



AN EVALUATION OF OCCUPATIONAL HEALTH & SAFETY TRAINING COMPONENTS OF SERVICE SKILLED TRADES TRAINING STANDARDS IN ONTARIO

**Canadian Institute for Safety,
Wellness, & Performance (CISWP)**

Please direct questions and reprint requests to:
Canadian Institute for Safety, Wellness, and Performance
25 Reuter Drive
Cambridge, Ontario N3E 1A9
info@ciswp.ca

© Canadian Institute for Safety, Wellness, and Performance, 2024

This document is licensed under a Creative Commons
Attribution-NonCommercial-NoDerivatives 4.0 International. To view a copy of this
license, visit <https://creativecommons.org/licenses/by-nc-nd/4.0/>

This means that this document can be used and shared if CISWP is credited as the source,
the contents are not modified, and the contents are used for non-commercial purposes. If
you wish to modify and/or use the contents for commercial purposes, please contact:

info@ciswp.ca



Disclaimer: This document is intended for informational purposes only. It is not intended to
serve as a substitute for professional advice. Any conclusions drawn from the information
contained in this document are the sole responsibility of the user. Users must also comply
with all relevant standards, legislation, and regulations applicable in their jurisdiction.

An Evaluation of Occupational Health & Safety Training Components of Service Skilled Trades Training Standards in Ontario

Kumar Somasundram, Marcus Yung, Amin Yazdani

ACKNOWLEDGEMENTS

This report is a part of a broader research initiative known as Skilled Trades Research, Innovation and Education in Occupational Safety and Health (STRIVE OSH) and it is made possible by the financial support of the Ministry of Labour, Immigration, Training, and Skills Development (MLITSD) of Ontario.

The Canadian Institute for Safety, Wellness, and Performance (CISWP) operates on the traditional territory of the Anishnaabe, Haudenosaunee, and Neutral people. This acknowledgement recognizes and honours the Indigenous people who – for thousands of years – have been living and working on the land upon which CISWP now resides.

The views expressed in this report do not necessarily reflect those of MLITSD or other institutions involved in this project.

EXECUTIVE SUMMARY

Objective

We reviewed and evaluated the occupational health and safety (OHS) training components of the curriculum and apprenticeship standards of service sector skilled trades in Ontario. A detailed gap analysis of OHS education was conducted by comparing the existing OHS training components with lagging indicators (Ontario's Workplace Safety and Insurance Board [WSIB] injury data), representing a novel approach to identify training gaps in OHS education. This research will inform Ontario's skilled trades industry, policy makers, and skilled trades training delivery agents of evidence-informed gaps in OHS training and may lead to the development of trade-specific OHS training, targeted to trade-specific workplace injuries, that can be integrated into current and future curricula standards or through experiential learning. This research also provides a framework for skilled trades training delivery agents to objectively evaluate and improve their curricula.

Background

More than 100,000 lost-time injury claims were reported in Ontario from 2015-2020 across the skilled trades; the service sector accounted for approximately 39% of these claims. Scientific peer-reviewed studies show that injury risk can be reduced by effectively educating workers on OHS. There is an emerging consensus on the importance of assessing OHS components in training standards so that workers receive adequate OHS education. To our knowledge, OHS components of skilled trades training standards have not been evaluated based on lagging indicator data (i.e., trade-specific injury data).

Methods

Through occupational classification code crosswalk linkages, we analyzed two sources of data: (1) Ontario Colleges of Trades (OCOT) apprenticeship and curriculum training standards and (2) WSIB injury claims data from 2015 to 2020. Training standards were retrieved from the OCOT website in June 2021. Since then, OCOT was replaced by Skilled Trades Ontario, a new crown agency. According to the new Skilled Trades Ontario website, documents, even if referring to the OCOT, continue to be relevant and accurate.

From the OCOT training standards we first systematically searched for OHS learning outcomes using a list of a priori subject matter expert-determined keywords. We then classified OHS learning outcomes into one or more of the researcher-identified OHS topics through content analysis. We determined the number of hours for each OHS topic (in curriculum standard) and the presence of each OHS topic (in apprenticeship standard) to estimate the extent of OHS training in each trade. Lastly, we trichotomized the number of hours of each OHS topic into low, medium, and high levels of dedicated training.

From the WSIB injury data, based on the Association of Workers' Compensation Boards of Canada's (AWCBC) coding manual and with the assistance from WSIB, we categorized 2015-2020 injury claims as MSD or non-MSD related. These categorizations were based on

unique combinations of source event description and nature of injury description. We then determined injury types of non-MSD related claims based on combinations of WSIB-based descriptors. For each NOC job code, we calculated the number and proportion of claims for each injury type. Lastly, we trichotomized the number of claims per injury type into low, medium, and high levels of reported injury claims.

The two sources of data were linked through crosswalking of Ontario-specific trade codes to 2016 NOC job codes, which were then later crosswalked to 1993 NOC codes and to WSIB classification unit codes. This allowed us to link our trade-specific OHS content analysis from the curricula standards to trade-specific injury data. From the linked data, we first identified the OHS topics that can help prevent each injury type, enabling us to associate OHS topic with injury type. Training gaps were identified through the trichotomized combinations of OHS topic hours and number of claims per injury type, all presented within trade-specific and overall skilled trades heat maps.

General Findings

Across all 31 service programs, there were gaps in one or more OHS topics. We found:

- OHS training in each curriculum standard accounted for up to 25% of total curriculum hours. The curriculum standard of each service skilled trades program focused primarily on either *hazard-general, housekeeping & cleanliness, legislation, lifting equipment, PPE, psychological, psychosocial, safe handling of equipment, safe handling of hazardous materials, and safe work processes*.
- Some of the OHS topics that appeared in the curriculum standard did not necessarily appear in the apprenticeship standard of the same trade, and vice versa.
- Most common injury types were *musculoskeletal disorders (MSD), struck by object, fall on same level, assaults and violent acts by person(s), and struck against object*.
- We observed significant training gaps in *ergonomics* and *housekeeping & cleanliness* in the majority of the service programs. Several trades also had considerable gaps in *hazard-slips, trips, falls, hazard-tools/machines, PPE, and safe handling of equipment*.
 - For these OHS topics, we found a disproportionate amount of dedicated training time (absent or low) with the number of linked injury claims (moderate to high).
- While the leading cause of lost time claims is related to musculoskeletal disorders (MSD), surprisingly there were almost no time dedicated to MSD prevention training.
- Mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment were absent in most training standards.

Recommendations

The outcomes of this research will help inform the service skilled trades industry of OHS training needs based on injury statistics. We recommend:

- Each service trade program should include adequate training for the OHS topics that have significant gaps, specifically *ergonomics; housekeeping & cleanliness; hazard-slips, trips, falls; hazard-tools/machines; PPE; and safe handling of equipment.*
vii
- OHS topics such as *confined space; lockout/tag out; lifting equipment; safe work processes; safe handling of hazardous materials; ladders, scaffolds, and platforms,* should be included in the trade programs if the topics are relevant based on task demands, exposures, risks, and requirements of the trade.
- Relevant OHS topics should be included in *both* curriculum and apprenticeship standards. By doing so, students can receive training both in classroom and at the workplace and apply knowledge and skills into practice (as a means to improve situational awareness).
- Service trade programs should include mental health training
 - Incorporate workplace violence prevention and de-escalation training as well as diversity and inclusion training
 - Create a culture that encourages workers to voluntarily discuss their mental health concerns with their supervisors

Limitations

- We estimated the number of hours of most learning outcomes based on the subject hours and number of OHS topics associated with the learning outcomes. Quantification of qualitative data is a significant obstacle and from our understanding, there is no standardized approach. Our calculations involve several assumptions, and its interpretation should be met with caution; however, with increasing availability of data, we can ascertain estimates with higher precision.
- WSIB injury data consists of only accepted lost-time claims; therefore, the total number of injuries for each injury type might be underestimated for each trade.
- There is a possibility that particular injury types (e.g., mental health) are disproportionately underestimated in the WSIB data, despite the scientific literature indicating higher rates (typically from self-report). Given this dichotomy, these injury types are susceptible to low reporting. Additionally, not all workplace injuries result in an injury claim, hence underestimating the number of WSIB injury claims.
- Results in this study may vary for other research groups depending on the list of OHS topics as well as the a priori linkages created by the researchers. In this study,

we discussed and reviewed the OHS topics and a priori linkages based on our expertise, until we reached a consensus.

Future Studies

We will evaluate the service curricula training gaps based on no-lost time injury claim data as accepted lost-time claims injury statistics represent the “tip of the iceberg” in the incidence of injury. No-lost-time claims account for the type of injuries where they may be less severe, where workers may continue or return to employment with job modifications and accommodations, and where workers may have a chronic work-related disease but have retired. We will also compare the existing OHS training components with other WSIB injury statistics metrics such as average cost of claims or number of days lost of the injury types to identify gaps in OHS education. We will also interpret the training gaps based on other combinations of training and injury claims (e.g., high training – low injury, high training – high injury). Training gaps will also be assessed based on the perspectives from training providers, instructors, apprentices and trainees, skilled trade organizations, and OHS professionals to provide a more thorough understanding on the OHS training gaps. We will also complement our current analysis with gaps between OHS training and leading indicator data (e.g., workplace hazards, exposures, demands, and risks).

Research Contribution

This research initiative can inform Ontario skilled trades training providers and policy makers of evidence-informed OHS training gaps in the service sector. This information may subsequently help guide the development of trade-specific OHS training that is relevant to workplace injuries experienced within a particular trade. This research also informs WSIB of our process for (a) linking data sources using job code crosswalk methods, and (b) classifying non-MSD claims into injury types based on combinations of WSIB-based descriptors. Our study framework can be adapted by skilled trades training providers to systematically evaluate curricula gaps.

DICTIONARY

Subject: An area of study in a curriculum training standard, and it consists of learning outcomes. The number of hours required for each subject are listed in the curriculum standards.

Skill set: An area of study in an apprenticeship training standard, and it consists of skills that students need to acquire during their apprenticeship.

Learning outcome: A statement that describes the knowledge/skill that a student will acquire in a subject, and it is listed under the subject of a curriculum standard.

Sub learning outcome: A statement that describes the knowledge/skill that a student will acquire in a subject, and it is listed under a learning outcome.

TABLE OF CONTENTS

ACKNOWLEDGEMENTS.....	iv
EXECUTIVE SUMMARY.....	v
DICTIONARY	ix
TABLE OF CONTENTS.....	x
1.0. INTRODUCTION.....	1
2.0. METHODS	4
2.1. OCOT apprenticeship and curriculum training standards.....	4
2.1.1. Systematic search of OHS learning outcomes and content analysis	4
2.1.2. Calculation of number of hours for each OHS topic in curriculum standards.....	8
2.1.3. Categorization of the number of OHS topic hours in curriculum standard	10
2.2. WSIB injury data.....	10
2.2.1. Determining the injury type of each claim	11
2.2.2. Calculation of the number of claims for each injury type	12
2.2.3. Categorization of the number of claims for each injury type	13
2.3. Linking sources of data through job code crosswalk	13
2.4. <i>A priori</i> linkages between OHS topics and WSIB injury types.....	14
2.5. OHS training gap analysis	15
2.5.1. Gap analysis in curriculum standard by OHS topic for each trade.....	15
2.5.2. Gap analysis in curriculum standard across all OHS topics for each trade	16
2.5.3. Gap analysis in apprenticeship standard by OHS topic for each trade	18
2.5.4. Gap analysis in apprenticeship standard across all OHS topics for each trade	18
3.0. Results: Sector analysis of all service trades	20
3.1. Number of hours for OHS topics in curriculum standards of 23 trades.....	20
3.2. Presence of OHS topics based on training standards	23
3.3. Gap analysis in curriculum standards of 20 trades	24
3.4. Gap analysis in apprenticeship standards of 31 trades	26
4.0. Results: Trade-specific analysis.....	28
4.1. Aboriginal Child Development Practitioner	28
4.1.1. Codes	28
4.1.2. Description.....	28
4.1.3. OHS training components in curriculum standard	28
4.1.4. OHS training components in apprenticeship standard	29
4.1.5. Injury statistics	29
4.1.6. Gap analysis in curriculum standard.....	29
4.1.7. Gap analysis in apprenticeship standard.....	30
4.1.8. Key takeaways	32

4.2. Agricultural - Dairy Herdsperson	33
4.2.1. Codes	33
4.2.2. Description	33
4.2.3. OHS training components in curriculum standard.....	33
4.2.4. OHS training components in apprenticeship standard.....	34
4.2.5. Injury statistics.....	34
4.2.6. Gap analysis in curriculum standard	35
4.2.7. Gap analysis in apprenticeship standard	36
4.2.8. Key takeaways.....	37
4.3. Agricultural - Fruit Grower.....	39
4.3.1. Codes.....	39
4.3.2. Description	39
4.3.3. OHS training components in curriculum standard.....	39
4.3.4. OHS training components in apprenticeship standard	39
4.3.5. Injury statistics.....	40
4.3.6. Gap analysis in curriculum standard	40
4.3.7. Gap analysis in apprenticeship standard	40
4.3.8. Key takeaways.....	42
4.4. Agricultural - Swine Herdsperson.....	43
4.4.1. Codes.....	43
4.4.2. Description	43
4.4.3. OHS training components in curriculum standard.....	43
4.4.4. OHS training components in apprenticeship standard	43
4.4.5. Injury statistics.....	44
4.4.6. Gap analysis in curriculum standard	44
4.4.7. Gap analysis in apprenticeship standard	44
4.4.8. Key takeaways	46
4.5. Appliance Service Technician	47
4.5.1. Codes.....	47
4.5.2. Description	47
4.5.3. OHS training components in curriculum standard.....	47
4.5.4. OHS training components in apprenticeship standard	48
4.5.5. Injury statistics.....	48
4.5.6. Gap analysis in curriculum standard	49
4.5.7. Gap analysis in apprenticeship standard	51
4.5.8. Key takeaways	53
4.6. Arborist.....	54

4.6.1. Codes.....	54
4.6.2. Description.....	54
4.6.3. OHS training components in curriculum standard	54
4.6.4. OHS training components in apprenticeship standard	55
4.6.5. Injury statistics	55
4.6.6. Gap analysis in curriculum standard.....	56
4.6.7. Gap analysis in apprenticeship standard	58
4.6.8. Key takeaways	60
4.7. Assistant Cook.....	61
4.7.1. Codes.....	61
4.7.2. Description	61
4.7.3. OHS training components in curriculum standard.....	61
4.7.4. OHS training components in apprenticeship standard	61
4.7.5. Injury statistics.....	62
4.7.6. Gap analysis in curriculum standard	62
4.7.7. Gap analysis in apprenticeship standard	65
4.7.8. Key takeaways.....	67
4.8. Baker.....	68
4.8.1. Codes.....	68
4.8.2. Description.....	68
4.8.3. OHS training components in curriculum standard	68
4.8.4. OHS training components in apprenticeship standard	68
4.8.5. Injury statistics	69
4.8.6. Gap analysis in curriculum standard.....	69
4.8.7. Gap analysis in apprenticeship standard	71
4.8.8. Key takeaways	73
4.9. Baker-Pâtissier.....	74
4.9.1. Codes.....	74
4.9.2. Description.....	74
4.9.3. OHS training components in curriculum standard	74
4.9.4. OHS training components in apprenticeship standard	74
4.9.5. Injury statistics	75
4.9.6. Gap analysis in curriculum standard	75
4.9.7. Gap analysis in apprenticeship standard	77
4.9.8. Key takeaways	79
4.10. Bicycle Mechanic	80
4.10.1. Codes	80

4.10.2. Description	80
4.10.3. OHS training components in curriculum standard	80
4.10.4. OHS training components in apprenticeship standard.....	80
4.10.5. Injury statistics	80
4.10.6. Gap analysis in curriculum standard.....	81
4.10.7. Gap analysis in apprenticeship standard.....	81
4.10.8. Key takeaway	81
4.11. Chef	82
4.11.1. Codes	82
4.11.2. Description	82
4.11.3. OHS training components in curriculum standard	82
4.11.4. OHS training components in apprenticeship standard.....	82
4.11.5. Injury statistics	83
4.11.6. Gap analysis in curriculum standard.....	83
4.11.7. Gap analysis in apprenticeship standard.....	85
4.11.8. Key takeaways.....	87
4.12. Child and Youth Worker	88
4.12.1. Codes.....	88
4.12.2. Description.....	88
4.12.3. OHS training components in curriculum standard	88
4.12.4. OHS training components in apprenticeship standard	88
4.12.5. Injury statistics	89
4.12.6. Gap analysis in curriculum standard	89
4.12.7. Gap analysis in apprenticeship standard	92
4.12.8. Key takeaways	94
4.13. Child Development Practitioner	95
4.13.1. Codes.....	95
4.13.2. Description.....	95
4.13.3. OHS training components in curriculum standard	95
4.13.4. OHS training components in apprenticeship standard	95
4.13.5. Injury statistics	96
4.13.6. Gap analysis in curriculum standard	96
4.13.7. Gap analysis in apprenticeship standard	99
4.13.8. Key takeaways	101
4.14. Child Development Practitioner - Inclusion Practices	102
4.14.1. Codes.....	102
4.14.2. Description.....	102

4.14.3. OHS training components in curriculum standard	102
4.14.4. OHS training components in apprenticeship standard	102
4.14.5. Injury statistics	102
4.14.6. Gap analysis in curriculum standard.....	103
4.14.7. Gap analysis in apprenticeship standard	103
4.14.8. Key takeaway.....	103
4.15. Cook	104
4.15.1. Codes.....	104
4.15.2. Description.....	104
4.15.3. OHS training components in curriculum standard	104
4.15.4. OHS training components in apprenticeship standard	104
4.15.5. Injury statistics	105
4.15.6. Gap analysis in curriculum standard.....	105
4.15.7. Gap analysis in apprenticeship standard	108
4.15.8. Key takeaways	110
4.16. Developmental Services Worker.....	111
4.16.1. Codes	111
4.16.2. Description	111
4.16.3. OHS training components in curriculum standard	111
4.16.4. OHS training components in apprenticeship standard.....	111
4.16.5. Injury statistics	112
4.16.6. Gap analysis in curriculum standard.....	112
4.16.7. Gap analysis in apprenticeship standard.....	115
4.16.8. Key takeaways.....	117
4.17. Educational Assistant	118
4.17.1. Codes.....	118
4.17.2. Description.....	118
4.17.3. OHS training components in curriculum standard	118
4.17.4. OHS training components in apprenticeship standard	118
4.17.5. Injury statistics	119
4.17.6. Gap analysis in curriculum standard.....	119
4.17.7. Gap analysis in apprenticeship standard	122
4.17.8. Key takeaways	124
4.18. Electronic Service Technician.....	125
4.18.1. Codes	125
4.18.2. Description	125
4.18.3. OHS training components in curriculum standard	

4.18.4. OHS training components in apprenticeship standard	125
4.18.5. Injury statistics	125
4.18.6. Gap analysis in curriculum standard.....	126
4.18.7. Gap analysis in apprenticeship standard.....	126
4.18.8. Key takeaway.....	126
4.19. Gemsetter/Goldsmith.....	127
4.19.1. Codes	127
4.19.2. Description.....	127
4.19.3. OHS training components in curriculum standard	127
4.19.4. OHS training components in apprenticeship standard	127
4.19.5. Injury statistics	128
4.19.6. Gap analysis in curriculum standard.....	128
4.19.7. Gap analysis in apprenticeship standard.....	128
4.19.8. Key takeaways.....	129
4.20. Hairstylist	131
4.20.1. Codes.....	131
4.20.2. Description.....	131
4.20.3. OHS training components in curriculum standard	131
4.20.4. OHS training components in apprenticeship standard	131
4.20.5. Injury statistics	132
4.20.6. Gap analysis in curriculum standard	132
4.20.7. Gap analysis in apprenticeship standard	134
4.20.8. Key takeaways	135
4.21. Hardware, Lumber and Building Materials Retailer	137
4.21.1. Codes.....	137
4.21.2. Description.....	137
4.21.3. OHS training components in curriculum standard	137
4.21.4. OHS training components in apprenticeship standard	137
4.21.5. Injury statistics	137
4.21.6. Gap analysis in curriculum standard	138
4.21.7. Gap analysis in apprenticeship standard	138
4.21.8. Key takeaway.....	138
4.22. Horse Groom	139
4.22.1. Codes	139
4.22.2. Description	139
4.22.3. OHS training components in curriculum standard	139
4.22.4. OHS training components in apprenticeship standard.....	139

4.22.5. Injury statistics	140
4.22.6. Gap analysis in curriculum standard.....	140
4.22.7. Gap analysis in apprenticeship standard.....	140
4.22.8. Key takeaways.....	142
4.23. Horse Harness Maker	143
4.23.1. Codes	143
4.23.2. Description	143
4.23.3. OHS training components in curriculum standard	143
4.23.4. OHS training components in apprenticeship standard.....	143
4.23.5. Injury statistics.....	144
4.23.6. Gap analysis in curriculum standard	144
4.23.7. Gap analysis in apprenticeship standard.....	144
4.23.8. Key takeaways.....	146
4.24. Horticultural Technician	147
4.24.1. Codes	147
4.24.2. Description	147
4.24.3. OHS training components in curriculum standard	147
4.24.4. OHS training components in apprenticeship standard.....	147
4.24.5. Injury statistics.....	148
4.24.6. Gap analysis in curriculum standard	148
4.24.7. Gap analysis in apprenticeship standard.....	150
4.24.8. Key takeaways.....	152
4.25. Institutional Cook.....	153
4.25.1. Codes	153
4.25.2. Description	153
4.25.3. OHS training components in curriculum standard	153
4.25.4. OHS training components in apprenticeship standard.....	154
4.25.5. Injury statistics.....	154
4.25.6. Gap analysis in curriculum standard	155
4.25.7. Gap analysis in apprenticeship standard.....	157
4.25.8. Key takeaways.....	159
4.26. IT - Contact Centre Customer Service Agent.....	160
4.26.1. Codes.....	160
4.26.2. Description.....	160
4.26.3. OHS training components in curriculum standard.....	160
4.26.4. OHS training components in apprenticeship standard	160
4.26.5. Injury statistics.....	161

4.26.6. Gap analysis in curriculum standard	161
4.26.7. Gap analysis in apprenticeship standard	163
4.26.8. Key takeaways	165
4.27. IT - Contact Centre Sales Agent	166
4.27.1. Codes	166
4.27.2. Description	166
4.27.3. OHS training components in curriculum standard	166
4.27.4. OHS training components in apprenticeship standard.....	166
4.27.5. Injury statistics.....	167
4.27.6. Gap analysis in curriculum standard	167
4.27.7. Gap analysis in apprenticeship standard.....	169
4.27.8. Key takeaways.....	171
4.28. IT - Contact Centre Technical Support Agent.....	172
4.28.1. Codes.....	172
4.28.2. Description.....	172
4.28.3. OHS training components in curriculum standard.....	172
4.28.4. OHS training components in apprenticeship standard	172
4.28.5. Injury statistics.....	173
4.28.6. Gap analysis in curriculum standard	173
4.28.7. Gap analysis in apprenticeship standard	173
4.28.8. Key takeaways	173
4.29. IT - Hardware Technician.....	174
4.29.1. Codes.....	174
4.29.2. Description	174
4.29.3. OHS training components in curriculum standard.....	174
4.29.4. OHS training components in apprenticeship standard	174
4.29.5. Injury statistics.....	175
4.29.6. Gap analysis in curriculum standard	175
4.29.7. Gap analysis in apprenticeship standard	175
4.29.8. Key takeaways	176
4.30. IT - Network Technician.....	177
4.30.1. Codes.....	177
4.30.2. Description.....	177
4.30.3. OHS training components in curriculum standard	177
4.30.4. OHS training components in apprenticeship standard	178
4.30.5. Injury statistics	178
4.30.6. Gap analysis in curriculum standard	178

4.30.7. Gap analysis in apprenticeship standard	178
4.30.8. Key takeaways	178
4.31. Micro Electronics Manufacturer	180
4.31.1. Codes.....	180
4.31.2. Description.....	180
4.31.3. OHS training components in curriculum standard	180
4.31.4. OHS training components in apprenticeship standard	180
4.31.5. Injury statistics	181
4.31.6. Gap analysis in curriculum standard	181
4.31.7. Gap analysis in apprenticeship standard	181
4.31.8. Key takeaways	183
4.32. Native Clothing and Crafts Artisan.....	184
4.32.1. Codes	184
4.32.2. Description	184
4.32.3. OHS training components in curriculum standard	184
4.32.4. OHS training components in apprenticeship standard.....	184
4.32.5. Injury statistics.....	185
4.32.6. Gap analysis in curriculum standard	185
4.32.7. Gap analysis in apprenticeship standard.....	185
4.32.8. Key takeaways.....	186
4.33. Network Cabling Specialist	188
4.33.1. Codes	188
4.33.2. Description	188
4.33.3. OHS training components in curriculum standard	188
4.33.4. OHS training components in apprenticeship standard.....	189
4.33.5. Injury statistics.....	189
4.33.6. Gap analysis in curriculum standard	190
4.33.7. Gap analysis in apprenticeship standard	192
4.33.8. Key takeaways.....	194
4.34. Parts Technician.....	195
4.34.1. Codes.....	195
4.34.2. Description	195
4.34.3. OHS training components in curriculum standard.....	195
4.34.4. OHS training components in apprenticeship standard.....	195
4.34.5. Injury statistics.....	196
4.34.6. Gap analysis in curriculum standard	197
4.34.7. Gap analysis in apprenticeship standard	199

4.34.8. Key takeaways.....	201
4.35. Pool, Hot Tub and Spa – Installer	202
4.35.1. Codes.....	202
4.35.2. Description	202
4.35.3. OHS training components in curriculum standard.....	202
4.35.4. OHS training components in apprenticeship standard.....	202
4.35.5. Injury statistics.....	202
4.35.6. Gap analysis in curriculum standard	203
4.35.7. Gap analysis in apprenticeship standard	203
4.35.8. Key takeaways.....	203
4.36. Pool, Hot Tub and Spa - Service Technician.....	204
4.36.1. Codes.....	204
4.36.2. Description.....	204
4.36.3. OHS training components in curriculum standard	204
4.36.4. OHS training components in apprenticeship standard	204
4.36.5. Injury statistics	204
4.36.6. Gap analysis in curriculum standard	205
4.36.7. Gap analysis in apprenticeship standard	205
4.36.8. Key takeaways	205
4.37. Retail Meat Cutter.....	206
4.37.1. Codes	206
4.37.2. Description	206
4.37.3. OHS training components in curriculum standard	206
4.37.4. OHS training components in apprenticeship standard.....	206
4.37.5. Injury statistics.....	207
4.37.6. Gap analysis in curriculum standard	207
4.37.7. Gap analysis in apprenticeship standard	207
4.37.8. Key takeaways.....	209
4.38. Saddlery	210
4.38.1. Codes.....	210
4.38.2. Description.....	210
4.38.3. OHS training components in curriculum standard.....	210
4.38.4. OHS training components in apprenticeship standard	210
4.38.5. Injury statistics.....	211
4.38.6. Gap analysis in curriculum standard	211
4.38.7. Gap analysis in apprenticeship standard	211
4.38.8. Key takeaways	212

4.39. Special Events Coordinator	214
4.39.1. Codes.....	214
4.39.2. Description.....	214
4.39.3. OHS training components in curriculum standard.....	214
4.39.4. OHS training components in apprenticeship standard	214
4.39.5. Injury statistics.....	215
4.39.6. Gap analysis in curriculum standard	215
4.39.7. Gap analysis in apprenticeship standard	215
4.39.8. Key takeaways	216
4.40. Utility Arborist.....	218
4.40.1. Codes.....	218
4.40.2. Description.....	218
4.40.3. OHS training components in curriculum standard	218
4.40.4. OHS training components in apprenticeship standard	218
4.40.5. Injury statistics	219
4.40.6. Gap analysis in curriculum standard.....	220
4.40.7. Gap analysis in apprenticeship standard	222
4.40.8. Key takeaways	224
5.0. OVERALL DISCUSSION	225
REFERENCES	231
APPENDIX	239
Appendix A: List of abbreviations	239

1.0. INTRODUCTION

Mismatches between job demands and worker capabilities (including skill, aptitude, knowledge, etc.) have detrimental effects on workers, organizations, and our society. Job demand and worker capability mismatches may decrease work productivity as well as quality of products or services (Kolus et al. 2018). A mismatch between job demands and worker capability may also increase the risk of developing occupational injuries such as slips, trips, and falls as well as musculoskeletal disorders. According to the Workplace Safety and Insurance Board (WSIB) injury statistics, more than 100,000 lost-time injury claims were reported in Ontario from 2015-2020 across the skilled trades; the service sector accounted for approximately 39% (WSIB, 2022a, 2022b). The most common types of injuries in the service sector are sprains, strains, and tears (~39%); bruises and contusions (~10%); concussions (~8%); cuts and lacerations (~8%); and fractures (~6%) (WSIB, 2022b).

The growing skilled trades labour shortage has only heightened the importance of ensuring workers meet the demands of their jobs and keeping them working longer and healthier. BuildForce Canada (2021) indicates that 92,500 construction workers (21% of the current labour force) in Ontario are expected to retire over the next decade. To replace the retiring workers and to keep pace with expected demand growth, the industry will need at least 116,200 new workers over the next 10 years (BuildForce Canada, 2021). There are two fundamental components that may address the current and emerging labour shortage: (1) recruiting highly qualified and capable workers into the skilled trades sector, and (2) retaining workers and ensuring they remain safe and productive. Workers who are less qualified may not be able to adequately fulfill the job requirements. There are signs that skilled trades employers have resorted to hiring less qualified workers. For example, a survey of 308 construction contractors in Ontario showed that 70% of the contractors resorted to using less qualified labour due to the current skilled labour shortage (Ontario Construction Secretariat, 2019). Furthermore, workers are less likely to remain at the job and exit early from the labour market due to injury and work disability. It has been estimated that the mean annual rate of pre-mature retirement, due to work injury, is 5.3 for every 1000 skilled trades worker in construction (Brenner & Ahern, 2000).

Occupational health and safety (OHS) training can help enhance workers' skills and knowledge; and for most workers, OHS training is exclusively received during their postsecondary education (Bush et al., 2019; Schulte et al., 2005). There is an emerging

evidence that occupational injuries can be prevented by educating workers and trainees on OHS skills (Bush et al., 2013; Laberge et al., 2014; Boini et al., 2017). A 2-year prospective cohort study discovered that apprentices and students who received formal OHS education had two times fewer occupational injuries than those who did not (Boini et al., 2017).

Integrating OHS education into training programs can help reduce the risk of occupational injuries in the workforce, especially for younger workers, who face a higher risk of injuries than their older counterparts (Breslin & Smith, 2005; Boini et al., 2017; Okun et al., 2016; Schulte et al., 2005). The higher risk of injuries in younger workers could be partially due to their lack of OHS training (Breslin & Smith, 2005; Hanvold et al., 2019) and greater exposure to hazardous tasks (Breslin & Smith, 2005; Hanvold et al., 2019, Salminen, 2004). As part of OHS training, exposing apprentices and trainees to OHS technologies (e.g., assistive devices) and tools may also improve their intention to use in their future careers (Elprama et al., 2020). Ultimately, OHS education may help enhance job knowledge, promote safer behaviours, and improve worker competence (Schulte et al., 2005; Okun et al., 2016). Therefore, it is important to ensure that apprentices and students are not only adequately equipped with essential OHS skills (Schulte et al., 2005; Okun et al., 2016; Bush et al., 2019) but are trained with the essential OHS skills *specific* to their trade or job.

By assessing the OHS components in training standards, we can identify the relevance and extent of OHS training and develop recommendations to improve OHS education in skilled trades programs. Very few studies have examined the OHS content within training programs. For example, Schulte and colleagues (2005) reviewed the legislation associated with several workforce preparation programs (e.g., vocational, technical, and career education; career clusters; national skill standards; school-to-work programs; Workforce Investment Act programs; and apprentice programs) in the United States; the authors found insufficient quantitative information on the extent of OHS training across the programs. Bush and colleagues (2019) created recommendations for essential OHS competencies for postsecondary construction programs based on (a) an environmental scan of OHS competencies accessed from education agencies, union apprenticeship programs, trade organizations, and occupational health agencies; (b) subject matter expert focus groups; and (c) discussion with OHS professionals and instructors. To our knowledge, there are no studies that systematically evaluated the OHS training components of skilled trades training standards in Canada. Additionally, there are no studies

that evaluated OHS training against a benchmark consisting of trade-specific quantitative lagging indicator data (i.e., workplace injury statistics).

The objective of this study is to review and evaluate the OHS training components of the curriculum and apprenticeship standards of service skilled trades in Ontario. This study is part of our ongoing Skilled-Trade Research, Innovation and Education in Occupational Health and Safety (STRIVE OHS) projects to address the OHS-related challenges faced by the skilled trades industry. In this study, we conducted a detailed gap analysis of OHS education by comparing the existing OHS training components with lagging indicators (WSIB injury data). The gap analysis can (a) inform policymakers on the areas of improvement in OHS education, (b) help employers identify any additional OHS training that their workers need to receive, and (c) serve as a framework for skilled trades training providers to systematically evaluate and improve their own curricula.

2.0. METHODS

Our systematic approach (Figure 2.1) brings together two sources of data: (1) OCOT apprenticeship and curriculum standards and (2) WSIB injury claim data from 2015 to 2020.

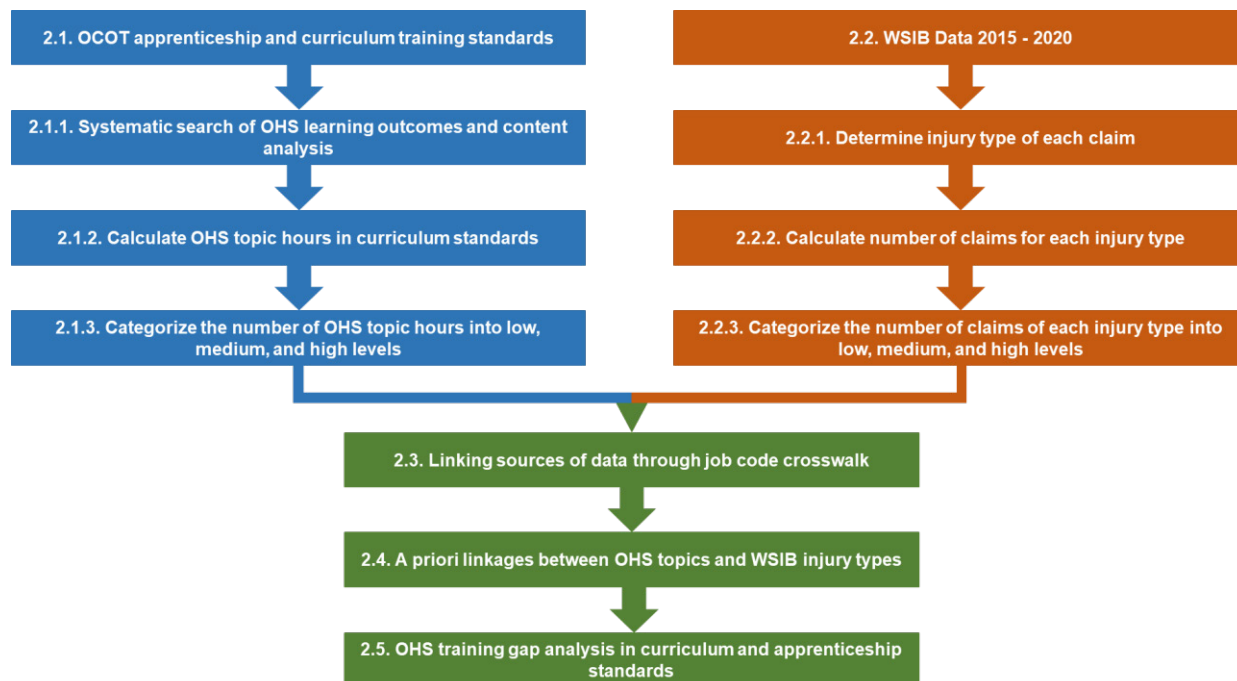


Figure 2.1: Flowchart of methodology for analyzing the gaps in OHS training.

2.1. OCOT apprenticeship and curriculum training standards

Our evaluation of training standards consists of: (1) a systematic search of OHS learning outcomes using *a priori* determined OHS keywords and content analysis; (2) calculation of number of hours for each OHS topic in curriculum standards; and (3) categorization of OHS topic hours into low, medium, and high levels of dedicated training.

2.1.1. Systematic search of OHS learning outcomes and content analysis

Apprenticeship and curriculum training standards of service trades were retrieved from Ontario College of Trades in June 2021. Since then, the Ontario College of Trades was replaced by Skilled Trades Ontario, a new crown agency. According to the new Skilled Trades Ontario website, documents, even if referring to the Ontario College of Trades,

continue to be relevant and accurate. Skilled Trades Ontario recognizes 35 trades in the service sector. Of the 35 trades, 23 include both curriculum and apprenticeship standards, 11 include only apprenticeship standards, and one does not include any training standards. There are five service trades not listed on the Skilled Trades Ontario website; therefore, the trades do not include any training standards.

We conducted a systematic search for OHS learning outcomes. First, we conducted an initial program assessment to identify a list of keywords to aid our search of OHS learning outcomes across all programs. We assessed each learning outcome in one program's apprenticeship and curriculum standards and selected the learning outcomes related to OHS. After reviewing the program-identified keywords, we identified additional keywords that may have been absent from our initial program assessment. Our final list of 15 keywords were used to code the OHS learning outcomes (Table 2.1).

Table 2.1. List of keywords used to search for and code the OHS learning outcomes in training standards.

Keywords		
Ergonomic*	Injury*	PPE
Fire	Lifting	Protective equipment
Hazard*	Lighting	Safe*
Health	Manual material handling	Temperature
Hygiene	Noise	Vibration

*Denotes terms that were searched using all possible suffixes.

After retrieving the learning outcomes based on keywords, we screened them based on their relevancy to OHS. For example, one of the learning outcomes in the curriculum standard of *Electrician – Construction and Maintenance* is “Describe the theory of operation, applications and installation methods of thermocouples as temperature sensors”. Although the learning outcome includes one of the keywords (e.g., temperature), we excluded it from our analysis because it was not relevant to OHS.

We conducted a content analysis to classify OHS learning outcomes into appropriate OHS topics. Content analysis is a systematic method used to compress large amounts of text into a few content categories by applying explicit rules of coding (Stemler, 2001). We used an emergent coding approach (Stemler and Bebell, 1999; Stemler, 2001; Stemler 2015), in which we first created a preliminary list of OHS topics based on the OHS learning outcomes extracted from the training standards of four trades (i.e., *Automotive Service*

Technician, Brick and Stone Mason, Hairstylist, and Industrial Electrician) which were randomly selected to represent each of the four skilled trade sectors (i.e., motive power, construction, service, and industrial). When necessary, we then identified additional OHS topics to better classify the OHS learning outcomes of all trade programs. After finalizing the list of OHS topics, each OHS learning outcome was classified into one or more of the 27 a priori defined topics (Table 2.2).

Table 2.2. List of OHS topics and definition.

OHS Topic	Definition
Communication	Report incidents or hazards to supervisors, complete reports, and maintain adequate communication during work
Confined space	Demonstrate safe work practices when working in confined space
Emergency preparedness	Identify fire extinguisher locations and procedures, as well as rescue and evacuation procedures
Ergonomics	Maintain ergonomic body posture and understand safe physical limits when performing tasks
Hazard-Biological	Identify or reduce/eliminate biological hazards
Hazard-Chemical	Identify or reduce/eliminate chemical hazards
Hazard-Electrical	Identify or reduce/eliminate electrical hazards
Hazard-Fire	Identify or reduce/eliminate fire hazards
Hazard-Light	Identify or reduce/eliminate hazards associated with light
Hazard-Noise	Identify or reduce/eliminate hazards associated with noise
Hazard-Pressure	Identify or reduce/eliminate hazards associated with pressure
Hazard-Radiation	Identify or reduce/eliminate hazards associated with radiation
Hazard-Slips, trips, falls	Identify or reduce/eliminate hazards associated with slips, trips, and falls

Hazard-Temperature	Identify or reduce/eliminate hazards associated with temperature
Hazard-Tools/machines	Identify or reduce/eliminate hazards associated with the use of tools or machines
Hazard-Ventilation	Identify or reduce/eliminate hazards associated with ventilation
Hazard-Vibration	Identify or reduce/eliminate hazards associated with vibration
Hazard-General	Identify or reduce/eliminate other types of hazards such as environmental hazards
Housekeeping & cleanliness	Clean work areas, remove obstructions or obstacles, demonstrate personal hygiene, store materials, and dispose or recycle materials
Ladders, scaffolds, platforms	Demonstrate safe use and safe work practices involving ladders, scaffolds, and platforms
Legislation	Read, interpret, and comply with acts, guidelines, regulations, codes, and standards
Lifting equipment	Demonstrate safe use and safe work practices involving lifting, hoisting, rigging, or material handling equipment and relevant components
Lockout/tag out	Demonstrate lockout or tag out procedures
PPE	Identify and demonstrate safe use of personal protective equipment
Safe handling of equipment	Demonstrate safe operation, maintenance, and storage of tools and machines
Safe handling of hazardous materials	Demonstrate safe use, storage, and disposal of hazardous materials or designated substances
Safe work processes	Identify and demonstrate safe work procedures of tasks involved in trade

2.1.2. Calculation of number of hours for each OHS topic in curriculum standards

We extracted the number of hours of each subject in the curriculum standards. Each subject in a curriculum standard consists of learning outcomes (i.e., statements that describe the knowledge/skill that students will acquire in a subject). We also extracted the number of hours of each learning outcome, which were available in several curriculum standards.

To determine the extent of OHS training in the curriculum standards, we estimated the number of hours of each OHS topic. First, we obtained the number of hours of a learning outcome by either (a) dividing the number of hours of a subject by the number of learning outcomes in that subject, or (b) retrieving it directly from the curriculum standard, if available. Second, if there are sub learning outcomes (i.e., a statement that describes the knowledge/skill that students will acquire in a subject, and it is listed under a learning outcome), we determined their number of hours by dividing the number of hours of learning outcome by the number of sub learning outcomes. Third, we divided the number of hours of a learning outcome (or sub learning outcome) by the number of OHS topics it was classified into. Equations 1 and 2 were used to estimate the number of hours of a learning outcome and sub learning outcome, respectively.

Number of hours of a learning outcome

$$= \frac{\left(\frac{\text{Number of hours of subject}}{\text{Number of learning outcomes in subject}} \right)}{\text{Number of OHS topics linked to learning outcome}} \quad (1)$$

Number of hours of a sub learning outcome

$$= \frac{\left[\left(\frac{\text{Number of hours of subject}}{\text{Number of learning outcomes in subject}} \right) \right]}{\text{Number of sub learning outcomes}} \times \text{Number of OHS topics linked to sub learning outcome} \quad (2)$$

Finally, we determined the number of hours of an OHS topic, as a percentage of total OHS training, by calculating the sum of hours of all learning outcomes (and sub learning outcomes) within the OHS topic, as a percentage of the total OHS training hours in the curriculum standard (Equation 3).

OHS topic hours (% of total OHS training)

$$= \frac{\Sigma \text{ Number of hours of all learning outcomes in OHS topic}}{\text{Total OHS training hours in curriculum standard}} \times 100\% \quad (3)$$

Example: Calculating the Number of Hours of a Learning Outcome

Health and Safety is one of the subjects in the curriculum standard of *Terrazzo, Tile and Marble Setter*. It consists of 8 hours of training and 13 learning outcomes. One of the OHS learning outcomes in this subject is “*Apply fire safety practices in the workplace: select appropriate fire extinguishers for class A, B, C, and D fires, activate alarms, and communicate the danger to others*”. The learning outcome can be classified into two OHS topics: *emergency preparedness* and *communication*. Therefore, based on Equation 1, the number of hours of this learning outcome is 0.31 (i.e., $\frac{8}{13}$) in ² each of the two OHS topics.

Apprenticeship standards consist of skill sets (i.e., a set of skills that trainees need to acquire during their apprenticeship). The number of hours of skill sets were not available in

the apprenticeship standards; therefore, we could not quantify the OHS topic hours. We only indicated the presence of OHS topic for each trade.

2.1.3. Categorization of the number of OHS topic hours in curriculum standard

The number of hours for each OHS topic found within a curriculum standard were trichotomized into *low*, *medium*, or *high* levels for each trade. This trichotomization allowed us to identify gaps by comparing between levels of OHS training hours and injury data and compare gaps between trades. The thresholds of each category were defined relative to the OHS topic with the greatest number of dedicated training hours (see example below). OHS topics that were not identified in the curriculum standard of a trade were categorized as *none*.

Example: Categorizing the Number of Hours of OHS topics into Low, Medium, and High Levels

Three OHS topics were identified in the curriculum standard of a trade. The number of hours of each OHS topic are presented as a percentage of total OHS training of the trade:

- Ergonomics : 30% of total OHS training hours
- Safe handling of equipment : 10% of total OHS training hours
- Housekeeping & cleanliness : 60% of total OHS training hours

Out of the 3 topics, housekeeping & cleanliness has the highest number of hours (i.e., 60% of total OHS training); therefore, the thresholds for low, medium, and high categories are defined relative to 60%:

- Low : > 0% to < 20% of total OHS training
- Medium: ≥ 20% to < 40% of total OHS training
- High : ≥ 40% to ≤ 60% of total OHS training

Hence, the number of hours for *ergonomics*, *safe handling of equipment*, and *housekeeping & cleanliness* would be categorized as *medium*, *low*, and *high*, respectively.

- Ergonomics: $20\% \leq 30\% < 40\%$ of total OHS training (**medium**)
- Safe handling of equipment: $0\% < 10\% < 20\%$ of total OHS training (**low**)
- Housekeeping & cleanliness: $40\% \leq 60\% \leq 60\%$ of total OHS training (**high**)

2.2. WSIB injury data

We analyzed WSIB lost-time injury claims data between 2015 and 2020 for 144 skilled trades. Each claim in the dataset is described by several types of information, such as Event Category (i.e., general event resulting in the injury; e.g., *Bodily reaction*), Event Description (i.e., specific event resulting in the injury; e.g., *Slipping on something without fall*), Nature of Injury Description (i.e., physical characteristic of the injury; e.g., *Cuts and lacerations*).

Our evaluation of WSIB lost-time injury consists of: (1) determining the injury type of each lost-time claim; (2) calculation of number of claims for each injury type, reported as a % of total claims per job code; and (3) categorization by trichotomizing into low, medium, high number of claims per injury type, relative to the highest claimed injury type.

2.2.1. Determining the injury type of each claim

Claims are classified as *MSD*-related based on the specified injury (Nature of Injury Description) and the causation of injury by a specific event or exposure (Event Description) (McInnes & Sagmeister, 2019). With assistance from WSIB, we classified all injury data as MSD and Non-MSD related. Non-MSD claims were further categorized into *injury types* based on the combination of WSIB-based descriptors described in the AWCBC's MSD Coding Harmonization document (McInnes & Sagmeister, n.d.). We labelled each non-MSD claim using the Event Category and if applicable, the Event Description and Nature of Injury Description of the claim. If the Event Category was used to describe either MSD or non-MSD claims, we included both the Event Category and the Event Description of the claim when naming the injury type. However, if the Event Description was used to also describe either MSD or non-MSD claims, we included the Event Category, Event Description, and the Nature of Injury Description of the claim when determining the injury type. These additional levels of information allowed us to a priori link the non-MSD injury type to appropriate OHS topics (a priori linkages between injury types and OHS topics will be elaborated in Section 2.4). We provided three examples below to explain how we determined the injury types for non-MSD claims.

Injury type of a non-MSD claim: Example 1

Event Category: *Fall to lower level*

Event Description: *Bending, climbing, crawling, reaching, twisting*

Nature of Injury Description: *Fractures*

Fall to lower level is an Event Category that is used for describing only non-MSD claims. Hence, we included only the Event Category when naming the injury type.

The injury type for this claim is ***Fall to lower level***.

Injury type of a non-MSD claim: Example 2

Event Category: *Bodily reaction*

Event Description: *Slipping on something without fall*

Nature of Injury Description: *Cuts and lacerations*

Bodily reaction is an Event Category that is used for describing either MSD or non-MSD claims. *Slipping on something without fall* is an Event Description used for describing only non-MSD claims. Hence, we included both the Event Category and Event Description when naming the injury type.

The injury type of this claim is ***Bodily reaction---Slipping on something without fall***.

Injury type of a non-MSD claim: Example 3

Event Category: *Bodily reaction*

Event Description: *Bending, climbing, crawling, reaching, twisting*

Nature of Injury Description: *Fractures*

Bodily reaction is an Event Category that is used for describing either MSD or non-MSD claims. *Bending, climbing, crawling, reaching, twisting* is an Event Description used for describing either MSD or non-MSD claims. Hence, we included the Event Category, Event Description, and Nature of Injury Description when naming the injury type.

The injury type for this claim is ***Bodily reaction---Bending, climbing, crawling, reaching, twisting---Fractures***.

2.2.2. Calculation of the number of claims for each injury type

We calculated the number of claims of each injury type per NOC 2016 job code, as a percentage of total claims for that NOC code. We assumed that the underlying trades within each NOC code would have equal number of claims as the NOC code.

2.2.3. Categorization of the number of claims for each injury type

The number of claims per injury type were trichotomized into *low*, *medium*, or *high* levels for each trade. In an identical process to categorizing OHS topics (Section 2.1.3), the thresholds of each category were defined relative to the leading injury type for a particular trade. Our trichotomization process allowed us to identify gaps by comparing between levels of OHS training hours and injury data and compare gaps between trades. An example of this process is presented below.

Example: Categorizing the number of claims for injury types

Three injury types were reported for a trade, and the number of claims for each injury type are presented as a percentage of total claims for the trade:

- MSD : 60% of total claims
- Fall to lower level : 10% of total claims
- Struck by object : 30% of total claims

The leading injury type is MSD (i.e., 60% of total claims); therefore, the thresholds for low, medium, and high categories are defined relative to 60%:

- Low : > 0% to < 20% of total claims
- Medium: $\geq 20\%$ to < 40% of total claims
- High : $\geq 40\%$ to $\leq 60\%$ of total claims

Hence, the number of claims for *MSD*, *fall to lower level*, and *struck by object* would be categorized as *high*, *low*, and *medium*, respectively.

- MSD: $40\% \leq 60\% \leq 60\%$ of total claims (**high**)
- Fall to lower level: $0\% < 10\% < 20\%$ of total claims (**low**)
- Struck by object: $20\% \leq 30\% < 40\%$ of total claims (**medium**)

2.3. Linking sources of data through job code crosswalk

We integrated data sources using an extensive job code crosswalk method. We first identified the Ontario-specific trade codes using the [Ontario College of Trades](#) (and subsequently Skilled Trades Ontario) website. For each job code, we created a crosswalk to manually link Ontario-specific trade codes to National Occupational Classification (NOC) 2016 job codes. This process was informed by the [Ontario MLITSD website](#), which provides a link to respective job profiles. From these profiles, we attained NOC 2016 codes, job

descriptions, and common job titles. To ensure our database will be consistent with future job code crosswalk and other existing sources of data, we linked 2016 NOC codes to [2021 NOC codes](#). NOC 2016 job codes were then linked to Classification of Instructional Program (CIP) codes, through a manual crosswalk, informed by [Statistics Canada](#). For this manual crosswalk, we reviewed each code and confirmed linkages based on job title(s) and job description. We used existing auto-coding system tools ([CAPS-Canada](#), [NOC-O*NET crosswalk](#)) to crosswalk NOC and Standard Occupational Classification (SOC) job codes. Many job codes provided one-to-one matches between NOC and SOC, however, many codes led to one-to-multiple matches. Therefore, we reviewed each code and selected or confirmed linkages based on job titles(s) and job descriptions. All codes that were not successfully grouped via crosswalks were grouped manually based on consensus opinions from the research team, informed by job title(s) and job descriptions. With assistance from WSIB, we crosswalked our NOC 2016 job codes to their injury statistics. Prior to 2020, WSIB classified their injury statistics using classification units (CU). Subsequent to 2020, WSIB implemented a NAICS-based classification system. For the purpose of this research, WSIB assisted in linking 1993 NOC job codes to their service-based codes, informed by job titles and descriptions. We subsequently crosswalked their NOC 1993 injury statistics to our NOC 2016 data.

2.4. *A priori* linkages between OHS topics and WSIB injury types

We made a priori links between OHS topics and injury types for each NOC 2016 job code. To determine these links, we identified OHS topics associated with each injury type for each NOC code. Our decisions were informed by the definition of the Event Category found within the [Coding of Work Injury or Disease Information document](#) (CSA Z795-03 [R2013]) (Canadian Standards Association, 2003), and if applicable, the Event Description and Nature of Injury Description of the injury type. For example, *fall to lower level* is an injury type reported for many trades. We linked this injury type to *hazard-slips, trips, falls; housekeeping & cleanliness; and ladders, scaffolds, platforms* as these OHS topics may support the prevention and reduction of *fall to lower level* for those trades.

Injury types categorized as MSD were linked with *ergonomics*. The majority of non-MSD injury types were linked with one or more of the OHS topics identified in the training standards (Table 2.2). We also linked certain non-MSD injury types to additional OHS topics

that were not included in Table 2.2 such as *workplace violence & harassment*, *driving safety*, *psychological*, and *psychosocial*. Based on our expertise in OHS, we believed the additional topics would help prevent these particular injury types, although these topics were not identified in the training standards. The definitions for these additional four OHS topics are presented in Table 2.3. A few non-MSD injury types (e.g., *assault by animals*) could not be linked to any OHS topic.

Table 2.3. Definitions for the list of additional OHS topics identified during a priori linkages process.

OHS Topic	Definition
Driving safety	Demonstrate safe use of vehicles in work environment
Psychological	Demonstrate the ability to protect oneself from psychological harm
Psychosocial	Demonstrate the ability to engage in safe interpersonal communication in the workplace
Workplace violence & harassment	Demonstrate the ability to not harass or act violently in the work environment

2.5. OHS training gap analysis

2.5.1. Gap analysis in curriculum standard by OHS topic for each trade

We analyzed the OHS training gaps in the curriculum standards by comparing linked number of OHS topic hours (*none*, *low*, *medium*, or *high*) and number of claims of the injury types (*low*, *medium*, or *high*). The following 12 paired categories, resulting from the combinations of categories for the number of OHS topic hours and number of claims, were ordered based on the extent of OHS training gap: *none-high* (largest gap), *low-high*, *medium-high*, *none-medium*, *low-medium*, *none-low*, *high-high*, *medium-medium*, *high-medium*, *low-low*, *medium-low*, and *high-low*. For example, in *none-high*, the *none* refers to the absence of a particular OHS topic in the curriculum standard whereas the *high* refers to the high

number of claims reported for a particular injury type in the trade. We discussed the order of categories using our OHS expertise until we reached a consensus; hence, the order may differ among other research groups. Our gap analysis focused primarily on the *none-high* and *low-high* categories because these represent significant training gaps.

2.5.2. Gap analysis in curriculum standard across all OHS topics for each trade

To identify the OHS topics that have significant gaps in the entire curriculum standard of each trade, we compared the number of hours for the OHS topics and the sum of claims of all injury types linked to the OHS topics. First, we calculated the sum of claims of the injury types that were linked to the OHS topic. Second, the sum of claims were trichotomized into *low*, *medium*, or *high*. In each trade, the thresholds of each category were defined relative to the highest sum of claims of all injury types linked to an OHS topic. Then, we compared the number of OHS topic hours (*none*, *low*, *medium*, or *high*) and the sum of claims (*low*, *medium*, or *high*). The 12 paired categories resulting from the combinations of categories for the number of OHS topic hours and sum of claims, were ordered based on the extent of OHS training gap: *none-high*, *low-high*, *medium-high*, *none-medium*, *low-medium*, *none-low*, *high-high*, *medium-medium*, *high-medium*, *low-low*, *medium-low*, and *high-low*. Our gap analysis focused primarily on the *none-high* and *low-high* categories because these represent significant training gaps. An example of this process and a sample heat map (Figure 2.2) are presented below.

Example: Determining the categories of the sum of claims of injury types linked to OHS topics

The number of claims of each injury type are presented as a percentage of total claims for a trade:

- MSD : 50% of total claims
- Overexertion : 10% of total claims
- Fire : 5% of total claims
- Falls : 35% of total claims

Four OHS topics were identified in the curriculum standard of this trade and their number of hours have been categorized as low, medium, or high:

- Ergonomics : Low
- Hazard-fire : High
- Hazard-slips, trips, and falls : Medium
- Housekeeping & cleanliness : High

The OHS topics were linked to the injury types:

- Two injury types (MSD and overexertion) were linked to one OHS topic (ergonomics)
- One injury type (fire) was linked to one OHS topic (hazard-fire)
- One injury type (falls) was linked to two OHS topics (hazard-slips, trips, and falls and housekeeping & cleanliness)

Calculate the sum of claims per OHS topic:

- Sum of claims of injury types linked to ergonomics = 60% of total claims
- Sum of claims of injury types linked to hazard-fire = 5% of total claims
- Sum of claims of injury types linked to hazard-slips, trips, and falls = 35% of total claims
- Sum of claims of injury types linked to housekeeping & cleanliness = 35% of total claims

OHS topic linked with the highest sum of claims is ergonomics (i.e., 60% of total claims); therefore, the thresholds for low, medium, and high are defined relative to 60%:

- Low : > 0% to < 20% of total claims
- Medium : $\geq 20\%$ to < 40% of total claims
- High : $\geq 40\%$ to $\leq 60\%$ of total claims

The sum of claims of injury types linked to ergonomics, hazard-fire, hazard-slips, trips, and falls, and housekeeping & cleanliness would be categorized as high, low, medium, and medium respectively.

- Ergonomics : $40\% \leq 60\% \leq 60\%$ of total claims (**high**)
- Hazard-Fire : $0\% < 5\% < 20\%$ of total claims (**low**)
- Hazard-Slips, trips, and falls : $20\% \leq 35\% < 40\%$ of total claims (**medium**)
- Housekeeping & cleanliness : $20\% \leq 35\% < 40\%$ of total claims (**medium**)

Paired categories resulting from the combinations of categories for the number of OHS topic hours and sum of claims:

- Ergonomics : **Low-High** (i.e., low number of hours but high sum of claims)
- Hazard-fire : High-Low
- Hazard-Slips, trips, and falls : Medium-Medium
- Housekeeping & cleanliness : High-Medium

Ergonomics was categorized as low-high, suggesting that there is a significant gap in ergonomics training that needs to be addressed for this trade.

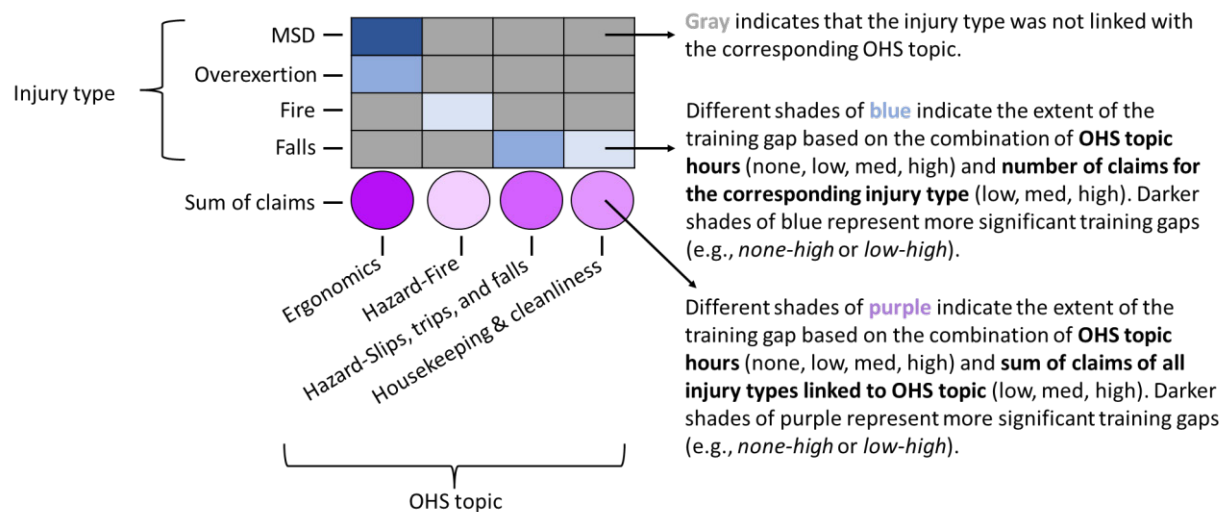


Figure 2.2. Sample heat map of gap analysis in curriculum standard.

2.5.3. Gap analysis in apprenticeship standard by OHS topic for each trade

To analyze the OHS training gaps in 35 apprenticeship standards, we compared the presence of OHS topic (*present* or *absent*) and number of claims of the injury types (*low*, *medium*, or *high*). The following six paired categories, resulting from the combination of OHS topic presence and number of claims, are ordered based on the extent of OHS training gap: *absent-high*, *present-high*, *absent-medium*, *present-medium*, *absent-low*, *present-low*. The order of categories was discussed based on our OHS expertise until a consensus was reached; therefore, the order may vary for other research groups. Our gap analysis focused primarily on the *absent-high* and *present-high* categories because these represent significant training gaps.

2.5.4. Gap analysis in apprenticeship standard across all OHS topics for each trade

We also compared the presence of OHS topics and the categories of the sum of claims of injury types linked to the OHS topic so that we can identify the OHS topics that have significant gaps in the entire apprenticeship standard for each trade. First, the categories for the sum of claims were determined using the technique described in section 2.5.2. Then, we compared the presence of OHS topic (*present* or *absent*) and the sum of

claims (*low, medium, or high*). The six paired categories resulting from the combinations of OHS topic presence and sum of claims, were ordered based on the extent of OHS training gap: *absent-high, present-high, absent-medium, present-medium, absent-low, present-low*. Our gap analysis focused primarily on the *absent-high* and *present-high* categories because these represent significant training gaps.

3.0. Results: Sector analysis of all service trades

In Sections 3.1 to 3.4, we present the number of OHS topic hours in curriculum standards, presence of OHS topics in training standards, and gap analysis of the curriculum and apprenticeship standards of all service trades.

3.1. Number of hours for OHS topics in curriculum standards of 23 trades

Total OHS training hours in curriculum standard varied across the trade programs (Table 3.1). In six trades, 10-25% of total curriculum hours is required for OHS training. OHS training accounted for less than 10% of the total curriculum hours in each of the remaining 17 trades. Utility Arborist had the highest OHS training hours (~25% of total curriculum hours) whereas IT - Contact Centre Customer Service Agent, IT - Contact Centre Technical Support Agent, and IT - Contact Centre Sales Agent had the lowest number of OHS training hours (0% of total curriculum hours).

Number of hours required for each researcher-identified OHS topic differed among the trade programs (Figure 3.1). Each of the 17 trade programs focused primarily on either *hazard-general* ($n=2$), *housekeeping & cleanliness* ($n=7$), *legislation* ($n=1$), *lifting equipment* ($n=1$), *PPE* ($n=2$), *psychological* ($n=1$), *psychosocial* ($n=1$), *safe handling of equipment* ($n=2$), *safe handling of hazardous materials* ($n=1$), *safe work processes* ($n=3$). The curriculum standards of 10 trade programs include *ergonomics* training and while MSD is the leading cause of lost time claims, the required number of hours for the topic was less than 10% of total OHS training in each trade.

Table 3.1. Total hours in curriculum standard and total OHS training hours for each trade.

Trade	Total hours in curriculum standard	Total OHS training hours (% of total hours in curriculum standard)
Agricultural - Dairy Herdsperson	480	44 (9%)
Appliance Service Technician	730	18 (3%)
Arborist	720	132 (18%)
Assistant Cook	360	22 (6%)
Baker	720	5 (1%)
Baker-Patissier	870	5 (1%)
Chef	360	28 (8%)

Child and Youth Worker	960	112 (12%)
Child Development Practitioner	750	100 (13%)
Cook	720	22 (3%)
Developmental Services Worker	780	40 (5%)
Educational Assistant	852	61 (7%)
Hairstylist	480	20 (4%)
Horticultural Technician	720	123 (17%)
Institutional Cook	360	57 (16%)
IT - Hardware Technician	630	39 (6%)
IT - Contact Centre Customer Service Agent	180	0 (0%)
IT - Contact Centre Technical Support Agent	270	0 (0%)
IT - Network Technician	720	22 (3%)
IT - Contact Centre Sales Agent	180	0 (0%)
Network Cabling Specialist	576	40 (7%)
Parts Technician	540	28 (5%)
Utility Arborist	660	166 (25%)

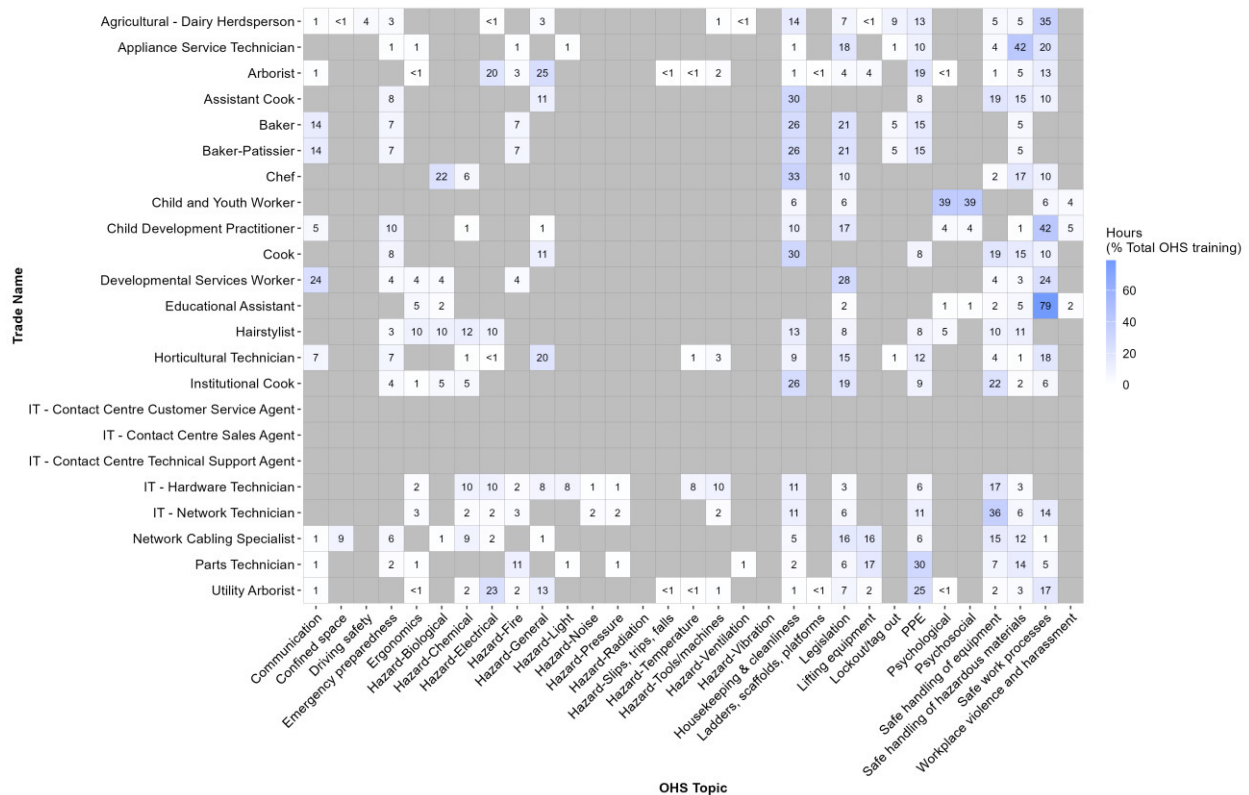


Figure 3.1. Heat map of number of hours required for each OHS topic identified in curriculum standards. OHS topic hours in each trade are presented as a percentage of total OHS training specific to the trade.

3.2. Presence of OHS topics based on training standards

Figure 3.2 shows the presence of OHS topics for 23 trades that have both curriculum and apprenticeship standards. Some of the researcher-identified OHS topics that appeared in the curriculum standard did not necessarily appear in the apprenticeship standard of the same trade, and vice versa.

Figure 3.3 shows the presence of OHS topics for 11 trades that have only apprenticeship standards. Each of the trade program includes training components that align with five or more researcher-identified OHS topics.

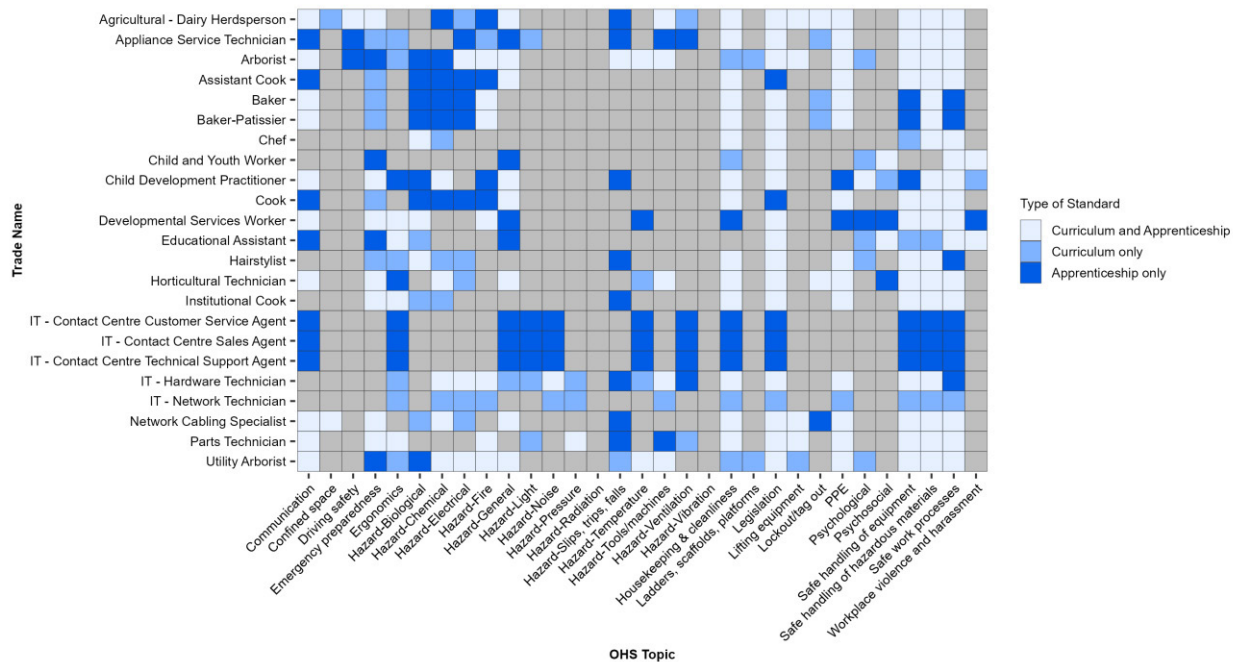


Figure 3.2. Presence of OHS topics for trade programs that have both curriculum and apprenticeship standards. Researcher-identified OHS topics appeared in curriculum and apprenticeship standards (light-blue cells), curriculum standard only (medium-blue cells), or apprenticeship standard only (dark-blue cells). Gray cells represent the absence of OHS topics.

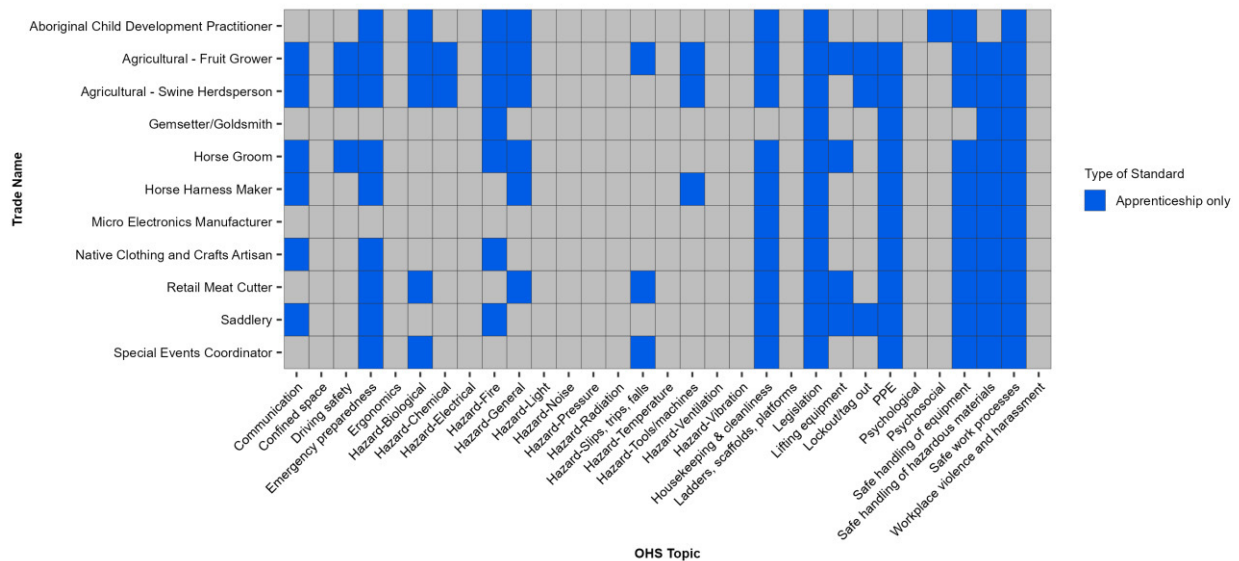


Figure 3.3. Presence of OHS topics for trade programs that include only apprenticeship standards. Gray cells represent the absence of OHS topics.

3.3. Gap analysis in curriculum standards of 20 trades

Figure 3.4 shows the number of OHS topic hours (none, low, medium, or high) and sum of claims of injury types linked to the OHS topics (low, medium, or high) for each of the 20 trades that have curriculum standards and injury data.

We observed significant training gaps in *ergonomics* (none-high: 3 trades; low-high: 5 trades; none-med: 5 trades) and *housekeeping & cleanliness* (none-high: 4 trades, low-high: 7 trades). Several trades also had considerable gaps in *hazard-slips, trips, falls* (none-med: 12 trades), *hazard-tools/machines* (none-high: 3 trades; none-med = 8 trades), *PPE* (low-high: 3 trades; none-med = 3 trades), and *safe handling of equipment* (low-high: 4 trades, none-med = 5 trades).

We could not conduct gap analysis for the following 17 trades because curriculum standards were not available for the trades: *Aboriginal Child Development Practitioner*,

Agricultural - Fruit Grower, Agricultural - Swine Herdperson, Bicycle Mechanic, Child Development Practitioner - Inclusion Practices, Electronic Service Technician, Gemsetter/Goldsmith, Hardware, Lumber and Building Materials Retailer, Horse Groom, Horse Harness Maker, Micro Electronics Manufacturer, Native Clothing and Crafts Artisan, Pool, Hot Tub and Spa - Installer, Pool, Hot Tub and Spa - Service Technician, Retail Meat Cutter, Saddlery, and Special Events Coordinator.

We could not conduct gap analysis for the following three trades because WSIB injury data was not available (i.e., we were not able to confidently link via job code crosswalk automatically and manually) for the trades: *IT - Contact Centre Technical Support Agent, IT - Hardware Technician, and IT - Network Technician.*

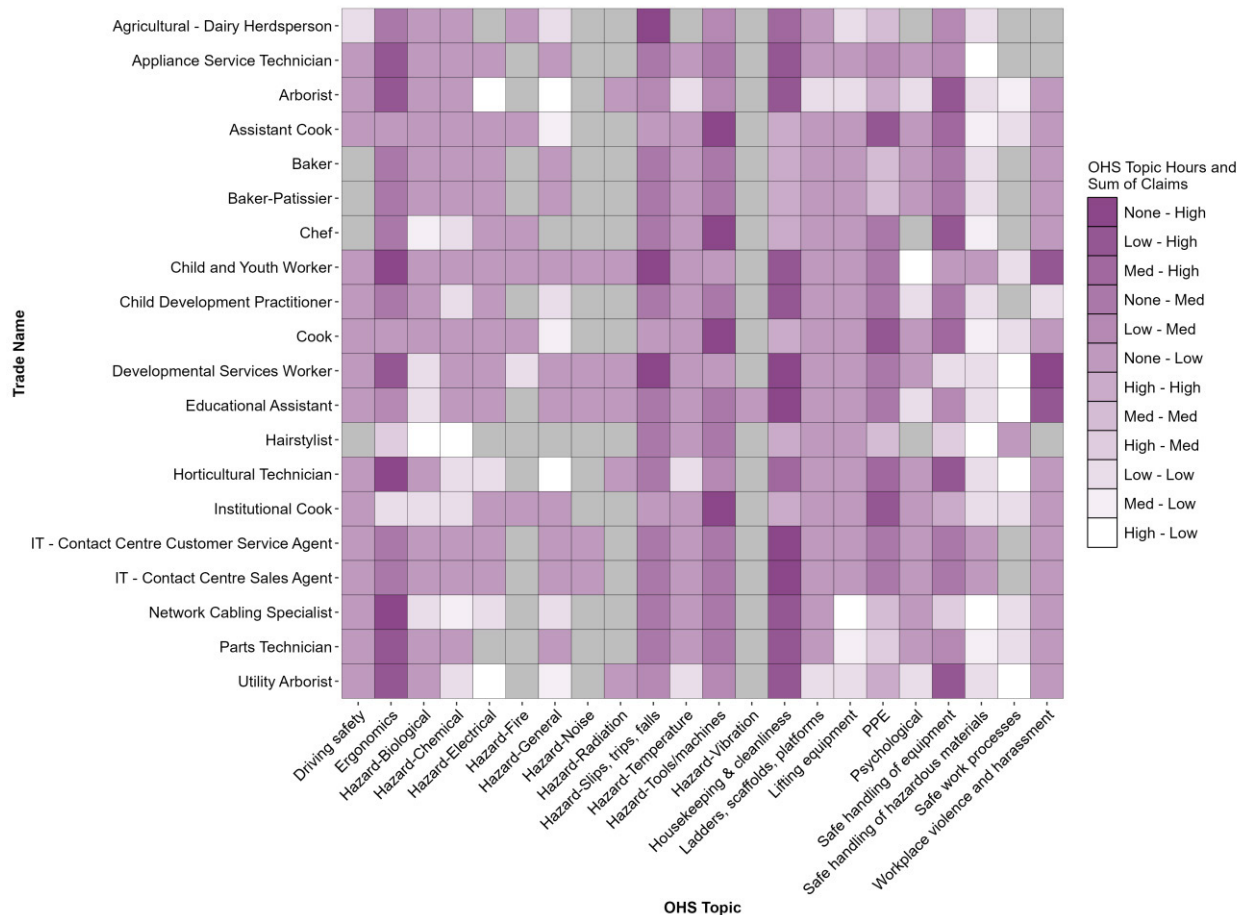


Figure 3.4: Heat map of the number of hours of each OHS topic (identified in the curriculum standard) and sum of claims of injury types linked to the OHS topic for each trade. OHS

topic hours in each trade are presented as a percentage of the total OHS training of that trade. Sum of claims in each trade is presented as a percentage of the total claims reported for that trade. The extent of OHS training gap was measured on a 12-point scale from *none-high* (largest gap) to *high-low*.

3.4. Gap analysis in apprenticeship standards of 31 trades

Figure 3.5 shows the presence of OHS topics (absent or present) and sum of claims of the injury types linked to the OHS topics (low, medium, or high) for each of the 31 trades that have apprenticeship standards and injury data.

Significant training gaps were observed in *ergonomics* (absent-high: 8 trades; present-high: 3 trades; absent-med: 8 trades) and *housekeeping & cleanliness* (absent-high: 5 trades; present-high: 26 trades). Certain trades also had considerable gaps in *hazard-slips, trips, falls* (absent-high: 4 trades; present-high: 1 trades; absent-med: 6 trades; present-med: 1 trade), *hazard-tools/machines* (absent-high: 7 trades; present-high: 2 trades; absent-med: 8 trades; present-med: 1 trade), *PPE* (present-high: 11 trades; absent-med: 3 trades; present-med: 1 trade), and *safe handling of equipment* (absent-high: 2 trades; present-high: 11 trades; present-med: 1 trade).

We could not conduct gap analysis for the following six trades because apprenticeship standards were not available for the trades: *Bicycle Mechanic; Child Development Practitioner - Inclusion Practices; Electronic Service Technician; Hardware, Lumber and Building Materials Retailer; Pool, Hot Tub and Spa - Installer; and Pool, Hot Tub and Spa - Service Technician*.

We could not conduct gap analysis for the following three trades because, like above, WSIB injury data was not available or we could not confidently link job codes for the trades: *IT - Contact Centre Technical Support Agent, IT - Hardware Technician, and IT - Network Technician*.

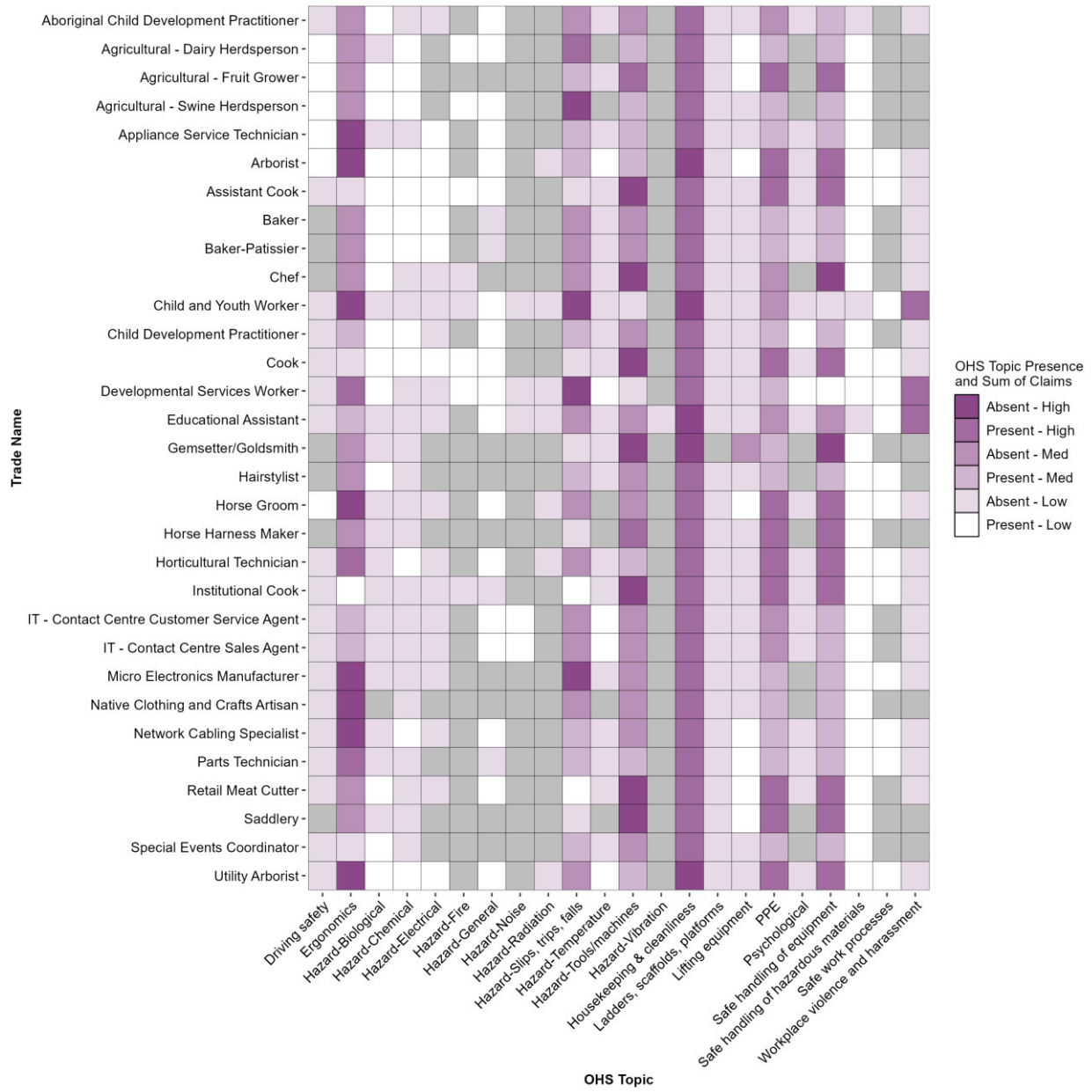


Figure 3.5: Heat map of the presence of each OHS topic (identified in apprenticeship standard) and sum of claims of injury types linked to the OHS topic for each trade. Sum of claims in each trade is presented as a percentage of the total claims reported for that trade. The extent of OHS training gap was measured on a 6-point scale from *absent-high* (largest gap) to *present-low*.

4.0. Results: Trade-specific analysis

In Sections 4.1 to 4.40, we present our findings for each trade in individual sections. For each trade, we included the **trade codes** (based on Skilled Trades Ontario, NOC 2016, NOC 2021, SOC, and CIP), **description of the trade** (based on Skilled Trades Ontario), **OHS training components in curriculum and apprenticeship standards**, and **gap analyses of the curriculum and apprenticeship standards**, and **key takeaways**. Trade-specific injury data (based on WSIB data) are found in Annex A.

4.1. Aboriginal Child Development Practitioner

4.1.1. Codes

Trade Code: 620B

NOC 2016: 4214

NOC 2021: 42202

SOC Code: 25-2011.00

CIP Code: 13.1209

4.1.2. Description

According to Skilled Trades Ontario, an Aboriginal Child Development Practitioner plans, organizes, and implements activities for preschool children to encourage children in intellectual, physical, and emotional growth.

4.1.3. OHS training components in curriculum standard

This trade program does not include a curriculum standard. However, there is a Schedule of Training document which includes an outline of the in-school training components for this trade program. Based on the outline, we identified five OHS topics (communication, legislation, psychological, psychosocial, and safe work processes).

4.1.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 9 researcher-identified OHS topics: emergency preparedness, hazard-biological, hazard-fire, hazard-general, housekeeping & cleanliness, legislation, psychosocial, safe handling of equipment, and safe work processes.

We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

There is no information regarding prevention of workplace violence and harassment.

4.1.5. Injury statistics

Based on the WSIB injury statistics, there were 2811 accepted lost-time claims reported from 2015-2020. The most common claims are fall on same level (~28% of total claims), MSD (~26% of total claims), struck by object (~12% of total claims), assaults and violent acts by person(s) (~9% of total claims), and exposure to caustic, noxious, or allergenic substances (~7% of total claims) (Annex A). The average cost of claim was approximately \$4,161. The average cost of claim for each injury type ranged from \$74 to \$101,288 (Annex A). The total days lost across all claims was 48,664. The total days lost for each injury type ranged from 0 to 17,611 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.1.6. Gap analysis in curriculum standard

We could not conduct gap analysis in curriculum standard because this trade program does not include a curriculum standard.

4.1.7. Gap analysis in apprenticeship standard

Based on our gap analysis, there is a high number of claims across the injury types that were a priori linked to housekeeping & cleanliness (~56% of total claims) although the apprenticeship standard includes training components that align with the topic (Figure 4.1.1). We also found moderate number of claims across the injury types that were a priori linked to ergonomics (~26% of total claims); hazard-slips, trips, falls (~37% of total claims); hazard-tools/machines (~19% of total claims); and PPE (~26% of total claims), but the apprenticeship standard does not include training components that align with the topics (Figure 4.1.1). Therefore, there are significant gaps in housekeeping & cleanliness; ergonomics; hazard-slips, trips, falls; hazard-tools/machines; and PPE training that need to be addressed.

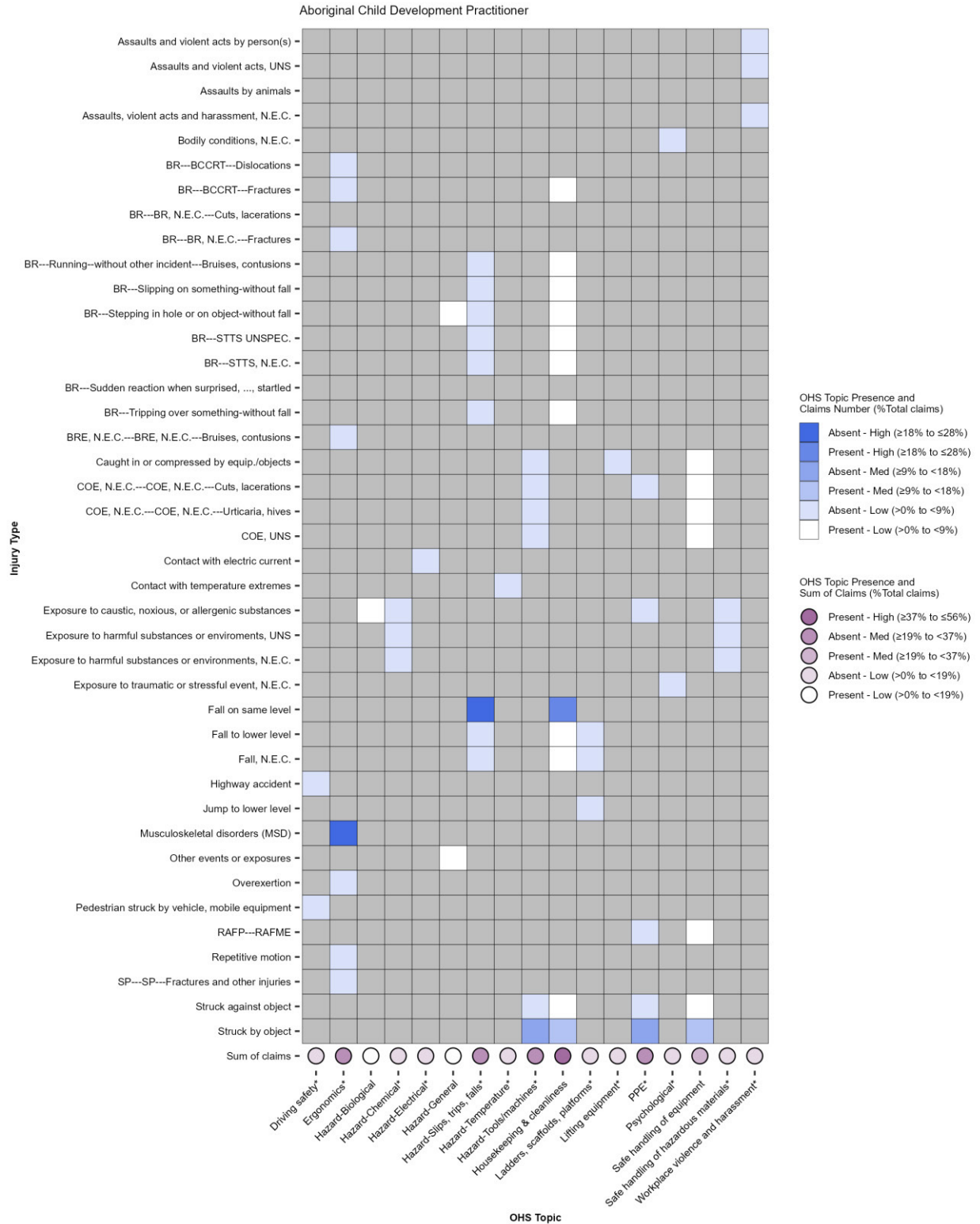


Figure 4.1.1: Heat map of the presence of each OHS topic and sum of claims of injury types linked to the OHS topic. Sum of claims in each trade is presented as a percentage of the

total claims. The following OHS topics were identified in the apprenticeship standard but are not presented on the heatmap because we did not make a priori links to any injury type: emergency preparedness, hazard-fire, legislation, psychosocial, and safe work processes. OHS topics that were not identified in the apprenticeship standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.1.8. Key takeaways

- Most common injury types: fall on same level, MSD, struck by object, assaults and violent acts by person(s), and exposure to caustic, noxious, or allergenic substances.
- 32OHS training components in the apprenticeship standard align with 9 researcher-identified OHS topics.
- There are significant gaps in housekeeping & cleanliness; ergonomics; hazard-slips, trips, falls; hazard-tools/machines; and PPE training that need to be addressed in the apprenticeship standard.
- Training related to prevention of workplace violence and harassment was absent in the apprenticeship standard.

4.2. Agricultural - Dairy Herdsperson

4.2.1. Codes

Trade Code: 640D

NOC 2016: 8252

NOC 2021: 84120

SOC Code: 45-2093.00

CIP Code: 1.0306

4.2.2. Description

According to Skilled Trades Ontario, an Agricultural - Dairy Herdsperson maintains the health, nutrition, and breeding of milk cows, works with milk processing and sterilizing equipment, operates and maintains barn mechanical and electrical systems and farm mechanical equipment, performs milking, performs feeding and watering, performs herd health procedures, performs routine herd maintenance, operates and maintains farm mechanical and electrical systems, and operates and maintains farm mechanical equipment.

4.2.3. OHS training components in curriculum standard

The curriculum standard consists of 480 hours of training, of which nearly 44 hours (~9% of total curriculum hours) is required for OHS training. The curriculum standard includes training components that align with 16 researcher-identified OHS topics: communication, confined space, driving safety, emergency preparedness, hazard-electrical, hazard-general, hazard-tools/machines, hazard-ventilation, housekeeping & cleanliness, legislation, lifting equipment, lockout/tag out, PPE, safe handling of equipment, safe handling of hazardous materials, and safe work processes. Safe work processes has the highest hours (~35% of total OHS training) whereas lifting equipment has the lowest hours (<1% of total OHS training).

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.2.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 16 researcher-identified OHS topics: communication; driving safety; emergency preparedness; hazard-chemical; hazard-fire; hazard-general; hazard-slips, trips, falls; hazard-tools/machines; housekeeping & cleanliness; legislation; lifting equipment; lockout/tag out; PPE; safe handling of equipment; safe handling of hazardous materials; and safe work processes.

We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

Three OHS topics (confined space, hazard-electrical, and hazard-ventilation) were identified only in the curriculum standard but not in the apprenticeship standard. On the other hand, three OHS topics (hazard-chemical; hazard-fire; and hazard-slips, trips, falls) were identified only in the apprenticeship standard but not in the curriculum standard.

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.2.5. Injury statistics

Based on the WSIB injury statistics, there were 46 accepted lost-time claims reported from 2015-2020. The most common claims are MSD (~24% of total claims), fall on same level (~22% of total claims), assaults by animals (~13% of total claims), caught in or compressed by equip./objects (~9% of total claims), and fall to lower level, struck against object, and struck by object (~7% of total claims) (Annex A). The average cost of claim was approximately \$24,279. The average cost of claim for each injury type ranged from \$788 to \$239,146 (Annex A). The total days lost across all claims was 2,828. The total days lost for each injury type ranged from 0 to 1,704 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.2.6. Gap analysis in curriculum standard

According to our gap analysis, there is a high number of claims across the injury types that were a priori linked to hazard-slips, trips, falls (~30% of total claims); however, the curriculum standard does not include training components that align with the topic (Figure 4.3.1). We also found high number of claims across the injury types that were a priori linked to housekeeping & cleanliness (~43% of total claims), but the curriculum standard includes moderate number of hours for training components that align with the topic (Figure 4.3.1). Therefore, there are significant gaps in hazard-slips, trips, falls and housekeeping & cleanliness training that need to be addressed.

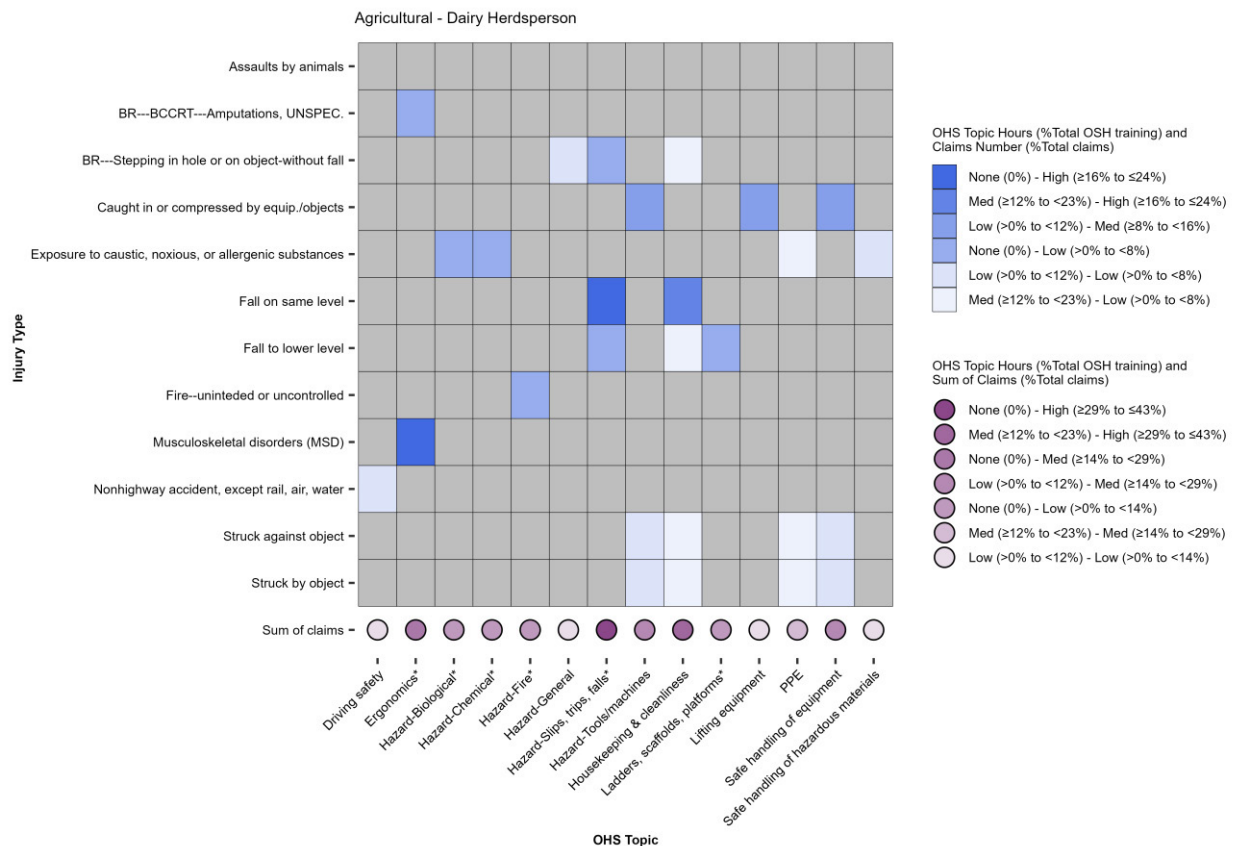


Figure 4.3.1: Heat map of the number of each OHS topic hours and sum of claims of injury types linked to the OHS topic for each trade. OHS topic hours are presented as a percentage of the total OHS training. Sum of claims is presented as a percentage of the total claims. The following OHS topics were identified in the curriculum standard but are not presented on the heatmap because we did not make a priori links to any injury type: communication (Low; 1%), confined space (Low; <1%), emergency preparedness (Low; 3%), hazard-electrical (Low; <1%), hazard-ventilation (Low; <1%), legislation (Low; 7%), lockout/tag out (Low; 9%), and safe work processes (High; 35%). OHS topics that were not identified in the curriculum standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.2.7. Gap analysis in apprenticeship standard

Based on our gap analysis, there is a high number of claims across the injury types that were a priori linked to hazard-slips, trips, falls (~30% of total claims) and housekeeping & cleanliness (~43% of total claims) although the apprenticeship standard includes training components that align with the topics (Figure 4.3.2). We also found moderate number of claims across the injury types that were a priori linked to ergonomics (~26% of total claims), but the apprenticeship standard does not include training components that align with the topic (Figure 4.3.2). Therefore, there are significant gaps in hazard-slips, trips, falls; housekeeping & cleanliness; and ergonomics training that need to be addressed.

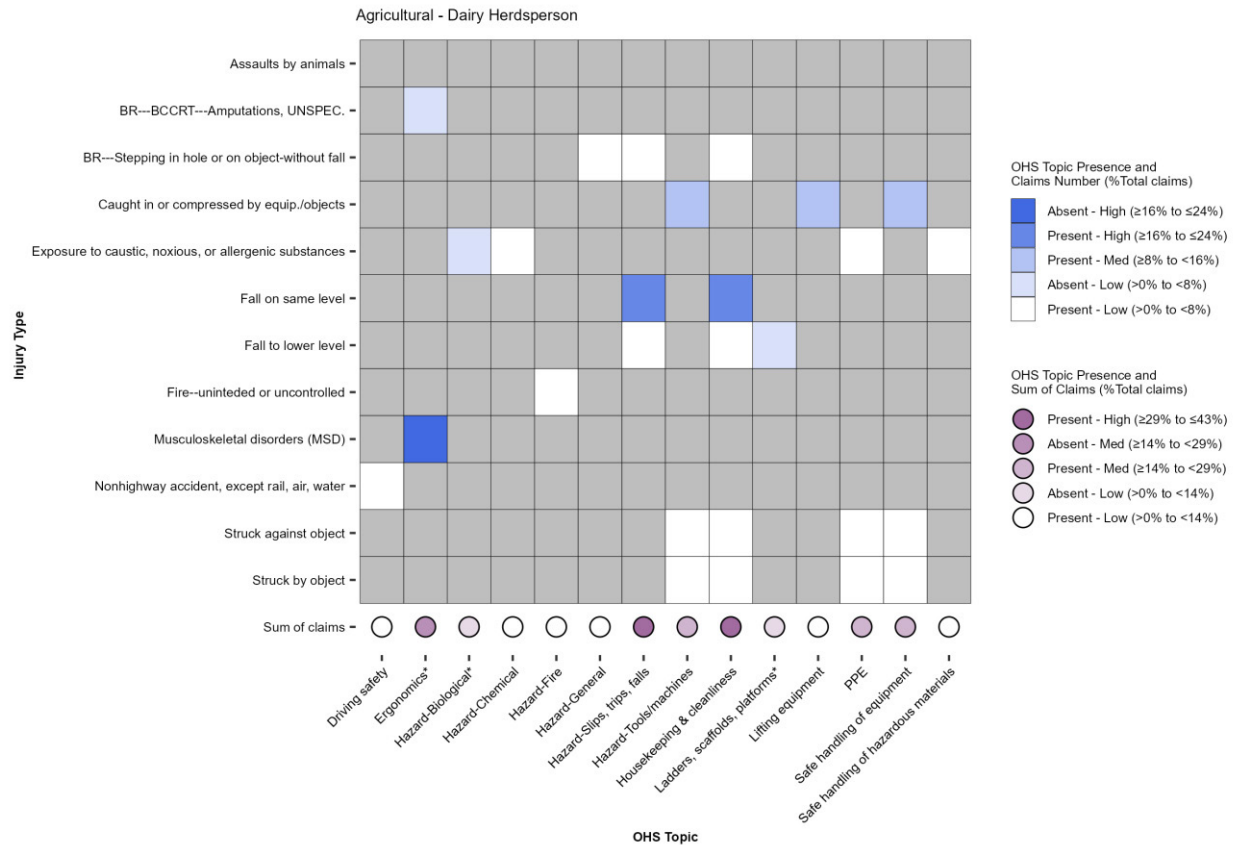


Figure 4.3.2: Heat map of the presence of each OHS topic and sum of claims of injury types linked to the OHS topic. Sum of claims in each trade is presented as a percentage of the total claims. The following OHS topics were identified in the apprenticeship standard but are not presented on the heatmap because we did not make a priori links to any injury type: communication, emergency preparedness, legislation, lockout/tag out, and safe work processes. OHS topics that were not identified in the apprenticeship standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.2.8. Key takeaways

- Most common injury types: MSD, fall on same level, assaults by animals, caught in or compressed by equip./objects, and fall to lower level, struck against object, and struck by object. 37
- OHS training components in the curriculum and apprenticeship standards align with 16 and 16 researcher-identified OHS topics, respectively.

- There are significant gaps in hazard-slips, trips, falls and housekeeping & cleanliness training that need to be addressed in the curriculum standard. Additionally, there are significant gaps in hazard-slips, trips, falls; housekeeping & cleanliness; and ergonomics training that need to be addressed in the apprenticeship standard. 38
- Mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment were absent in training standards.

4.3. Agricultural - Fruit Grower

4.3.1. Codes

Trade Code: 640F

NOC 2016: 821

NOC 2021: 80020

SOC Code: 11-9013.00

CIP Code: 1.0301

4.3.2. Description

According to Skilled Trades Ontario, an Agricultural - Fruit Grower is responsible for planting, cultivating, propagating, spraying, irrigating, transplanting, pruning, and harvesting of all types of fruit; and operating and maintaining mechanical and power equipment and systems and farm mechanical equipment.

4.3.3. OHS training components in curriculum standard

This trade program does not include a curriculum standard. However, there is a Schedule of Training document which includes an outline of the in-school training components for this trade program. Based on the outline, we identified 13 OHS topics (hazard-general, safe work processes, legislation, PPE, housekeeping & cleanliness, communication, emergency preparedness, hazard-tools/machines, safe handling of equipment, lockout/tag out, safe handling of hazardous materials, lifting equipment, driving safety).

4.3.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 17 researcher-identified OHS topics: communication; driving safety; emergency preparedness; hazard-biological; hazard-chemical; hazard-fire; hazard-general; hazard-slips, trips, falls; hazard-tools/machines; housekeeping & cleanliness; legislation; lifting equipment; lockout/tag out;

PPE; safe handling of equipment; safe handling of hazardous materials; and safe work processes.

We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.3.5. Injury statistics

Based on the WSIB injury statistics, there were 123 accepted lost-time claims reported from 2015-2020. The most common claims are MSD (~24% of total claims), struck by object (~14% of total claims), assaults by animals (~12% of total claims), exposure to caustic, noxious, or allergenic substances (~11% of total claims), and fall on same level (~8% of total claims) (Annex A). The average cost of claim was approximately \$32,627. The average cost of claim for each injury type ranged from \$130 to \$123,990 (Annex A). The total days lost across all claims was 16,275. The total days lost for each injury type ranged from 0 to 5,133 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.3.6. Gap analysis in curriculum standard

We could not conduct gap analysis in curriculum standard because this trade program does not include a curriculum standard.

4.3.7. Gap analysis in apprenticeship standard

Based on our gap analysis, there is a high number of claims across the injury types that were a priori linked to hazard-tools/machines (~28% of total claims), housekeeping &

cleanliness (~38% of total claims), PPE (~33% of total claims), and safe handling of equipment (~28% of total claims) although the apprenticeship standard includes training components that align with the topics (Figure 4.4.1). We also found moderate number of claims across the injury types that were a priori linked to ergonomics (~25% of total claims), but the apprenticeship standard does not include training components that align with the topic (Figure 4.4.1). Therefore, there are significant gaps in hazard-tools/machines, housekeeping & cleanliness, PPE, safe handling of equipment, and ergonomics training that need to be addressed.

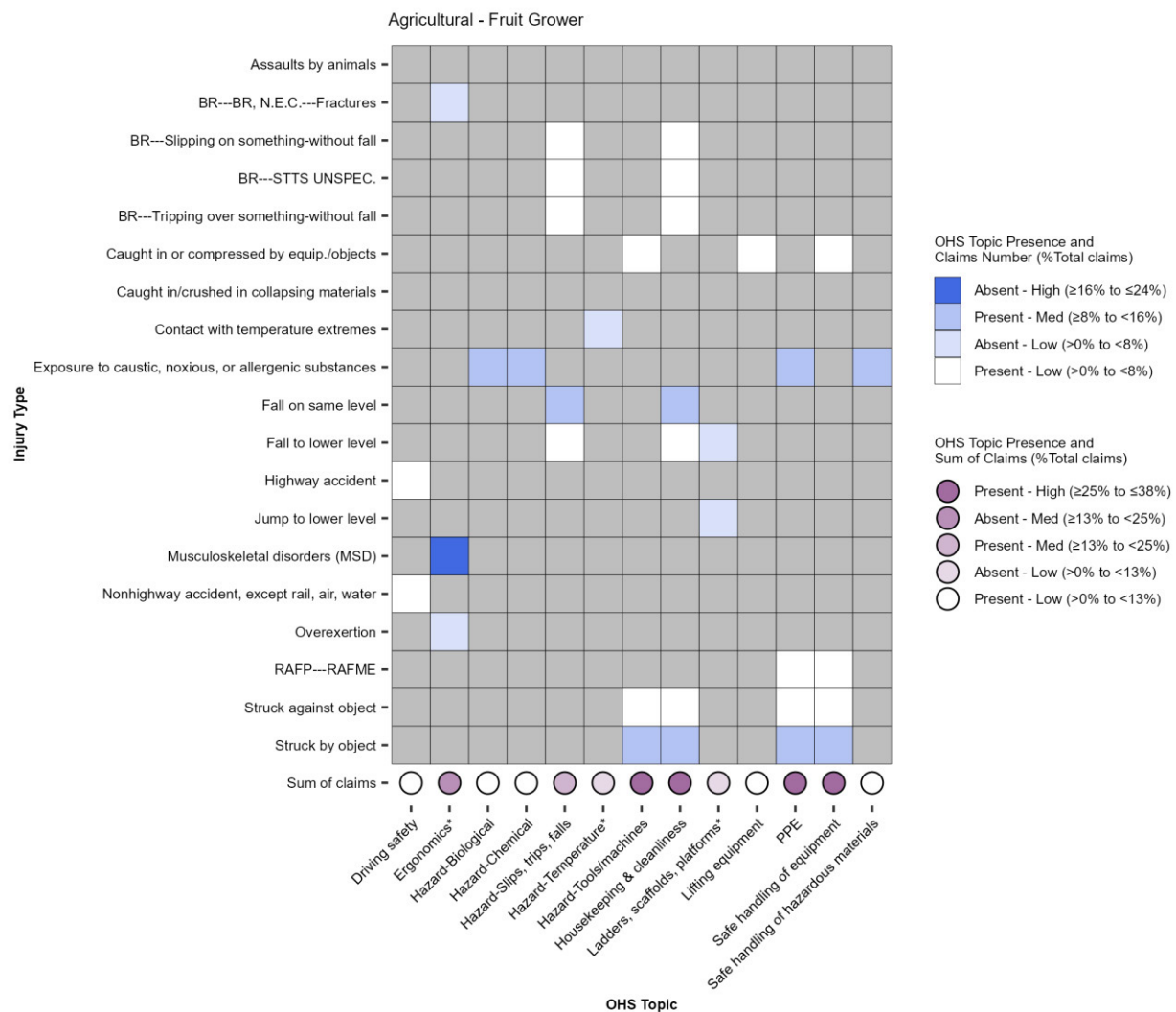


Figure 4.4.1: Heat map of the presence of each OHS topic and sum of claims of injury types linked to the OHS topic. Sum of claims in each trade is presented as a percentage of the

total claims. The following OHS topics were identified in the apprenticeship standard but are not presented on the heatmap because we did not make a priori links to any injury type: communication, emergency preparedness, hazard-fire, hazard-general, legislation, lockout/tag out, and safe work processes. OHS topics that were not identified in the apprenticeship standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.3.8. Key takeaways

- Most common injury types: MSD, struck by object, assaults by animals, exposure to caustic, noxious, or allergenic substances, and fall on same level. 42
- OHS training components in the apprenticeship standard align with 17 researcher-identified OHS topics.
- There are significant gaps in hazard-tools/machines, housekeeping & cleanliness, PPE, safe handling of equipment, and ergonomics training that need to be addressed in the apprenticeship standard.
- Mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment were absent in the apprenticeship standard.

4.4. Agricultural - Swine Herdsperson

4.4.1. Codes

Trade Code: 640S

NOC 2016: 8252

NOC 2021: 84120

SOC Code: 45-2093.00

CIP Code: 1.0302

4.4.2. Description

According to Skilled Trades Ontario, an Agricultural – Swine Herdsperson performs the following duties: reads and interprets Code of Practices, Swine Canadian Quality Assurance procedures, Agriculture Safety Audit Procedures, and veterinarian recommendations /prescriptions; performs herd health and comfort maintenance; performs breeding/gestation procedures; performs farrowing procedures; manages nursery stock; performs manure management procedures; operates and maintains farm systems, vehicles, and equipment; operates and maintains farm mechanical equipment.

4.4.3. OHS training components in curriculum standard

This trade program does not include a curriculum standard. However, there is a Schedule of Training document which includes an outline of the in-school training components for this trade program. Based on the outline, we identified 12 OHS topics (hazard-general, safe work processes, PPE, housekeeping & cleanliness, communication, emergency preparedness, hazard-tools/machines, safe handling of equipment, lockout/tag out, safe handling of hazardous materials, lifting equipment, and driving safety).

4.4.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 15 researcher-identified OHS topics: communication, driving safety, emergency preparedness, hazard-

biological, hazard-chemical, hazard-fire, hazard-general, hazard-tools/machines, housekeeping & cleanliness, legislation, lockout/tag out, PPE, safe handling of equipment, safe handling of hazardous materials, and safe work processes.

We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.4.5. Injury statistics

Based on the WSIB injury statistics, there were 46 accepted lost-time claims reported from 2015-2020. The most common claims are MSD (~24% of total claims), fall on same level (~22% of total claims), assaults by animals (~13% of total claims), caught in or compressed by equip./objects (~9% of total claims), and fall to lower level, struck against object, and struck by object (~7% of total claims) (Annex A). The average cost of claim was approximately \$24,279. The average cost of claim for each injury type ranged from \$788 to \$239,146 (Annex A). The total days lost across all claims was 2,828. The total days lost for each injury type ranged from 0 to 1,704 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.4.6. Gap analysis in curriculum standard

We could not conduct gap analysis in curriculum standard because this trade program does not include a curriculum standard.

4.4.7. Gap analysis in apprenticeship standard

Based on our gap analysis, there is a high number of claims across the injury types that were a priori linked to hazard-slips, trips, falls (~30% of total claims); however, the apprenticeship standard does not include training components that align with the topic (Figure 4.2.1). We also found high number of claims across the injury types that were a priori linked to housekeeping & cleanliness (~43% of total claims) although the apprenticeship standard includes training components that align with the topic (Figure 4.2.1). Therefore, there are significant gaps in hazard-slips, trips, falls and housekeeping & cleanliness training that need to be addressed.

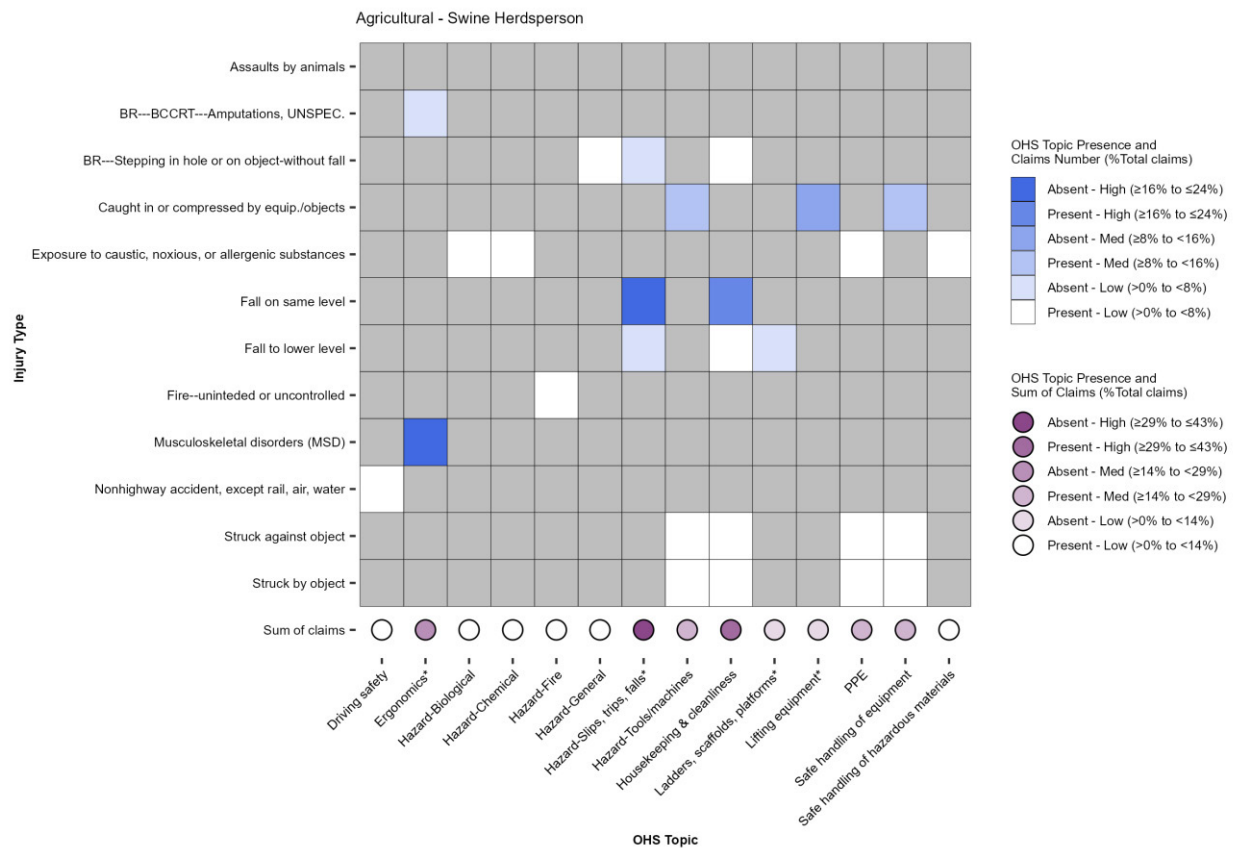


Figure 4.2.1: Heat map of the presence of each OHS topic and sum of claims of injury types linked to the OHS topic. Sum of claims in each trade is presented as a percentage of the total claims. The following OHS topics were identified in the apprenticeship standard but are not presented on the heatmap because we did not make a priori links to any injury type: communication, emergency preparedness, legislation, lockout/tag out, and safe work

processes. OHS topics that were not identified in the apprenticeship standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.4.8. Key takeaways

- Most common injury types: MSD, fall on same level, assaults by animals, caught in or compressed by equip./objects, and fall to lower level, struck against object, and struck by object. 46
- OHS training components in the apprenticeship standard align with 15 researcher-identified OHS topics.
- There are significant gaps in hazard-slips, trips, falls and housekeeping & cleanliness training that need to be addressed in the apprenticeship standard.
- Mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment were absent in the apprenticeship standard.

4.5. Appliance Service Technician

RED SEAL

4.5.1. Codes

Trade Code: 445A

NOC 2016: 7332

NOC 2021: 72421

SOC Code: 49-9031.00

CIP Code: 47.0106

4.5.2. Description

According to Skilled Trades Ontario, an Appliance Service Technician installs, assembles, disassembles, removes, services, repairs, maintains and disposes of domestic appliances and electrical household products. Some examples include refrigerators, dishwashers, washers, dryers, and ovens.

4.5.3. OHS training components in curriculum standard

The curriculum standard consists of 730 hours of training, of which nearly 18 hours (~3% of total curriculum hours) is required for OHS training. The curriculum standard includes training components that align with 11 researcher-identified OHS topics: emergency preparedness, ergonomics, hazard-fire, hazard-light, housekeeping & cleanliness, legislation, lockout/tag out, PPE, safe handling of equipment, safe handling of hazardous materials, and safe work processes. Safe handling of hazardous materials has the highest hours (~42% of total OHS training) whereas emergency preparedness, ergonomics, hazard-fire, hazard-light, housekeeping & cleanliness, and lockout/tag out have the lowest hours (~1% of total OHS training).

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.5.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 13 researcher-identified OHS topics: communication; driving safety; hazard-electrical; hazard-general; hazard-slips, trips, falls; hazard-tools/machines; hazard-ventilation; housekeeping & cleanliness; legislation; PPE; safe handling of equipment; safe handling of hazardous materials; and safe work processes.

We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

Five OHS topics (emergency preparedness, ergonomics, hazard-fire, hazard-light, and lockout/tag out) were identified only in the curriculum standard but not in the apprenticeship standard. On the other hand, seven OHS topics (communication; driving safety; hazard-electrical; hazard-general; hazard-slips, trips, falls; hazard-tools/machines; and hazard-ventilation) were identified only in the apprenticeship standard but not in the curriculum standard.

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.5.5. Injury statistics

Based on the WSIB injury statistics, there were 275 accepted lost-time claims reported from 2015-2020. The most common claims are MSD (~41% of total claims), struck by object (~14% of total claims), fall on same level (~11% of total claims), struck against object (~9% of total claims), and fall to lower level (~6% of total claims) (Annex A). The average cost of claim was approximately \$14,241. The average cost of claim for each injury type ranged from \$236 to \$422,158 (Annex A). The total days lost across all claims was 17,587. The total days lost for each injury type ranged from 1 to 7,468 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The

average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.5.6. Gap analysis in curriculum standard

According to our gap analysis, there is a high number of claims across the injury types that were a priori linked to ergonomics (~43% of total claims) and housekeeping & cleanliness (~43% of total claims); however, the curriculum standard includes low number of hours for training components that align with the topics (Figure 4.5.1). We also found moderate number of claims across the injury types that were a priori linked to hazard-slips, trips, falls (~20% of total claims) and hazard-tools/machines (~26% of total claims), but the curriculum standard does not include training components that align with the topics (Figure 4.5.1). Therefore, there are significant gaps in ergonomics; housekeeping & cleanliness; hazard-slips, trips, falls; and hazard-tools/machines training that need to be addressed.

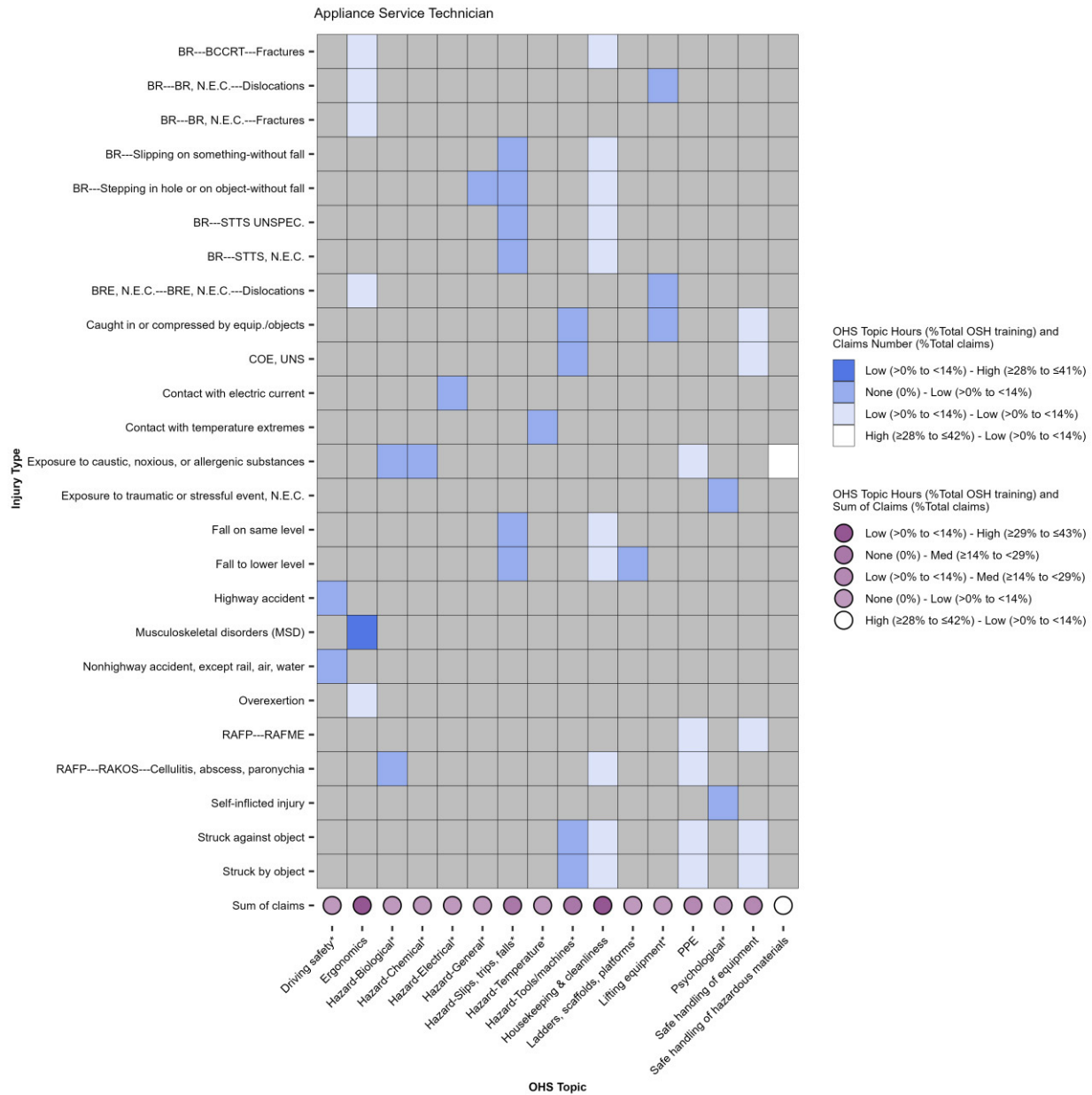


Figure 4.5.1: Heat map of the number of each OHS topic hours and sum of claims of injury types linked to the OHS topic for each trade. OHS topic hours are presented as a percentage of the total OHS training. Sum of claims is presented as a percentage of the total claims. The following OHS topics were identified in the curriculum standard but are not presented on the heatmap because we did not make a priori links to any injury type: emergency preparedness (Low; 1%), hazard-fire (Low; 1%), hazard-light (Low; 1%), legislation (Med; 18%), lockout/tag out (Low; 1%), and safe work processes (Med; 20%). OHS topics that

were not identified in the curriculum standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.5.7. Gap analysis in apprenticeship standard

Based on our gap analysis, there is a high number of claims across the injury types that were a priori linked to ergonomics (~43% of total claims); however, the apprenticeship standard does not include training components that align with the topic (Figure 4.5.2). We also found high number of claims across the injury types that were a priori linked to housekeeping & cleanliness (~43% of total claims) although the apprenticeship standard includes training components that align with the topic (Figure 4.5.2). Therefore, there are significant gaps in ergonomics and housekeeping & cleanliness training that need to be addressed.

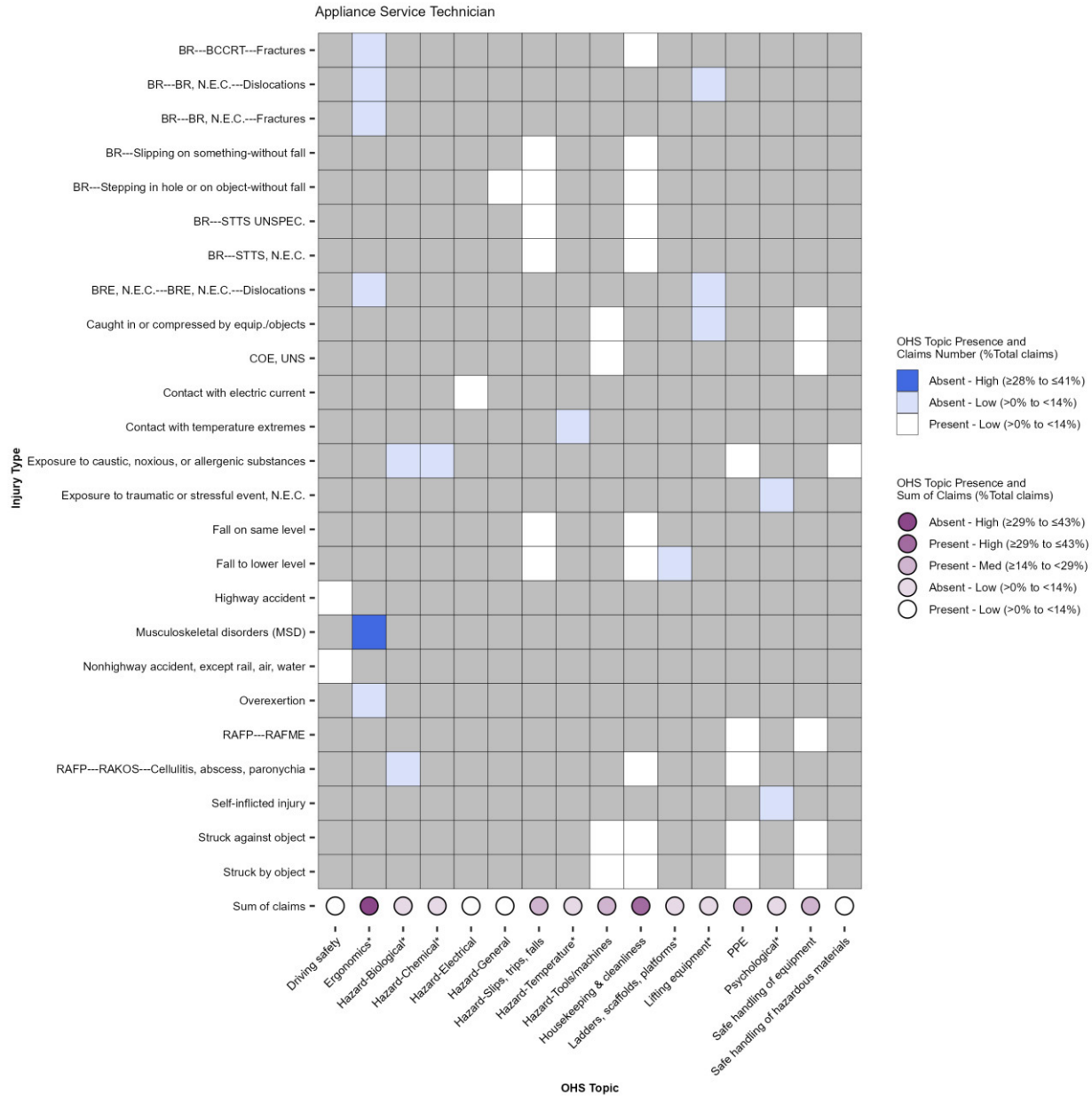


Figure 4.5.2: Heat map of the presence of each OHS topic and sum of claims of injury types linked to the OHS topic. Sum of claims in each trade is presented as a percentage of the total claims. The following OHS topics were identified in the apprenticeship standard but are not presented on the heatmap because we did not make a priori links to any injury type: communication, hazard-ventilation, legislation, and safe work processes. OHS topics that were not identified in the apprenticeship standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.5.8. Key takeaways

- Most common injury types: MSD, struck by object, fall on same level, struck against object, and fall to lower level. 53
- OHS training components in the curriculum and apprenticeship standards align with 11 and 13 researcher-identified OHS topics, respectively.
- There are significant gaps in ergonomics; housekeeping & cleanliness; hazard-slips, trips, falls; and hazard-tools/machines training that need to be addressed in the curriculum standard. Additionally, there are significant gaps in ergonomics and housekeeping & cleanliness training that need to be addressed in the apprenticeship standard.
- Mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment were absent in training standards.

4.6. Arborist

4.6.1. Codes

Trade Code: 444A

NOC 2016: 2225

NOC 2021: 22114

SOC Code: 37-3011.00

CIP Code: 1.0699

4.6.2. Description

According to Skilled Trades Ontario, an Arborist transplants, maintains and removes trees and woody plants using ropes, climbing systems, pruning tools, diagnostic tools and mechanized equipment. Arborists have knowledge in the science of arboriculture, the cultivation, management and study of individual trees, shrubs, vines, and woody plants. An Arborist carries out treatments for optimal tree health, managing pests, diseases, wounds and defects that impact trees and woody plants.

4.6.3. OHS training components in curriculum standard

The curriculum standard consists of 720 hours of training, of which nearly 132 hours (~18% of total curriculum hours) is required for OHS training. The curriculum standard includes training components that align with 17 researcher-identified OHS topics: communication; ergonomics; hazard-electrical; hazard-fire; hazard-general; hazard-slips, trips, falls; hazard-temperature; hazard-tools/machines; housekeeping & cleanliness; ladders, scaffolds, platforms; legislation; lifting equipment; PPE; psychological; safe handling of equipment; safe handling of hazardous materials; and safe work processes. Hazard-general has the highest hours (~25% of total OHS training) whereas ladders, scaffolds, platforms has the lowest hours (<1% of total OHS training).

There is no information regarding prevention of workplace violence and harassment.

4.6.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 17 researcher-identified OHS topics: communication; driving safety; emergency preparedness; hazard-biological; hazard-chemical; hazard-electrical; hazard-fire; hazard-general; hazard-slips, trips, falls; hazard-temperature; hazard-tools/machines; legislation; lifting equipment; PPE; safe handling of equipment; safe handling of hazardous materials; and safe work processes.

We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

Four OHS topics (ergonomics; housekeeping & cleanliness; ladders, scaffolds, platforms; and psychological) were identified only in the curriculum standard but not in the apprenticeship standard. On the other hand, four OHS topics (driving safety, emergency preparedness, hazard-biological, and hazard-chemical) were identified only in the apprenticeship standard but not in the curriculum standard.

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.6.5. Injury statistics

Based on the WSIB injury statistics, there were 723 accepted lost-time claims reported from 2015-2020. The most common claims are MSD (~34% of total claims), struck by object (~19% of total claims), fall on same level (~11% of total claims), struck against object (~7% of total claims), and fall to lower level (~5% of total claims) (Annex A). The average cost of claim was approximately \$8,481. The average cost of claim for each injury type ranged from \$155 to \$166,911 (Annex A). The total days lost across all claims was 25,760. The total days lost for each injury type ranged from 0 to 6,412 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The

average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.6.6. Gap analysis in curriculum standard

According to our gap analysis, there is a high number of claims across the injury types that were a priori linked to ergonomics (~34% of total claims), housekeeping & cleanliness (~46% of total claims), and safe handling of equipment (~33% of total claims); however, the curriculum standard includes low number of hours for training components that align with the topics (Figure 4.6.1). We also found moderate number of claims across the injury types that were a priori linked to hazard-slips, trips, falls (~20% of total claims) and hazard-tools/machines (~30% of total claims), but the curriculum standard includes low number of hours for training components that align with the topics (Figure 4.6.1). Therefore, there are significant gaps in ergonomics; housekeeping & cleanliness; safe handling of equipment; hazard-slips, trips, falls; and hazard-tools/machines training that need to be addressed.



Figure 4.6.1: Heat map of the number of each OHS topic hours and sum of claims of injury types linked to the OHS topic for each trade. OHS topic hours are presented as a percentage of the total OHS training. Sum of claims is presented as a percentage of the total claims. The following OHS topics were identified in the curriculum standard but are not presented on the heatmap because we did not make a priori links to any injury type: communication (Low; 1%), hazard-fire (Low; 3%), and legislation (Low; 4%). OHS topics that were not identified in the curriculum standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.6.7. Gap analysis in apprenticeship standard

Based on our gap analysis, there is a high number of claims across the injury types that were a priori linked to ergonomics (~34% of total claims) and housekeeping & cleanliness (~46% of total claims); however, the apprenticeship standard does not include training components that align with the topics (Figure 4.6.2). We also found high number of claims across the injury types that were a priori linked to PPE (~33% of total claims) and safe handling of equipment (~33% of total claims) although the apprenticeship standard includes training components that align with the topics (Figure 4.6.2). Therefore, there are significant gaps in ergonomics, housekeeping & cleanliness, PPE, and safe handling of equipment training that need to be addressed.

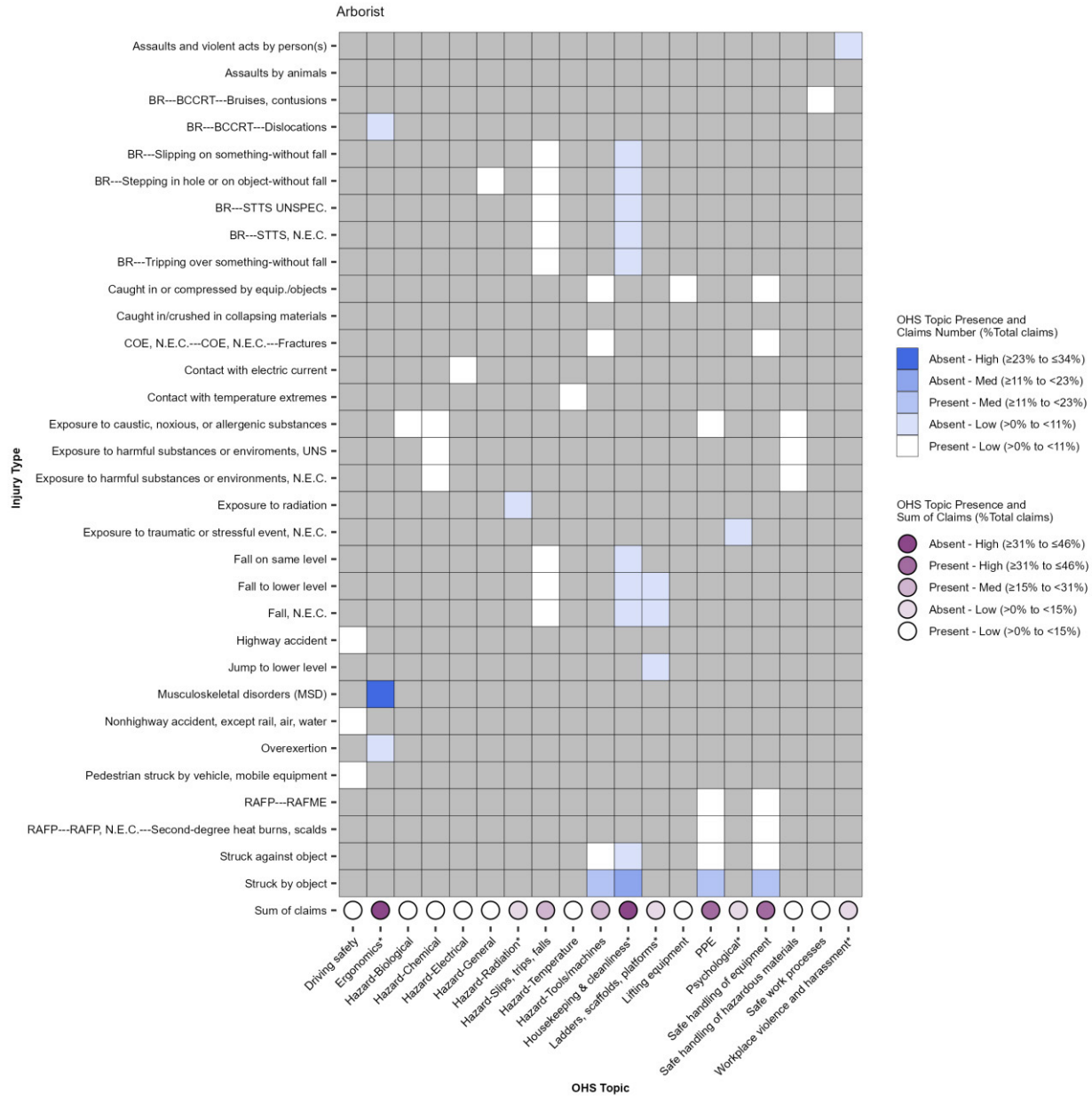


Figure 4.6.2: Heat map of the presence of each OHS topic and sum of claims of injury types linked to the OHS topic. Sum of claims in each trade is presented as a percentage of the total claims. The following OHS topics were identified in the apprenticeship standard but are not presented on the heatmap because we did not make a priori links to any injury type: communication, emergency preparedness, hazard-fire, and legislation. OHS topics that were not identified in the apprenticeship standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.6.8. Key takeaways

- Most common injury types: MSD, struck by object, fall on same level, struck against object, and fall to lower level. 60
- OHS training components in the curriculum and apprenticeship standards align with 17 and 17 researcher-identified OHS topics, respectively.
- There are significant gaps in ergonomics; housekeeping & cleanliness; safe handling of equipment; hazard-slips, trips, falls; and hazard-tools/machines training that need to be addressed in the curriculum standard. Additionally, there are significant gaps in ergonomics, housekeeping & cleanliness, PPE, and safe handling of equipment training that need to be addressed in the apprenticeship standard.
- Training related to prevention of workplace violence and harassment was absent in training standards.

4.7. Assistant Cook

4.7.1. Codes

Trade Code: 415B

NOC 2016: 6322

NOC 2021: 63200

SOC Code: 35-2012.00

CIP Code: 12.0505

4.7.2. Description

According to Skilled Trades Ontario, an Assistant Cook prepares and cooks a wide range of foods for public consumption in various settings such as restaurants and hotels.

4.7.3. OHS training components in curriculum standard

The curriculum standard consists of 360 hours of training, of which nearly 22 hours (~6% of total curriculum hours) is required for OHS training. The curriculum standard includes training components that align with 7 researcher-identified OHS topics: emergency preparedness, hazard-general, housekeeping & cleanliness, PPE, safe handling of equipment, safe handling of hazardous materials, and safe work processes. Housekeeping & cleanliness has the highest hours (~30% of total OHS training) whereas PPE has the lowest hours (~8% of total OHS training).

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.7.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 12 researcher-identified OHS topics: communication, hazard-biological, hazard-chemical, hazard-

electrical, hazard-fire, hazard-general, housekeeping & cleanliness, legislation, PPE, safe handling of equipment, safe handling of hazardous materials, and safe work processes.

We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

One OHS topic (emergency preparedness) was identified only in the curriculum standard but not in the apprenticeship standard. On the other hand, six OHS topics (communication, hazard-biological, hazard-chemical, hazard-electrical, hazard-fire, and legislation) were identified only in the apprenticeship standard but not in the curriculum standard.

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.7.5. Injury statistics

Based on the WSIB injury statistics, there were 5612 accepted lost-time claims reported from 2015-2020. The most common claims are struck by object (~30% of total claims), contact with temperature extremes (~18% of total claims), MSD (~17% of total claims), fall on same level (~12% of total claims), and struck against object (~7% of total claims) (Annex A). The average cost of claim was approximately \$3,951. The average cost of claim for each injury type ranged from \$0 to \$19,595 (Annex A). The total days lost across all claims was 128,582. The total days lost for each injury type ranged from 0 to 35,907 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.7.6. Gap analysis in curriculum standard

According to our gap analysis, there is a high number of claims across the injury types that were a priori linked to hazard-tools/machines (~41% of total claims); however, the

curriculum standard does not include training components that align with the topic (Figure 4.7.1). We also found high number of claims across the injury types that were a priori linked to PPE (~43% of total claims), but the curriculum standard includes low number of hours for training components that align with the topic (Figure 4.7.1). Therefore, there are significant gaps in hazard-tools/machines and PPE training that need to be addressed.



Figure 4.7.1: Heat map of the number of each OHS topic hours and sum of claims of injury types linked to the OHS topic for each trade. OHS topic hours are presented as a

percentage of the total OHS training. Sum of claims is presented as a percentage of the total claims. The following OHS topics were identified in the curriculum standard but are not presented on the heatmap because we did not make a priori links to any injury type: emergency preparedness (Low; 8%). OHS topics that were not identified in the curriculum standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.7.7. Gap analysis in apprenticeship standard

Based on our gap analysis, there is a high number of claims across the injury types that were a priori linked to hazard-tools/machines (~41% of total claims); however, the apprenticeship standard does not include training components that align with the topic (Figure 4.7.2). We also found high number of claims across the injury types that were a priori linked to housekeeping & cleanliness (~56% of total claims), PPE (~43% of total claims), and safe handling of equipment (~41% of total claims) although the apprenticeship standard includes training components that align with the topics (Figure 4.7.2). Therefore, there are significant gaps in hazard-tools/machines, housekeeping & cleanliness, PPE, and safe handling of equipment training that need to be addressed.

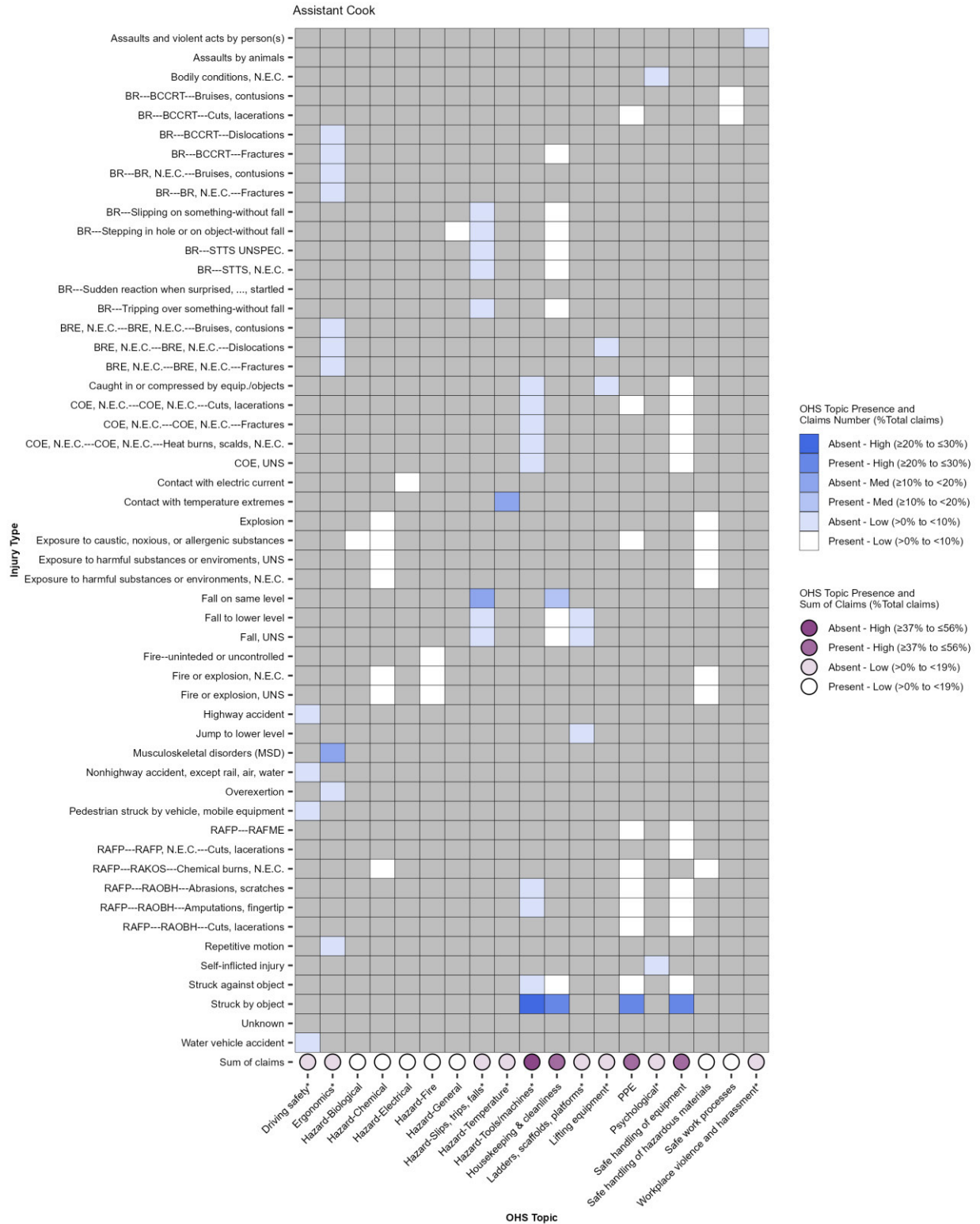


Figure 4.7.2: Heat map of the presence of each OHS topic and sum of claims of injury types linked to the OHS topic. Sum of claims in each trade is presented as a percentage of the

total claims. The following OHS topics were identified in the apprenticeship standard but are not presented on the heatmap because we did not make a priori links to any injury type: communication and legislation. OHS topics that were not identified in the apprenticeship standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.7.8. Key takeaways

- Most common injury types: struck by object, contact with temperature extremes, MSD, fall on same level, and struck against object. 67
- OHS training components in the curriculum and apprenticeship standards align with 7 and 12 researcher-identified OHS topics, respectively.
- There are significant gaps in hazard-tools/machines and PPE training that need to be addressed in the curriculum standard. Additionally, there are significant gaps in hazard-tools/machines, housekeeping & cleanliness, PPE, and safe handling of equipment training that need to be addressed in the apprenticeship standard.
- Mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment were absent in training standards.

4.8. Baker

4.8.1. Codes

Trade Code: 423A

NOC 2016: 6332

NOC 2021: 63202

SOC Code: 51-3011.00

CIP Code: 12.0501

4.8.2. Description

According to Skilled Trades Ontario, a Baker prepares and bakes pies, tarts, squares, bread, rolls, cookies, cakes and other items for commercial and retail establishments as well as restaurants

4.8.3. OHS training components in curriculum standard

The curriculum standard consists of 720 hours of training, of which nearly 5 hours (~1% of total curriculum hours) is required for OHS training. The curriculum standard includes training components that align with 8 researcher-identified OHS topics: communication, emergency preparedness, hazard-fire, housekeeping & cleanliness, legislation, lockout/tag out, PPE, and safe handling of hazardous materials. Housekeeping & cleanliness has the highest hours (~26% of total OHS training) whereas lockout/tag out and safe handling of hazardous materials have the lowest hours (~5% of total OHS training).

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.8.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 11 researcher-identified OHS topics: communication, hazard-biological, hazard-chemical, hazard-

electrical, hazard-fire, housekeeping & cleanliness, legislation, PPE, safe handling of equipment, safe handling of hazardous materials, and safe work processes.

We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

Two OHS topics (emergency preparedness and lockout/tag out) were identified only in the curriculum standard but not in the apprenticeship standard. On the other hand, five OHS topics (hazard-biological, hazard-chemical, hazard-electrical, safe handling of equipment, and safe work processes) were identified only in the apprenticeship standard but not in the curriculum standard.

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.8.5. Injury statistics

Based on the WSIB injury statistics, there were 1113 accepted lost-time claims reported from 2015-2020. The most common claims are MSD (~30% of total claims), struck by object (~22% of total claims), fall on same level (~18% of total claims), struck against object (~7% of total claims), and caught in or compressed by equip./objects (~6% of total claims) (Annex A). The average cost of claim was approximately \$7,019. The average cost of claim for each injury type ranged from \$139 to \$69,931 (Annex A). The total days lost across all claims was 35,784. The total days lost for each injury type ranged from 3 to 11,778 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.8.6. Gap analysis in curriculum standard

According to our gap analysis, there is a moderate number of claims across the injury types that were a priori linked to ergonomics (~31% of total claims); hazard-slips, trips, falls (~25% of total claims); hazard-tools/machines (~35% of total claims); and safe handling of equipment (~35% of total claims); however, the curriculum standard does not include training components that align with the topics (Figure 4.8.1). Therefore, there are significant gaps in ergonomics; hazard-slips, trips, falls; hazard-tools/machines; and safe handling of equipment training that need to be addressed.

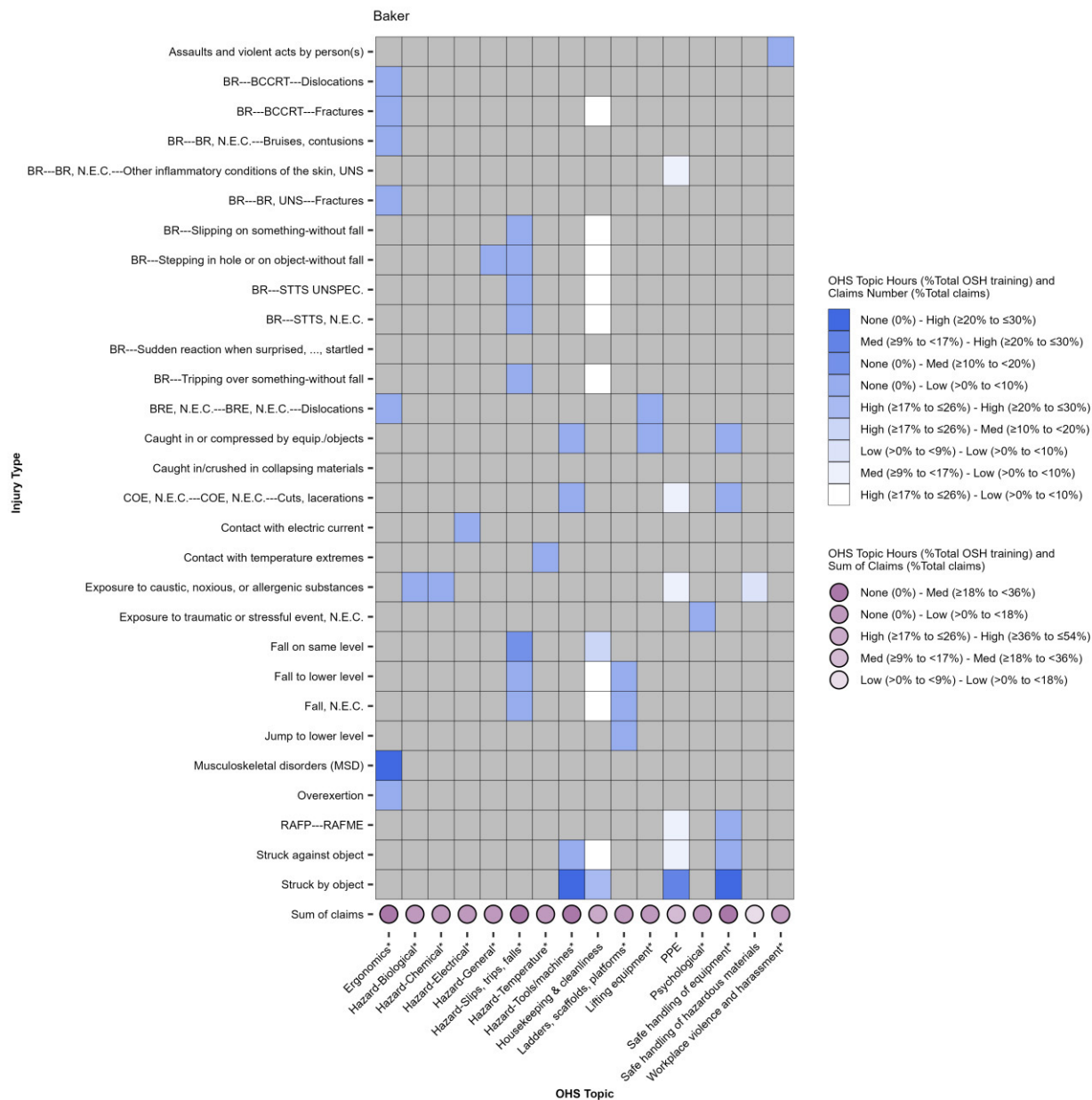


Figure 4.8.1: Heat map of the number of each OHS topic hours and sum of claims of injury types linked to the OHS topic for each trade. OHS topic hours are presented as a percentage of the total OHS training. Sum of claims is presented as a percentage of the total claims. The following OHS topics were identified in the curriculum standard but are not presented on the heatmap because we did not make a priori links to any injury type: communication (Med; 14%), emergency preparedness (Low; 7%), hazard-fire (Low; 7%), legislation (High; 21%), and lockout/tag out (Low; 5%). OHS topics that were not identified in the curriculum standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.8.7. Gap analysis in apprenticeship standard

Based on our gap analysis, there is a high number of claims across the injury types that were a priori linked to housekeeping & cleanliness (~54% of total claims) although the apprenticeship standard includes training components that align with the topic (Figure 4.8.2). We also found moderate number of claims across the injury types that were a priori linked to ergonomics (~31% of total claims); hazard-slips, trips, falls (~25% of total claims); and hazard-tools/machines (~35% of total claims), but the apprenticeship standard does not include training components that align with the topics (Figure 4.8.2). Therefore, there are significant gaps in housekeeping & cleanliness; ergonomics; hazard-slips, trips, falls; and hazard-tools/machines training that need to be addressed.



Figure 4.8.2: Heat map of the presence of each OHS topic and sum of claims of injury types linked to the OHS topic. Sum of claims in each trade is presented as a percentage of the total claims. The following OHS topics were identified in the apprenticeship standard but are not presented on the heatmap because we did not make a priori links to any injury type: communication, hazard-fire, legislation, and safe work processes. OHS topics that were not identified in the apprenticeship standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.8.8. Key takeaways

- Most common injury types: MSD, struck by object, fall on same level, struck against object, and caught in or compressed by equip./objects. 73
- OHS training components in the curriculum and apprenticeship standards align with 8 and 11 researcher-identified OHS topics, respectively.
- There are significant gaps in ergonomics; hazard-slips, trips, falls; hazard-tools/machines; and safe handling of equipment training that need to be addressed in the curriculum standard. Additionally, there are significant gaps in housekeeping & cleanliness; ergonomics; hazard-slips, trips, falls; and hazard-tools/machines training that need to be addressed in the apprenticeship standard.
- Mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment were absent in training standards.

4.9. Baker-Pâtissier

RED SEAL

4.9.1. Codes

Trade Code: 423C

NOC 2016: 6332

NOC 2021: 63202

SOC Code: 51-3011.00

CIP Code: 12.0501

4.9.2. Description

According to Skilled Trades Ontario, a Baker-Pâtissier prepares and bakes pies, tarts, squares, bread, rolls, cookies, cakes and other items for commercial and retail establishments as well as restaurants.

4.9.3. OHS training components in curriculum standard

The curriculum standard consists of 870 hours of training, of which nearly 5 hours (~1% of total curriculum hours) is required for OHS training. The curriculum standard includes training components that align with 8 researcher-identified OHS topics: communication, emergency preparedness, hazard-fire, housekeeping & cleanliness, legislation, lockout/tag out, PPE, and safe handling of hazardous materials. Housekeeping & cleanliness has the highest hours (~26% of total OHS training) whereas lockout/tag out and safe handling of hazardous materials have the lowest hours (~5% of total OHS training).

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.9.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 11 researcher-identified OHS topics: communication, hazard-biological, hazard-chemical, hazard-

electrical, hazard-fire, housekeeping & cleanliness, legislation, PPE, safe handling of equipment, safe handling of hazardous materials, and safe work processes.

We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

Two OHS topics (emergency preparedness and lockout/tag out) were identified only in the curriculum standard but not in the apprenticeship standard. On the other hand, five OHS topics (hazard-biological, hazard-chemical, hazard-electrical, safe handling of equipment, and safe work processes) were identified only in the apprenticeship standard but not in the curriculum standard.

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.9.5. Injury statistics

Based on the WSIB injury statistics, there were 1113 accepted lost-time claims reported from 2015-2020. The most common claims are MSD (~30% of total claims), struck by object (~22% of total claims), fall on same level (~18% of total claims), struck against object (~7% of total claims), and caught in or compressed by equip./objects (~6% of total claims) (Annex A). The average cost of claim was approximately \$7,019. The average cost of claim for each injury type ranged from \$139 to \$69,931 (Annex A). The total days lost across all claims was 35,784. The total days lost for each injury type ranged from 3 to 11,778 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.9.6. Gap analysis in curriculum standard

According to our gap analysis, there is a moderate number of claims across the injury types that were a priori linked to ergonomics (~31% of total claims); hazard-slips, trips, falls (~25% of total claims); hazard-tools/machines (~35% of total claims); and safe handling of equipment (~35% of total claims); however, the curriculum standard does not include training components that align with the topics (Figure 4.9.1). Therefore, there are significant gaps in ergonomics; hazard-slips, trips, falls; hazard-tools/machines; and safe handling of equipment training that need to be addressed.

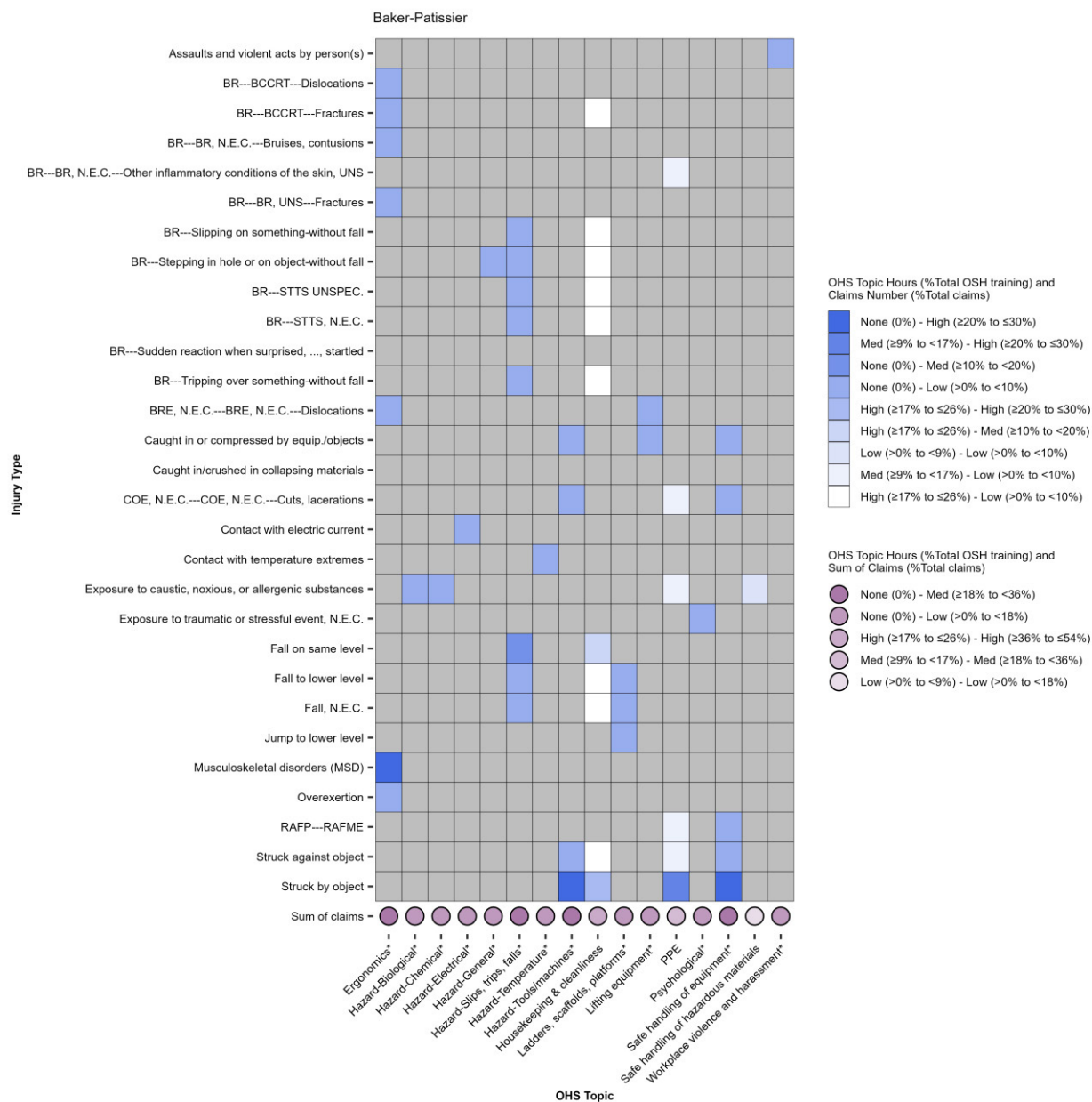


Figure 4.9.1: Heat map of the number of each OHS topic hours and sum of claims of injury types linked to the OHS topic for each trade. OHS topic hours are presented as a percentage of the total OHS training. Sum of claims is presented as a percentage of the total claims. The following OHS topics were identified in the curriculum standard but are not presented on the heatmap because we did not make a priori links to any injury type: communication (Med; 14%), emergency preparedness (Low; 7%), hazard-fire (Low; 7%), legislation (High; 21%), and lockout/tag out (Low; 5%). OHS topics that were not identified in the curriculum standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.9.7. Gap analysis in apprenticeship standard

Based on our gap analysis, there is a high number of claims across the injury types that were a priori linked to housekeeping & cleanliness (~54% of total claims) although the apprenticeship standard includes training components that align with the topic (Figure 4.9.2). We also found moderate number of claims across the injury types that were a priori linked to ergonomics (~31% of total claims); hazard-slips, trips, falls (~25% of total claims); and hazard-tools/machines (~35% of total claims), but the apprenticeship standard does not include training components that align with the topics (Figure 4.9.2). Therefore, there are significant gaps in housekeeping & cleanliness; ergonomics; hazard-slips, trips, falls; and hazard-tools/machines training that need to be addressed.

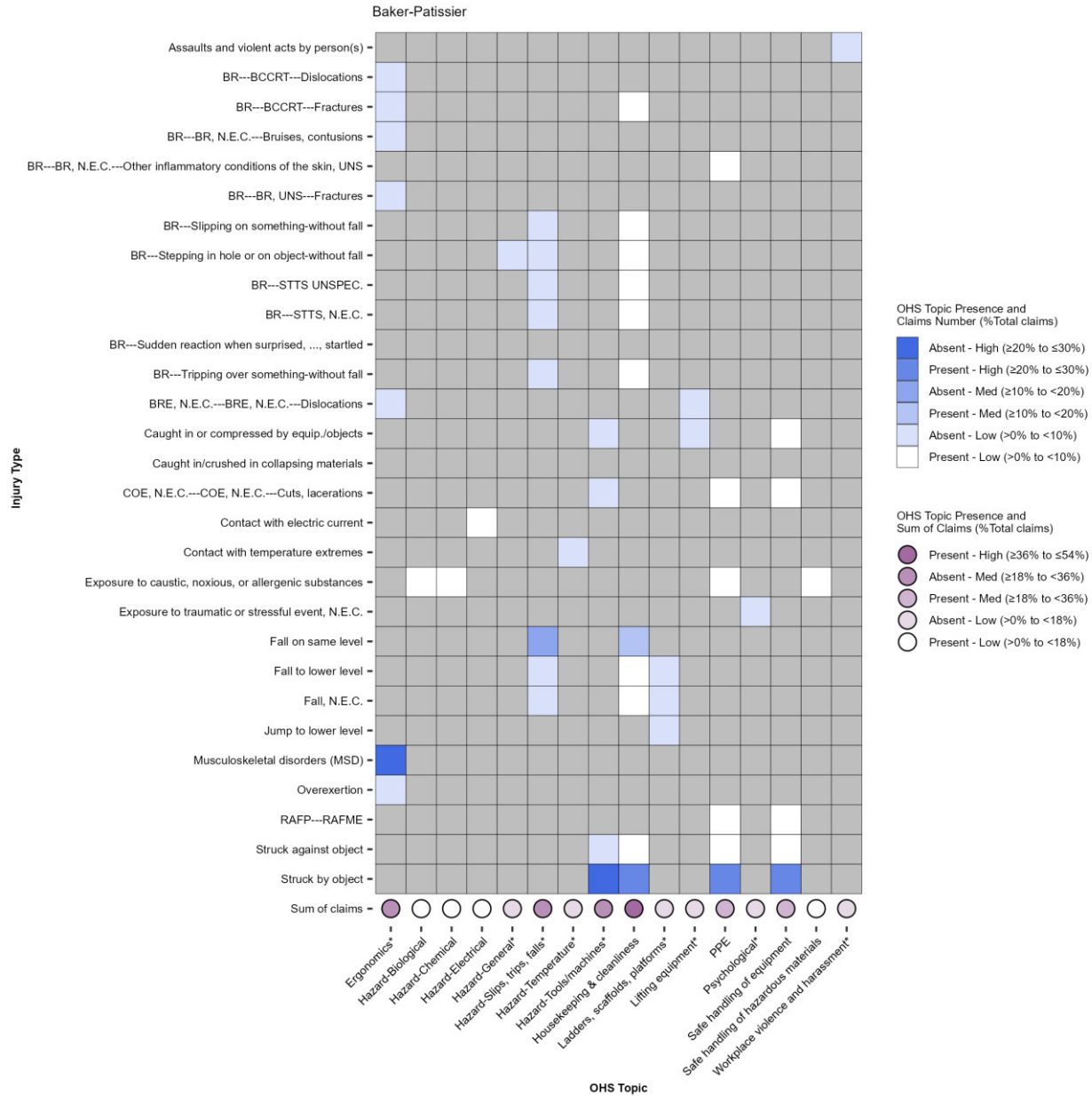


Figure 4.9.2: Heat map of the presence of each OHS topic and sum of claims of injury types linked to the OHS topic. Sum of claims in each trade is presented as a percentage of the total claims. The following OHS topics were identified in the apprenticeship standard but are not presented on the heatmap because we did not make a priori links to any injury type: communication, hazard-fire, legislation, and safe work processes. OHS topics that were not identified in the apprenticeship standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.9.8. Key takeaways

- Most common injury types: MSD, struck by object, fall on same level, struck against object, and caught in or compressed by equip./objects. 79
- OHS training components in the curriculum and apprenticeship standards align with 8 and 11 researcher-identified OHS topics, respectively.
- There are significant gaps in ergonomics; hazard-slips, trips, falls; hazard-tools/machines; and safe handling of equipment training that need to be addressed in the curriculum standard. Additionally, there are significant gaps in housekeeping & cleanliness; ergonomics; hazard-slips, trips, falls; and hazard-tools/machines training that need to be addressed in the apprenticeship standard.
- Mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment were absent in training standards.

4.10. Bicycle Mechanic

4.10.1. Codes

Trade Code: 297C

NOC 2016: 7445

NOC 2021: 73209

SOC Code: 49-3091.00

CIP Code: 47.061

4.10.2. Description

This trade is not listed on the Skilled Trades Ontario website.

4.10.3. OHS training components in curriculum standard

This trade program does not include a curriculum standard.

4.10.4. OHS training components in apprenticeship standard

This trade program does not include an apprenticeship standard.

4.10.5. Injury statistics

Based on the WSIB injury statistics, there were 1179 accepted lost-time claims reported from 2015-2020. The most common claims are MSD (~34% of total claims), struck by object (~18% of total claims), fall on same level (~11% of total claims), struck against object (~7% of total claims), and fall to lower level (~6% of total claims) (Annex A). The average cost of claim was approximately \$9,709. The average cost of claim for each injury type ranged from \$190 to \$37,318 (Annex A). The total days lost across all claims was 44,318. The total days lost for each injury type ranged from 0 to 13,424 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.10.6. Gap analysis in curriculum standard

We could not conduct gap analysis in curriculum standard because this trade program does not include a curriculum standard.

4.10.7. Gap analysis in apprenticeship standard

We could not conduct gap analysis in apprenticeship standard because this trade program does not include an apprenticeship standard.

4.10.8. Key takeaway

- Most common injury types: MSD, struck by object, fall on same level, struck against object, and fall to lower level.

4.11. Chef

4.11.1. Codes

Trade Code: 415C

NOC 2016: 6321

NOC 2021: 62200

SOC Code: 35-1011.00

CIP Code: 12.0503

4.11.2. Description

According to Skilled Trades Ontario, a Chef works in restaurants, hotels, entertainment clubs, country clubs, spas, bistros and other assorted eateries; and demonstrates knowledge of food preparation and presentation, menu management, sanitation and food safety, and the use of wines, liquors and spirits in cooking.

4.11.3. OHS training components in curriculum standard

The curriculum standard consists of 360 hours of training, of which nearly 28 hours (~8% of total curriculum hours) is required for OHS training. The curriculum standard includes training components that align with 7 researcher-identified OHS topics: hazard-biological, hazard-chemical, housekeeping & cleanliness, legislation, safe handling of equipment, safe handling of hazardous materials, and safe work processes. Housekeeping & cleanliness has the highest hours (~33% of total OHS training) whereas safe handling of equipment has the lowest hours (~2% of total OHS training).

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.11.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 5 researcher-identified OHS topics: hazard-biological, housekeeping & cleanliness, legislation, safe handling of hazardous materials, and safe work processes.

We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

Two OHS topics (hazard-chemical and safe handling of equipment) were identified only in the curriculum standard but not in the apprenticeship standard.

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.11.5. Injury statistics

Based on the WSIB injury statistics, there were 629 accepted lost-time claims reported from 2015-2020. The most common claims are struck by object (~27% of total claims), MSD (~20% of total claims), fall on same level (~15% of total claims), contact with temperature extremes (~13% of total claims), and struck against object (~7% of total claims) (Annex A). The average cost of claim was approximately \$5,808. The average cost of claim for each injury type ranged from \$78 to \$12,596 (Annex A). The total days lost across all claims was 20,235. The total days lost for each injury type ranged from 1 to 5,681 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.11.6. Gap analysis in curriculum standard

According to our gap analysis, there is a high number of claims across the injury types that were a priori linked to hazard-tools/machines (~39% of total claims); however, the curriculum standard does not include training components that align with the topic (Figure

4.11.1). We also found high number of claims across the injury types that were a priori linked to safe handling of equipment (~39% of total claims), but the curriculum standard includes low number of hours for training components that align with the topic (Figure 4.11.1). Therefore, there are significant gaps in hazard-tools/machines and safe handling of equipment training that need to be addressed.

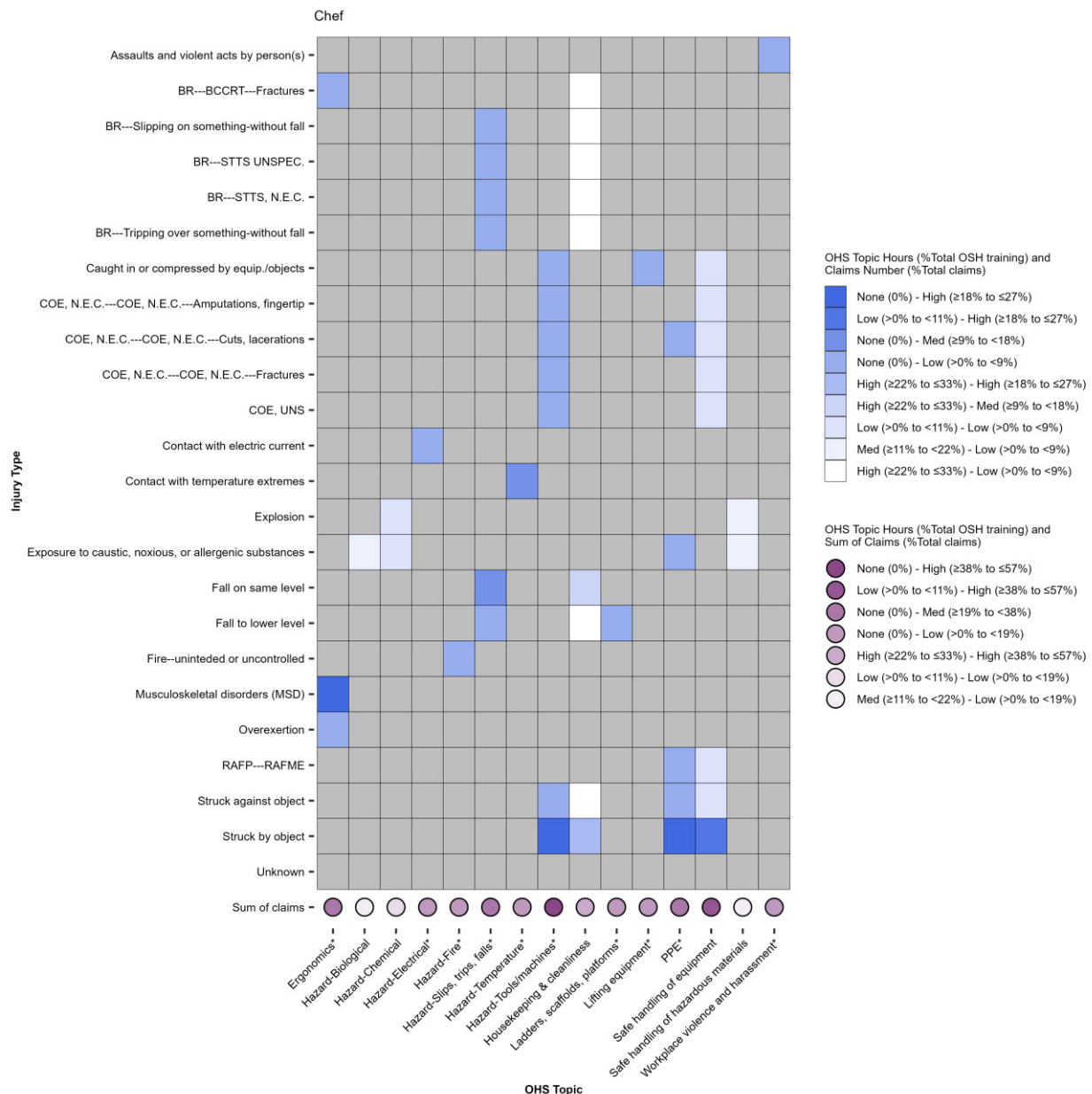


Figure 4.11.1: Heat map of the number of each OHS topic hours and sum of claims of injury types linked to the RAFP topic for each trade. OHS topic hours are presented as a

percentage of the total OHS training. Sum of claims is presented as a percentage of the total claims. The following OHS topics were identified in the curriculum standard but are not presented on the heatmap because we did not make a priori links to any injury type: legislation (Low; 10%) and safe work processes (Low; 10%). OHS topics that were not identified in the curriculum standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.11.7. Gap analysis in apprenticeship standard

Based on our gap analysis, there is a high number of claims across the injury types that were a priori linked to hazard-tools/machines (~39% of total claims) and safe handling of equipment (~39% of total claims); however, the apprenticeship standard does not include training components that align with the topics (Figure 4.11.2). We also found high number of claims across the injury types that were a priori linked to housekeeping & cleanliness (~57% of total claims) although the apprenticeship standard includes training components that align with the topic (Figure 4.11.2). Therefore, there are significant gaps in hazard-tools/machines, safe handling of equipment, and housekeeping & cleanliness training that need to be addressed.

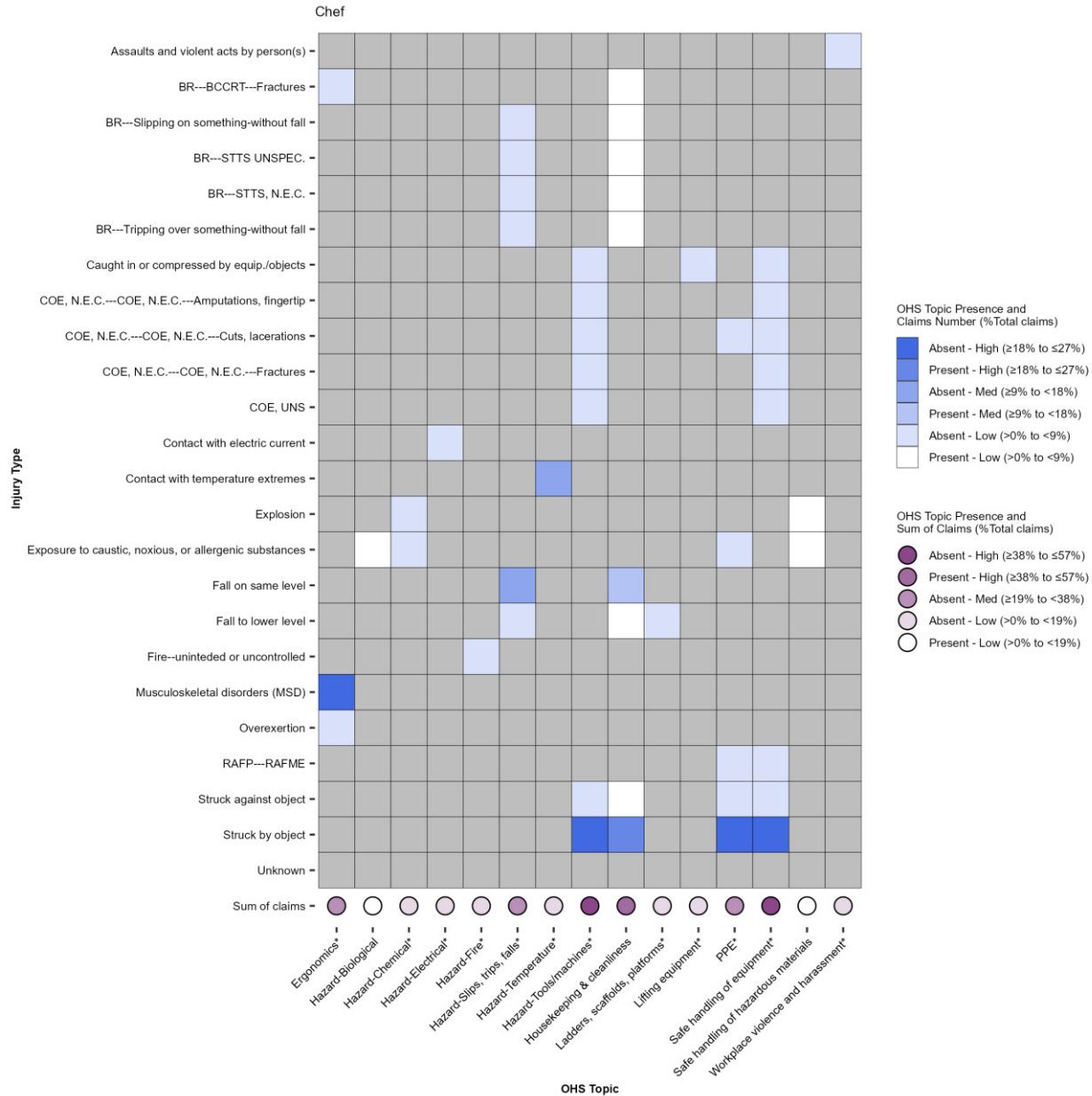


Figure 4.11.2: Heat map of the presence of each OHS topic and sum of claims of injury types linked to the OHS topic. Sum of claims in each trade is presented as a percentage of the total claims. The following OHS topics were identified in the apprenticeship standard but are not presented on the heatmap because we did not make a priori links to any injury type: legislation and safe work processes. OHS topics that were not identified in the apprenticeship standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.11.8. Key takeaways

- Most common injury types: struck by object, MSD, fall on same level, contact with temperature extremes, and struck against object. 87
- OHS training components in the curriculum and apprenticeship standards align with 7 and 5 researcher-identified OHS topics, respectively.
- There are significant gaps in hazard-tools/machines and safe handling of equipment training that need to be addressed in the curriculum standard. Additionally, there are significant gaps in hazard-tools/machines, safe handling of equipment, and housekeeping & cleanliness training that need to be addressed in the apprenticeship standard.
- Mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment were absent in training standards.

4.12. Child and Youth Worker

4.12.1. Codes

Trade Code: 620A

NOC 2016: 4212

NOC 2021: 42201

SOC Code: 21-1021.00

CIP Code: 44.0702

4.12.2. Description

According to Skilled Trades Ontario, a Child and Youth Worker works to improve the physical, emotional, intellectual and social development of vulnerable children, youth and families. They focus on the growth and development of children and youth based on direct, day-to-day work with children and youth in their environment and develop relationships with children, their families, their communities and other inter-disciplinary team members.

4.12.3. OHS training components in curriculum standard

The curriculum standard consists of 960 hours of training, of which nearly 100 hours (~10% of total curriculum hours) is required for OHS training. The curriculum standard includes training components that align with 6 researcher-identified OHS topics: housekeeping & cleanliness, legislation, psychological, psychosocial, safe work processes, and workplace violence and harassment. Psychological and psychosocial have the highest hours (~39% of total OHS training) whereas workplace violence and harassment has the lowest hours (~4% of total OHS training).

4.12.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 6 researcher-identified OHS topics: emergency preparedness, hazard-general, legislation, psychosocial, safe work processes, and workplace violence and harassment.

We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

Two OHS topics (housekeeping & cleanliness and psychological) were identified only in the curriculum standard but not in the apprenticeship standard. On the other hand, two OHS topics (emergency preparedness and hazard-general) were identified only in the apprenticeship standard but not in the curriculum standard.

4.12.5. Injury statistics

Based on the WSIB injury statistics, there were 4631 accepted lost-time claims reported from 2015-2020. The most common claims are assaults and violent acts by person(s) (~31% of total claims), MSD (~22% of total claims), fall on same level (~16% of total claims), struck by object (~6% of total claims), and exposure to caustic, noxious, or allergenic substances (~6% of total claims) (Annex A). The average cost of claim was approximately \$10,469. The average cost of claim for each injury type ranged from \$80 to \$113,174 (Annex A). The total days lost across all claims was 182,711. The total days lost for each injury type ranged from 0 to 78,007 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.12.6. Gap analysis in curriculum standard

According to our gap analysis, there is a high number of claims across the injury types that were a priori linked to ergonomics (~22% of total claims) and hazard-slips, trips, falls (~23% of total claims); however, the curriculum standard does not include training components that align with the topics (Figure 4.12.1). We also found high number of claims across the injury types that were a priori linked to housekeeping & cleanliness (~32% of total claims) and workplace violence and harassment (~31% of total claims), but the curriculum standard

includes low number of hours for training components that align with the topics (Figure 4.12.1). Therefore, there are significant gaps in ergonomics; hazard-slips, trips, falls; housekeeping & cleanliness; and workplace violence and harassment training that need to be addressed.



Figure 4.12.1: Heat map of the number of each OHS topic hours and sum of claims of injury types linked to the OHS topic for each trade. OHS topic hours are presented as a

percentage of the total OHS training. Sum of claims is presented as a percentage of the total claims. The following OHS topics were identified in the curriculum standard but are not presented on the heatmap because we did not make a priori links to any injury type: legislation (Low; 6%) and psychosocial (High; 39%). OHS topics that were not identified in the curriculum standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.12.7. Gap analysis in apprenticeship standard

Based on our gap analysis, there is a high number of claims across the injury types that were a priori linked to ergonomics (~22% of total claims); hazard-slips, trips, falls (~23% of total claims); and housekeeping & cleanliness (~32% of total claims); however, the apprenticeship standard does not include training components that align with the topics (Figure 4.12.2). We also found high number of claims across the injury types that were a priori linked to workplace violence and harassment (~31% of total claims) although the apprenticeship standard includes training components that align with the topic (Figure 4.12.2). Therefore, there are significant gaps in ergonomics; hazard-slips, trips, falls; housekeeping & cleanliness; and workplace violence and harassment training that need to be addressed.



Figure 4.12.2: Heat map of the presence of each OHS topic and sum of claims of injury types linked to the OHS topic. Sum of claims in each trade is presented as a percentage of the

total claims. The following OHS topics were identified in the apprenticeship standard but are not presented on the heatmap because we did not make a priori links to any injury type: emergency preparedness, legislation, and psychosocial. OHS topics that were not identified in the apprenticeship standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.12.8. Key takeaways

- Most common injury types: assaults and violent acts by person(s), MSD, fall on same level, struck by object, and exposure to caustic, noxious, or allergenic substances. 94
- OHS training components in the curriculum and apprenticeship standards align with 6 and 6 researcher-identified OHS topics, respectively.
- There are significant gaps in ergonomics; hazard-slips, trips, falls; housekeeping & cleanliness; and workplace violence and harassment training that need to be addressed in both training standards.

4.13. Child Development Practitioner

4.13.1. Codes

Trade Code: 620C

NOC 2016: 4214

NOC 2021: 42202

SOC Code: 25-2011.00

CIP Code: 19.0706

4.13.2. Description

According to Skilled Trades Ontario, a Child Development Practitioner (CDP) plans and implements age-appropriate service, supports and programs for children that facilitate physical, social, emotional and cognitive growth. CDPs deliver services in multiple settings, including, but not limited to, childcare centres/facilities, the preschool sections of hospitals and schools, and Ontario Early Years Centres.

4.13.3. OHS training components in curriculum standard

The curriculum standard consists of 750 hours of training, of which nearly 112 hours (~15% of total curriculum hours) is required for OHS training. The curriculum standard includes training components that align with 11 researcher-identified OHS topics: communication, emergency preparedness, hazard-chemical, hazard-general, housekeeping & cleanliness, legislation, psychological, psychosocial, safe handling of hazardous materials, safe work processes, and workplace violence and harassment. Safe work processes has the highest hours (~42% of total OHS training) whereas hazard-chemical, hazard-general, and safe handling of hazardous materials have the lowest hours (~1% of total OHS training).

4.13.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 15 researcher-identified OHS topics: communication; emergency preparedness; ergonomics; hazard-

biological; hazard-chemical; hazard-fire; hazard-general; hazard-slips, trips, falls; housekeeping & cleanliness; legislation; PPE; psychological; safe handling of equipment; safe handling of hazardous materials; and safe work processes.

We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

Two OHS topics (psychosocial and workplace violence and harassment) were identified only in the curriculum standard but not in the apprenticeship standard. On the other hand, six OHS topics (ergonomics; hazard-biological; hazard-fire; hazard-slips, trips, falls; PPE; and safe handling of equipment) were identified only in the apprenticeship standard but not in the curriculum standard.

There is no information regarding prevention of workplace violence and harassment.

4.13.5. Injury statistics

Based on the WSIB injury statistics, there were 2811 accepted lost-time claims reported from 2015-2020. The most common claims are fall on same level (~28% of total claims), MSD (~26% of total claims), struck by object (~12% of total claims), assaults and violent acts by person(s) (~9% of total claims), and exposure to caustic, noxious, or allergenic substances (~7% of total claims) (Annex A). The average cost of claim was approximately \$4,161. The average cost of claim for each injury type ranged from \$74 to \$101,288 (Annex A). The total days lost across all claims was 48,664. The total days lost for each injury type ranged from 0 to 17,611 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.13.6. Gap analysis in curriculum standard

According to our gap analysis, there is a high number of claims across the injury types that were a priori linked to housekeeping & cleanliness (~56% of total claims); however, the curriculum standard includes low number of hours for training components that align with the topic (Figure 4.13.1). We also found moderate number of claims across the injury types that were a priori linked to ergonomics (~26% of total claims); hazard-slips, trips, falls (~37% of total claims); hazard-tools/machines (~19% of total claims); PPE (~26% of total claims); and safe handling of equipment (~19% of total claims), but the curriculum standard does not include training components that align with the topics (Figure 4.13.1). Therefore, there are significant gaps in housekeeping & cleanliness; ergonomics; hazard-slips, trips, falls; hazard-tools/machines; PPE; and safe handling of equipment training that need to be addressed.

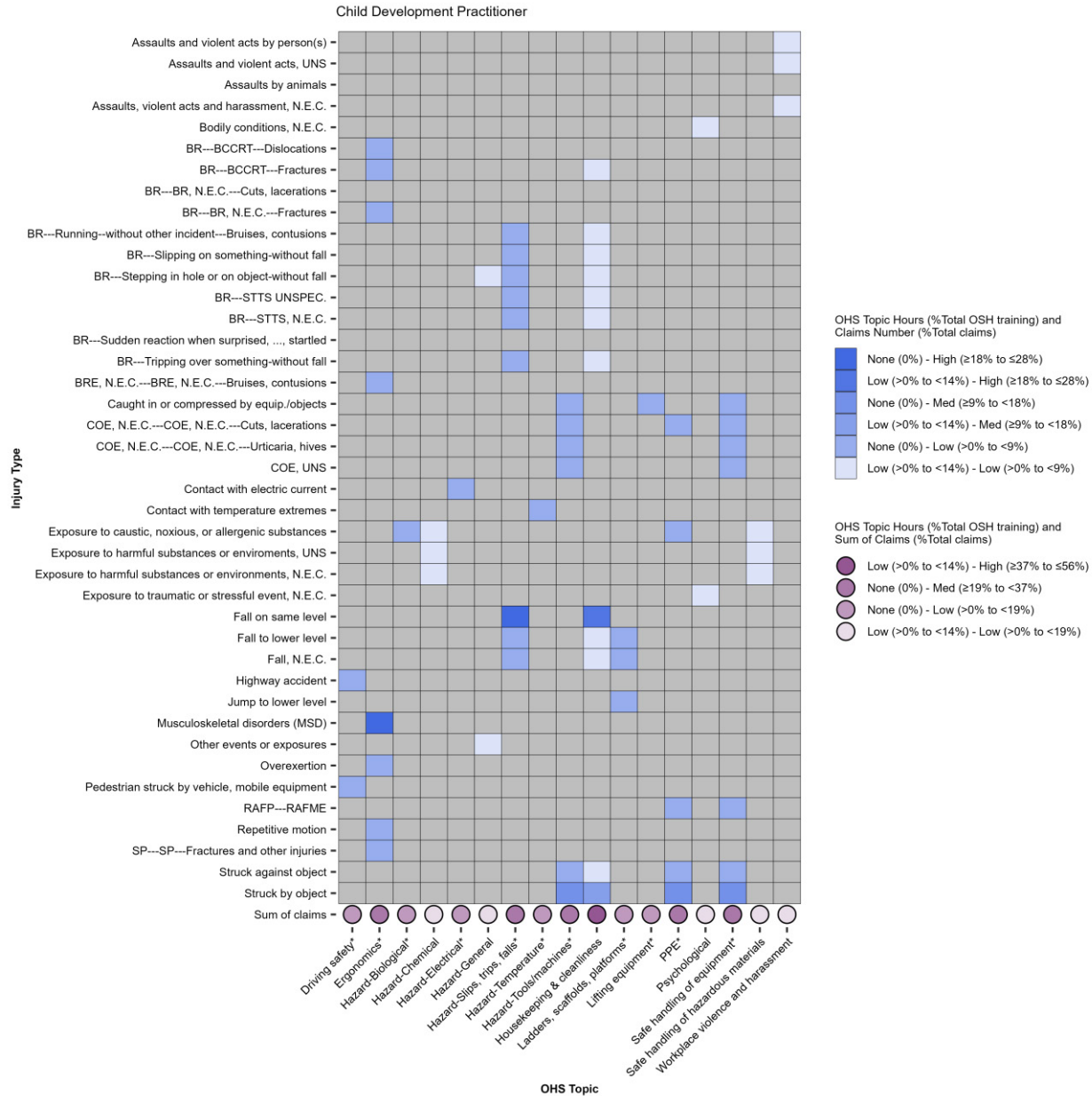


Figure 4.13.1: Heat map of the number of each OHS topic hours and sum of claims of injury types linked to the OHS topic for each trade. OHS topic hours are presented as a percentage of the total OSH training. Sum of claims is presented as a percentage of the total claims. The following OHS topics were identified in the curriculum standard but are not presented on the heatmap because we did not make a priori links to any injury type: communication (Low; 5%), emergency preparedness (Low; 10%), legislation (Med; 17%), psychosocial (Low; 4%), and safe work processes (High; 42%). OHS topics that were not

identified in the curriculum standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.13.7. Gap analysis in apprenticeship standard

Based on our gap analysis, there is a high number of claims across the injury types that were a priori linked to housekeeping & cleanliness (~56% of total claims) although the apprenticeship standard includes training components that align with the topic (Figure 4.13.2). We also found moderate number of claims across the injury types that were a priori linked to hazard-tools/machines (~19% of total claims), but the apprenticeship standard does not include training components that align with the topic (Figure 4.13.2). Therefore, there are significant gaps in housekeeping & cleanliness and hazard-tools/machines training that need to be addressed.

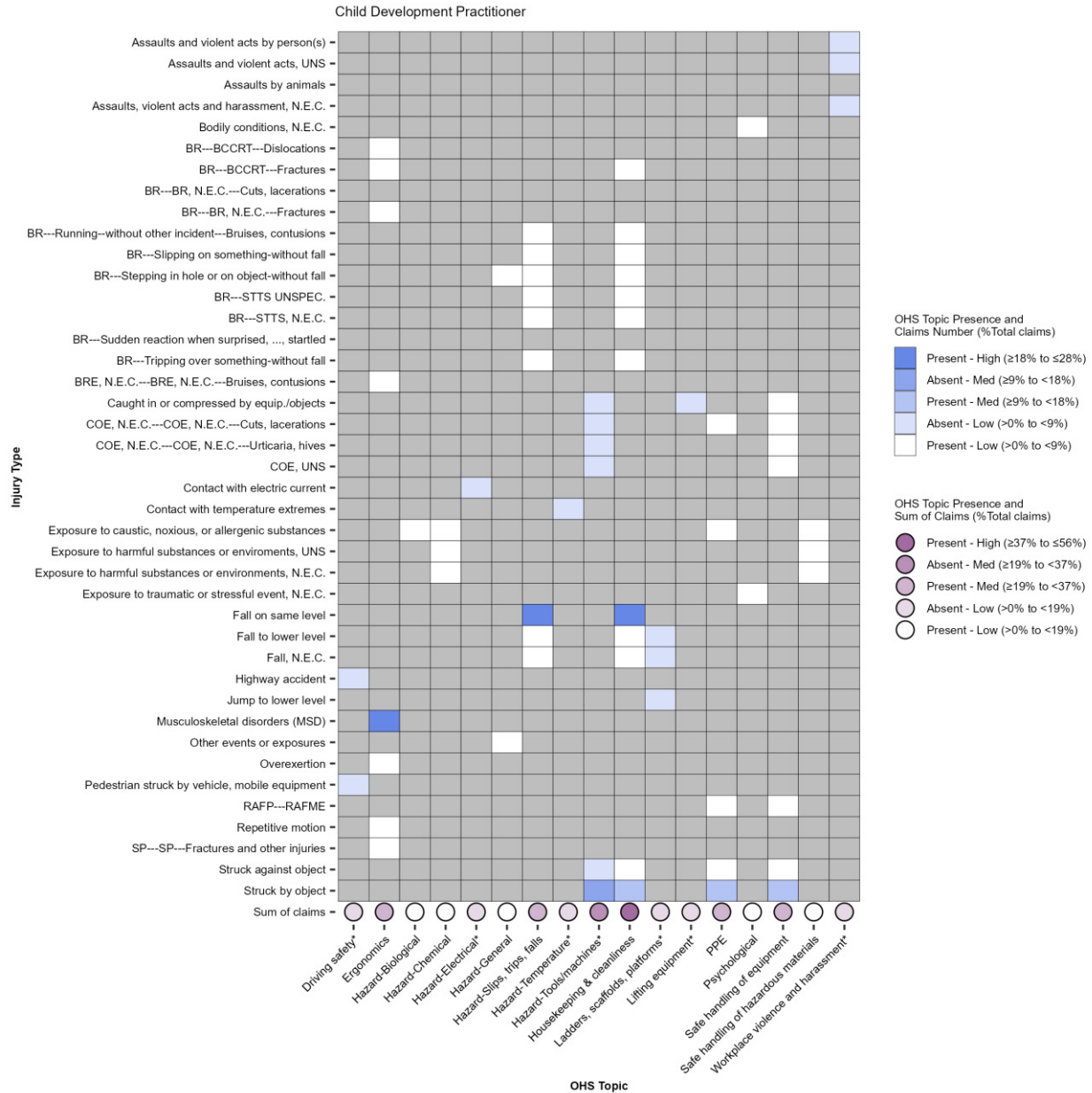


Figure 4.13.2: Heat map of the presence of each OHS topic and sum of claims of injury types linked to the OHS topic. Sum of claims in each trade is presented as a percentage of the total claims. The following OHS topics were identified in the apprenticeship standard but are not presented on the heatmap because we did not make a priori links to any injury type: communication, emergency preparedness, hazard-fire, legislation, and safe work processes. OHS topics that were not identified in the apprenticeship standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.13.8. Key takeaways

- Most common injury types: fall on same level, MSD, struck by object, assaults and violent acts by person(s), and exposure to caustic, noxious, or allergenic substances.
- OHS training components in the curriculum and apprenticeship standards align with 11 and 15 researcher-identified OHS topics, respectively.
- There are significant gaps in housekeeping & cleanliness; ergonomics; hazard-slips, trips, falls; hazard-tools/machines; PPE; and safe handling of equipment training that need to be addressed in the curriculum standard. Additionally, there are significant gaps in housekeeping & cleanliness and hazard-tools/machines training that need to be addressed in the apprenticeship standard.

4.14. Child Development Practitioner - Inclusion Practices

4.14.1. Codes

Trade Code: 620G

NOC 2016: 4214

NOC 2021: 42202

SOC Code: 25-9042.00

CIP Code: 19.0709

4.14.2. Description

This trade is not listed on the Skilled Trades Ontario website.

4.14.3. OHS training components in curriculum standard

This trade program does not include a curriculum standard.

4.14.4. OHS training components in apprenticeship standard

This trade program does not include an apprenticeship standard.

4.14.5. Injury statistics

Based on the WSIB injury statistics, there were 2811 accepted lost-time claims reported from 2015-2020. The most common claims are fall on same level (~28% of total claims), MSD (~26% of total claims), struck by object (~12% of total claims), assaults and violent acts by person(s) (~9% of total claims), and exposure to caustic, noxious, or allergenic substances (~7% of total claims) (Annex A). The average cost of claim was approximately \$4,161. The average cost of claim for each injury type ranged from \$74 to \$101,288 (Annex A). The total days lost across all claims was 48,664. The total days lost for each injury type ranged from 0 to 17,611 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.14.6. Gap analysis in curriculum standard

We could not conduct gap analysis in curriculum standard because this trade program does not include a curriculum standard.

4.14.7. Gap analysis in apprenticeship standard

We could not conduct gap analysis in apprenticeship standard because this trade program does not include an apprenticeship standard.

4.14.8. Key takeaway

- Most common injury types: fall on same level, MSD, struck by object, assaults and violent acts by person(s), and exposure to caustic, noxious, or allergenic substances.

4.15. Cook

RED SEAL

4.15.1. Codes

Trade Code: 415A

NOC 2016: 6322

NOC 2021: 63200

SOC Code: 35-2012.00

CIP Code: 12.05

4.15.2. Description

According to Skilled Trades Ontario, a Cook prepares a wide range of foods for public consumption in various settings, for small or large groups or individual dishes in restaurants and test kitchens.

4.15.3. OHS training components in curriculum standard

The curriculum standard consists of 720 hours of training, of which nearly 22 hours (~3% of total curriculum hours) is required for OHS training. The curriculum standard includes training components that align with 7 researcher-identified OHS topics: emergency preparedness, hazard-general, housekeeping & cleanliness, PPE, safe handling of equipment, safe handling of hazardous materials, and safe work processes. Housekeeping & cleanliness has the highest hours (~30% of total OHS training) whereas PPE has the lowest hours (~8% of total OHS training).

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.15.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 12 researcher-identified OHS topics: communication, hazard-biological, hazard-chemical, hazard-

electrical, hazard-fire, hazard-general, housekeeping & cleanliness, legislation, PPE, safe handling of equipment, safe handling of hazardous materials, and safe work processes.

We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

One OHS topic (emergency preparedness) was identified only in the curriculum standard but not in the apprenticeship standard. On the other hand, six OHS topics (communication, hazard-biological, hazard-chemical, hazard-electrical, hazard-fire, and legislation) were identified only in the apprenticeship standard but not in the curriculum standard.

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.15.5. Injury statistics

Based on the WSIB injury statistics, there were 5612 accepted lost-time claims reported from 2015-2020. The most common claims are struck by object (~30% of total claims), contact with temperature extremes (~18% of total claims), MSD (~17% of total claims), fall on same level (~12% of total claims), and struck against object (~7% of total claims) (Annex A). The average cost of claim was approximately \$3,951. The average cost of claim for each injury type ranged from \$0 to \$19,595 (Annex A). The total days lost across all claims was 128,582. The total days lost for each injury type ranged from 0 to 35,907 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.15.6. Gap analysis in curriculum standard

According to our gap analysis, there is a high number of claims across the injury types that were a priori linked to hazard-tools/machines (~41% of total claims); however, the

curriculum standard does not include training components that align with the topic (Figure 4.15.1). We also found high number of claims across the injury types that were a priori linked to PPE (~43% of total claims), but the curriculum standard includes low number of hours for training components that align with the topic (Figure 4.15.1). Therefore, there are significant gaps in hazard-tools/machines and PPE training that need to be addressed.



Figure 4.15.1: Heat map of the number of each OHS topic hours and sum of claims of injury types linked to the OHS topic for each trade. OHS topic hours are presented as a

percentage of the total OHS training. Sum of claims is presented as a percentage of the total claims. The following OHS topics were identified in the curriculum standard but are not presented on the heatmap because we did not make a priori links to any injury type: emergency preparedness (Low; 8%). OHS topics that were not identified in the curriculum standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.15.7. Gap analysis in apprenticeship standard

Based on our gap analysis, there is a high number of claims across the injury types that were a priori linked to hazard-tools/machines (~41% of total claims); however, the apprenticeship standard does not include training components that align with the topic (Figure 4.15.2). We also found high number of claims across the injury types that were a priori linked to housekeeping & cleanliness (~56% of total claims), PPE (~43% of total claims), and safe handling of equipment (~41% of total claims) although the apprenticeship standard includes training components that align with the topics (Figure 4.15.2). Therefore, there are significant gaps in hazard-tools/machines, housekeeping & cleanliness, PPE, and safe handling of equipment training that need to be addressed.

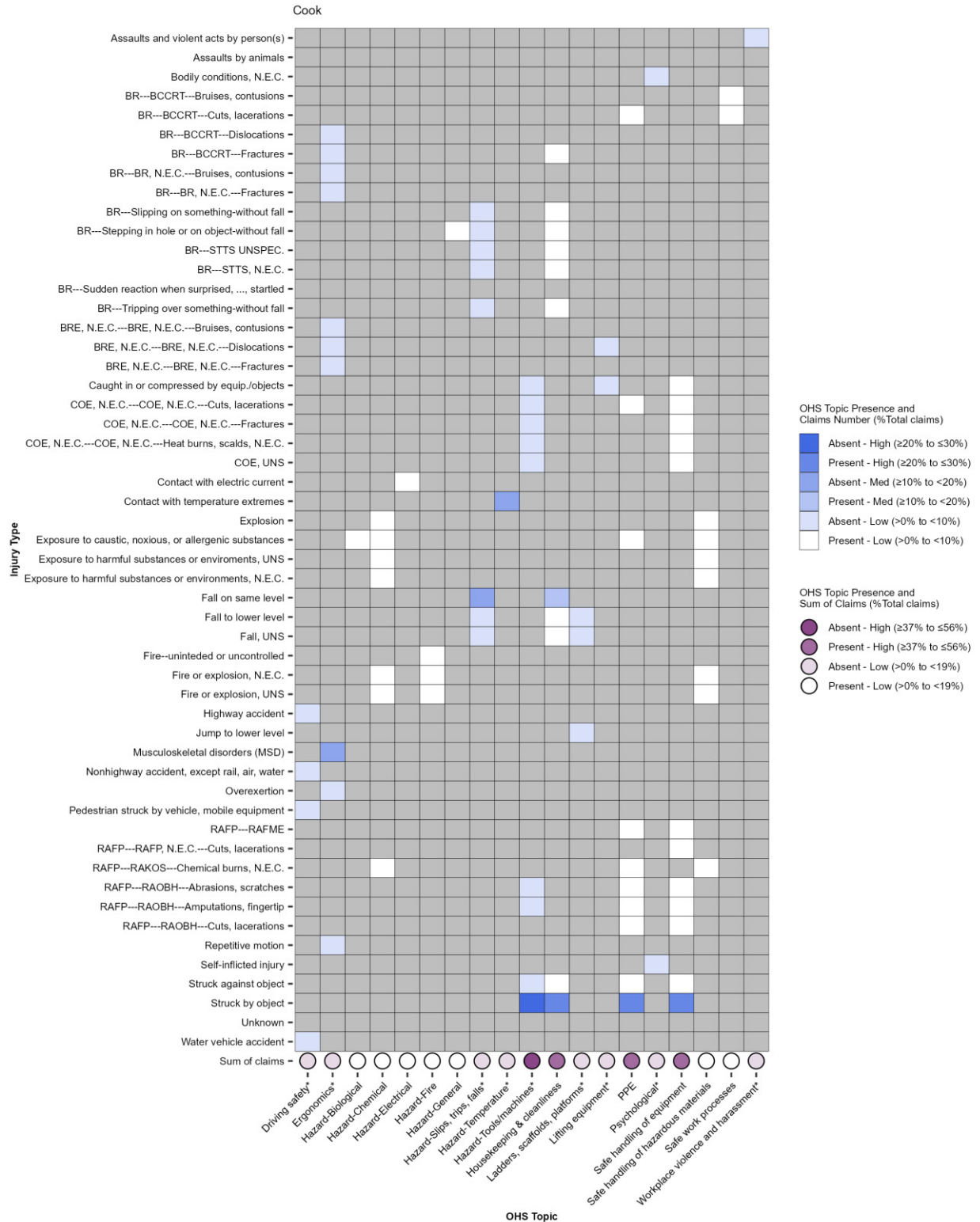


Figure 4.15.2: Heat map of the presence of each OHS topic and sum of claims of injury types linked to the OHS topic. Sum of claims in each trade is presented as a percentage of the

total claims. The following OHS topics were identified in the apprenticeship standard but are not presented on the heatmap because we did not make a priori links to any injury type: communication and legislation. OHS topics that were not identified in the apprenticeship standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.15.8. Key takeaways

- Most common injury types: struck by object, contact with temperature extremes, MSD, fall on same level, and struck against object. 110
- OHS training components in the curriculum and apprenticeship standards align with 7 and 12 researcher-identified OHS topics, respectively.
- There are significant gaps in hazard-tools/machines and PPE training that need to be addressed in the curriculum standard. Additionally, there are significant gaps in hazard-tools/machines, housekeeping & cleanliness, PPE, and safe handling of equipment training that need to be addressed in the apprenticeship standard.
- Mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment were absent in training standards.

4.16. Developmental Services Worker

4.16.1. Codes

Trade Code: 620D

NOC 2016: 4212

NOC 2021: 42202

SOC Code: 31-1122.00

CIP Code: 19.071

4.16.2. Description

According to Skilled Trades Ontario, a Developmental Services Worker supports people who have a developmental disability to realize their full potential. Developmental Services Workers are employed by organizations that provide support to individuals with special needs, including faith and culture-based agencies and by school boards to assist in the classroom.

4.16.3. OHS training components in curriculum standard

The curriculum standard consists of 780 hours of training, of which nearly 40 hours (~5% of total curriculum hours) is required for OHS training. The curriculum standard includes training components that align with 9 researcher-identified OHS topics: communication, emergency preparedness, ergonomics, hazard-biological, hazard-fire, legislation, safe handling of equipment, safe handling of hazardous materials, and safe work processes. Legislation has the highest hours (~28% of total OHS training) whereas safe handling of hazardous materials has the lowest hours (~3% of total OHS training).

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.16.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 16 researcher-identified OHS topics: communication, emergency preparedness, ergonomics, hazard-biological, hazard-fire, hazard-general, hazard-temperature, housekeeping & cleanliness, legislation, PPE, psychological, psychosocial, safe handling of equipment, safe handling of hazardous materials, safe work processes, and workplace violence and harassment.

We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

Seven OHS topics (hazard-general, hazard-temperature, housekeeping & cleanliness, PPE, psychological, psychosocial, and workplace violence and harassment) were identified only in the apprenticeship standard but not in the curriculum standard.

4.16.5. Injury statistics

Based on the WSIB injury statistics, there were 4631 accepted lost-time claims reported from 2015-2020. The most common claims are assaults and violent acts by person(s) (~31% of total claims), MSD (~22% of total claims), fall on same level (~16% of total claims), struck by object (~6% of total claims), and exposure to caustic, noxious, or allergenic substances (~6% of total claims) (Annex A). The average cost of claim was approximately \$10,469. The average cost of claim for each injury type ranged from \$80 to \$113,174 (Annex A). The total days lost across all claims was 182,711. The total days lost for each injury type ranged from 0 to 78,007 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.16.6. Gap analysis in curriculum standard

According to our gap analysis, there is a high number of claims across the injury types that were a priori linked to hazard-slips, trips, falls (~23% of total claims); housekeeping &

cleanliness (~32% of total claims); and workplace violence and harassment (~31% of total claims); however, the curriculum standard does not include training components that align with the topics (Figure 4.16.1). We also found high number of claims across the injury types that were a priori linked to ergonomics (~22% of total claims), but the curriculum standard includes low number of hours for training components that align with the topic (Figure 4.16.1). Therefore, there are significant gaps in hazard-slips, trips, falls; housekeeping & cleanliness; workplace violence and harassment; and ergonomics training that need to be addressed.



Figure 4.16.1: Heat map of the number of each OHS topic hours and sum of claims of injury types linked to the OHS topic for each trade. OHS topic hours are presented as a

percentage of the total OHS training. Sum of claims is presented as a percentage of the total claims. The following OHS topics were identified in the curriculum standard but are not presented on the heatmap because we did not make a priori links to any injury type: communication (High; 24%), emergency preparedness (Low; 4%), and legislation (High; 28%). OHS topics that were not identified in the curriculum standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.16.7. Gap analysis in apprenticeship standard

Based on our gap analysis, there is a high number of claims across the injury types that were a priori linked to hazard-slips, trips, falls (~23% of total claims); however, the apprenticeship standard does not include training components that align with the topic (Figure 4.16.2). We also found high number of claims across the injury types that were a priori linked to ergonomics (~22% of total claims), housekeeping & cleanliness (~32% of total claims), and workplace violence and harassment (~31% of total claims) although the apprenticeship standard includes training components that align with the topics (Figure 4.16.2). Therefore, there are significant gaps in hazard-slips, trips, falls; ergonomics; housekeeping & cleanliness; and workplace violence and harassment training that need to be addressed.

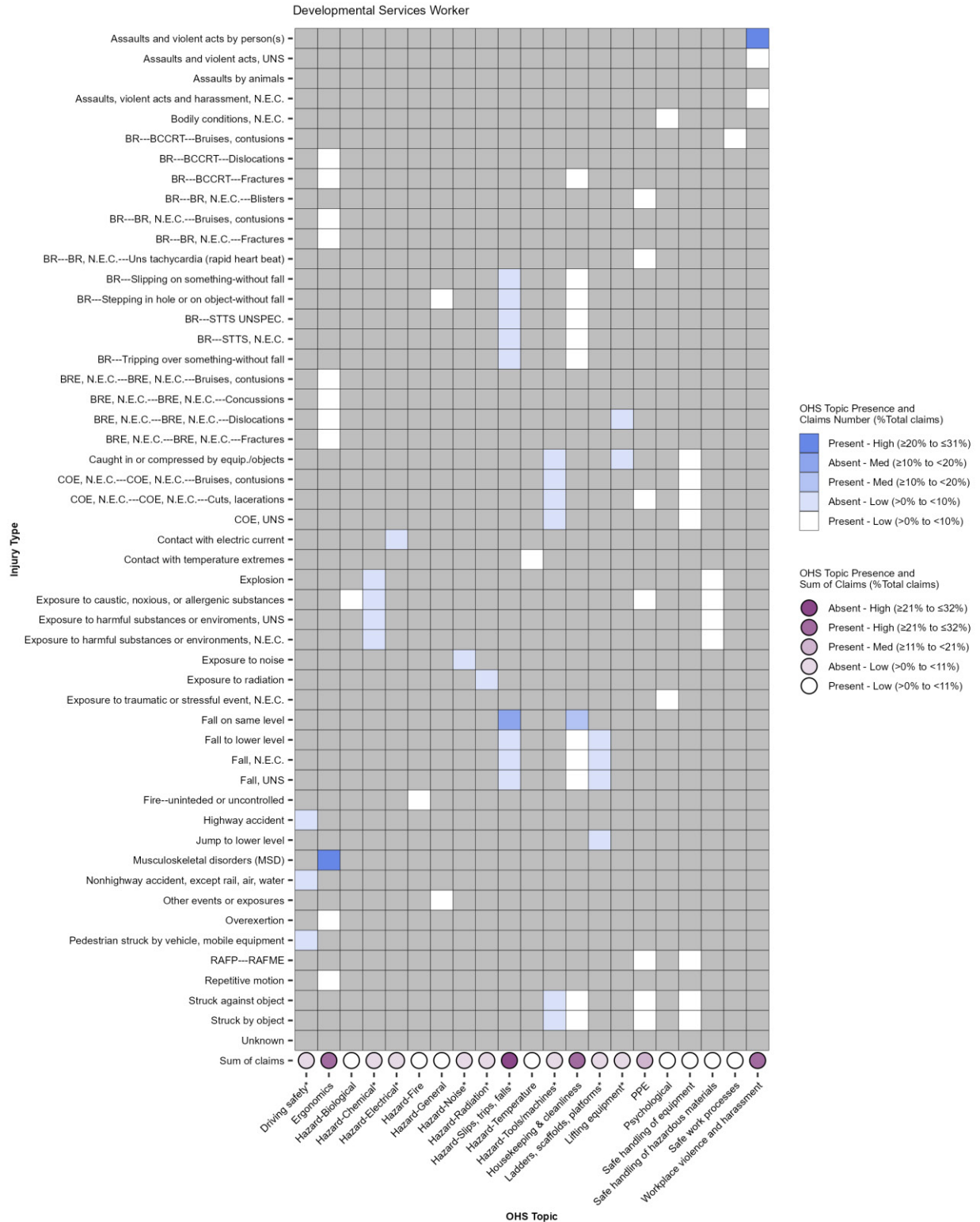


Figure 4.16.2: Heat map of the presence of each OHS topic and sum of claims of injury types linked to the OHS topic. Sum of claims in each trade is presented as a percentage of the

total claims. The following OHS topics were identified in the apprenticeship standard but are not presented on the heatmap because we did not make a priori links to any injury type: communication, emergency preparedness, legislation, and psychosocial. OHS topics that were not identified in the apprenticeship standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.16.8. Key takeaways

- Most common injury types: assaults and violent acts by person(s), MSD, fall on same level, struck by object, and exposure to caustic, noxious, or allergenic substances. 117
- OHS training components in the curriculum and apprenticeship standards align with 9 and 16 researcher-identified OHS topics, respectively.
- There are significant gaps in hazard-slips, trips, falls; housekeeping & cleanliness; workplace violence and harassment; and ergonomics training that need to be addressed in the curriculum standard. Additionally, there are significant gaps in hazard-slips, trips, falls; ergonomics; housekeeping & cleanliness; and workplace violence and harassment training that need to be addressed in the apprenticeship standard.

4.17. Educational Assistant

4.17.1. Codes

Trade Code: 620E

NOC 2016: 4413

NOC 2021: 43100

SOC Code: 25-9042.00

CIP Code: 13.1501

4.17.2. Description

According to Skilled Trades Ontario, an Educational Assistant supports educators in working with students, including those with exceptional education needs to implement education, safety and behaviour support plans. Develops intervention strategies to support successful student outcomes. Promotes a positive environment for learning and assisting with life and living skills development.

4.17.3. OHS training components in curriculum standard

The curriculum standard consists of 852 hours of training, of which nearly 61 hours (~7% of total curriculum hours) is required for OHS training. The curriculum standard includes training components that align with 9 researcher-identified OHS topics: ergonomics, hazard-biological, legislation, psychological, psychosocial, safe handling of equipment, safe handling of hazardous materials, safe work processes, and workplace violence and harassment. Safe work processes has the highest hours (~79% of total OHS training) whereas psychological and psychosocial have the lowest hours (~1% of total OHS training).

4.17.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 8 researcher-identified OHS topics: communication, emergency preparedness, ergonomics, hazard-

general, legislation, psychosocial, safe work processes, and workplace violence and harassment.

We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

Four OHS topics (hazard-biological, psychological, safe handling of equipment, and safe handling of hazardous materials) were identified only in the curriculum standard but not in the apprenticeship standard. On the other hand, three OHS topics (communication, emergency preparedness, and hazard-general) were identified only in the apprenticeship standard but not in the curriculum standard.

4.17.5. Injury statistics

Based on the WSIB injury statistics, there were 8853 accepted lost-time claims reported from 2015-2020. The most common claims are assaults and violent acts by person(s) (~32% of total claims), fall on same level (~21% of total claims), MSD (~16% of total claims), struck by object (~16% of total claims), and struck against object (~4% of total claims) (Annex A). The average cost of claim was approximately \$6,345. The average cost of claim for each injury type ranged from \$84 to \$136,606 (Annex A). The total days lost across all claims was 222,870. The total days lost for each injury type ranged from 0 to 77,844 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.17.6. Gap analysis in curriculum standard

According to our gap analysis, there is a high number of claims across the injury types that were a priori linked to housekeeping & cleanliness (~47% of total claims); however, the curriculum standard does not include training components that align with the topic (Figure 4.17.1). We also found high number of claims across the injury types that were a priori linked

to workplace violence and harassment (~32% of total claims), but the curriculum standard includes low number of hours for training components that align with the topic (Figure 4.17.1). Therefore, there are significant gaps in housekeeping & cleanliness and workplace violence and harassment training that need to be addressed.

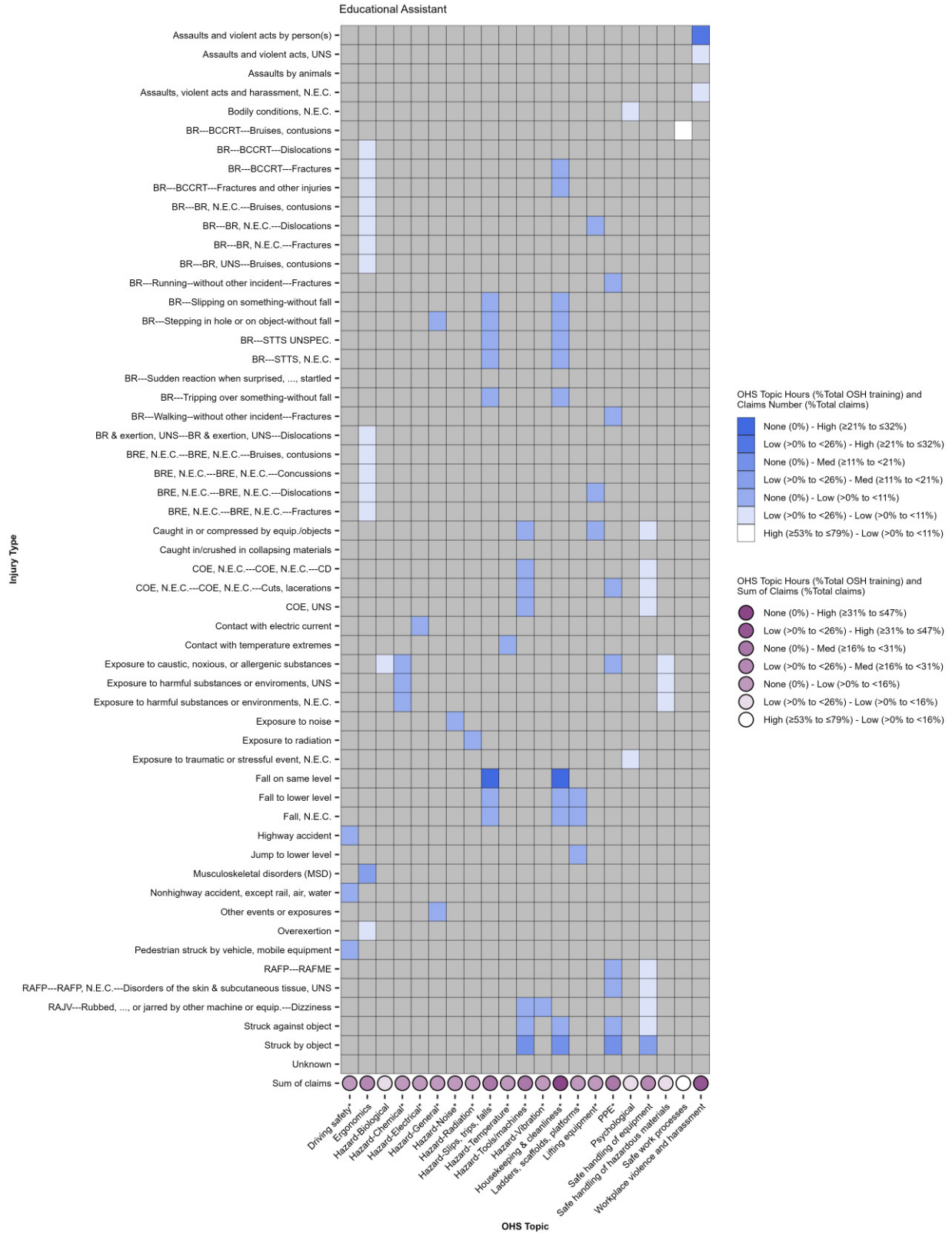


Figure 4.17.1: Heat map of the number of each OHS topic hours and sum of claims of injury types linked to the OHS topic for each trade. OHS topic hours are presented as a percentage of the total OHS training. Sum of claims is presented as a percentage of the total claims. The following OHS topics were identified in the curriculum standard but are not presented on the heatmap because we did not make a priori links to any injury type: legislation (Low; 2%) and psychosocial (Low; 1%). OHS topics that were not identified in the curriculum standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.17.7. Gap analysis in apprenticeship standard

Based on our gap analysis, there is a high number of claims across the injury types that were a priori linked to housekeeping & cleanliness (~47% of total claims); however, the apprenticeship standard does not include training components that align with the topic (Figure 4.17.2). We also found high number of claims across the injury types that were a priori linked to workplace violence and harassment (~32% of total claims) although the apprenticeship standard includes training components that align with the topic (Figure 4.17.2). Therefore, there are significant gaps in housekeeping & cleanliness and workplace violence and harassment training that need to be addressed.



Figure 4.17.2: Heat map of the presence of each OHS topic and sum of claims of injury types linked to the OHS topic. Sum of claims in each trade is presented as a percentage of the total claims. The following OHS topics were identified in the apprenticeship standard but are not presented on the heatmap because we did not make a priori links to any injury type: communication, emergency preparedness, legislation, and psychosocial. OHS topics that were not identified in the apprenticeship standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.17.8. Key takeaways

- Most common injury types: assaults and violent acts by person(s), fall on same level, MSD, struck by object, and struck against object. 124
- OHS training components in the curriculum and apprenticeship standards align with 9 and 8 researcher-identified OHS topics, respectively.
- There are significant gaps in housekeeping & cleanliness and workplace violence and harassment training that need to be addressed in both training standards.

4.18. Electronic Service Technician

4.18.1. Codes

Trade Code: 416E

NOC 2016: 2242

NOC 2021: 22311

SOC Code: 49-2011.00

CIP Code: 47.0199

4.18.2. Description

According to Skilled Trades Ontario, an Electronic Service Technician: interacts with customers and other workers; uses hand tools, hand power tools, testing equipment and specialty tools; applies electronic theory to electronic products; terminates and connects conductors and printed circuit boards contained within electronic products; maintains electronic products; troubleshoots and diagnoses problems in electronic products; and services and repairs electronic products

4.18.3. OHS training components in curriculum standard

This trade program does not include a curriculum standard.

4.18.4. OHS training components in apprenticeship standard

This trade program does not include an apprenticeship standard.

4.18.5. Injury statistics

Based on the WSIB injury statistics, there were 761 accepted lost-time claims reported from 2015-2020. The most common claims are MSD (~40% of total claims), fall on same level (~12% of total claims), struck by object (~12% of total claims), fall to lower level (~8% of total claims), and struck against object (~7% of total claims) (Annex A). The average cost of claim

was approximately \$10,190. The average cost of claim for each injury type ranged from \$85 to \$37,924 (Annex A). The total days lost across all claims was 32,648. The total days lost for each injury type ranged from 0 to 13,638 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.18.6. Gap analysis in curriculum standard

We could not conduct gap analysis in curriculum standard because this trade program does not include a curriculum standard.

4.18.7. Gap analysis in apprenticeship standard

We could not conduct gap analysis in apprenticeship standard because this trade program does not include an apprenticeship standard.

4.18.8. Key takeaway

- Most common injury types: MSD, fall on same level, struck by object, fall to lower level, and struck against object.

4.19. Gemsetter/Goldsmith

4.19.1. Codes

Trade Code: 606G

NOC 2016: 6344

NOC 2021: 62202

SOC Code: 51-9071.00

CIP Code: 48.0599

4.19.2. Description

According to Skilled Trades Ontario, a Gemsetter/Goldsmith fabricates and repairs precious and semi-precious jewellery and gemstone work, tests metals, rolls and draws metals, forms rings, drills holes and sockets for stones or hinges, solders pieces of jewellery and gemstone work, designs and sets gem settings, fabricates and assembles all types of jewellery and gemstone work, and cleans and polishes jewellery and gemstone work

4.19.3. OHS training components in curriculum standard

This trade program does not include a curriculum standard.

4.19.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 5 researcher-identified OHS topics: hazard-fire, legislation, PPE, safe handling of hazardous materials, and safe work processes.

We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.19.5. Injury statistics

Based on the WSIB injury statistics, there were 18 accepted lost-time claims reported from 2015-2020. The most common claims are MSD (~28% of total claims), caught in or compressed by equip./objects (~22% of total claims), struck by object (~17% of total claims), contact with temperature extremes and fall on same level (~11% of total claims), and exposure to caustic, noxious, or allergenic substances and struck against object (~6% of total claims) (Annex A). The average cost of claim was approximately \$6,062. The average cost of claim for each injury type ranged from \$183 to \$19,550 (Annex A). The total days lost across all claims was 2,701. The total days lost for each injury type ranged from 1 to 2,526 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.19.6. Gap analysis in curriculum standard

We could not conduct gap analysis in curriculum standard because this trade program does not include a curriculum standard.

4.19.7. Gap analysis in apprenticeship standard

Based on our gap analysis, there is a high number of claims across the injury types that were a priori linked to hazard-tools/machines (~44% of total claims), housekeeping & cleanliness (~33% of total claims), and safe handling of equipment (~44% of total claims); however, the apprenticeship standard does not include training components that align with the topics (Figure 4.19.1). We also found moderate number of claims across the injury types that were a priori linked to ergonomics (~28% of total claims) and lifting equipment (~22% of total claims), but the apprenticeship standard does not include training components that align with the topics (Figure 4.19.1). Therefore, there are significant gaps in hazard-

tools/machines, housekeeping & cleanliness, safe handling of equipment, ergonomics, and lifting equipment training that need to be addressed.

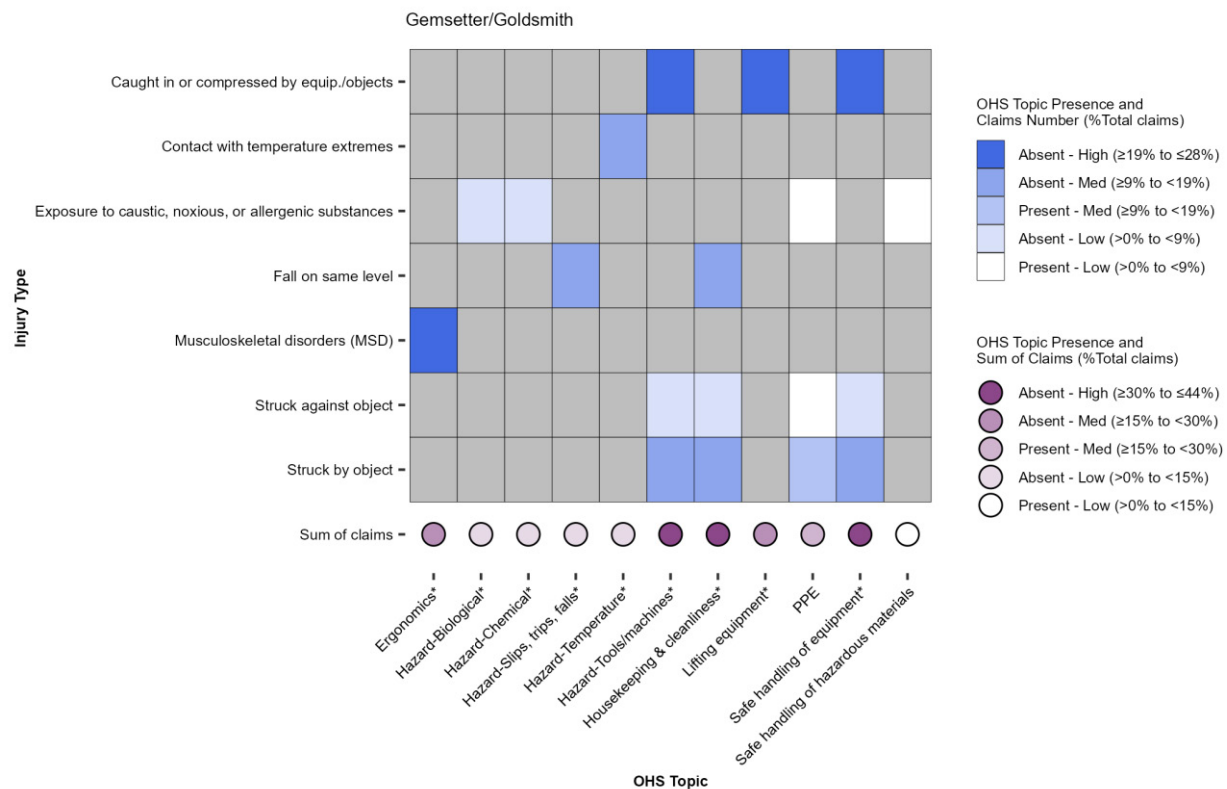


Figure 4.19.1: Heat map of the presence of each OHS topic and sum of claims of injury types linked to the OHS topic. Sum of claims in each trade is presented as a percentage of the total claims. The following OHS topics were identified in the apprenticeship standard but are not presented on the heatmap because we did not make a priori links to any injury type: hazard-fire, legislation, and safe work processes. OHS topics that were not identified in the apprenticeship standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.19.8. Key takeaways

- Most common injury types: MSD, caught in or compressed by equip./objects, struck by object, contact with temperature extremes and fall on same level, and exposure to caustic, noxious, or allergenic substances and struck against object. 129

- OHS training components in the apprenticeship standard align with 5 researcher-identified OHS topics. 130
- There are significant gaps in hazard-tools/machines, housekeeping & cleanliness, safe handling of equipment, ergonomics, and lifting equipment training that need to be addressed in the apprenticeship standard.
- Mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment were absent in the apprenticeship standard.

4.20. Hairstylist

RED SEAL

4.20.1. Codes

Trade Code: 332A

NOC 2016: 6341

NOC 2021: 63210

SOC Code: 39-5012.00

CIP Code: 12.0407

4.20.2. Description

According to Skilled Trades Ontario, a Hairstylist performs a range of hairstyling services including cutting, designing colouring, permanent waving, relaxing and straightening.

4.20.3. OHS training components in curriculum standard

The curriculum standard consists of 480 hours of training, of which nearly 20 hours (~4% of total curriculum hours) is required for OHS training. The curriculum standard includes training components that align with 11 researcher-identified OHS topics: emergency preparedness, ergonomics, hazard-biological, hazard-chemical, hazard-electrical, housekeeping & cleanliness, legislation, PPE, psychological, safe handling of equipment, and safe handling of hazardous materials. Housekeeping & cleanliness has the highest hours (~13% of total OHS training) whereas emergency preparedness has the lowest hours (~3% of total OHS training).

There is no information regarding prevention of workplace violence and harassment.

4.20.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 8 researcher-identified OHS topics: hazard-biological; hazard-slips, trips, falls; housekeeping &

cleanliness; legislation; PPE; safe handling of equipment; safe handling of hazardous materials; and safe work processes.

We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

Five OHS topics (emergency preparedness, ergonomics, hazard-chemical, hazard-electrical, and psychological) were identified only in the curriculum standard but not in the apprenticeship standard. On the other hand, two OHS topics (hazard-slips, trips, falls and safe work processes) were identified only in the apprenticeship standard but not in the curriculum standard.

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.20.5. Injury statistics

Based on the WSIB injury statistics, there were 60 accepted lost-time claims reported from 2015-2020. The most common claims are MSD (~23% of total claims), fall on same level (~22% of total claims), struck by object (~15% of total claims), struck against object (~12% of total claims), and fall to lower level (~10% of total claims) (Annex A). The average cost of claim was approximately \$14,317. The average cost of claim for each injury type ranged from \$69 to \$37,120 (Annex A). The total days lost across all claims was 6,096. The total days lost for each injury type ranged from 2 to 3,782 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.20.6. Gap analysis in curriculum standard

According to our gap analysis, there is a moderate number of claims across the injury types that were a priori linked to hazard-slips, trips, falls (~35% of total claims) and hazard-tools/machines (~33% of total claims); however, the curriculum standard does not include training components that align with the topics (Figure 4.20.1). We also found low number of claims across the injury types that were a priori linked to ladders, scaffolds, platforms (~10% of total claims); lifting equipment (~5% of total claims); hazard-temperature (~2% of total claims); and safe work processes (~2% of total claims), but the curriculum standard does not include training components that align with the topics (Figure 4.20.1). Therefore, there are significant gaps in hazard-slips, trips, falls; hazard-tools/machines; ladders, scaffolds, platforms; lifting equipment; hazard-temperature; and safe work processes training that need to be addressed.

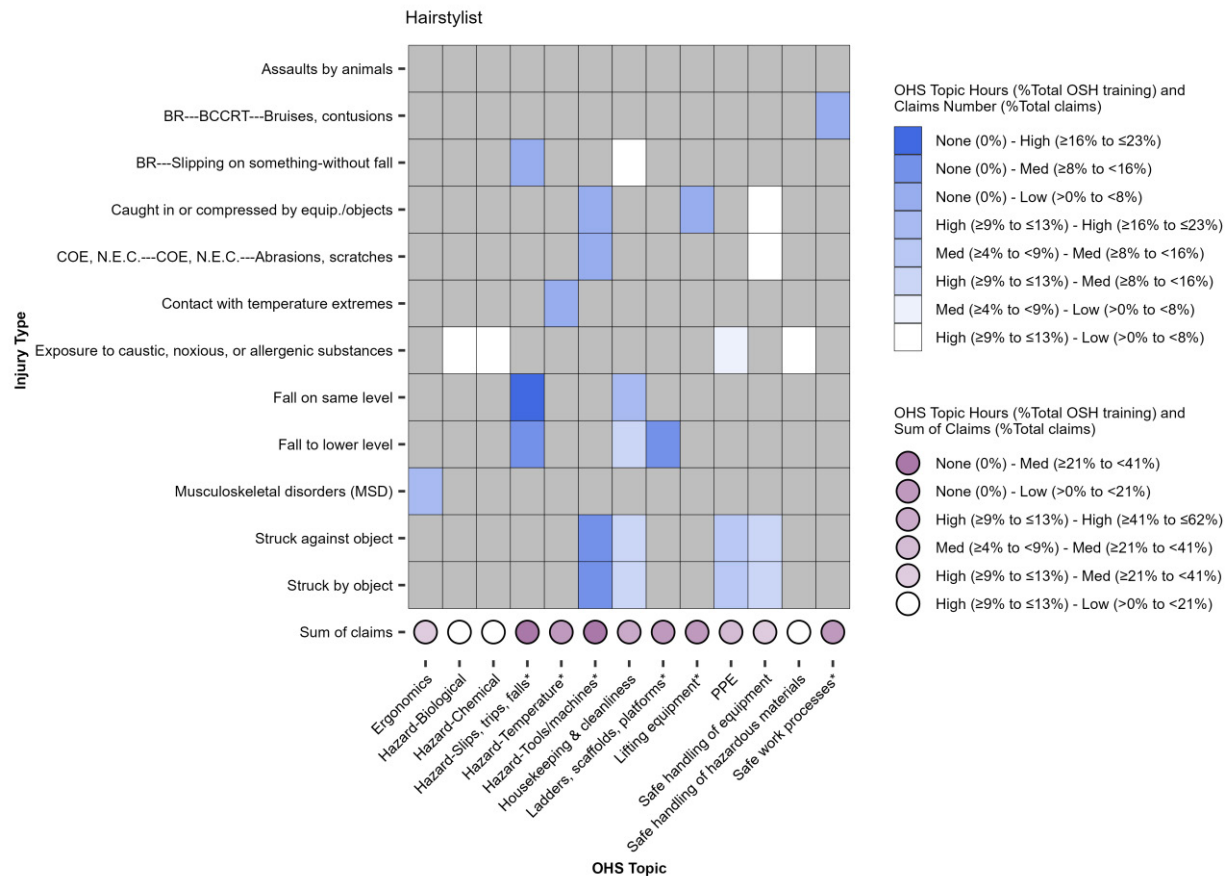


Figure 4.20.1: Heat map of the number of each OHS topic hours and sum of claims of injury types linked to the OHS topic for each trade. OHS topic hours are presented as a percentage of the total OSH training. Sum of claims is presented as a percentage of the

total claims. The following OHS topics were identified in the curriculum standard but are not presented on the heatmap because we did not make a priori links to any injury type: emergency preparedness (Low; 3%), hazard-electrical (High; 10%), legislation (Med; 8%), and psychological (Med; 5%). OHS topics that were not identified in the curriculum standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.20.7. Gap analysis in apprenticeship standard

Based on our gap analysis, there is a high number of claims across the injury types that were a priori linked to housekeeping & cleanliness (~62% of total claims) although the apprenticeship standard includes training components that align with the topic (Figure 4.20.2). We also found moderate number of claims across the injury types that were a priori linked to ergonomics (~23% of total claims) and hazard-tools/machines (~33% of total claims), but the apprenticeship standard does not include training components that align with the topics (Figure 4.20.2). Therefore, there are significant gaps in housekeeping & cleanliness, ergonomics, and hazard-tools/machines training that need to be addressed.

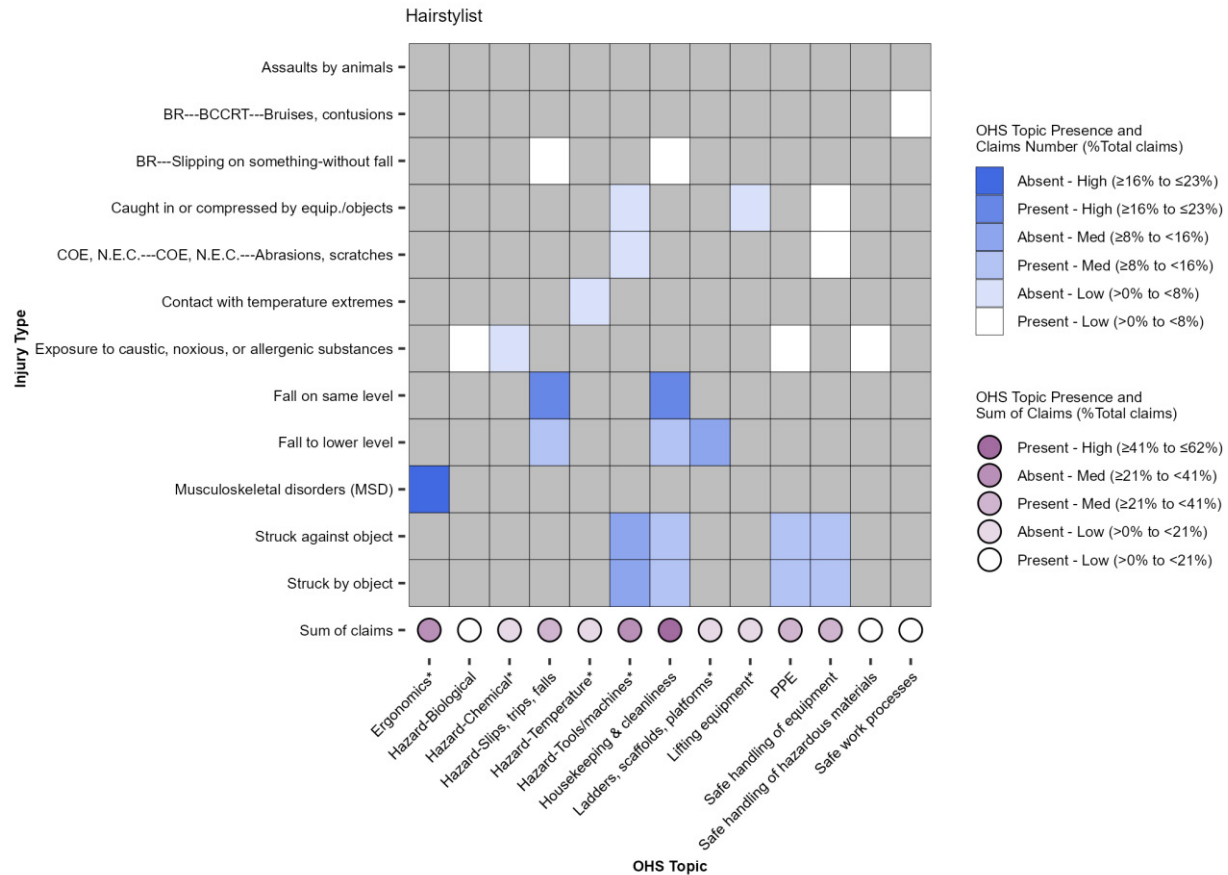


Figure 4.20.2: Heat map of the presence of each OHS topic and sum of claims of injury types linked to the OHS topic. Sum of claims in each trade is presented as a percentage of the total claims. The following OHS topics were identified in the apprenticeship standard but are not presented on the heatmap because we did not make a priori links to any injury type: legislation. OHS topics that were not identified in the apprenticeship standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.20.8. Key takeaways

- Most common injury types: MSD, fall on same level, struck by object, struck against object, and fall to lower level. 135
- OHS training components in the curriculum and apprenticeship standards align with 11 and 8 researcher-identified OHS topics, respectively.

- There are significant gaps in hazard-slips, trips, falls; hazard-tools/machines; ladders, scaffolds, platforms; lifting equipment; hazard-temperature; and safe work processes training that need to be addressed in the curriculum standard. Additionally, there are significant gaps in housekeeping & cleanliness, ergonomics, and hazard-tools/machines training that need to be addressed in the apprenticeship standard 136.
- Training related to prevention of workplace violence and harassment was absent in training standards.

4.21. Hardware, Lumber and Building Materials Retailer

4.21.1. Codes

Trade Code: 606W

NOC 2016: 621

NOC 2021: 60020

SOC Code: 41-2031.00

CIP Code: 52.1803

4.21.2. Description

This trade is not listed on the Skilled Trades Ontario website.

4.21.3. OHS training components in curriculum standard

This trade program does not include a curriculum standard.

4.21.4. OHS training components in apprenticeship standard

This trade program does not include an apprenticeship standard.

4.21.5. Injury statistics

Based on the WSIB injury statistics, there were 3043 accepted lost-time claims reported from 2015-2020. The most common claims are MSD (~36% of total claims), fall on same level (~18% of total claims), struck by object (~18% of total claims), fall to lower level and struck against object (~7% of total claims), and assaults and violent acts by person(s) (~2% of total claims) (Annex A). The average cost of claim was approximately \$9,889. The average cost of claim for each injury type ranged from \$86 to \$198,782 (Annex A). The total days lost across all claims was 111,353. The total days lost for each injury type ranged from 0 to 27,376 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.21.6. Gap analysis in curriculum standard

We could not conduct gap analysis in curriculum standard because this trade program does not include a curriculum standard.

4.21.7. Gap analysis in apprenticeship standard

We could not conduct gap analysis in apprenticeship standard because this trade program does not include an apprenticeship standard.

4.21.8. Key takeaway

- Most common injury types: MSD, fall on same level, struck by object, fall to lower level and struck against object, and assaults and violent acts by person(s)

4.22. Horse Groom

4.22.1. Codes

Trade Code: 600H

NOC 2016: 6563

NOC 2021: 65220

SOC Code: 39-2021.00

CIP Code: 1.0504

4.22.2. Description

According to Skilled Trades Ontario, a Horse Groom performs the following duties: handles and controls horses; performs grooming procedures; performs tacking-up of horse; performs untacking of horse; performs feeding procedures; performs horse health maintenance procedures; cleans stalls; and maintains stable facilities, tools, equipment and supplies.

4.22.3. OHS training components in curriculum standard

This trade program does not include a curriculum standard.

4.22.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 12 researcher-identified OHS topics: communication, driving safety, emergency preparedness, hazard-fire, hazard-general, housekeeping & cleanliness, legislation, lifting equipment, PPE, safe handling of equipment, safe handling of hazardous materials, and safe work processes. We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.22.5. Injury statistics

Based on the WSIB injury statistics, there were 652 accepted lost-time claims reported from 2015-2020. The most common claims are assaults by animals (~38% of total claims), MSD (~22% of total claims), struck by object (~11% of total claims), fall on same level (~8% of total claims), and struck against object (~7% of total claims) (Annex A). The average cost of claim was approximately \$4,014. The average cost of claim for each injury type ranged from \$91 to \$33,800 (Annex A). The total days lost across all claims was 12,714. The total days lost for each injury type ranged from 0 to 3,776 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.22.6. Gap analysis in curriculum standard

We could not conduct gap analysis in curriculum standard because this trade program does not include a curriculum standard.

4.22.7. Gap analysis in apprenticeship standard

Based on our gap analysis, there is a high number of claims across the injury types that were a priori linked to ergonomics (~23% of total claims); however, the apprenticeship standard does not include training components that align with the topic (Figure 4.22.1). We also found high number of claims across the injury types that were a priori linked to housekeeping & cleanliness (~30% of total claims), PPE (~21% of total claims), and safe handling of equipment (~20% of total claims) although the apprenticeship standard includes training components that align with the topics (Figure 4.22.1). Therefore, there are significant gaps in ergonomics, housekeeping & cleanliness, PPE, and safe handling of equipment training that need to be addressed.



Figure 4.22.1: Heat map of the presence of each OHS topic and sum of claims of injury types linked to the OHS topic. Sum of claims in each trade is presented as a percentage of the

total claims. The following OHS topics were identified in the apprenticeship standard but are not presented on the heatmap because we did not make a priori links to any injury type: communication, emergency preparedness, hazard-fire, and legislation. OHS topics that were not identified in the apprenticeship standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.22.8. Key takeaways

- Most common injury types: assaults by animals, MSD, struck by object, fall on same level, and struck against object. 142
- OHS training components in the apprenticeship standard align with 12 researcher-identified OHS topics.
- There are significant gaps in ergonomics, housekeeping & cleanliness, PPE, and safe handling of equipment training that need to be addressed in the apprenticeship standard.
- Mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment were absent in the apprenticeship standard.

4.23. Horse Harness Maker

4.23.1. Codes

Trade Code: 219D

NOC 2016: 9445

NOC 2021: 95105

SOC Code: 51-6062.00

CIP Code: NA

4.23.2. Description

According to Skilled Trades Ontario, a Horse Harness Maker stitches leather by hand; cuts heavy leather by hand; assembles and constructs material by hand; diagnoses and repairs broken or defective components and replaces worn parts; trims, slicks, rubs, creases, punches holes, bevels edges and dyes or burnishes edges; and reads and interprets job specifications technical drawings

4.23.3. OHS training components in curriculum standard

This trade program does not include a curriculum standard. However, there is a Schedule of Training document which includes an outline of the in-school training components for this trade program. Based on the outline, we identified eight OHS topics (hazard-general, PPE, housekeeping & cleanliness, communication, safe handling of equipment, emergency preparedness, lockout/tag out, and safe handling of hazardous materials).

4.23.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 10 researcher-identified OHS topics: communication, emergency preparedness, hazard-general, hazard-tools/machines, housekeeping & cleanliness, legislation, PPE, safe handling of equipment, safe handling of hazardous materials, and safe work processes.

We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.23.5. Injury statistics

Based on the WSIB injury statistics, there were 38 accepted lost-time claims reported from 2015-2020. The most common claims are MSD (~26% of total claims), struck against object (~24% of total claims), caught in or compressed by equip./objects (~18% of total claims), fall on same level and struck by object (~11% of total claims), and bodily reaction---slip trip twist step on or in, loss bal-without fall, N.E.C., contact with objects and equipment, N.E.C.---contact with objects and equipment, N.E.C.---fractures, exposure to caustic, noxious, or allergenic substances, and fall to lower level (~3% of total claims) (Annex A). The average cost of claim was approximately \$6,657. The average cost of claim for each injury type ranged from \$847 to \$21,470 (Annex A). The total days lost across all claims was 1,717. The total days lost for each injury type ranged from 0 to 1,152 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.23.6. Gap analysis in curriculum standard

We could not conduct gap analysis in curriculum standard because this trade program does not include a curriculum standard.

4.23.7. Gap analysis in apprenticeship standard

Based on our gap analysis, there is a high number of claims across the injury types that were a priori linked to hazard-tools/machines (~55% of total claims), housekeeping &

cleanliness (~50% of total claims), PPE (~37% of total claims), and safe handling of equipment (~55% of total claims) although the apprenticeship standard includes training components that align with the topics (Figure 4.23.1). We also found moderate number of claims across the injury types that were a priori linked to ergonomics (~26% of total claims), but the apprenticeship standard does not include training components that align with the topic (Figure 4.23.1). Therefore, there are significant gaps in hazard-tools/machines, housekeeping & cleanliness, PPE, safe handling of equipment, and ergonomics training that need to be addressed.

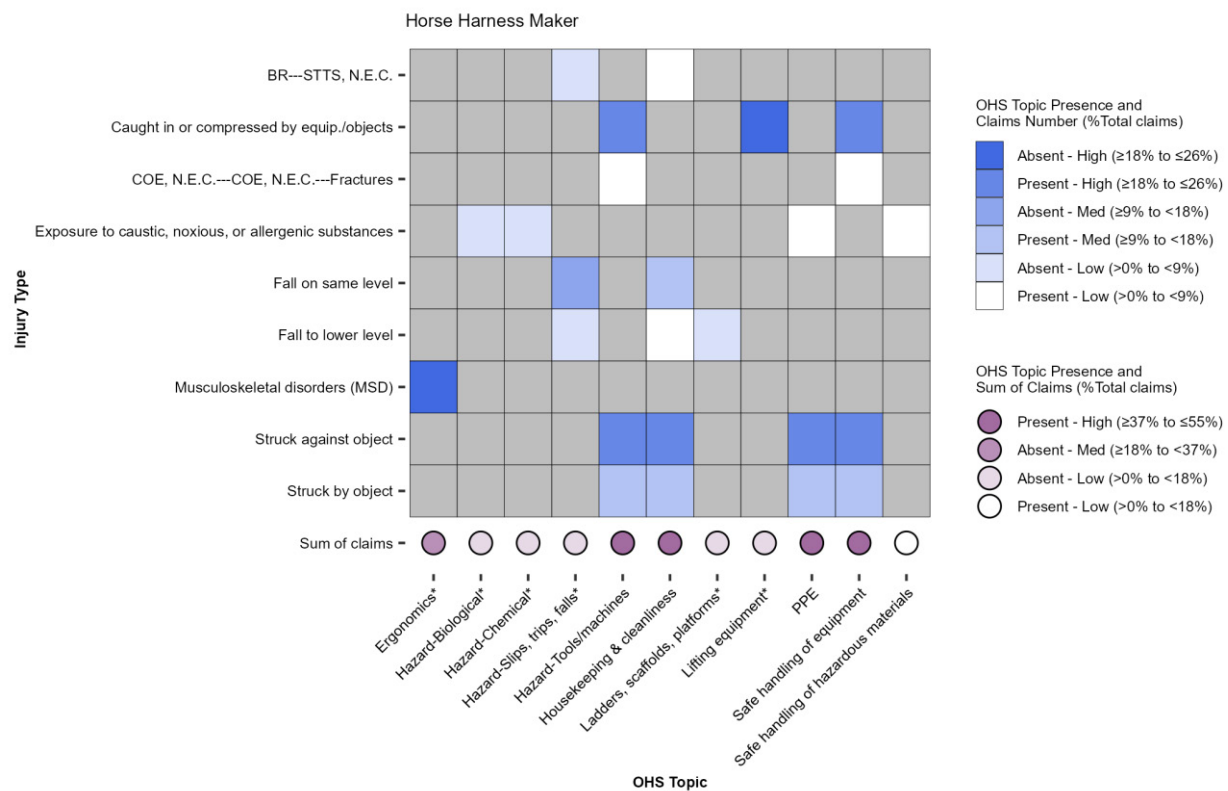


Figure 4.23.1: Heat map of the presence of each OHS topic and sum of claims of injury types linked to the OHS topic. Sum of claims in each trade is presented as a percentage of the total claims. The following OHS topics were identified in the apprenticeship standard but are not presented on the heatmap because we did not make a priori links to any injury type: communication, emergency preparedness, hazard-general, legislation, and safe work processes. OHS topics that were not identified in the apprenticeship standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.23.8. Key takeaways

- Most common injury types: MSD, struck against object, caught in or compressed by equip./objects, fall on same level and struck by object, and bodily reaction---slip trip twist step on or in, loss bal-without fall, N.E.C., contact with objects and equipment, N.E.C.---contact with objects and equipment, N.E.C.---fractures, exposure to caustic, noxious, or allergenic substances, and fall to lower level. 146
- OHS training components in the apprenticeship standard align with 10 researcher-identified OHS topics.
- There are significant gaps in hazard-tools/machines, housekeeping & cleanliness, PPE, safe handling of equipment, and ergonomics training that need to be addressed in the apprenticeship standard.
- Mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment were absent in the apprenticeship standard.

4.24. Horticultural Technician

RED SEAL

4.24.1. Codes

Trade Code: 441C

NOC 2016: 2225

NOC 2021: 22114

SOC Code: 37-3011.00

CIP Code: 1.0601

4.24.2. Description

According to Skilled Trades Ontario, a Horticultural Technician grows, installs, and maintains indoor and outdoor plants, builds urban and rural landscapes, maintains outdoor properties, cares for turf grass and golf courses and installs and maintains irrigation systems.

4.24.3. OHS training components in curriculum standard

The curriculum standard consists of 720 hours of training, of which nearly 123 hours (~17% of total curriculum hours) is required for OHS training. The curriculum standard includes training components that align with 14 researcher-identified OHS topics: communication, emergency preparedness, hazard-chemical, hazard-electrical, hazard-general, hazard-temperature, hazard-tools/machines, housekeeping & cleanliness, legislation, lockout/tag out, PPE, safe handling of equipment, safe handling of hazardous materials, and safe work processes. Hazard-general has the highest hours (~20% of total OHS training) whereas hazard-electrical has the lowest hours (<1% of total OHS training).

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.24.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 14 researcher-identified OHS topics: communication, emergency preparedness, ergonomics, hazard-chemical, hazard-general, hazard-tools/machines, housekeeping & cleanliness, legislation, lockout/tag out, PPE, psychosocial, safe handling of equipment, safe handling of hazardous materials, and safe work processes.

We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

Two OHS topics (hazard-electrical and hazard-temperature) were identified only in the curriculum standard but not in the apprenticeship standard. On the other hand, two OHS topics (ergonomics and psychosocial) were identified only in the apprenticeship standard but not in the curriculum standard.

There is no information regarding prevention of workplace violence and harassment.

4.24.5. Injury statistics

Based on the WSIB injury statistics, there were 723 accepted lost-time claims reported from 2015-2020. The most common claims are MSD (~34% of total claims), struck by object (~19% of total claims), fall on same level (~11% of total claims), struck against object (~7% of total claims), and fall to lower level (~5% of total claims) (Annex A). The average cost of claim was approximately \$8,481. The average cost of claim for each injury type ranged from \$155 to \$166,911 (Annex A). The total days lost across all claims was 25,760. The total days lost for each injury type ranged from 0 to 6,412 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.24.6. Gap analysis in curriculum standard

According to our gap analysis, there is a high number of claims across the injury types that were a priori linked to ergonomics (~34% of total claims); however, the curriculum standard does not include training components that align with the topic (Figure 4.24.1). We also found high number of claims across the injury types that were a priori linked to safe handling of equipment (~33% of total claims), but the curriculum standard includes low number of hours for training components that align with the topic (Figure 4.24.1). Therefore, there are significant gaps in ergonomics and safe handling of equipment training that need to be addressed.

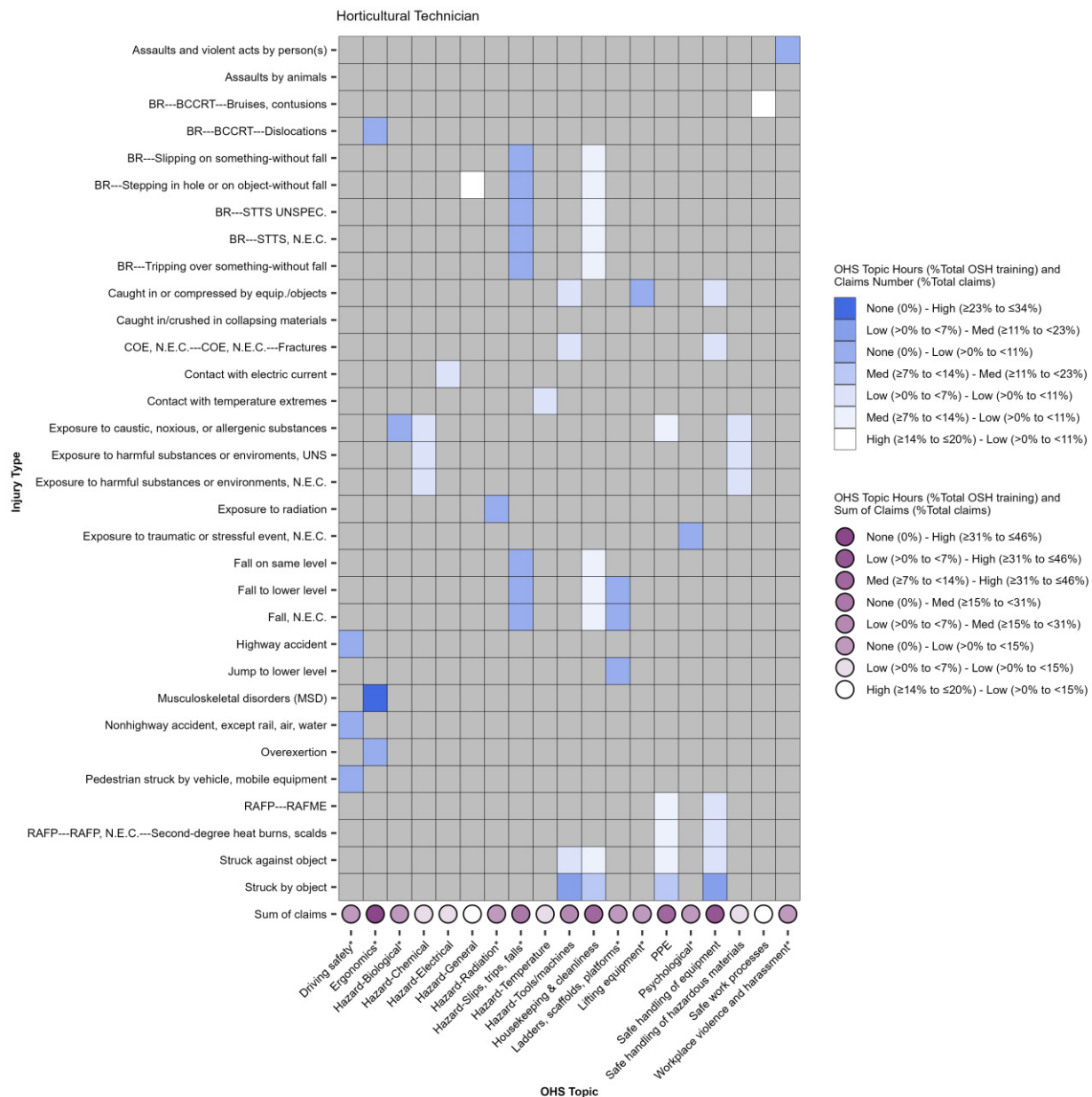


Figure 4.24.1: Heat map of the number of each OHS topic hours and sum of claims of injury types linked to the OHS topic for each trade. OHS topic hours are presented as a percentage of the total OHS training. Sum of claims is presented as a percentage of the total claims. The following OHS topics were identified in the curriculum standard but are not presented on the heatmap because we did not make a priori links to any injury type: communication (Low; 7%), emergency preparedness (Med; 7%), legislation (High; 15%), and lockout/tag out (Low; 1%). OHS topics that were not identified in the curriculum standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.24.7. Gap analysis in apprenticeship standard

Based on our gap analysis, there is a high number of claims across the injury types that were a priori linked to ergonomics (~34% of total claims), housekeeping & cleanliness (~46% of total claims), PPE (~33% of total claims), and safe handling of equipment (~33% of total claims) although the apprenticeship standard includes training components that align with the topics (Figure 4.24.2). We also found moderate number of claims across the injury types that were a priori linked to hazard-slips, trips, falls (~20% of total claims), but the apprenticeship standard does not include training components that align with the topic (Figure 4.24.2). Therefore, there are significant gaps in ergonomics; housekeeping & cleanliness; PPE; safe handling of equipment; and hazard-slips, trips, falls training that need to be addressed.



Figure 4.24.2: Heat map of the presence of each OHS topic and sum of claims of injury types linked to the OHS topic. Sum of claims in each trade is presented as a percentage of the total claims. The following OHS topics were identified in the apprenticeship standard but are not presented on the heatmap because we did not make a priori links to any injury type: communication, emergency preparedness, legislation, lockout/tag out, and psychosocial. OHS topics that were not identified in the apprenticeship standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.24.8. Key takeaways

- Most common injury types: MSD, struck by object, fall on same level, struck against object, and fall to lower level. 152
- OHS training components in the curriculum and apprenticeship standards align with 14 and 14 researcher-identified OHS topics, respectively.
- There are significant gaps in ergonomics and safe handling of equipment training that need to be addressed in the curriculum standard. Additionally, there are significant gaps in ergonomics; housekeeping & cleanliness; PPE; safe handling of equipment; and hazard-slips, trips, falls training that need to be addressed in the apprenticeship standard.
- Training related to prevention of workplace violence and harassment was absent in training standards.

4.25. Institutional Cook

4.25.1. Codes

Trade Code: 415D

NOC 2016: 6322

NOC 2021: 63200

SOC Code: 35-2012.00

CIP Code: 12.05

4.25.2. Description

According to Skilled Trades Ontario, an Institutional Cook prepares meals in both small and large quantities using bulk-cooking methods in conventional, cook chill or cook freeze environments. An Institutional Cook prepares food to meet individual dietary needs, including health, religious needs, ethnic preferences and budgetary requirements. An Institutional Cook may work in retirement or long-term care homes, hospitals, childcare centres, school dining areas, correctional facilities and corporate environments.

4.25.3. OHS training components in curriculum standard

The curriculum standard consists of 360 hours of training, of which nearly 39 hours (~11% of total curriculum hours) is required for OHS training. The curriculum standard includes training components that align with 10 researcher-identified OHS topics: emergency preparedness, ergonomics, hazard-biological, hazard-chemical, housekeeping & cleanliness, legislation, PPE, safe handling of equipment, safe handling of hazardous materials, and safe work processes. Housekeeping & cleanliness has the highest hours (~26% of total OHS training) whereas ergonomics has the lowest hours (~1% of total OHS training).

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.25.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 9 researcher-identified OHS topics: emergency preparedness; ergonomics; hazard-slips, trips, falls; housekeeping & cleanliness; legislation; PPE; safe handling of equipment; safe handling of hazardous materials; and safe work processes.

We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

Two OHS topics (hazard-biological and hazard-chemical) were identified only in the curriculum standard but not in the apprenticeship standard. On the other hand, one OHS topic (hazard-slips, trips, falls) was identified only in the apprenticeship standard but not in the curriculum standard.

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.25.5. Injury statistics

Based on the WSIB injury statistics, there were 5612 accepted lost-time claims reported from 2015-2020. The most common claims are struck by object (~30% of total claims), contact with temperature extremes (~18% of total claims), MSD (~17% of total claims), fall on same level (~12% of total claims), and struck against object (~7% of total claims) (Annex A). The average cost of claim was approximately \$3,951. The average cost of claim for each injury type ranged from \$0 to \$19,595 (Annex A). The total days lost across all claims was 128,582. The total days lost for each injury type ranged from 0 to 35,907 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.25.6. Gap analysis in curriculum standard

According to our gap analysis, there is a high number of claims across the injury types that were a priori linked to hazard-tools/machines (~41% of total claims); however, the curriculum standard does not include training components that align with the topic (Figure 4.25.1). We also found high number of claims across the injury types that were a priori linked to PPE (~43% of total claims), but the curriculum standard includes low number of hours for training components that align with the topic (Figure 4.25.1). Therefore, there are significant gaps in hazard-tools/machines and PPE training that need to be addressed.

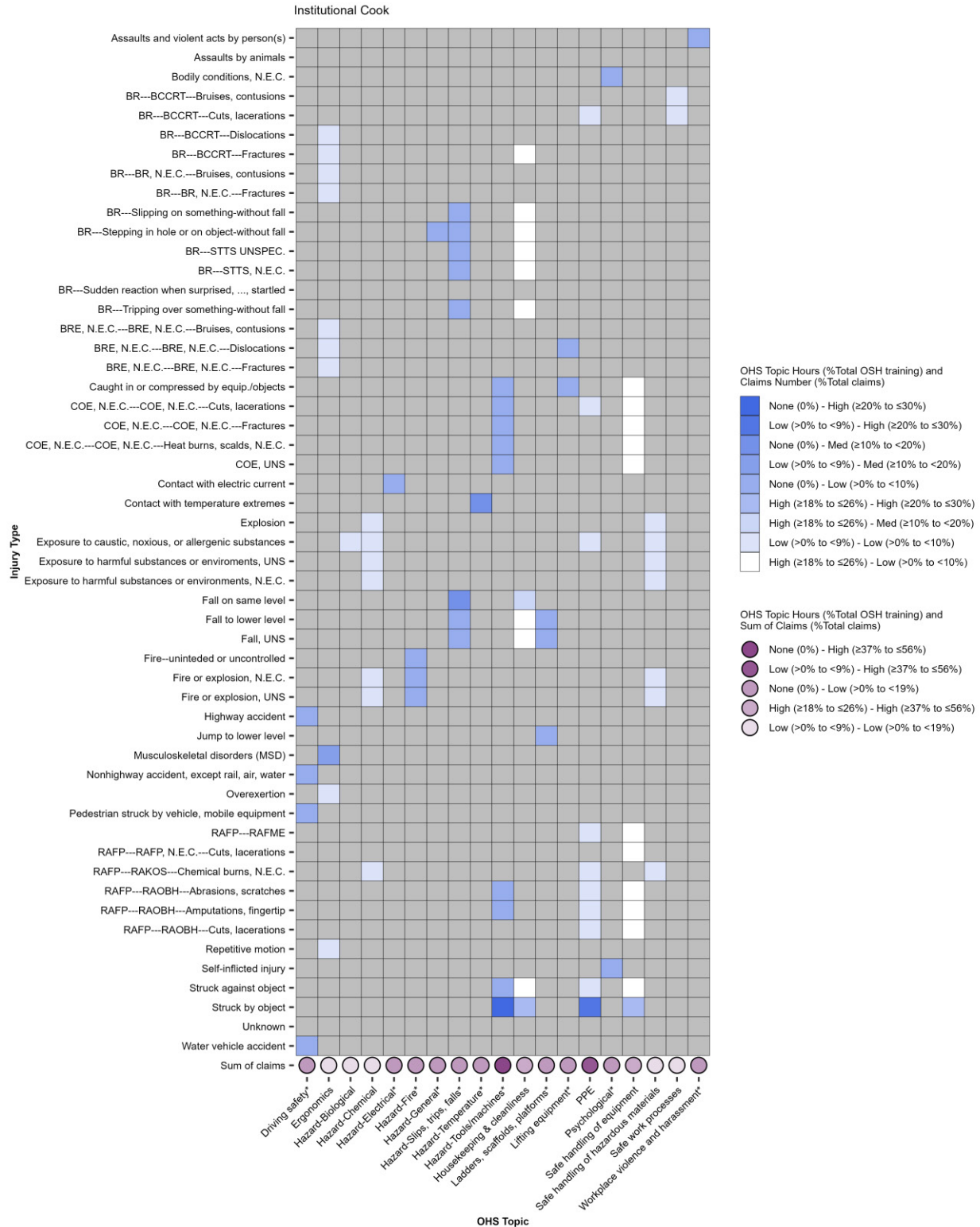


Figure 4.25.1: Heat map of the number of each OHS topic hours and sum of claims of injury types linked to the OHS topic for each trade. OHS topic hours are presented as a

percentage of the total OHS training. Sum of claims is presented as a percentage of the total claims. The following OHS topics were identified in the curriculum standard but are not presented on the heatmap because we did not make a priori links to any injury type: emergency preparedness (Low; 4%) and legislation (High; 19%). OHS topics that were not identified in the curriculum standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.25.7. Gap analysis in apprenticeship standard

Based on our gap analysis, there is a high number of claims across the injury types that were a priori linked to hazard-tools/machines (~41% of total claims); however, the apprenticeship standard does not include training components that align with the topic (Figure 4.25.2). We also found high number of claims across the injury types that were a priori linked to housekeeping & cleanliness (~56% of total claims), PPE (~43% of total claims), and safe handling of equipment (~41% of total claims) although the apprenticeship standard includes training components that align with the topics (Figure 4.25.2). Therefore, there are significant gaps in hazard-tools/machines, housekeeping & cleanliness, PPE, and safe handling of equipment training that need to be addressed.

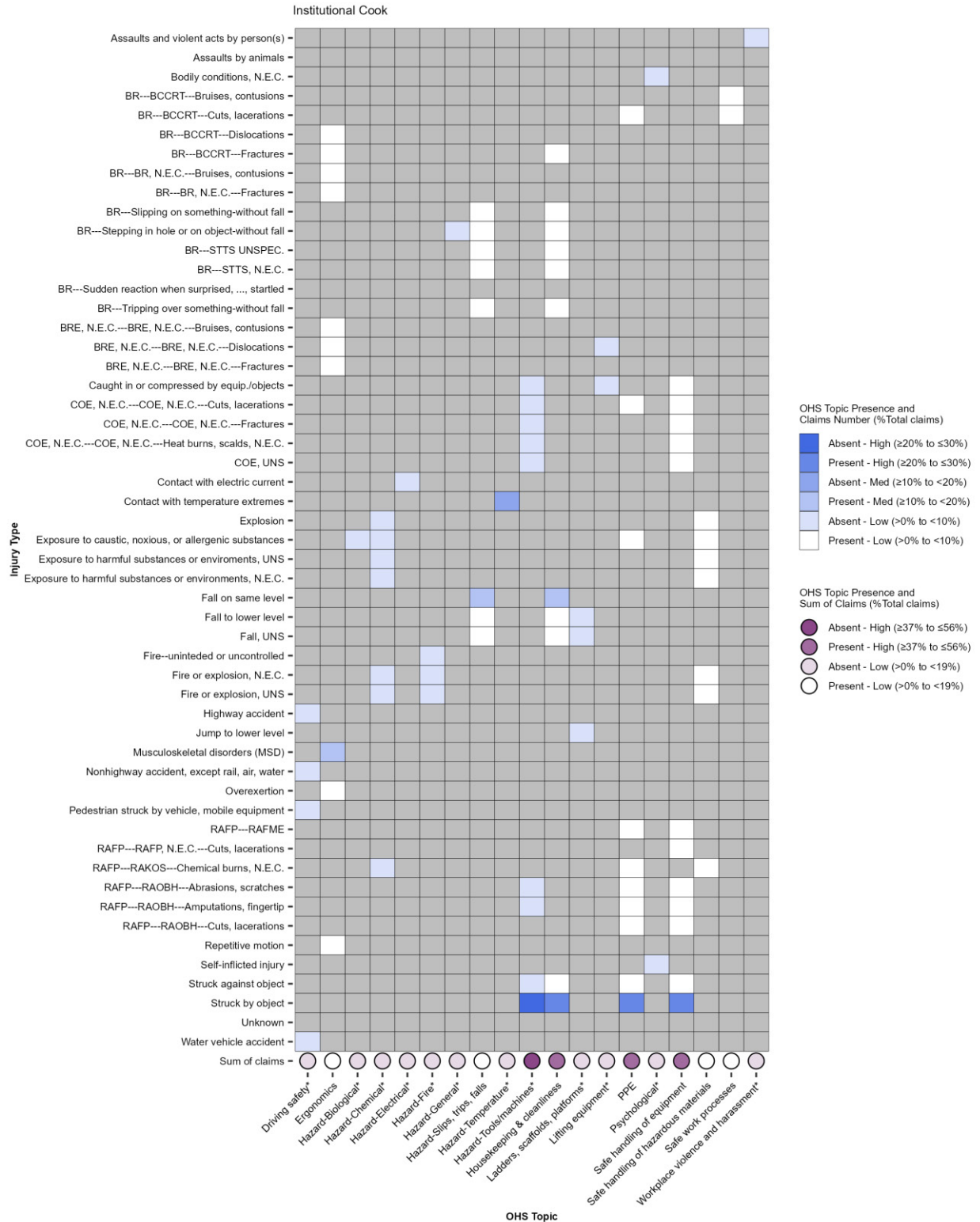


Figure 4.25.2: Heat map of the presence of each OHS topic and sum of claims of injury types linked to the OHS topic. Sum of claims in each trade is presented as a percentage of the

total claims. The following OHS topics were identified in the apprenticeship standard but are not presented on the heatmap because we did not make a priori links to any injury type: emergency preparedness and legislation. OHS topics that were not identified in the apprenticeship standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.25.8. Key takeaways

- Most common injury types: struck by object, contact with temperature extremes, MSD, fall on same level, and struck against object. 159
- OHS training components in the curriculum and apprenticeship standards align with 10 and 9 researcher-identified OHS topics, respectively.
- There are significant gaps in hazard-tools/machines and PPE training that need to be addressed in the curriculum standard. Additionally, there are significant gaps in hazard-tools/machines, housekeeping & cleanliness, PPE, and safe handling of equipment training that need to be addressed in the apprenticeship standard.
- Mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment were absent in training standards.

4.26. IT - Contact Centre Customer Service Agent

4.26.1. Codes

Trade Code: 634E

NOC 2016: 6552

NOC 2021: 64409

SOC Code: 43-4051.00

CIP Code: 11.1006

4.26.2. Description

According to Skilled Trades Ontario, an IT – Contact Centre Customer Service Agent demonstrates competency in the following: maintaining a contact centre, environment, communicating, providing customer service, creating and maintaining documentation, supporting others and planning for personal development, and maintaining privacy and security.

4.26.3. OHS training components in curriculum standard

The curriculum standard does not include any training components that align with researcher-identified OHS topics.

4.26.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 12 researcher-identified OHS topics: communication, ergonomics, hazard-general, hazard-light, hazard-noise, hazard-temperature, hazard-ventilation, housekeeping & cleanliness, legislation, safe handling of equipment, safe handling of hazardous materials, and safe work processes.

We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

Twelve OHS topics (communication, ergonomics, hazard-general, hazard-light, hazard-noise, hazard-temperature, hazard-ventilation, housekeeping & cleanliness, legislation, safe handling of equipment, safe handling of hazardous materials, and safe work processes) were identified only in the apprenticeship standard but not in the curriculum standard.

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.26.5. Injury statistics

Based on the WSIB injury statistics, there were 3004 accepted lost-time claims reported from 2015-2020. The most common claims are MSD (~31% of total claims), fall on same level (~26% of total claims), struck by object (~11% of total claims), struck against object (~8% of total claims), and exposure to caustic, noxious, or allergenic substances (~4% of total claims) (Annex A). The average cost of claim was approximately \$6,116. The average cost of claim for each injury type ranged from \$110 to \$30,706 (Annex A). The total days lost across all claims was 76,491. The total days lost for each injury type ranged from 0 to 23,196 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.26.6. Gap analysis in curriculum standard

According to our gap analysis, there is a high number of claims across the injury types that were a priori linked to housekeeping & cleanliness (~55% of total claims); however, the curriculum standard does not include training components that align with the topic (Figure 4.27.1). We also found moderate number of claims across the injury types that were a priori linked to ergonomics (~32% of total claims); hazard-slips, trips, falls (~35% of total claims); hazard-tools/machines (~21% of total claims); PPE (~24% of total claims); and safe handling of equipment (~21% of total claims), but the curriculum standard does not include training components that align with the topics (Figure 4.27.1). Therefore, there are significant gaps in

housekeeping & cleanliness; ergonomics; hazard-slips, trips, falls; hazard-tools/machines; PPE; and safe handling of equipment training that need to be addressed.



Figure 4.27.1: Heat map of the number of each OHS topic hours and sum of claims of injury types linked to the OHS topic for each trade. OHS topic hours are presented as a percentage of the total OHS training. Sum of claims is presented as a percentage of the total claims. The following OHS topics were identified in the curriculum standard but are not presented on the heatmap because we did not make a priori links to any injury type: OHS topics that were not identified in the curriculum standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.26.7. Gap analysis in apprenticeship standard

Based on our gap analysis, there is a high number of claims across the injury types that were a priori linked to housekeeping & cleanliness (~55% of total claims) although the apprenticeship standard includes training components that align with the topic (Figure 4.27.2). We also found moderate number of claims across the injury types that were a priori linked to hazard-slips, trips, falls (~35% of total claims); hazard-tools/machines (~21% of total claims); and PPE (~24% of total claims), but the apprenticeship standard does not include training components that align with the topics (Figure 4.27.2). Therefore, there are significant gaps in housekeeping & cleanliness; hazard-slips, trips, falls; hazard-tools/machines; and PPE training that need to be addressed.

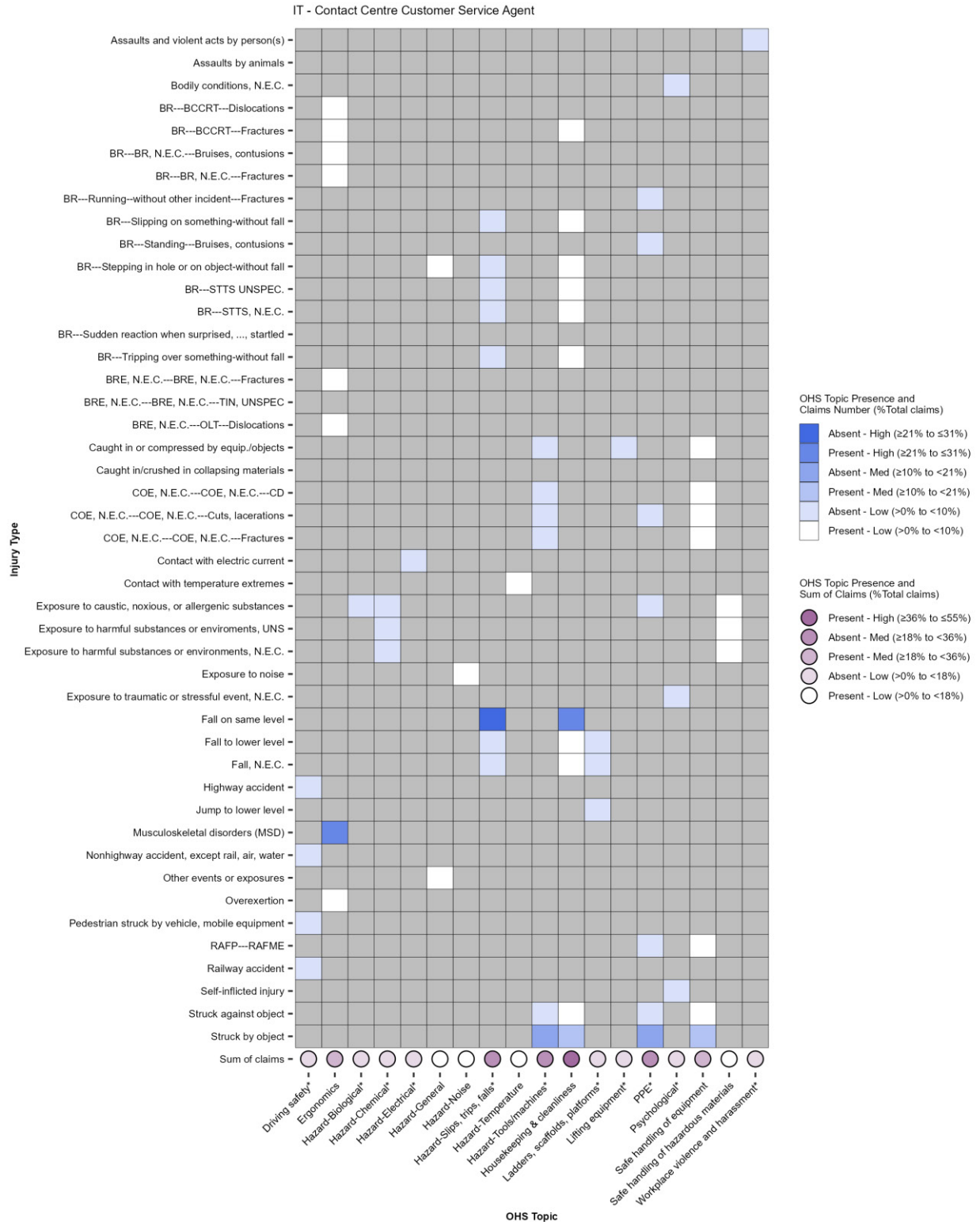


Figure 4.27.2: Heat map of the presence of each OHS topic and sum of claims of injury types linked to the OHS topic. Sum of claims in each trade is presented as a percentage of the

total claims. The following OHS topics were identified in the apprenticeship standard but are not presented on the heatmap because we did not make a priori links to any injury type: communication, hazard-light, hazard-ventilation, legislation, and safe work processes. OHS topics that were not identified in the apprenticeship standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.26.8. Key takeaways

- Most common injury types: MSD, fall on same level, struck by object, struck against object, and exposure to caustic, noxious, or allergenic substances. 165
- OHS training components in the apprenticeship standard align with 12 researcher-identified OHS topics.
- There are significant gaps in housekeeping & cleanliness; ergonomics; hazard-slips, trips, falls; hazard-tools/machines; PPE; and safe handling of equipment training that need to be addressed in the curriculum standard. Additionally, there are significant gaps in housekeeping & cleanliness; hazard-slips, trips, falls; hazard-tools/machines; and PPE training that need to be addressed in the apprenticeship standard.
- Mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment were absent in training standards.

4.27. IT - Contact Centre Sales Agent

4.27.1. Codes

Trade Code: 634D

NOC 2016: 6552

NOC 2021: 64409

SOC Code: 43-4051.00

CIP Code: 11.1006

4.27.2. Description

According to Skilled Trades Ontario, an IT – Contact Centre Sales Agent demonstrates competency in the following: maintaining a contact centre environment, communicating, providing customer service, providing sales and service, creating and maintaining documentation, supporting others and planning for personal development, and maintaining privacy and security

4.27.3. OHS training components in curriculum standard

The curriculum standard does not include any training components that align with researcher-identified OHS topics.

4.27.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 12 researcher-identified OHS topics: communication, ergonomics, hazard-general, hazard-light, hazard-noise, hazard-temperature, hazard-ventilation, housekeeping & cleanliness, legislation, safe handling of equipment, safe handling of hazardous materials, and safe work processes.

We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

Twelve OHS topics (communication, ergonomics, hazard-general, hazard-light, hazard-noise, hazard-temperature, hazard-ventilation, housekeeping & cleanliness, legislation, safe handling of equipment, safe handling of hazardous materials, and safe work processes) were identified only in the apprenticeship standard but not in the curriculum standard.

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.27.5. Injury statistics

Based on the WSIB injury statistics, there were 3004 accepted lost-time claims reported from 2015-2020. The most common claims are MSD (~31% of total claims), fall on same level (~26% of total claims), struck by object (~11% of total claims), struck against object (~8% of total claims), and exposure to caustic, noxious, or allergenic substances (~4% of total claims) (Annex A). The average cost of claim was approximately \$6,116. The average cost of claim for each injury type ranged from \$110 to \$30,706 (Annex A). The total days lost across all claims was 76,491. The total days lost for each injury type ranged from 0 to 23,196 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.27.6. Gap analysis in curriculum standard

According to our gap analysis, there is a high number of claims across the injury types that were a priori linked to housekeeping & cleanliness (~55% of total claims); however, the curriculum standard does not include training components that align with the topic (Figure 4.30.1). We also found moderate number of claims across the injury types that were a priori linked to ergonomics (~32% of total claims); hazard-slips, trips, falls (~35% of total claims); hazard-tools/machines (~21% of total claims); PPE (~24% of total claims); and safe handling of equipment (~21% of total claims), but the curriculum standard does not include training components that align with the topics (Figure 4.30.1). Therefore, there are significant gaps in

housekeeping & cleanliness; ergonomics; hazard-slips, trips, falls; hazard-tools/machines; PPE; and safe handling of equipment training that need to be addressed.



Figure 4.30.1: Heat map of the number of each OHS topic hours and sum of claims of injury types linked to the OHS topic for each trade. OHS topic hours are presented as a percentage of the total OHS training. Sum of claims is presented as a percentage of the total claims. The following OHS topics were identified in the curriculum standard but are not presented on the heatmap because we did not make a priori links to any injury type: OHS topics that were not identified in the curriculum standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.27.7. Gap analysis in apprenticeship standard

Based on our gap analysis, there is a high number of claims across the injury types that were a priori linked to housekeeping & cleanliness (~55% of total claims) although the apprenticeship standard includes training components that align with the topic (Figure 4.30.2). We also found moderate number of claims across the injury types that were a priori linked to hazard-slips, trips, falls (~35% of total claims); hazard-tools/machines (~21% of total claims); and PPE (~24% of total claims), but the apprenticeship standard does not include training components that align with the topics (Figure 4.30.2). Therefore, there are significant gaps in housekeeping & cleanliness; hazard-slips, trips, falls; hazard-tools/machines; and PPE training that need to be addressed.

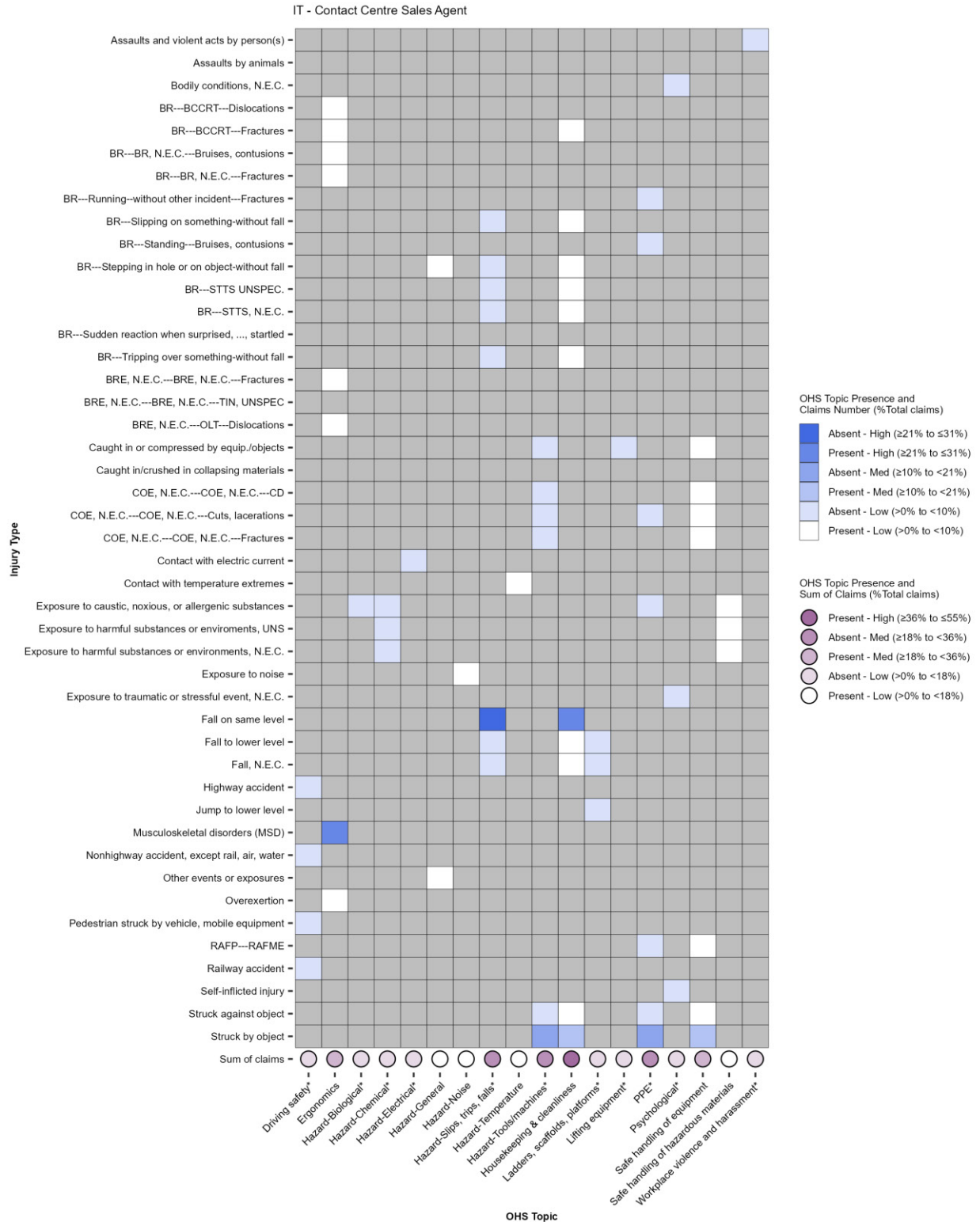


Figure 4.30.2: Heat map of the presence of each OHS topic and sum of claims of injury types linked to the OHS topic. Sum of claims in each trade is presented as a percentage of the

total claims. The following OHS topics were identified in the apprenticeship standard but are not presented on the heatmap because we did not make a priori links to any injury type: communication, hazard-light, hazard-ventilation, legislation, and safe work processes. OHS topics that were not identified in the apprenticeship standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.27.8. Key takeaways

- Most common injury types: MSD, fall on same level, struck by object, struck against object, and exposure to caustic, noxious, or allergenic substances. 171
- OHS training components in the apprenticeship standard align with 12 researcher-identified OHS topics.
- There are significant gaps in housekeeping & cleanliness; ergonomics; hazard-slips, trips, falls; hazard-tools/machines; PPE; and safe handling of equipment training that need to be addressed in the curriculum standard. Additionally, there are significant gaps in housekeeping & cleanliness; hazard-slips, trips, falls; hazard-tools/machines; and PPE training that need to be addressed in the apprenticeship standard.
- Mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment were absent in training standards.

4.28. IT - Contact Centre Technical Support Agent

4.28.1. Codes

Trade Code: 634A

NOC 2016: 2282

NOC 2021: 22221

SOC Code: 15-1232.00

CIP Code: 11.1006

4.28.2. Description

According to Skilled Trades Ontario, an IT – Contact Centre Technical Support Agent demonstrates competency in the following: maintaining a contact centre environment, communicating, providing customer service, creating and maintaining documentation, supporting others and planning for personal development, maintaining privacy and security, installing microcomputer operating systems and components, configuring, servicing and replacing microcomputer systems and components, and using troubleshooting strategies

4.28.3. OHS training components in curriculum standard

The curriculum standard does not include any training components that align with researcher-identified OHS topics.

4.28.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 12 researcher-identified OHS topics: communication, ergonomics, hazard-general, hazard-light, hazard-noise, hazard-temperature, hazard-ventilation, housekeeping & cleanliness, legislation, safe handling of equipment, safe handling of hazardous materials, and safe work processes.

We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

Twelve OHS topics (communication, ergonomics, hazard-general, hazard-light, hazard-noise, hazard-temperature, hazard-ventilation, housekeeping & cleanliness, legislation, safe handling of equipment, safe handling of hazardous materials, and safe work processes) were identified only in the apprenticeship standard but not in the curriculum standard.

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.28.5. Injury statistics

WSIB injury data was not available for this trade.

4.28.6. Gap analysis in curriculum standard

We could not conduct gap analysis in curriculum standard because WSIB injury data for this trade was not available.

4.28.7. Gap analysis in apprenticeship standard

We could not conduct gap analysis in apprenticeship standard because WSIB injury data for this trade was not available.

4.28.8. Key takeaways

- OHS training components in the apprenticeship standard align with 12 researcher-identified OHS topics. 173
- Mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment were absent in training standards.

4.29. IT - Hardware Technician

4.29.1. Codes

Trade Code: 634B

NOC 2016: 2282

NOC 2021: 22221

SOC Code: 15-1232.00

CIP Code: 15.1203

4.29.2. Description

According to Skilled Trades Ontario, an IT – Hardware Technician: assembles, repairs, and upgrades microcomputer systems, components and peripherals; and installs operating systems and application software.

4.29.3. OHS training components in curriculum standard

The curriculum standard consists of 630 hours of training, of which nearly 22 hours (~3% of total curriculum hours) is required for OHS training. The curriculum standard includes training components that align with 15 researcher-identified OHS topics: ergonomics, hazard-chemical, hazard-electrical, hazard-fire, hazard-general, hazard-light, hazard-noise, hazard-pressure, hazard-temperature, hazard-tools/machines, housekeeping & cleanliness, legislation, PPE, safe handling of equipment, and safe handling of hazardous materials. Safe handling of equipment has the highest hours (~17% of total OHS training) whereas hazard-noise and hazard-pressure have the lowest hours (~1% of total OHS training).

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.29.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 13 researcher-identified OHS topics: hazard-chemical; hazard-electrical; hazard-fire; hazard-noise; hazard-slips, trips, falls; hazard-tools/machines; hazard-ventilation; housekeeping & cleanliness; legislation; PPE; safe handling of equipment; safe handling of hazardous materials; and safe work processes.

We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

Five OHS topics (ergonomics, hazard-general, hazard-light, hazard-pressure, and hazard-temperature) were identified only in the curriculum standard but not in the apprenticeship standard. On the other hand, three OHS topics (hazard-slips, trips, falls; hazard-ventilation; and safe work processes) were identified only in the apprenticeship standard but not in the curriculum standard.

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.29.5. Injury statistics

WSIB injury data was not available for this trade.

4.29.6. Gap analysis in curriculum standard

We could not conduct gap analysis in curriculum standard because WSIB injury data for this trade was not available.

4.29.7. Gap analysis in apprenticeship standard

We could not conduct gap analysis in apprenticeship standard because WSIB injury data for this trade was not available.

4.29.8. Key takeaways

- OHS training components in the curriculum and apprenticeship standards align with 15 and 13 researcher-identified OHS topics, respectively. 176
- Mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment were absent in training standards.

4.30. IT - Network Technician

4.30.1. Codes

Trade Code: 634C

NOC 2016: 2283

NOC 2021: 22222

SOC Code: 15-1231.00

CIP Code: 11.1001

4.30.2. Description

According to Skilled Trades Ontario, an IT – Network Technician: installs, configures and maintains client workstations and network servers connected by a local area network; and applies technical knowledge of data communication, standards, protocols and internet working concepts.

4.30.3. OHS training components in curriculum standard

The curriculum standard consists of 720 hours of training, of which nearly 28 hours (~4% of total curriculum hours) is required for OHS training. The curriculum standard includes training components that align with 13 researcher-identified OHS topics: ergonomics, hazard-chemical, hazard-electrical, hazard-fire, hazard-noise, hazard-pressure, hazard-tools/machines, housekeeping & cleanliness, legislation, PPE, safe handling of equipment, safe handling of hazardous materials, and safe work processes. Safe handling of equipment has the highest hours (~36% of total OHS training) whereas hazard-chemical, hazard-electrical, hazard-noise, hazard-pressure, and hazard-tools/machines have the lowest hours (~2% of total OHS training).

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.30.4. OHS training components in apprenticeship standard

The apprenticeship standard does not include any training components that align with researcher-identified OHS topics.

We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

Thirteen OHS topics (ergonomics, hazard-chemical, hazard-electrical, hazard-fire, hazard-noise, hazard-pressure, hazard-tools/machines, housekeeping & cleanliness, legislation, PPE, safe handling of equipment, safe handling of hazardous materials, and safe work processes) were identified only in the curriculum standard but not in the apprenticeship standard.

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.30.5. Injury statistics

WSIB injury data was not available for this trade.

4.30.6. Gap analysis in curriculum standard

We could not conduct gap analysis in curriculum standard because WSIB injury data for this trade was not available.

4.30.7. Gap analysis in apprenticeship standard

We could not conduct gap analysis in apprenticeship standard because WSIB injury data for this trade was not available.

4.30.8. Key takeaways

- OHS training components in the curriculum standard align with 13 researcher-identified OHS topics. 179
- Mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment were absent in training standards.

4.31. Micro Electronics Manufacturer

4.31.1. Codes

Trade Code: 630A

NOC 2016: 2241

NOC 2021: 22310

SOC Code: 17-3023.00

CIP Code: 47.0105

4.31.2. Description

According to Skilled Trades Ontario, a Micro Electronics Manufacturer: operates and monitor process equipment including manual, automatic and semi- automatic; manufacturing equipment to produce micro-electronic products; sets up process equipment and adhere to clean room procedures; performs some or all the following tasks with the above mentioned process equipment using micro-electronic manufacturing equipment to spin coat, photo align, develop, etch, measure, implant oxides, sputter, print, test, inspect, measure, dice and bake; identifies and mark/record defective products; collects, record and summarize inspection and test results; operates various testing equipment and tools; compares test results to specifications and take action; maintains detailed and complete process result reports; maintains a product tracking system; and participates in continuous process improvement programs

4.31.3. OHS training components in curriculum standard

This trade program does not include a curriculum standard. However, there is a Schedule of Training document which includes an outline of the in-school training components for this trade program. Based on the outline, we identified three OHS topics (legislation, safe work processes, and safe handling of hazardous materials).

4.31.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 6 researcher-identified OHS topics: housekeeping & cleanliness, legislation, PPE, safe handling of equipment, safe handling of hazardous materials, and safe work processes. We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.31.5. Injury statistics

Based on the WSIB injury statistics, there were 178 accepted lost-time claims reported from 2015-2020. The most common claims are MSD (~39% of total claims), fall on same level (~16% of total claims), fall to lower level (~10% of total claims), struck against object and struck by object (~7% of total claims), and exposure to caustic, noxious, or allergenic substances (~3% of total claims) (Annex A). The average cost of claim was approximately \$17,671. The average cost of claim for each injury type ranged from \$96 to \$174,303 (Annex A). The total days lost across all claims was 11,911. The total days lost for each injury type ranged from 0 to 4,801 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.31.6. Gap analysis in curriculum standard

We could not conduct gap analysis in curriculum standard because this trade program does not include a curriculum standard.

4.31.7. Gap analysis in apprenticeship standard

Based on our gap analysis, there is a high number of claims across the injury types that were a priori linked to ergonomics (~42% of total claims) and hazard-slips, trips, falls (~31% of

total claims); however, the apprenticeship standard does not include training components that align with the topics (Figure 4.31.1). We also found high number of claims across the injury types that were a priori linked to housekeeping & cleanliness (~46% of total claims) although the apprenticeship standard includes training components that align with the topic (Figure 4.31.1). Therefore, there are significant gaps in ergonomics; hazard-slips, trips, falls; and housekeeping & cleanliness training that need to be addressed.

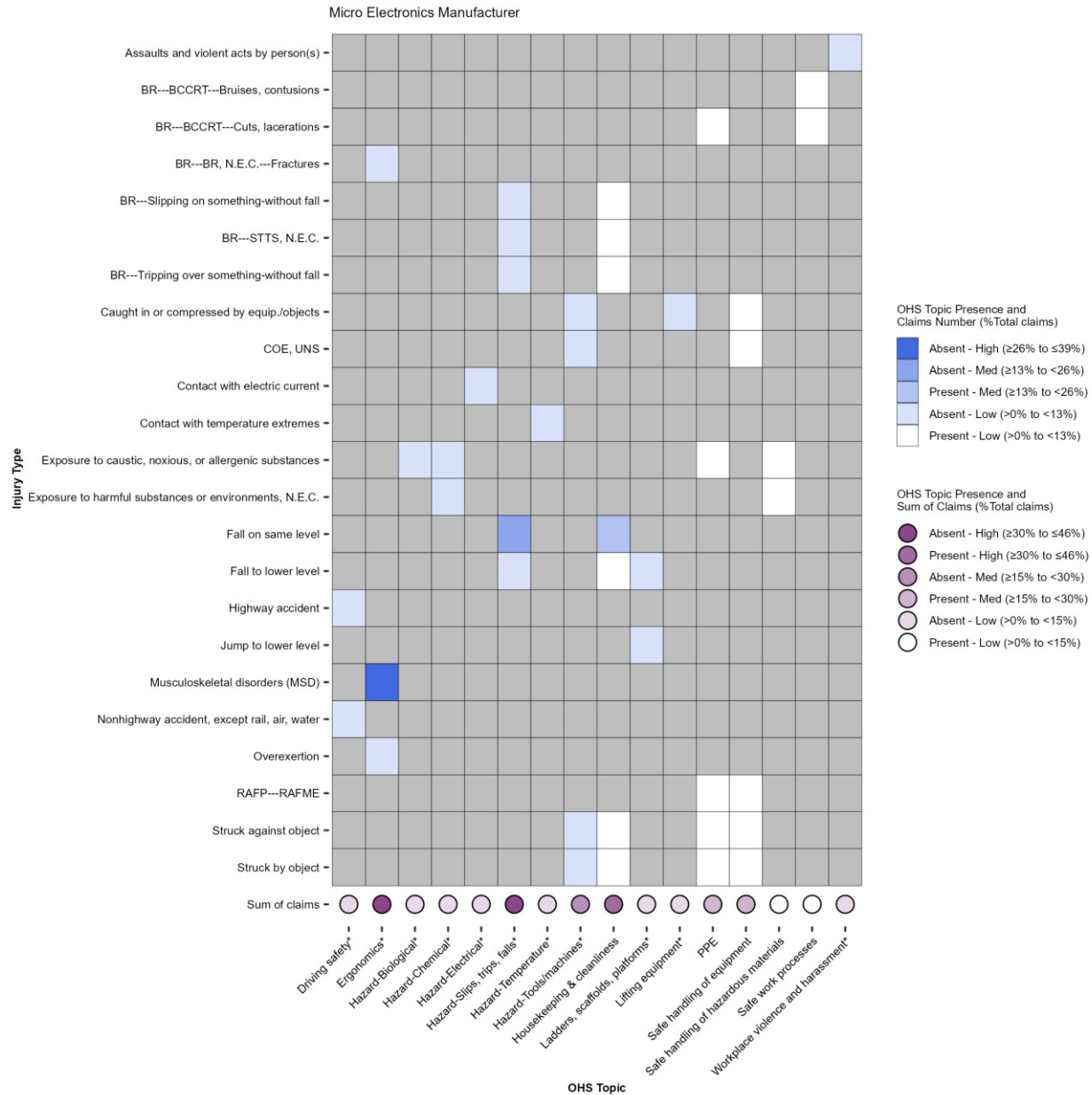


Figure 4.31.1: Heat map of the presence of each OHS topic and sum of claims of injury types linked to the OHS topic. Sum of claims in each trade is presented as a percentage of the total claims. The following OHS topics were identified in the apprenticeship standard but are not presented on the heatmap because we did not make a priori links to any injury type: legislation. OHS topics that were not identified in the apprenticeship standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.31.8. Key takeaways

- Most common injury types: MSD, fall on same level, fall to lower level, struck against object and struck by object, and exposure to caustic, noxious, or allergenic substances. 183
- OHS training components in the apprenticeship standard align with 6 researcher-identified OHS topics.
- There are significant gaps in ergonomics; hazard-slips, trips, falls; and housekeeping & cleanliness training that need to be addressed in the apprenticeship standard.
- Mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment were absent in the apprenticeship standard.

4.32. Native Clothing and Crafts Artisan

4.32.1. Codes

Trade Code: 296B

NOC 2016: 5244

NOC 2021: 53124

SOC Code: 27-1012.00

CIP Code: 50.0201

4.32.2. Description

According to Skilled Trades Ontario, a Native Clothing and Crafts Artisan designs and makes tailored garments and associated leather crafts and produces small crafts.

4.32.3. OHS training components in curriculum standard

This trade program does not include a curriculum standard.

4.32.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 9 researcher-identified OHS topics: communication, emergency preparedness, hazard-fire, housekeeping & cleanliness, legislation, PPE, safe handling of equipment, safe handling of hazardous materials, and safe work processes.

We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.32.5. Injury statistics

Based on the WSIB injury statistics, there were 41 accepted lost-time claims reported from 2015-2020. The most common claims are MSD (~46% of total claims), struck by object (~15% of total claims), fall on same level (~12% of total claims), caught in or compressed by equip./objects and contact with objects and equipment, N.E.C.---contact with objects and equipment, N.E.C.---cuts, lacerations (~5% of total claims) (Annex A). The average cost of claim was approximately \$3,953. The average cost of claim for each injury type ranged from \$256 to \$12,468 (Annex A). The total days lost across all claims was 904. The total days lost for each injury type ranged from 0 to 641 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.32.6. Gap analysis in curriculum standard

We could not conduct gap analysis in curriculum standard because this trade program does not include a curriculum standard.

4.32.7. Gap analysis in apprenticeship standard

Based on our gap analysis, there is a high number of claims across the injury types that were a priori linked to ergonomics (~49% of total claims); however, the apprenticeship standard does not include training components that align with the topic (Figure 4.32.1). We also found high number of claims across the injury types that were a priori linked to housekeeping & cleanliness (~34% of total claims) although the apprenticeship standard includes training components that align with the topic (Figure 4.32.1). Therefore, there are significant gaps in ergonomics and housekeeping & cleanliness training that need to be addressed.

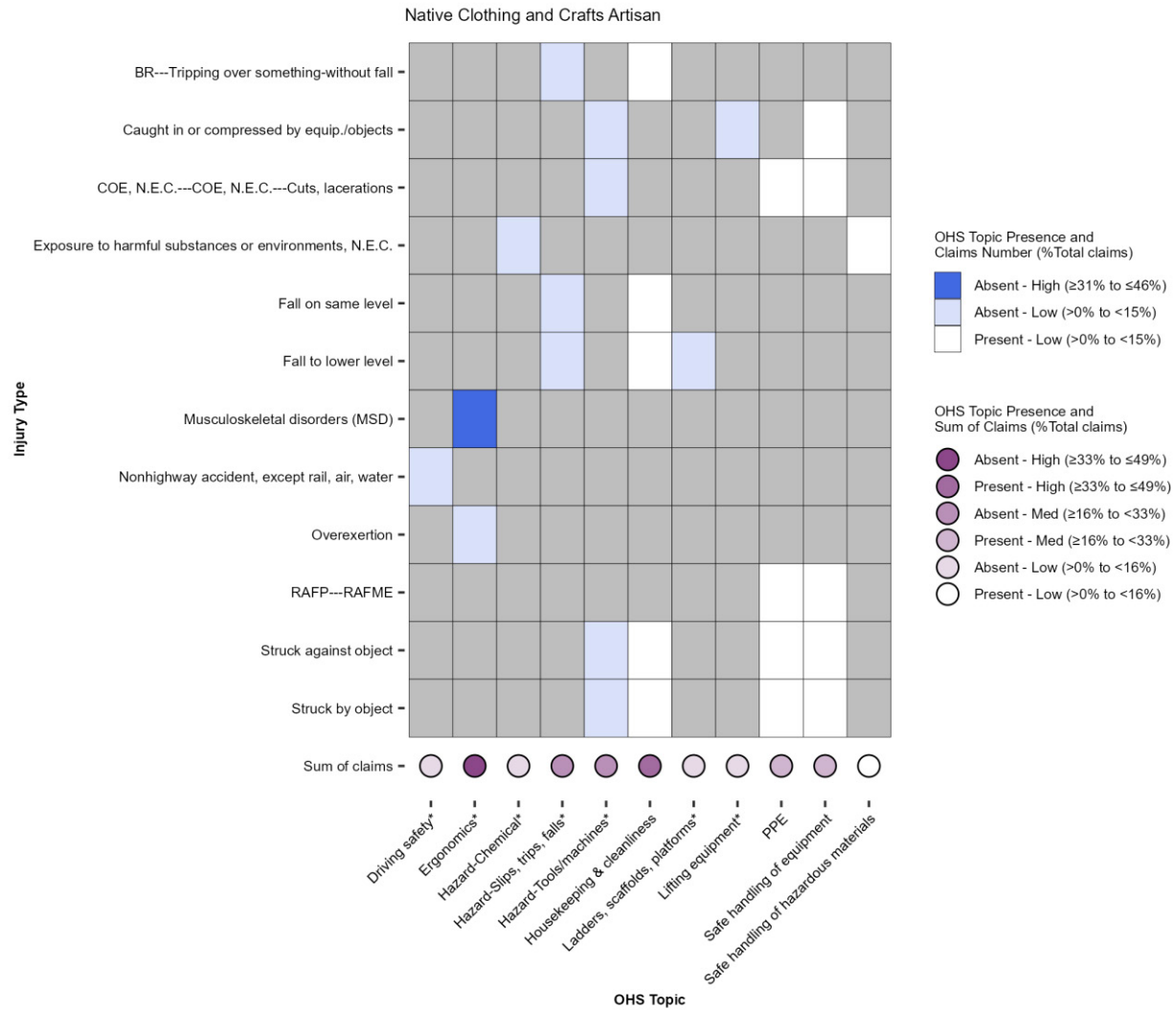


Figure 4.32.1: Heat map of the presence of each OHS topic and sum of claims of injury types linked to the OHS topic. Sum of claims in each trade is presented as a percentage of the total claims. The following OHS topics were identified in the apprenticeship standard but are not presented on the heatmap because we did not make a priori links to any injury type: communication, emergency preparedness, hazard-fire, legislation, and safe work processes. OHS topics that were not identified in the apprenticeship standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.32.8. Key takeaways

- Most common injury types: MSD, struck by object, fall on same level, caught in or compressed by equip./objects and contact with objects and equipment, N.E.C.---contact with objects and equipment, N.E.C.---cuts, lacerations 187
- OHS training components in the apprenticeship standard align with 9 researcher-identified OHS topics.
- There are significant gaps in ergonomics and housekeeping & cleanliness training that need to be addressed in the apprenticeship standard.
- Mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment were absent in the apprenticeship standard.

4.33. Network Cabling Specialist

4.33.1. Codes

Trade Code: 631A

NOC 2016: 7245

NOC 2021: 72204

SOC Code: 49-9052.00

CIP Code: 47.0103

4.33.2. Description

According to Skilled Trades Ontario, a Network Cabling Specialist installs, tests, labels and maintains low voltage communication distribution systems and signal sources to the terminal or equipment at the end of distribution systems, which comprise the architecture that supports voice, video and data transmissions within industrial, commercial, institutional and office complexes.

4.33.3. OHS training components in curriculum standard

The curriculum standard consists of 576 hours of training, of which nearly 40 hours (~7% of total curriculum hours) is required for OHS training. The curriculum standard includes training components that align with 14 researcher-identified OHS topics: communication, confined space, emergency preparedness, hazard-biological, hazard-chemical, hazard-electrical, hazard-general, housekeeping & cleanliness, legislation, lifting equipment, PPE, safe handling of equipment, safe handling of hazardous materials, and safe work processes. Lifting equipment has the highest hours (~16% of total OHS training) whereas safe work processes has the lowest hours (~1% of total OHS training).

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.33.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 14 researcher-identified OHS topics: communication; confined space; emergency preparedness; hazard-chemical; hazard-general; hazard-slips, trips, falls; housekeeping & cleanliness; legislation; lifting equipment; lockout/tag out; PPE; safe handling of equipment; safe handling of hazardous materials; and safe work processes.

We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

Two OHS topics (hazard-biological and hazard-electrical) were identified only in the curriculum standard but not in the apprenticeship standard. On the other hand, two OHS topics (hazard-slips, trips, falls and lockout/tag out) were identified only in the apprenticeship standard but not in the curriculum standard.

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.33.5. Injury statistics

Based on the WSIB injury statistics, there were 648 accepted lost-time claims reported from 2015-2020. The most common claims are MSD (~39% of total claims), fall on same level (~14% of total claims), struck by object (~11% of total claims), fall to lower level (~9% of total claims), and struck against object (~4% of total claims) (Annex A). The average cost of claim was approximately \$11,258. The average cost of claim for each injury type ranged from \$116 to \$101,076 (Annex A). The total days lost across all claims was 25,523. The total days lost for each injury type ranged from 0 to 9,984 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.33.6. Gap analysis in curriculum standard

According to our gap analysis, there is a high number of claims across the injury types that were a priori linked to ergonomics (~40% of total claims); however, the curriculum standard does not include training components that align with the topic (Figure 4.33.1). We also found high number of claims across the injury types that were a priori linked to housekeeping & cleanliness (~45% of total claims), but the curriculum standard includes low number of hours for training components that align with the topic (Figure 4.33.1). Therefore, there are significant gaps in ergonomics and housekeeping & cleanliness training that need to be addressed.

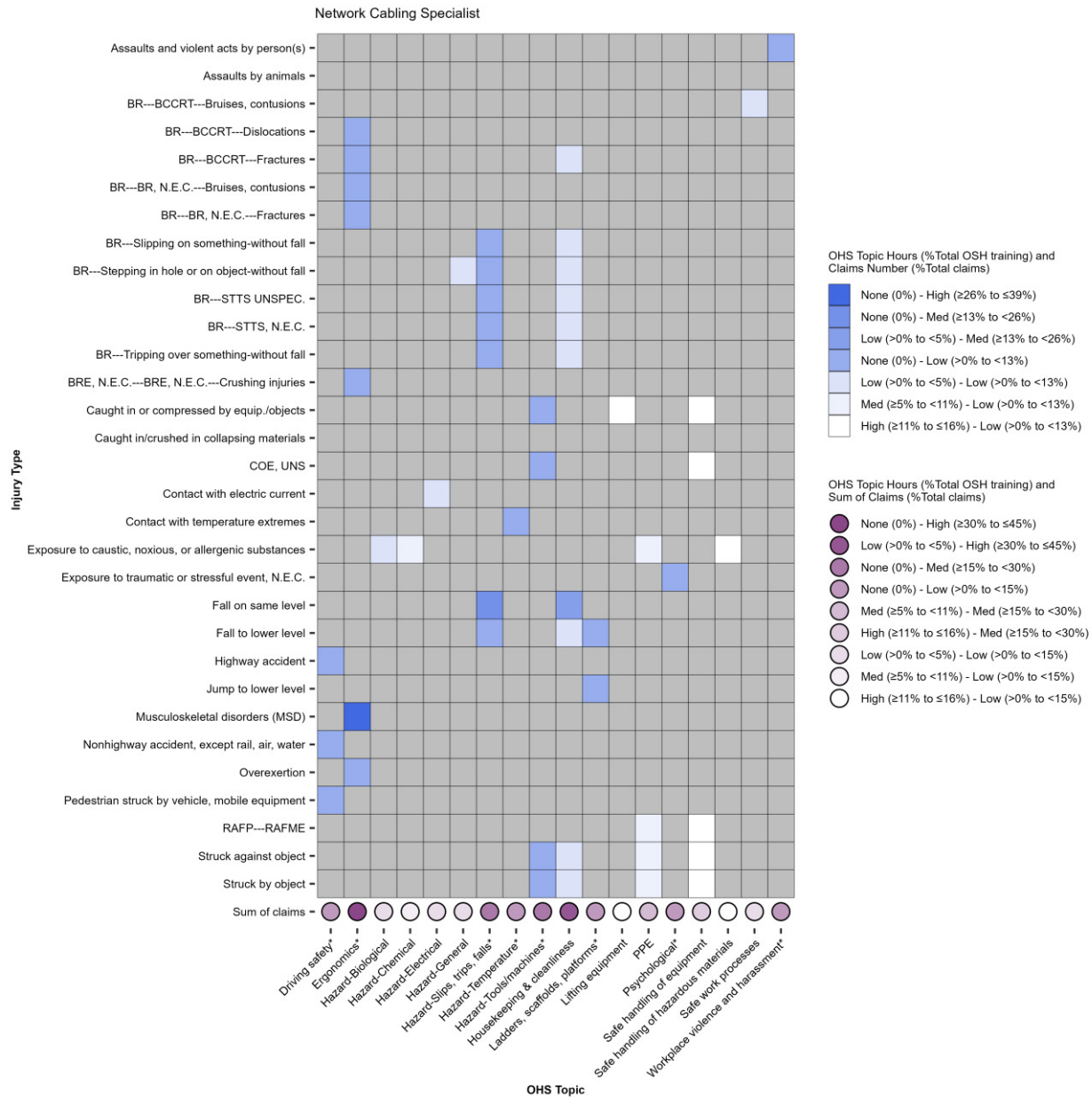


Figure 4.33.1: Heat map of the number of each OHS topic hours and sum of claims of injury types linked to the OHS topic for each trade. OHS topic hours are presented as a percentage of the total OHS training. Sum of claims is presented as a percentage of the total claims. The following OHS topics were identified in the curriculum standard but are not presented on the heatmap because we did not make a priori links to any injury type: communication (Low; 1%), confined space (Med; 9%), emergency preparedness (Med; 6%), and legislation (High; 16%). OHS topics that were not identified in the curriculum standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.33.7. Gap analysis in apprenticeship standard

Based on our gap analysis, there is a high number of claims across the injury types that were a priori linked to ergonomics (~40% of total claims); however, the apprenticeship standard does not include training components that align with the topic (Figure 4.33.2). We also found high number of claims across the injury types that were a priori linked to housekeeping & cleanliness (~45% of total claims) although the apprenticeship standard includes training components that align with the topic (Figure 4.33.2). Therefore, there are significant gaps in ergonomics and housekeeping & cleanliness training that need to be addressed.

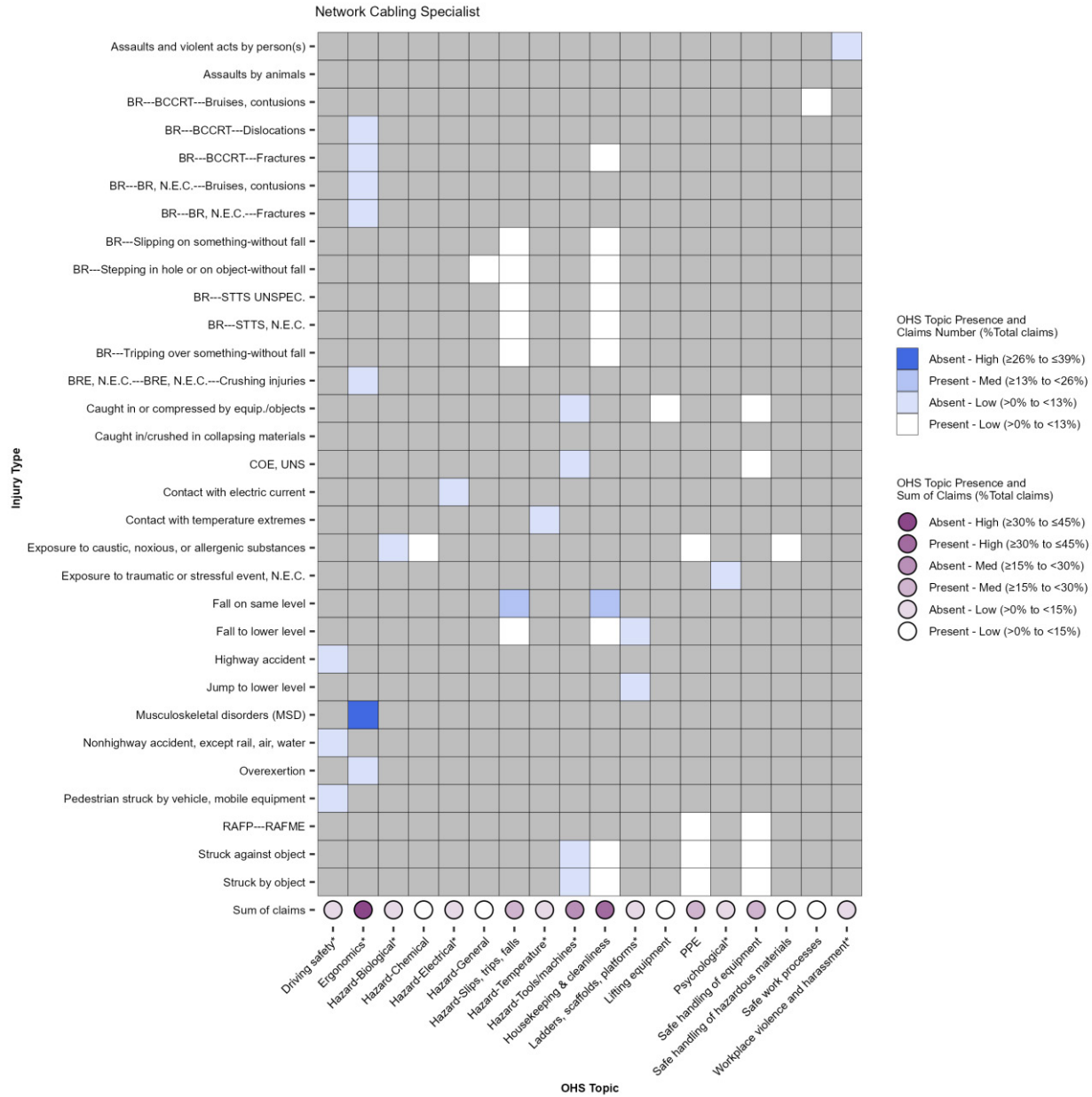


Figure 4.33.2: Heat map of the presence of each OHS topic and sum of claims of injury types linked to the OHS topic. Sum of claims in each trade is presented as a percentage of the total claims. The following OHS topics were identified in the apprenticeship standard but are not presented on the heatmap because we did not make a priori links to any injury type: communication, confined space, emergency preparedness, legislation, and lockout/tag out. OHS topics that were not identified in the apprenticeship standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.33.8. Key takeaways

- Most common injury types: MSD, fall on same level, struck by object, fall to lower level, and struck against object. 194
- OHS training components in the curriculum and apprenticeship standards align with 14 and 14 researcher-identified OHS topics, respectively.
- There are significant gaps in ergonomics and housekeeping & cleanliness training that need to be addressed in both training standards.
- Mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment were absent in training standards.

4.34. Parts Technician

RED SEAL

4.34.1. Codes

Trade Code: 240P

NOC 2016: 1522

NOC 2021: 14401

SOC Code: 53-7065.00

CIP Code: 47.0409

4.34.2. Description

According to Skilled Trades Ontario, a Parts Technician performs ordering, warehousing, inventory control and sales of parts, servicing a range of industries including motive power, appliance, heavy duty equipment and natural resources.

4.34.3. OHS training components in curriculum standard

The curriculum standard consists of 540 hours of training, of which nearly 28 hours (~5% of total curriculum hours) is required for OHS training. The curriculum standard includes training components that align with 14 researcher-identified OHS topics: communication, emergency preparedness, ergonomics, hazard-fire, hazard-light, hazard-pressure, hazard-ventilation, housekeeping & cleanliness, legislation, lifting equipment, PPE, safe handling of equipment, safe handling of hazardous materials, and safe work processes. PPE has the highest hours (~30% of total OHS training) whereas communication has the lowest hours (~1% of total OHS training).

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.34.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 14 researcher-identified OHS topics: communication; emergency preparedness; ergonomics; hazard-fire; hazard-pressure; hazard-slips, trips, falls; hazard-tools/machines; housekeeping & cleanliness; legislation; lifting equipment; PPE; safe handling of equipment; safe handling of hazardous materials; and safe work processes.

We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

Two OHS topics (hazard-light and hazard-ventilation) were identified only in the curriculum standard but not in the apprenticeship standard. On the other hand, two OHS topics (hazard-slips, trips, falls and hazard-tools/machines) were identified only in the apprenticeship standard but not in the curriculum standard.

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.34.5. Injury statistics

Based on the WSIB injury statistics, there were 852 accepted lost-time claims reported from 2015-2020. The most common claims are MSD (~46% of total claims), struck by object (~15% of total claims), fall on same level (~12% of total claims), struck against object (~8% of total claims), and fall to lower level (~4% of total claims) (Annex A). The average cost of claim was approximately \$6,046. The average cost of claim for each injury type ranged from \$89 to \$136,131 (Annex A). The total days lost across all claims was 24,629. The total days lost for each injury type ranged from 0 to 9,969 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.34.6. Gap analysis in curriculum standard

According to our gap analysis, there is a high number of claims across the injury types that were a priori linked to ergonomics (~47% of total claims) and housekeeping & cleanliness (~43% of total claims); however, the curriculum standard includes low number of hours for training components that align with the topics (Figure 4.34.1). We also found moderate number of claims across the injury types that were a priori linked to hazard-slips, trips, falls (~19% of total claims) and hazard-tools/machines (~27% of total claims), but the curriculum standard does not include training components that align with the topics (Figure 4.34.1). Therefore, there are significant gaps in ergonomics; housekeeping & cleanliness; hazard-slips, trips, falls; and hazard-tools/machines training that need to be addressed.



Figure 4.34.1: Heat map of the number of each OHS topic hours and sum of claims of injury types linked to the OHS topic for each trade. OHS topic hours are presented as a percentage of the total OSH training. Sum of claims is presented as a percentage of the total claims. The following OHS topics were identified in the curriculum standard but are not presented on the heatmap because we did not make a priori links to any injury type: communication (Low; 1%), emergency preparedness (Low; 2%), hazard-fire (Med; 11%), hazard-light (Low; 1%), hazard-pressure (Low; 1%), hazard-ventilation (Low; 1%), and

legislation (Low; 6%). OHS topics that were not identified in the curriculum standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.34.7. Gap analysis in apprenticeship standard

Based on our gap analysis, there is a high number of claims across the injury types that were a priori linked to ergonomics (~47% of total claims) and housekeeping & cleanliness (~43% of total claims) although the apprenticeship standard includes training components that align with the topics (Figure 4.34.2). We also found moderate number of claims across the injury types that were a priori linked to hazard-slips, trips, falls (~19% of total claims); hazard-tools/machines (~27% of total claims); PPE (~26% of total claims); and safe handling of equipment (~28% of total claims) although the apprenticeship standard includes training components that align with the topics (Figure 4.34.2). Therefore, there are significant gaps in ergonomics; housekeeping & cleanliness; hazard-slips, trips, falls; hazard-tools/machines; PPE; and safe handling of equipment training that need to be addressed.

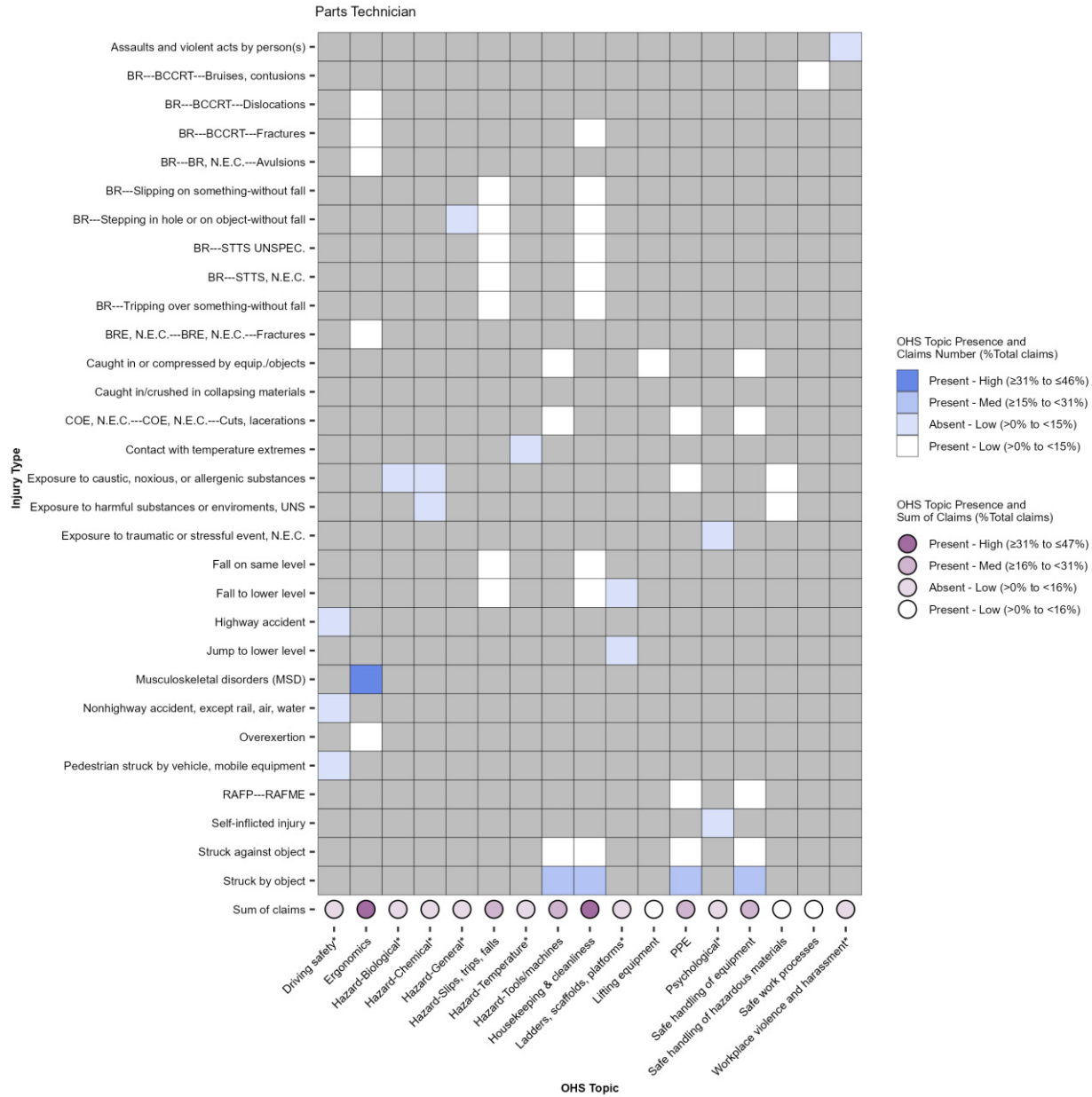


Figure 4.34.2: Heat map of the presence of each OHS topic and sum of claims of injury types linked to the OHS topic. Sum of claims in each trade is presented as a percentage of the total claims. The following OHS topics were identified in the apprenticeship standard but are not presented on the heatmap because we did not make a priori links to any injury type: communication, emergency preparedness, hazard-fire, hazard-pressure, and legislation. OHS topics that were not identified in the apprenticeship standard materials are denoted with an asterisk. See Appendix A for details on abbreviations.

4.34.8. Key takeaways

- Most common injury types: MSD, struck by object, fall on same level, struck against object, and fall to lower level. 201
- OHS training components in the curriculum and apprenticeship standards align with 14 and 14 researcher-identified OHS topics, respectively.
- There are significant gaps in ergonomics; housekeeping & cleanliness; hazard-slips, trips, falls; and hazard-tools/machines training that need to be addressed in the curriculum standard. Additionally, there are significant gaps in ergonomics; housekeeping & cleanliness; hazard-slips, trips, falls; hazard-tools/machines; PPE; and safe handling of equipment training that need to be addressed in the apprenticeship standard.
- Mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment were absent in training standards.

4.35. Pool, Hot Tub and Spa – Installer

4.35.1. Codes

Trade Code: 237T

NOC 2016: 7441

NOC 2021: 73200

SOC Code: 49-9099.00

CIP Code: 47.0000

4.35.2. Description

This trade is not listed on the Skilled Trades Ontario website.

4.35.3. OHS training components in curriculum standard

This trade program does not include a curriculum standard.

4.35.4. OHS training components in apprenticeship standard

This trade program does not include an apprenticeship standard.

4.35.5. Injury statistics

Based on the WSIB injury statistics, there were 2556 accepted lost-time claims reported from 2015-2020. The most common claims are MSD (~35% of total claims), struck by object (~17% of total claims), fall to lower level (~14% of total claims), fall on same level (~9% of total claims), and struck against object (~6% of total claims) (Annex A). The average cost of claim was approximately \$15,104. The average cost of claim for each injury type ranged from \$106 to \$197,936 (Annex A). The total days lost across all claims was 171,238. The total days lost for each injury type ranged from 0 to 58,213 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.35.6. Gap analysis in curriculum standard

We could not conduct gap analysis in curriculum standard because this trade program does not include a curriculum standard.

4.35.7. Gap analysis in apprenticeship standard

We could not conduct gap analysis in apprenticeship standard because this trade program does not include an apprenticeship standard.

4.35.8. Key takeaways

- Most common injury types: MSD, struck by object, fall to lower level, fall on same level, and struck against object.

4.36. Pool, Hot Tub and Spa - Service Technician

4.36.1. Codes

Trade Code: 237S

NOC 2016: 7441

NOC 2021: 73200

SOC Code: 49-9099.00

CIP Code: 47.0000

4.36.2. Description

This trade is not listed on the Skilled Trades Ontario website.

4.36.3. OHS training components in curriculum standard

This trade program does not include a curriculum standard.

4.36.4. OHS training components in apprenticeship standard

This trade program does not include an apprenticeship standard.

4.36.5. Injury statistics

Based on the WSIB injury statistics, there were 2556 accepted lost-time claims reported from 2015-2020. The most common claims are MSD (~35% of total claims), struck by object (~17% of total claims), fall to lower level (~14% of total claims), fall on same level (~9% of total claims), and struck against object (~6% of total claims) (Annex A). The average cost of claim was approximately \$15,104. The average cost of claim for each injury type ranged from \$106 to \$197,936 (Annex A). The total days lost across all claims was 171,238. The total days lost for each injury type ranged from 0 to 58,213 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.36.6. Gap analysis in curriculum standard

We could not conduct gap analysis in curriculum standard because this trade program does not include a curriculum standard.

4.36.7. Gap analysis in apprenticeship standard

We could not conduct gap analysis in apprenticeship standard because this trade program does not include an apprenticeship standard.

4.36.8. Key takeaways

- Most common injury types: MSD, struck by object, fall to lower level, fall on same level, and struck against object.

4.37. Retail Meat Cutter

4.37.1. Codes

Trade Code: 245R

NOC 2016: 6331

NOC 2021: 65202

SOC Code: 51-3021.00

CIP Code: 12.0506

4.37.2. Description

According to Skilled Trades Ontario, A Retail Meat Cutter prepares meat and poultry for the retail market by: demonstrating safe working practices and techniques, applying general work practices and merchandising, setting up and operating machinery, performing business practices / customer relations, preparing beef cuts, preparing pork cuts, preparing lamb cuts, preparing veal cuts, preparing poultry cuts, and preparing meat for sausage making.

4.37.3. OHS training components in curriculum standard

This trade program does not include a curriculum standard.

4.37.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 11 researcher-identified OHS topics: emergency preparedness; hazard-biological; hazard-general; hazard-slips, trips, falls; housekeeping & cleanliness; legislation; lifting equipment; PPE; safe handling of equipment; safe handling of hazardous materials; and safe work processes.

We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.37.5. Injury statistics

Based on the WSIB injury statistics, there were 633 accepted lost-time claims reported from 2015-2020. The most common claims are struck by object (~32% of total claims), MSD (~27% of total claims), struck against object (~15% of total claims), fall on same level (~9% of total claims), and caught in or compressed by equip./objects (~4% of total claims) (Annex A). The average cost of claim was approximately \$8,254. The average cost of claim for each injury type ranged from \$175 to \$186,409 (Annex A). The total days lost across all claims was 20,303. The total days lost for each injury type ranged from 0 to 6,932 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.37.6. Gap analysis in curriculum standard

We could not conduct gap analysis in curriculum standard because this trade program does not include a curriculum standard.

4.37.7. Gap analysis in apprenticeship standard

Based on our gap analysis, there is a high number of claims across the injury types that were a priori linked to hazard-tools/machines (~52% of total claims); however, the apprenticeship standard does not include training components that align with the topic (Figure 4.37.1). We also found high number of claims across the injury types that were a priori linked to housekeeping & cleanliness (~61% of total claims), PPE (~52% of total claims), and safe handling of equipment (~52% of total claims) although the apprenticeship standard includes training components that align with the topics (Figure 4.37.1). Therefore, there are

significant gaps in hazard-tools/machines, housekeeping & cleanliness, PPE, and safe handling of equipment training that need to be addressed.

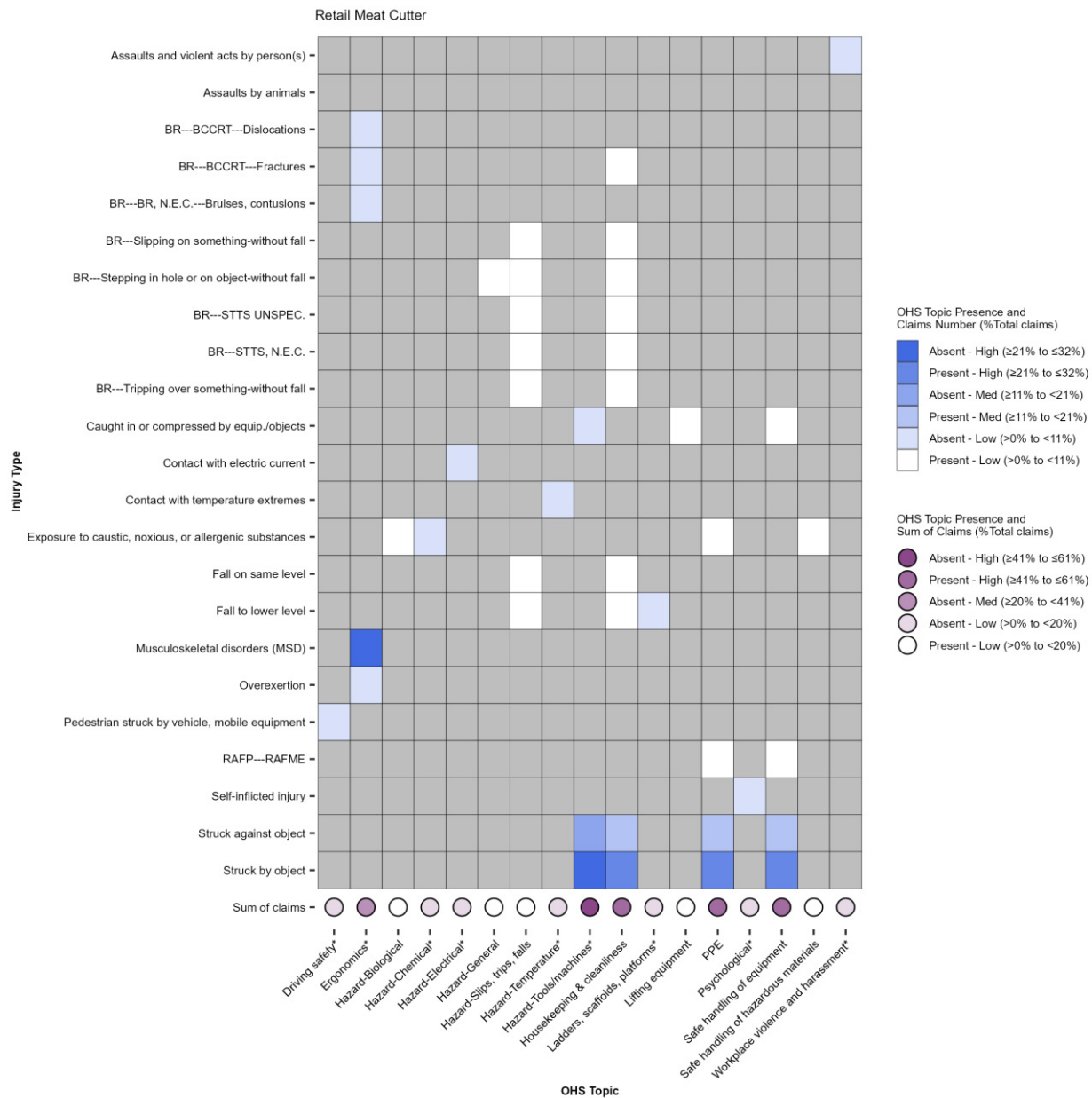


Figure 4.37.1: Heat map of the presence of each OHS topic and sum of claims of injury types linked to the OHS topic. Sum of claims in each trade is presented as a percentage of the total claims. The following OHS topics were identified in the apprenticeship standard but are not presented on the heatmap because we did not make a priori links to any injury type: emergency preparedness, legislation, and safe work processes. OHS topics that were not

identified in the apprenticeship standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.37.8. Key takeaways

- Most common injury types: struck by object, MSD, struck against object, fall on same level, and caught in or compressed by equip./objects. 209
- OHS training components in the apprenticeship standard align with 11 researcher-identified OHS topics.
- There are significant gaps in hazard-tools/machines, housekeeping & cleanliness, PPE, and safe handling of equipment training that need to be addressed in the apprenticeship standard.
- Mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment were absent in the apprenticeship standard.

4.38. Saddlery

4.38.1. Codes

Trade Code: 219C

NOC 2016: 9445

NOC 2021: 95105

SOC Code: 51-6041.00

CIP Code: 48.0304

4.38.2. Description

According to Skilled Trades Ontario, a Saddler designs, manufactures, rebuilds, and repairs saddles, saddle trees, harnesses, riding boots and associated tack for equestrian disciplines.

4.38.3. OHS training components in curriculum standard

This trade program does not include a curriculum standard. However, there is a Schedule of Training document which includes an outline of the in-school training components for this trade program. Based on the outline, we identified six OHS topics (safe handling of equipment, hazard-fire, hazard-general, PPE, safe handling of hazardous materials, and emergency preparedness).

4.38.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 11 researcher-identified OHS topics: communication, emergency preparedness, hazard-fire, housekeeping & cleanliness, legislation, lifting equipment, lockout/tag out, PPE, safe handling of equipment, safe handling of hazardous materials, and safe work processes.

We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.38.5. Injury statistics

Based on the WSIB injury statistics, there were 38 accepted lost-time claims reported from 2015-2020. The most common claims are MSD (~26% of total claims), struck against object (~24% of total claims), caught in or compressed by equip./objects (~18% of total claims), fall on same level and struck by object (~11% of total claims) (Annex A). The average cost of claim was approximately \$6,657. The average cost of claim for each injury type ranged from \$847 to \$21,470 (Annex A). The total days lost across all claims was 1,717. The total days lost for each injury type ranged from 0 to 1,152 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.38.6. Gap analysis in curriculum standard

We could not conduct gap analysis in curriculum standard because this trade program does not include a curriculum standard.

4.38.7. Gap analysis in apprenticeship standard

Based on our gap analysis, there is a high number of claims across the injury types that were a priori linked to hazard-tools/machines (~55% of total claims); however, the apprenticeship standard does not include training components that align with the topic (Figure 4.38.1). We also found high number of claims across the injury types that were a priori linked to housekeeping & cleanliness (~50% of total claims), PPE (~37% of total claims), and safe handling of equipment (~55% of total claims) although the apprenticeship standard includes training components that align with the topics (Figure 4.38.1). Therefore, there are

significant gaps in hazard-tools/machines, housekeeping & cleanliness, PPE, and safe handling of equipment training that need to be addressed.

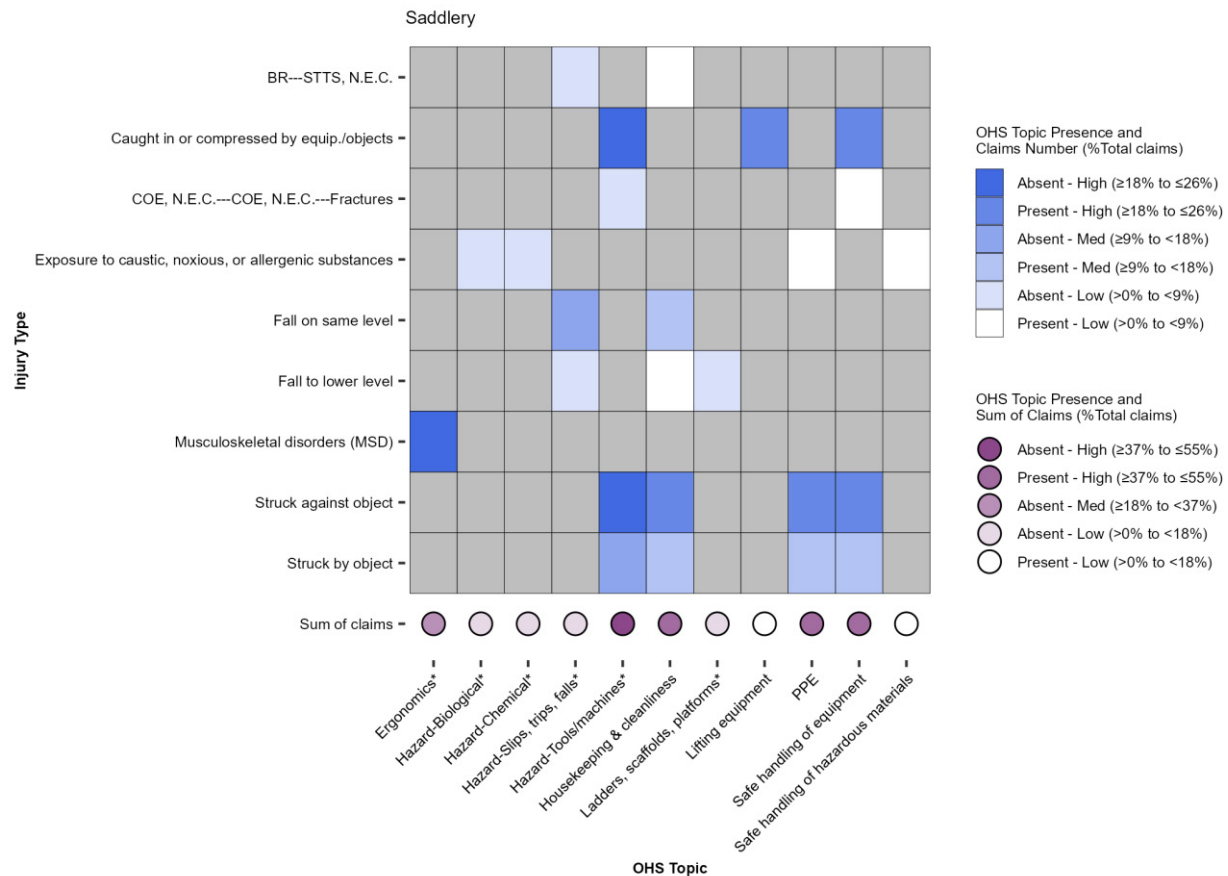


Figure 4.38.1: Heat map of the presence of each OHS topic and sum of claims of injury types linked to the OHS topic. Sum of claims in each trade is presented as a percentage of the total claims. The following OHS topics were identified in the apprenticeship standard but are not presented on the heatmap because we did not make a priori links to any injury type: communication, emergency preparedness, hazard-fire, legislation, lockout/tag out, and safe work processes. OHS topics that were not identified in the apprenticeship standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.38.8. Key takeaways

- Most common injury types: MSD, struck against object, caught in or compressed by equip./objects, fall on same level and struck by object

- OHS training components in the apprenticeship standard align with 11 researcher-identified OHS topics. 213
- There are significant gaps in hazard-tools/machines, housekeeping & cleanliness, PPE, and safe handling of equipment training that need to be addressed in the apprenticeship standard.
- Mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment were absent in the apprenticeship standard.

4.39. Special Events Coordinator

4.39.1. Codes

Trade Code: 297B

NOC 2016: 1226

NOC 2021: 12103

SOC Code: 13-1121.00

CIP Code: 52.0907

4.39.2. Description

According to Skilled Trades Ontario, a Special Events Coordinator assists in the coordination and execution of events such as meetings, conferences and conventions, sporting events, fundraising events, festivals, consumer and trade shows, incentive programs, product launches and weddings.

4.39.3. OHS training components in curriculum standard

This trade program does not include a curriculum standard. However, there is a Schedule of Training document which includes an outline of the in-school training components for this trade program. Based on the outline, we identified seven OHS topics (legislation, hazard-fire, hazard-general, emergency procedures, housekeeping & cleanliness, PPE, and safe handling of hazardous materials).

4.39.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 9 researcher-identified OHS topics: emergency preparedness; hazard-biological; hazard-slips, trips, falls; housekeeping & cleanliness; legislation; PPE; safe handling of equipment; safe handling of hazardous materials; and safe work processes.

We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.39.5. Injury statistics

Based on the WSIB injury statistics, there were 79 accepted lost-time claims reported from 2015-2020. The most common claims are fall on same level (~27% of total claims), struck by object (~24% of total claims), MSD (~20% of total claims), fall to lower level (~9% of total claims), and struck against object (~6% of total claims) (Annex A). The average cost of claim was approximately \$6,324. The average cost of claim for each injury type ranged from \$24 to \$42,950 (Annex A). The total days lost across all claims was 1,515. The total days lost for each injury type ranged from 0 to 914 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.39.6. Gap analysis in curriculum standard

We could not conduct gap analysis in curriculum standard because this trade program does not include a curriculum standard.

4.39.7. Gap analysis in apprenticeship standard

Based on our gap analysis, there is a high number of claims across the injury types that were a priori linked to housekeeping & cleanliness (~67% of total claims) although the apprenticeship standard includes training components that align with the topic (Figure 4.39.1). We also found moderate number of claims across the injury types that were a priori

linked to hazard-tools/machines (~32% of total claims), but the apprenticeship standard does not include training components that align with the topic (Figure 4.39.1). Therefore, there are significant gaps in housekeeping & cleanliness and hazard-tools/machines training that need to be addressed.

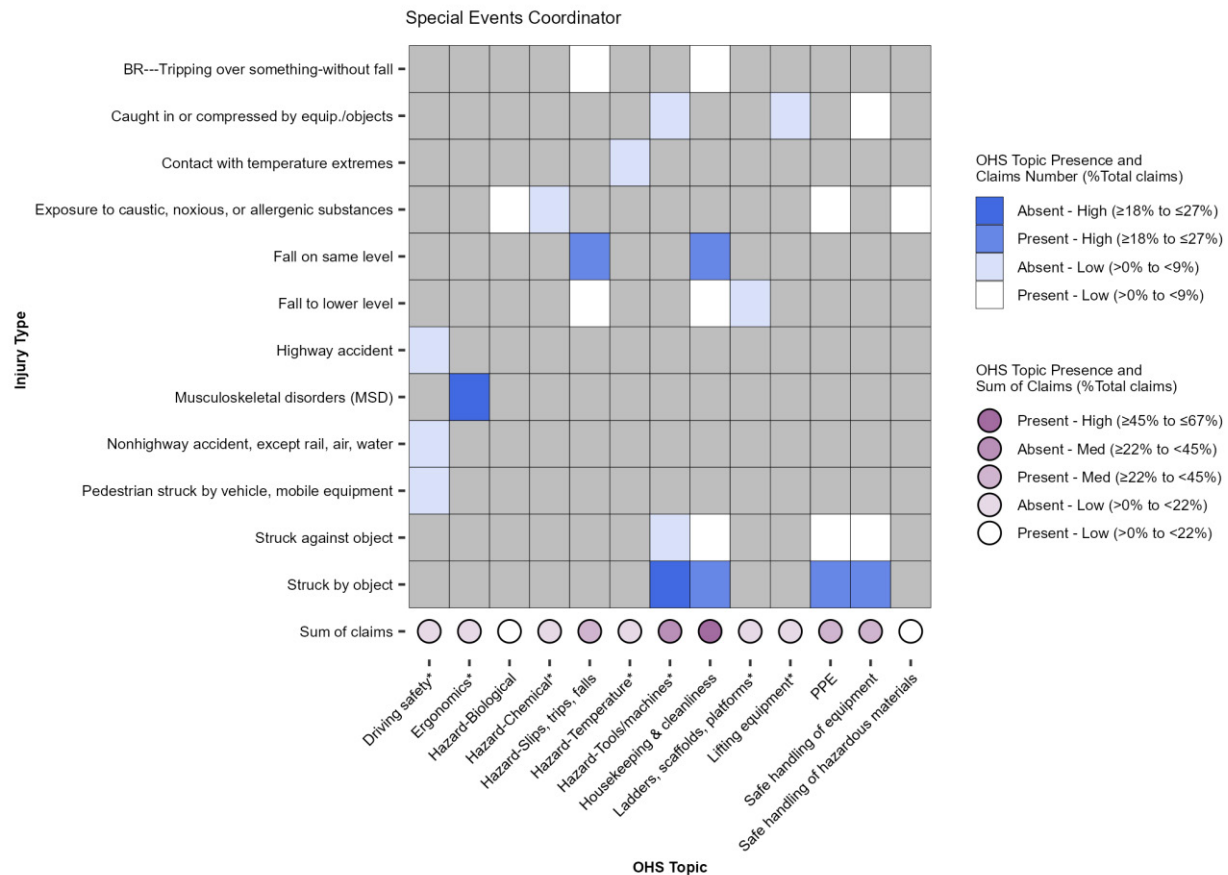


Figure 4.39.1: Heat map of the presence of each OHS topic and sum of claims of injury types linked to the OHS topic. Sum of claims in each trade is presented as a percentage of the total claims. The following OHS topics were identified in the apprenticeship standard but are not presented on the heatmap because we did not make a priori links to any injury type: emergency preparedness, legislation, and safe work processes. OHS topics that were not identified in the apprenticeship standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.39.8. Key takeaways

- Most common injury types: fall on same level, struck by object, MSD, fall to lower level, and struck against object. 217
- OHS training components in the apprenticeship standard align with 9 researcher-identified OHS topics.
- There are significant gaps in housekeeping & cleanliness and hazard-tools/machines training that need to be addressed in the apprenticeship standard.
- Mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment were absent in the apprenticeship standard.

4.40. Utility Arborist

4.40.1. Codes

Trade Code: 444B

NOC 2016: 2225

NOC 2021: 22114

SOC Code: 37-3011.00

CIP Code: 1.0699

4.40.2. Description

According to Skilled Trades Ontario, a Utility Arborist prunes, rigs or moves tree branches and woody vegetation that is in proximity or could contact any electrical apparatus. A Utility Arborist uses climbing techniques, climbing systems and mechanized equipment to work at heights in urban, rural and off-road locations.

4.40.3. OHS training components in curriculum standard

The curriculum standard consists of 660 hours of training, of which nearly 166 hours (~25% of total curriculum hours) is required for OHS training. The curriculum standard includes training components that align with 18 researcher-identified OHS topics: communication; ergonomics; hazard-chemical; hazard-electrical; hazard-fire; hazard-general; hazard-slips, trips, falls; hazard-temperature; hazard-tools/machines; housekeeping & cleanliness; ladders, scaffolds, platforms; legislation; lifting equipment; PPE; psychological; safe handling of equipment; safe handling of hazardous materials; and safe work processes. PPE has the highest hours (~25% of total OHS training) whereas ladders, scaffolds, platforms has the lowest hours (<1% of total OHS training).

There is no information regarding prevention of workplace violence and harassment.

4.40.4. OHS training components in apprenticeship standard

The apprenticeship standard consists of training components that align with 14 researcher-identified OHS topics: communication, emergency preparedness, hazard-biological, hazard-chemical, hazard-electrical, hazard-fire, hazard-general, hazard-temperature, hazard-tools/machines, legislation, PPE, safe handling of equipment, safe handling of hazardous materials, and safe work processes.

We could not quantify the extent of OHS training because there is no information regarding the number of hours required for each skill set.

Six OHS topics (ergonomics; hazard-slips, trips, falls; housekeeping & cleanliness; ladders, scaffolds, platforms; lifting equipment; and psychological) were identified only in the curriculum standard but not in the apprenticeship standard. On the other hand, two OHS topics (emergency preparedness and hazard-biological) were identified only in the apprenticeship standard but not in the curriculum standard.

There is no information regarding mental health training including psychological and psychosocial safety as well as prevention of workplace violence and harassment.

4.40.5. Injury statistics

Based on the WSIB injury statistics, there were 723 accepted lost-time claims reported from 2015-2020. The most common claims are MSD (~34% of total claims), struck by object (~19% of total claims), fall on same level (~11% of total claims), struck against object (~7% of total claims), and fall to lower level (~5% of total claims) (Annex A). The average cost of claim was approximately \$8,481. The average cost of claim for each injury type ranged from \$155 to \$166,911 (Annex A). The total days lost across all claims was 25,760. The total days lost for each injury type ranged from 0 to 6,412 (Annex A).

Annex A includes the breakdown of MSD, fall to lower level, and fall on same level claims by body part, Event Category, Event Description, and Nature of Injury Description. The average cost of claims and average days lost for the five most common injury types are also presented in Annex A.

4.40.6. Gap analysis in curriculum standard

According to our gap analysis, there is a high number of claims across the injury types that were a priori linked to ergonomics (~34% of total claims), housekeeping & cleanliness (~46% of total claims), and safe handling of equipment (~33% of total claims); however, the curriculum standard includes low number of hours for training components that align with the topics (Figure 4.40.1). We also found moderate number of claims across the injury types that were a priori linked to hazard-slips, trips, falls (~20% of total claims) and hazard-tools/machines (~30% of total claims), but the curriculum standard includes low number of hours for training components that align with the topics (Figure 4.40.1). Therefore, there are significant gaps in ergonomics; housekeeping & cleanliness; safe handling of equipment; hazard-slips, trips, falls; and hazard-tools/machines training that need to be addressed.

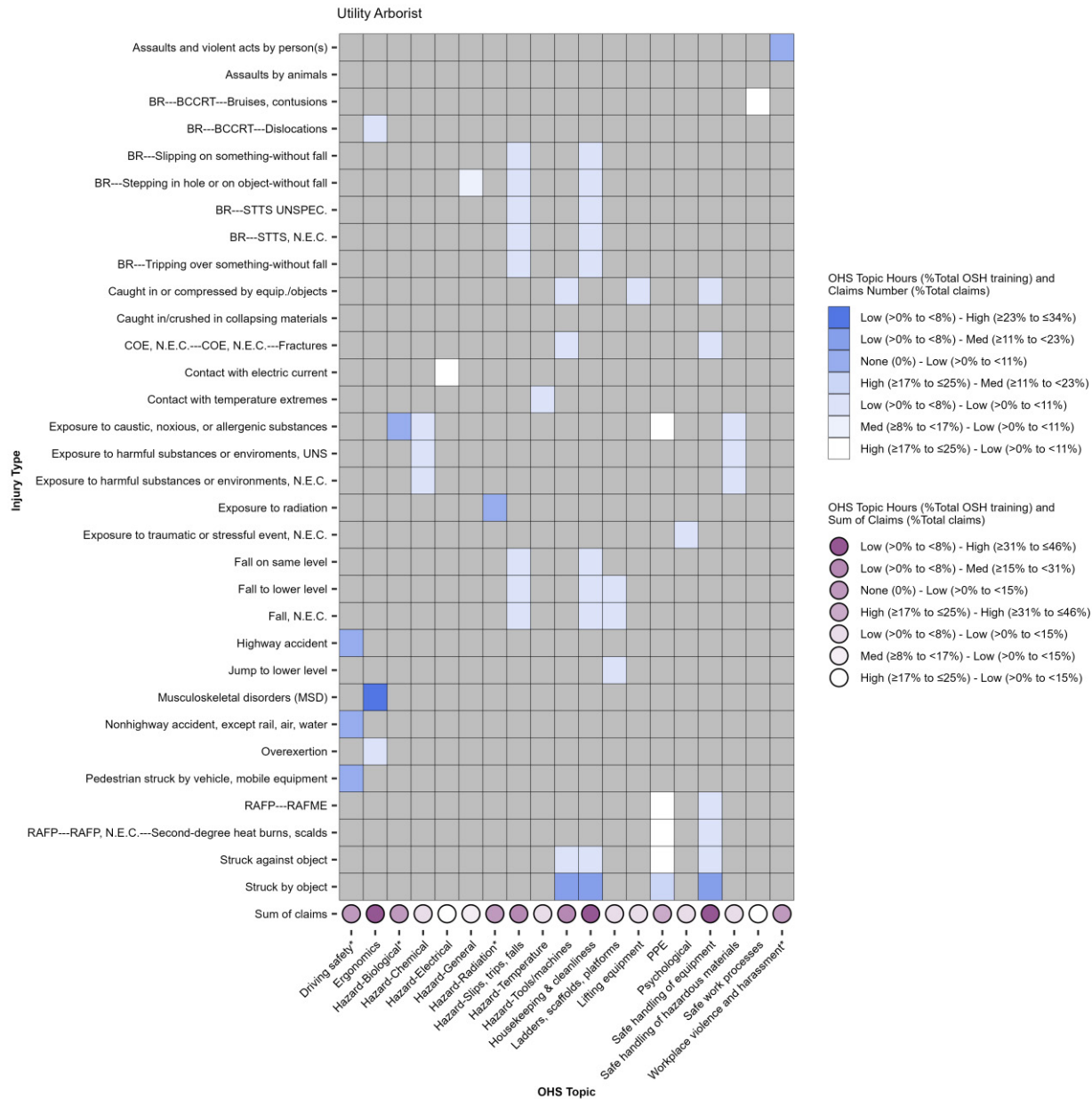


Figure 4.40.1: Heat map of the number of each OHS topic hours and sum of claims of injury types linked to the OHS topic for each trade. OHS topic hours are presented as a percentage of the total OHS training. Sum of claims is presented as a percentage of the total claims. The following OHS topics were identified in the curriculum standard but are not presented on the heatmap because we did not make a priori links to any injury type: communication (Low; 1%), hazard-fire (Low; 2%), and legislation (Low; 7%). OHS topics that were not identified in the curriculum standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.40.7. Gap analysis in apprenticeship standard

Based on our gap analysis, there is a high number of claims across the injury types that were a priori linked to ergonomics (~34% of total claims) and housekeeping & cleanliness (~46% of total claims); however, the apprenticeship standard does not include training components that align with the topics (Figure 4.40.2). We also found high number of claims across the injury types that were a priori linked to PPE (~33% of total claims) and safe handling of equipment (~33% of total claims) although the apprenticeship standard includes training components that align with the topics (Figure 4.40.2). Therefore, there are significant gaps in ergonomics, housekeeping & cleanliness, PPE, and safe handling of equipment training that need to be addressed.



Figure 4.40.2: Heat map of the presence of each OHS topic and sum of claims of injury types linked to the OHS topic. Sum of claims in each trade is presented as a percentage of the total claims. The following OHS topics were identified in the apprenticeship standard but are not presented on the heatmap because we did not make a priori links to any injury type: communication, emergency preparedness, hazard-fire, and legislation. OHS topics that were not identified in the apprenticeship standard are denoted with an asterisk. See Appendix A for details on abbreviations.

4.40.8. Key takeaways

- Most common injury types: MSD, struck by object, fall on same level, struck against object, and fall to lower level. 224
- OHS training components in the curriculum and apprenticeship standards align with 18 and 14 researcher-identified OHS topics, respectively.
- There are significant gaps in ergonomics; housekeeping & cleanliness; safe handling of equipment; hazard-slips, trips, falls; and hazard-tools/machines training that need to be addressed in the curriculum standard. Additionally, there are significant gaps in ergonomics, housekeeping & cleanliness, PPE, and safe handling of equipment training that need to be addressed in the apprenticeship standard.
- Training related to prevention of workplace violence and harassment was absent in training standards

5.0. OVERALL DISCUSSION

OHS training interventions are regarded as critical components in a robust OHS program. Effective OHS training has been found to positively impact OHS behaviours (Robson et al., 2012) including worker attitudes and beliefs, and to a lesser extent worker knowledge (Ricci et al., 2016). Similar to other OHS controls, training should be implemented in tandem with other interventions (e.g., workplace interventions, etc.) to effectively address OHS challenges.

We conducted a systematic gap analysis of OHS education of service skilled trades training standards in Ontario by comparing the existing OHS training components with trade-specific lagging indicator data (i.e., WSIB injury data). This method is innovative; to our knowledge, no other study has evaluated the OHS components of training standards based on lagging indicators. Existing studies often rely on content reviews of legislation (Schulte et al., 2005) or focus groups and interviews with OHS professionals and instructors (Bush et al., 2019). Our evaluation of the OHS training components revealed significant gaps in *ergonomics* and *housekeeping & cleanliness*. Several trades have considerable gaps in their training standards, specifically topics centered around *hazard-slips, trips, falls; hazard-tools/machines; PPE; and safe handling of equipment*.

We found significant training gaps in *ergonomics* across many of the training standards. Seven trades did not include *ergonomics* in both curriculum and apprenticeship standards despite the high number of MSD claims reported for these trades. Ergonomics is the science of matching the job and the worker, through the study of interactions between people and their physical and organizational environments. Mismatches between worker and their job may lead to soft tissue injuries and MSD. The established risk factors of MSD include sudden or sustained exposure to force, awkward posture, repetitive motion, and vibration. Epidemiological studies have shown that reducing these hazardous ergonomic demands may prevent MSD incidence in working populations (Yung et al., 2019). There is emerging consensus that inadequate ergonomics training may increase the risk of MSD (Choi et al., 2014; Gholami et al., 2020; Robertson et al., 2009). Notably, recent WSIB injury statistics reveal that MSD injuries represent nearly 29% of the total claims reported from 2015-2020 for skilled trades occupations (WSIB, 2022a). Of the MSD-related injury claims, injuries to the back, shoulder, and legs are highly prevalent, representing 45%, 12%, and 10% of all MSD claims, respectively. We recommend addressing the significant gaps in

ergonomics training in the trades to enhance trainees' understanding of ergonomics, which may help reduce the risk of work-related MSD.

In addition to ergonomics, we observed significant gaps in *housekeeping & cleanliness* in the training standards of all trade programs. Lack of housekeeping may increase the risk of injury types such as slips, trips, and falls (CCOHS, 2023). Based on the WSIB claims from 2015-2020, injuries resulting from *fall on same level* and *fall to lower level* represented nearly 21% of the total claims across all skilled trade occupations (WSIB, 2022a). Based on these claims, workers suffered bruises, concussion, and fractures due to falls. These injuries may be partially attributed to the lack of training in *housekeeping & cleanliness*; therefore, we recommend addressing the gaps in *housekeeping & cleanliness*.

We also found considerable gaps in *hazard-slips, trips, falls* and *hazard-tools/machine* in several trades. These findings are consistent with several other studies that identified gaps in OHS curricula based on worker perceptions and worksite audits. Kaskutas et al. (2010) found, among other gaps, that lack of awareness of fall risks and exposures was a considerable curriculum gap. To circumvent this, new training content and methods were proposed, including a full-scale mock home for apprentices to observe and practice identifying fall hazards present in a residential construction site, including floor openings, leading edges, exposed floor joists, window openings, holes, top plates, and trusses. By learning about hazard identification and control methods, workers can take necessary actions to help eliminate workplace hazards, such as slippery floors, cluttered workspace, and faulty equipment. For example, upon encountering a hazard, workers who are skilled at identifying hazards can immediately report it to their supervisors. Workers who are knowledgeable in hazard control can better collaborate with their supervisors and OHS professionals to develop strategies for mitigating the hazards. Therefore, we believe it is important to address the gaps in *hazard-slips, trips, falls* and *hazard-tools/machines*.

Several trades have considerable gaps in PPE training. Although the use of PPE is the least effective method of hazard control based on the hierarchy of controls (CDC, 2015; WorkSafeBC, 2022), it may be the most feasible injury prevention strategy in certain workplaces. The lack of knowledge on PPE and its use may have severe consequences. Kang et al., (2017) reviewed almost 21,000 US construction industry accidents between 1997 and 2012, finding that only 11% of fall accident victims were properly equipped with fall protection and 70.7% of fatal fall accidents were caused by their non-use of PPE. Effective training on PPE plays a crucial role in PPE acceptance and its intent to use, and it was more

effective than safety supervision alone (Wong et al., 2021). Accordingly, instructors and supervisors of trainees should emphasize the importance of PPE and provide adequate training on the safe use of the protective equipment. Workers who practise the safe use of PPE may help mitigate the risk of occupational injuries.

It is important to note that the absence of researcher-identified OHS topics should be interpreted with caution. Absence of certain OHS topics (e.g., *lockout/tag out*; *confined space*; *ladders, scaffolds, and platforms*; *hazard-biological*; *lifting equipment*; and *safe handling of hazardous materials*) may not be relevant for several trades based on task demands, exposures, requirements, and risks. For example, *hazard-biological* was absent in the training standards of *Parts Technician*. According to Skilled Trades Ontario (2024), a *Parts Technician* performs ordering, warehousing, inventory control and sales of parts, servicing a range of industries including motive power, appliance, heavy duty equipment and natural resources. Based on the duties performed by a *Parts Technician*, *hazard-biological* training may not be integral to that job and the lack of training in that OHS topic may not necessarily increase the risk of occupational injuries.

Most of the service trade program training standards did not include training on mental health as well as prevention of workplace violence and harassment. Injuries resulting from assaults and violent acts represented approximately 30% of the total claims in three trades (*Educational Assistant*, *Child and Youth Worker*, and *Developmental Services Worker*), nearly 10% of the total claims in three trades (*Aboriginal Child Development Practitioner*, *Child Development Practitioner*, and *Child Development Practitioner - Inclusion Practices*), and less than 3% of the total claims in 32 trades. Despite the low proportions of claims in most service trades, such injury types should not be disregarded. Workplace violence and harassment may lead to poor mental health outcomes such as anxiety and depression, potentially resulting in lower employee morale, higher absenteeism, and greater risk of suicide attempts (Lee et al., 2022; Hanson et al., 2020). Research evidence shows high rates of mental health challenges in workers, but these injuries may be underreported because of masculine norms and stigma in male-dominated jobs (Roche et al., 2016). As our analysis relies on WSIB injury statistics, injuries related to mental health challenges may be underestimated; therefore, we included these injuries in our analysis despite the lower claim prevalence. Service trade program training standards should incorporate workplace violence prevention and de-escalation training as well as diversity and inclusion training to promote a safer and more inclusive workplace (Abeyta & Welsh,

2022; King et al., 2012; Skiba, 2020). Fostering a culture that encourages workers to voluntarily discuss their mental health concerns to their supervisors may also help improve psychological and psychosocial well-being (Bryan et al., 2018; Dewa et al., 2021). Occupational diseases resulting from chemical and biological hazards including carcinogens represented only a small proportion of the total claims (WSIB, 2020), despite the high number of workers exposed to the hazards (CAREX Canada, 2025). Most common carcinogens in the service industry include solar radiation, radon, gasoline engine exhaust, asbestos, and formaldehyde (CAREX Canada, 2025). Our analysis of the curriculum and apprenticeship standards revealed little to no training related to carcinogens. WSIB data (2020) shows only one claim resulting from solar radiation exposure in educational assistants in 2019; however, more than 6,000 workers in that trade were exposed to solar radiation (CAREX Canada, 2025). Similar trends were observed in other types of skilled trades workers (e.g. early childhood educators and assistants, landscape and horticulture technicians and specialists) who are highly exposed to carcinogens (CAREX Canada, 2025). This mismatch between the number of claims and number of exposed workers can be attributed to the underreporting of occupational diseases (Khoe et al., 2024). Multiple factors affect this underreporting: (a) the first symptoms of some occupational diseases may appear only after a long latency period, (b) lack of strong evidence to prove that the disease was caused by work-related exposures, and (c) workers may lack the knowledge on work-related risk factors of occupational diseases (Khoe et al., 2024). For example, in a study on emergency department visits for the treatment of work-related injuries and illnesses in Ontario, almost 60% of visits do not show up as WSIB injury claims (Mustard et al., 2012); therefore, the number of injuries maybe underestimated in workers compensation data. Future studies should focus on evaluating OHS training gaps based on both lagging (e.g., WSIB claims, hospital data, ambulance data) and leading indicators (e.g., exposure data collected at work sites).

Workplace accidents and injuries are related to a worker's situational awareness (SA) (Hallowell, 2010; Liao et al., 2018). Situational awareness is the perception of external factors and events within a volume of time and space, the comprehension of their meaning, and projection of their status in the near future (Stanton et al., 2001; Ibrahim et al., 2023). Although existing SA training programs are devoted to acquainting trainees with the concept of SA and the factors that may impact it, there are few programs that specifically train for improving situational awareness (Endsley & Garland, 2000). Situational awareness,

however, is related to our identified OHS topics, including hazard recognition and risk assessment (Ibrahim et al., 2023), and may be further improved by providing training through effective delivery modalities. For instance, Walshe et al. (2019) found that simulation-based education yielded better situational awareness outcomes than other modalities. As part of CISWP's STRIVE OSH project, we have identified available experiential learning technologies to support OHS training delivery through semi-structured interviews with skilled trades faculty, surveys of skilled trades trainees, and from an environmental scan.

There are a few limitations in this study. First, we estimated the number of hours of most learning outcomes based on the subject hours and number of OHS topics associated with the learning outcomes. The number of hours of the learning outcomes are not reported in most curriculum standards; therefore, we had to estimate the values so that we could quantify the extent of OHS training. Quantification of qualitative data is a significant obstacle and from our understanding, there is no standardized approach. Our calculations involve several assumptions, and its interpretation should be met with caution; however, with increasing availability of data, we can ascertain estimates with higher precision. Second, the WSIB injury data that we have access to consists of only accepted lost-time claims; therefore, the total number of injuries for each injury type might be underestimated for each trade. To our knowledge, we are the first research team to evaluate OHS training based on trade-specific lost-time injury data. Future work will focus on analyzing the OHS training gaps using non-lost time injury claim data. Third, there is a possibility that particular injury types (e.g., mental health) are disproportionately underestimated in the WSIB data, despite the scientific literature indicating higher rates (typically from self-report). Given this dichotomy, these injury types are susceptible to low reporting, often due to traditional masculine norms and stigma in male-dominated jobs (Roche et al., 2016). In the future, we will evaluate the OHS training gaps using other available data. Fourth, the results in this study may vary for other research groups depending on the list of OHS topics as well as the a priori linkages created by the researchers. In this study, we discussed and reviewed the OHS topics and a priori linkages based on our expertise, until we reached a consensus. In conclusion, all service trade programs include significant training gaps in one or more of the researcher-identified OHS topics. The largest training gaps were primarily in *ergonomics* and *housekeeping & cleanliness*. We recommend trade programs to address the gaps by including adequate training for the OHS topics, especially for the topics that have significant gaps. However, we also recognize that training programs have a finite number of

hours to teach the required technical skills and knowledge required of that trade. In these cases, individualized training delivered by approved training providers may be an option or can complement training through service trade programs; the Working at Heights (WAH) Training Standard has shown to have varying degrees of effectiveness in reducing fall-from-height injuries (Robson et al., 2020). In the future, training gaps will be further analyzed by comparing the existing OHS training components with other metrics such as average cost of claims or number of days lost of the injury types. We will also evaluate the gaps according to the perspectives from skilled trade organizations, instructors, training providers, apprentices and trainees, and OHS professionals. Additionally, we will interpret the gaps based on other combinations of training and injury claims (e.g., high training – low injury, high training – high injury). “High training – low injury” category may indicate that either the training is sufficient for preventing the injury, or excessive training is being provided to prevent injuries that are not prevalent. “High training – high injury” category may indicate that either the training contents and delivery methods should be improved based on apprentices’ abilities and preferences, or the injury reduction strategies taught in the training may need to be updated as the current strategies may not be effective in decreasing the risk of injury. Therefore, future studies will focus on interpreting those gaps. This study presents evidence-based OHS training gaps that can help guide skilled trades training providers and policy makers during the development of trade-specific OHS training. Our research can inform WSIB of our process for (a) linking data sources based on job code crosswalk techniques, and (b) categorizing non-MSD claims into injury types using combinations of WSIB-based descriptors. This study serves as a framework that can be adapted by skilled trades training providers to objectively assess curricula gaps.

REFERENCES

- Abeyta, S., & Welsh, B. C. (2022). Effects of prevention interventions on violence in the workplace: A systematic review and meta-analysis. *Aggression and Violent Behavior*.
- Boini, S., Colin, R., & Grzebyk, M. (2017). Effect of occupational safety and health education received during schooling on the incidence of workplace injuries in the first 2 years of occupational life: a prospective study. *BMJ Open*, 7, 1–10.
- Brenner, H., & Ahern, W. (2000). Sickness absence and early retirement on health grounds in the construction industry in Ireland. *Occupational and Environmental Medicine*, 57(9), 615–620.
- Breslin, F. C., & Smith, P. (2005). Age-related differences in work injuries: A multivariate, population-based study. *American Journal of Industrial Medicine*, 48, 50–56.
- Bryan, B. T., Gayed, A., Milligan-Saville, J. S., Madan, I., Calvo, R. A., Glozier, N., & Harvey, S. B. (2018). Managers' response to mental health issues among their staff. *Occupational Medicine*, 68(7), 464–468.
- Build Force Canada. (2021). *Construction and maintenance looking forward 2021–2030 key highlights*. www.constructionforecasts.ca/en/highlights
- Bush, D., & Andrews, K. (2013). Integrating occupational safety and health training into career technical education in construction. *University of California Berkeley Labor Occupational Health Program and CPWR-The Center for Construction Research and Training*.
- Bush, D., Chang, C., Rauscher, K., & Myers, D. (2019). Essential elements for effective safety and health education in postsecondary construction career technical education. *NEW SOLUTIONS: A Journal of Environmental and Occupational Health Policy*, 29(1), 53–75.
- Canadian Centre for Occupational Health and Safety (2023, August 15). *Workplace housekeeping*. <https://www.ccohs.ca/oshanswers/hsprograms/housekeeping/house.html>
- Canadian Standards Association (CSA) Group. (2013). *Coding of work injury or disease information (CSA Z795-03 [R2013])*.
- CAREX Canada. (2025). *eWORK online*. <https://www.carexcanada.ca/ework/>
- Centers for Disease Control and Prevention. (2015, January 13). *Hierarchy of controls*. <https://www.cdc.gov/niosh/topics/hierarchy/default.html>

Centre de Recherche & Développement en Informatique Médicale (CREDIM). (2022). *CAPS: Assisted Coding of Occupations and Industries*.

<https://host.credim.u-bordeaux.fr/caps-ca/Rechercher.aspx>

Choi, S. D., Yuan, L., & Borchardt, J. G. (2014). Critical analyses of work-related musculoskeletal disorders and practical solutions in construction. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting* (Vol. 58, No. 1, pp. 1633-1637). SAGE Publications.

Dewa, C. S., Van Weeghel, J., Joosen, M. C., Gronholm, P. C., & Brouwers, E. P. (2021). Workers' decisions to disclose a mental health issue to managers and the consequences. *Frontiers in Psychiatry*, 12.

Elprama, S.A., Vannieuwenhuyze, J.T.A., ... & Jacobs, A. (2020). Social processes: What determines industrial workers' intention to use exoskeletons? *Hum Factors*, 62(3), 337-350.

Endsley, M. R., & Garland, D. J. (Eds.). (2000). *Situation Awareness Analysis and Measurement*. CRC press.

Gholami, A., Yalameh, J. T., Fouladi-Dehaghi, B., Eskandari, D., & Teimori-Boghsani, G. (2020). Evaluation of the influence of education on the ergonomic risk of concrete form workers. *Work*, 67(4), 1007-1013.

Government of Canada. (2022). *National Occupational Classification*.

<https://noc.esdc.gc.ca/?GoCTemplateCulture=en-CA>

Government of Ontario. (2022). *Ministry of Labour, Immigration, Training and Skills Development*.

<https://www.ontario.ca/page/ministry-labour-immigration-training-skills-development>

Hallowell, M. (2010). Safety risk perception in construction companies in the Pacific Northwest of the USA. *Construction Management and Economics*, 28(4), 403-413.

Hanson, L. L. M., Nyberg, A., Mittendorfer-Rutz, E., Bondestam, F., & Madsen, I. E. (2020). Work related sexual harassment and risk of suicide and suicide attempts: prospective cohort study. *BMJ*, 370.

Hanvold, T. N., Kines, P., Nykänen, M., Thomée, S., Holte, K. A., Vuori, J., Wærsted, M., & Veiersted, K. B. (2019). Occupational safety and health among young workers in the Nordic countries: A systematic literature review. *Safety and Health at Work*, 10, 3–20.

Ibrahim, A., Nnaji, C., Namian, M., Koh, A., & Techera, U. (2023). Investigating the impact of

physical fatigue on construction workers' situational awareness. *Safety Science*, 163, 106103.

Kang, Y., Siddiqui, S., Suk, S. J., Chi, S., & Kim, C. (2017). Trends of fall accidents in the US construction industry. *Journal of Construction Engineering and Management*, 143(8), 04017043.

Kaskutas, V., Dale, A. M., Lipscomb, H., Gaal, J., Fuchs, M., & Evanoff, B. (2010). Changes in fall prevention training for apprentice carpenters based on a comprehensive needs assessment. *Journal of Safety Research*, 41(3), 221-227.

Khoe, L. C., Saldi, S. R. F., Isbayuputra, M., Mansyur, M., Wiseman, V., & Asante, A. (2024). Global trends in occupational disease reporting: a systematic review. medRxiv.

Kolus, A., Wells, R., & Neumann, P. (2018). Production quality and human factors engineering: A systematic review and theoretical framework. *Applied Ergonomics*, 73, 55–89.

Laberge, M., MacEachen, E., & Calvet, B. (2014). Why are occupational health and safety training approaches not effective? Understanding young worker learning processes using an ergonomic lens. *Safety Science*, 68, 250–257.

Lee, N. R., Kim, S. W., Joo, J. H., Lee, J. H., Lee, J. H., & Lee, K. J. (2022). Relationship between workplace violence and work-related depression/anxiety, separating the types of perpetrators: a cross-sectional study using data from the fourth and fifth Korean Working Conditions Surveys (KWCS). *Annals of Occupational and Environmental Medicine*, 34.

Liao, P. C., Ma, Z., & Chong, H. Y. (2018). Identifying effective management factors across human errors—A case in elevator installation. *KSCE Journal of Civil Engineering*, 22, 3204- 3214.

King, E. B., Dawson, J. F., Kravitz, D. A., & Gulick, L. M. (2012). A multilevel study of the relationships between diversity training, ethnic discrimination and satisfaction in organizations. *Journal of Organizational Behavior*, 33(1), 5-20.

McInnes, B., & Sagmeister, L. (n. d.). *Musculoskeletal disorder coding harmonization*. [https://ergonomicscanada.ca/files/documents/Article-MSDDataMappingfinal\(codes\).pdf](https://ergonomicscanada.ca/files/documents/Article-MSDDataMappingfinal(codes).pdf)

Mustard, C. A., Chambers, A., McLeod, C., Bielecky, A., & Smith, P. M. (2012). Comparison of data sources for the surveillance of work injury. *Occupational and Environmental Medicine*, 69(5), 317-324.

Okun, A. H., Guerin, R. J., & Schulte, P. A. (2016). Foundational workplace safety and health competencies for the emerging workforce. *Journal of Safety Research*, 59, 43–51.

Ontario Construction Secretariat – OCS. (2019). *2019 contractor survey*.

www.iciconstruction.com/2018/03/07/2018-ocs-contractor-survey-rpt/

Ricci, F., Chiesi, A., Bisio, C., Panari, C., & Pelosi, A. (2016). Effectiveness of occupational health and safety training: A systematic review with meta-analysis. *Journal of Workplace Learning, 28*(6), 355-377.

Robertson, M., Amick III, B. C., DeRango, K., Rooney, T., Bazzani, L., Harrist, R., & Moore, A. (2009). The effects of an office ergonomics training and chair intervention on worker knowledge, behavior and musculoskeletal risk. *Applied Ergonomics, 40*(1), 124-135.

Robson, L. S., Lee, H., Amick III, B. C., Landsman, V., Smith, P. M., & Mustard, C. A. (2020). Preventing fall-from-height injuries in construction: Effectiveness of a regulatory training standard. *Journal of Safety Research, 74*, 271-278.

Robson, L. S., Stephenson, C. M., Schulte, P. A., Amick III, B. C., Irvin, E. L., Eggerth, D. E., ... & Grubb, P. L. (2012). A systematic review of the effectiveness of occupational health and safety training. *Scandinavian Journal of Work, Environment & Health, 193*-208.

Roche, A. M., Pidd, K., Fischer, J. A., Lee, N., Scarfe, A., & Kostadinov, V. (2016). Men, work, and mental health: a systematic review of depression in male-dominated industries and occupations. *Safety and Health at Work, 7*(4), 268-283.

Salminen, S. (2004). Have young workers more injuries than older ones? An international literature review. *Journal of Safety Research, 35*, 513-521.

Schulte, P. A., Stephenson, C. M., Okun, A. H., Palassis, J., & Biddle, E. (2005). Integrating occupational safety and health information into vocational and technical education and other workforce preparation programs. *American Journal of Public Health, 95*(3), 404- 411.

Skiba, R. (2020). Conflict de-escalation: workplace training. *Open Journal of Social Sciences, 8*, 153-162.

Skilled Trades Ontario. (2022). *Trades Information*.

<https://www.skilledtradesontario.ca/about-trades/trades-information/>

Skilled Trades Ontario. (2024). *Aboriginal Child Development Practitioner*.

<https://www.skilledtradesontario.ca/trade-information/aboriginal-child-development-practitioner/>

Skilled Trades Ontario. (2024). *Agricultural - Dairy Herdsperson*.

<https://www.skilledtradesontario.ca/trade-information/agricultural-dairy-herds-person/>

Skilled Trades Ontario. (2024). *Agricultural - Fruit Grower*.
<https://www.skilledtradesontario.ca/trade-information/agricultural-fruit-grower/>

Skilled Trades Ontario. (2024). *Agricultural - Swine Herdsperson*.
<https://www.skilledtradesontario.ca/trade-information/agricultural-swine-herdsperson/>

Skilled Trades Ontario. (2024). *Appliance Service Technician*.
<https://www.skilledtradesontario.ca/trade-information/appliance-service-technician/>

Skilled Trades Ontario. (2024). *Arborist*.
<https://www.skilledtradesontario.ca/trade-information/arborist/>

Skilled Trades Ontario. (2024). *Assistant Cook*.
<https://www.skilledtradesontario.ca/trade-information/assistant-cook/>

Skilled Trades Ontario. (2024). *Baker*.
<https://www.skilledtradesontario.ca/trade-information/baker/>

Skilled Trades Ontario. (2024). *Baker-Patisserie*.
<https://www.skilledtradesontario.ca/trade-information/baker-patisserie/>

Skilled Trades Ontario. (2024). *Chef*.
<https://www.skilledtradesontario.ca/trade-information/chef/>

Skilled Trades Ontario. (2024). *Child and Youth Worker*.
<https://www.skilledtradesontario.ca/trade-information/child-and-youth-worker/>

Skilled Trades Ontario. (2024). *Child Development Practitioner*.
<https://www.skilledtradesontario.ca/trade-information/child-development-practitioner/>

Skilled Trades Ontario. (2024). *Cook*.
<https://www.skilledtradesontario.ca/trade-information/cook/>

Skilled Trades Ontario. (2024). *Developmental Services Worker*.
<https://www.skilledtradesontario.ca/trade-information/developmental-services-worker/>

Skilled Trades Ontario. (2024). *Educational Assistant*.
<https://www.skilledtradesontario.ca/trade-information/educational-assistant/>

Skilled Trades Ontario. (2024). *Electronic Service Technician*.
<https://www.skilledtradesontario.ca/trade-information/electronic-service-technician/>

Skilled Trades Ontario. (2024). *Gemsetter/Goldsmith*.
<https://www.skilledtradesontario.ca/trade-information/gemsettergoldsmith/>

Skilled Trades Ontario. (2024). *Hairstylist*.
<https://www.skilledtradesontario.ca/trade-information/hairstylist/>

Skilled Trades Ontario. (2024). *Horse Groom*.
<https://www.skilledtradesontario.ca/trade-information/horse-groom/>

Skilled Trades Ontario. (2024). *Horse Harness Maker*.
<https://www.skilledtradesontario.ca/trade-information/horse-harness-maker/>

Skilled Trades Ontario. (2024). *Horticultural Technician*.
<https://www.skilledtradesontario.ca/trade-information/horticultural-technician/>

Skilled Trades Ontario. (2024). *Institutional Cook*.
<https://www.skilledtradesontario.ca/trade-information/institutional-cook/>

Skilled Trades Ontario. (2024). *IT - Contact Centre Customer Service Agent*.
<https://www.skilledtradesontario.ca/trade-information/it-contact-centre-customer-service-agent/>

Skilled Trades Ontario. (2024). *IT - Contact Centre Sales Agent*.
<https://www.skilledtradesontario.ca/trade-information/it-contact-centre-sales-agent/>

Skilled Trades Ontario. (2024). *IT - Contact Centre Technical Support Agent*.
<https://www.skilledtradesontario.ca/trade-information/it-contact-centre-technical-support-agent/>

Skilled Trades Ontario. (2024). *IT - Hardware Technician*.
<https://www.skilledtradesontario.ca/trade-information/it-hardware-technician/>

Skilled Trades Ontario. (2024). *IT - Network Technician*.
<https://www.skilledtradesontario.ca/trade-information/it-network-technician/>

Skilled Trades Ontario. (2024). *Micro Electronics Manufacturer*.
<https://www.skilledtradesontario.ca/trade-information/micro-electronics-manufacturer/>

Skilled Trades Ontario. (2024). *Native Clothing and Crafts Artisan*.
<https://www.skilledtradesontario.ca/trade-information/native-clothing-and-crafts-artisan/>

Skilled Trades Ontario. (2024). *Network Cabling Specialist*.
<https://www.skilledtradesontario.ca/trade-information/network-cabling-specialist/>

Skilled Trades Ontario. (2024). *Parts Technician*.

<https://www.skilledtradesontario.ca/trade-information/parts-technician/>

Skilled Trades Ontario. (2024). *Retail Meat Cutter*.

<https://www.skilledtradesontario.ca/trade-information/retail-meat-cutter/>

Skilled Trades Ontario. (2024). *Saddlery*.

<https://www.skilledtradesontario.ca/trade-information/saddlery/>

Skilled Trades Ontario. (2024). *Special Events Coordinator*.

<https://www.skilledtradesontario.ca/trade-information/special-events-coordinator/>

Skilled Trades Ontario. (2024). *Utility Arborist*.

<https://www.skilledtradesontario.ca/trade-information/utility-arborist/>

Stanton, N. A., Chambers, P. R., & Piggott, J. (2001). Situational awareness and safety. *Safety Science*, 39(3), 189-204.

Statistics Canada. (2022). *Classification of Instructional Programs (CIP) Canada 2016*.

<https://www23.statcan.gc.ca/imdb/p3VD.pl?Function=getAllExample&TVD=299355&CVD=298963&CPV=46.0413&CST=01012016&CLV=3&MLV=3&V=84762&VST=01012016>

Stemler, S., & Bebell, D. (1999). An empirical approach to understanding and analyzing the mission statements of selected educational institutions. Paper presented at the annual meeting of the New England Educational Research Organization. Portsmouth, New Hampshire.

Stemler, S. (2001). An overview of content analysis. *Practical Assessment, Research, and Evaluation*, 7(17).

Stemler, S. E. (2015). Emerging trends in content analysis. *Emerging Trends in the Social and Behavioral Sciences*.

The Dais. (2022). *GitHub: NOC_ONet_Crosswalk*.

https://github.com/thedaisTMU/NOC_ONet_Crosswalk/tree/master/noc_noc

Walshe, N. C., Crowley, C. M., O'Brien, S., Browne, J. P., & Hegarty, J. M. (2019). Educational interventions to enhance situation awareness: a systematic review and meta-analysis. *Simulation in Healthcare*, 14(6), 398-408.

Wong, T. K. M., Man, S. S., & Chan, A. H. S. (2021). Exploring the acceptance of PPE by construction workers: An extension of the technology acceptance model with safety management practices and safety consciousness. *Safety Science*, 139, 105239.

Workplace Safety and Insurance Board (WSIB). (2022a). *Allowed Lost-time Claims from Skilled Trades Occupations 2015 to 2020: Summary Table*.

Workplace Safety and Insurance Board (WSIB). (2022b). *Allowed Lost-time Claims from Skilled Trades Occupations 2015 to 2020*.

WorkSafeBC. (2022). *The hierarchy of controls*.

<https://www.worksafebc.com/en/health-safety/create-manage/managing-risk/controlling-risks>

Yung, M., Dale, A. M., Kapellusch, J., Bao, S., Harris-Adamson, C., Meyers, A. R., ... & Evanoff, B. A. (2019). Modeling the effect of the 2018 revised ACGIH® hand activity threshold limit value®(TLV) at reducing risk for carpal tunnel syndrome. *Journal of Occupational*

and Environmental Hygiene, 16(9), 628-633.

APPENDIX

Appendix A: List of abbreviations

BCCRT = Bending, climbing, crawling, reaching, twisting

BR = Bodily reaction

BRE = Bodily reactions & exertion

CD = Contact dermatitis, not specified as allergic or irritant

COE = Contact with objects and equipment

FB = Foreign bodies (superficial splinters, chips)

II = Intracranial injuries and injuries to internal organs

MSD = Musculoskeletal disorders

MTID = Multiple traumatic injuries and disorders

N.E.C. = Not elsewhere classified

OLT = Overexertion in lifting (object) and turning (body)

OTID = Other traumatic injuries and disorders

RAFME = Rubbed or abraded by foreign matter in eye

RAFP = Rubbed or abraded by friction or pressure

RAJV = Rubbed, abraded, or jarred by vibration

RAKOS = Rubbed or abraded by kneeling on surface

RAOBH = Rubbed or abraded by objects being handled

SP = Static posture with application of force to an object

STTS = Slip trip twist step on or in, loss bal-without fall

TIBNS = Traumatic inj. to bones, nerves, spinal cord

TIN = Traumatic injuries to nerves, except the spinal cord

U.N.S. / UNSPEC. = Unspecified

Annex A: WSIB Injury Statistics

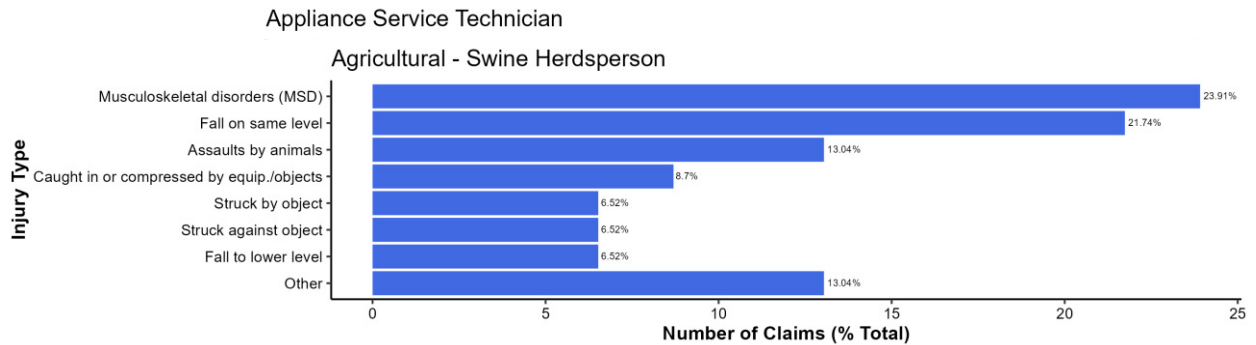
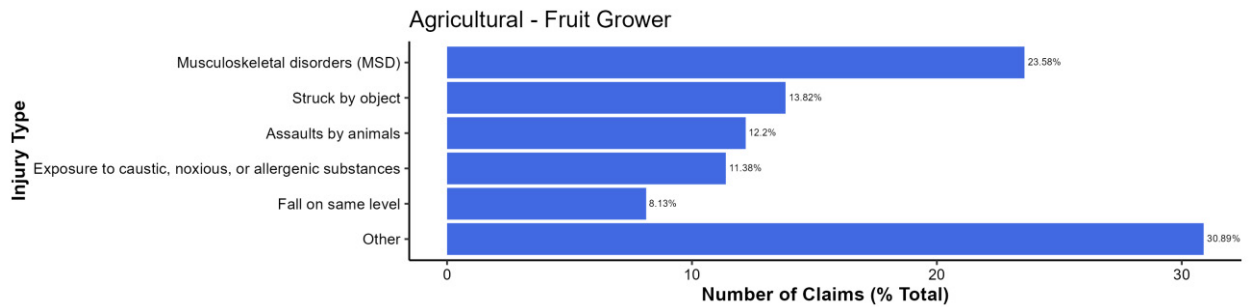
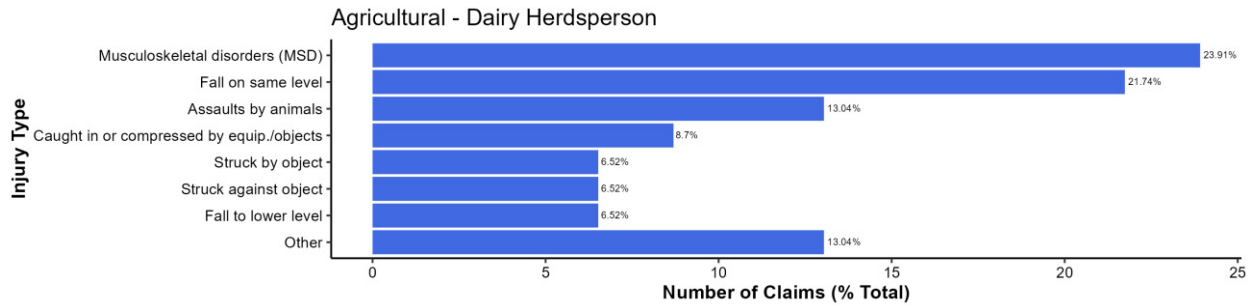
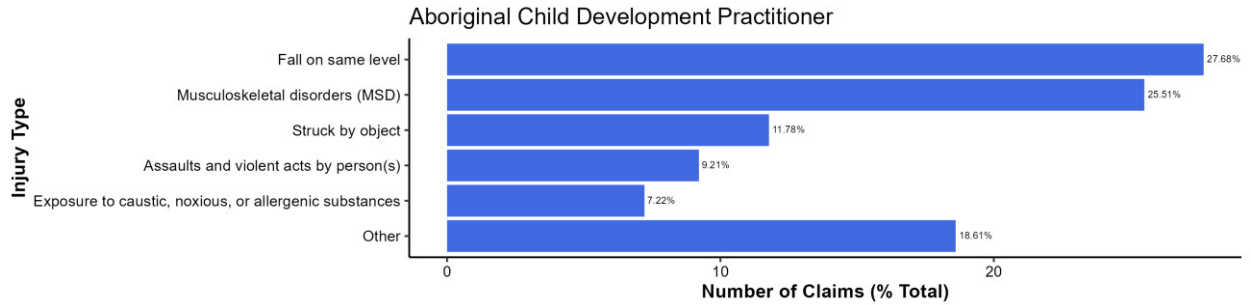
Annex A consists of 15 sections pertaining to WSIB injury statistics of each trade. The breakdown of total claims by injury types, average cost of claim for each injury type, and total days lost for each injury type are presented in Sections 1, 2, and 3, respectively.

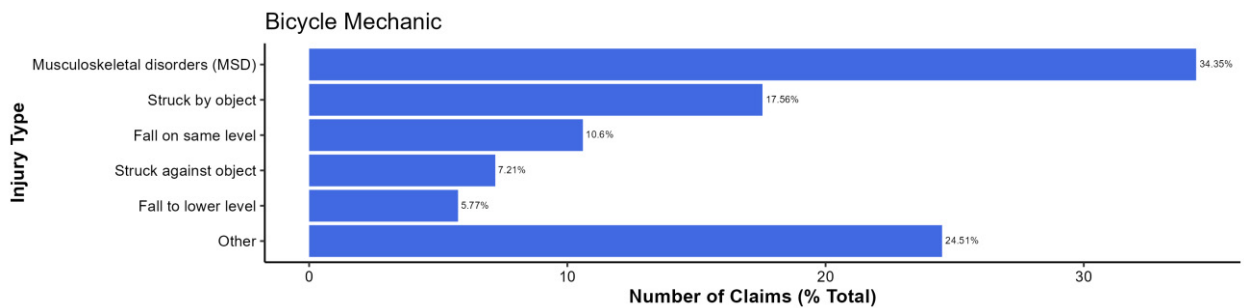
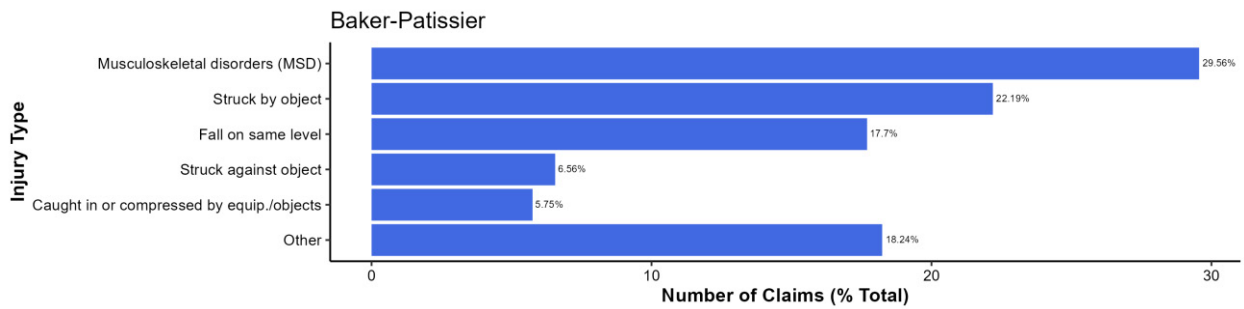
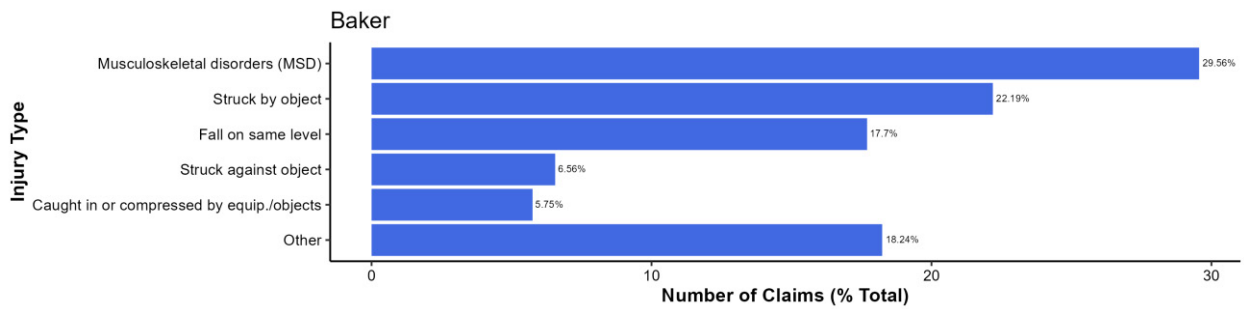
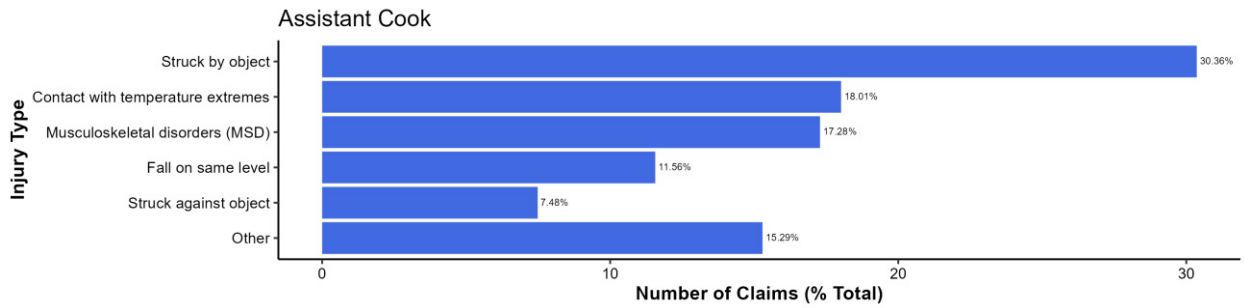
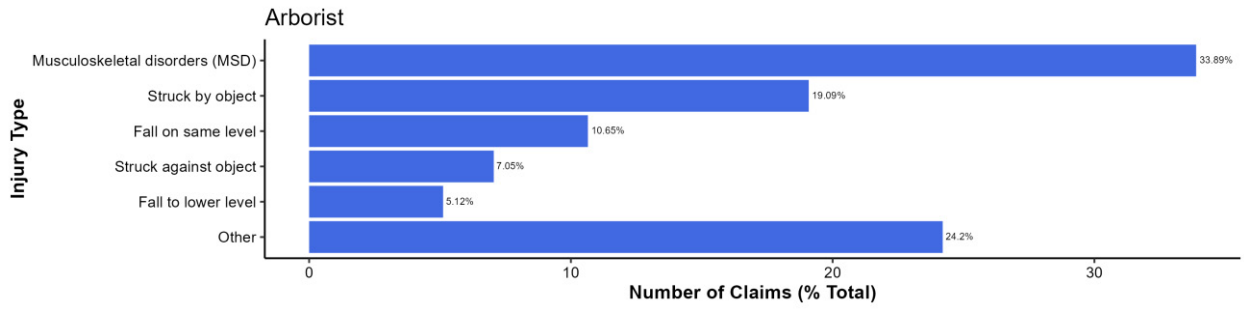
The breakdown of *MSD* claims by body part, Event Category, Event Description, and Nature of Injury Description are presented in Sections 4, 5, 6 and 7, respectively. The breakdown of *fall to lower level* claims by body part, Event Description, and Nature of Injury Description are presented in Sections 8, 9, and 10, respectively. The breakdown of *fall on same level* claims by body part, Event Description, and Nature of Injury Description are presented in Sections 11, 12, and 13, respectively.

The average cost of claims and average days lost for the five most common injury types are presented in Figures 14 and 15, respectively.

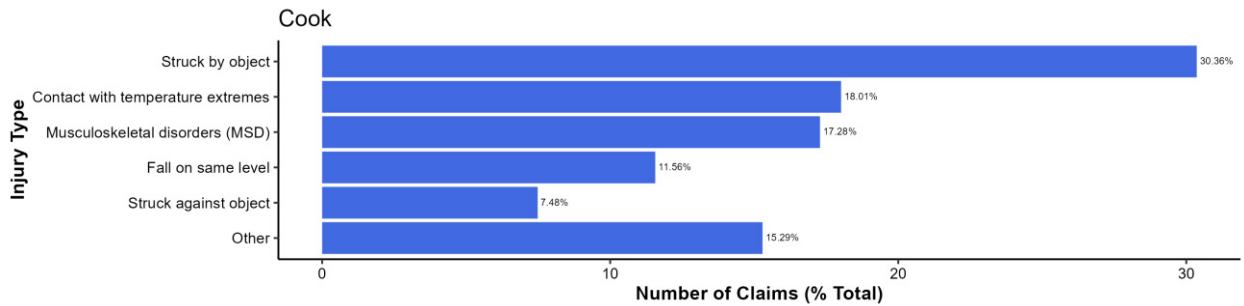
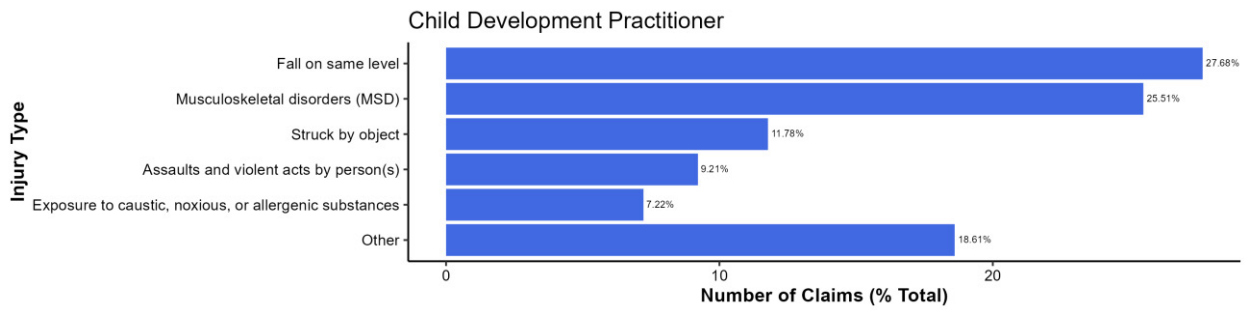
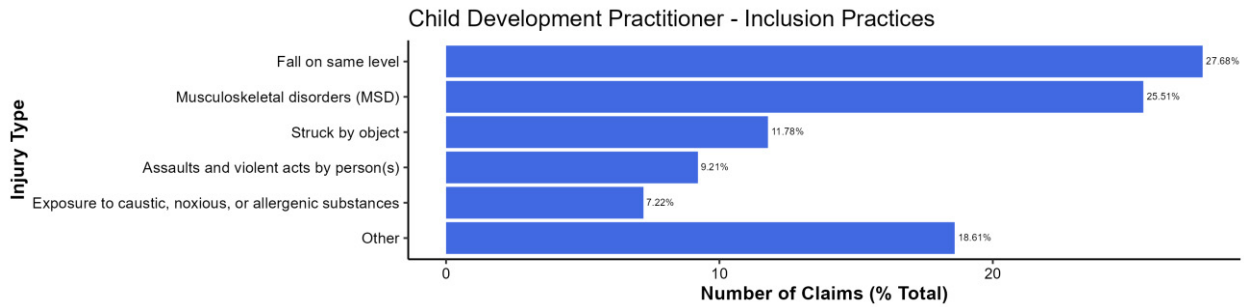
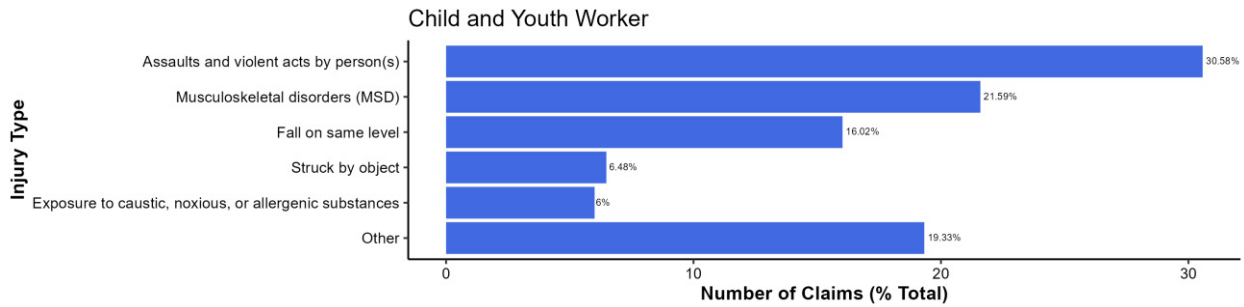
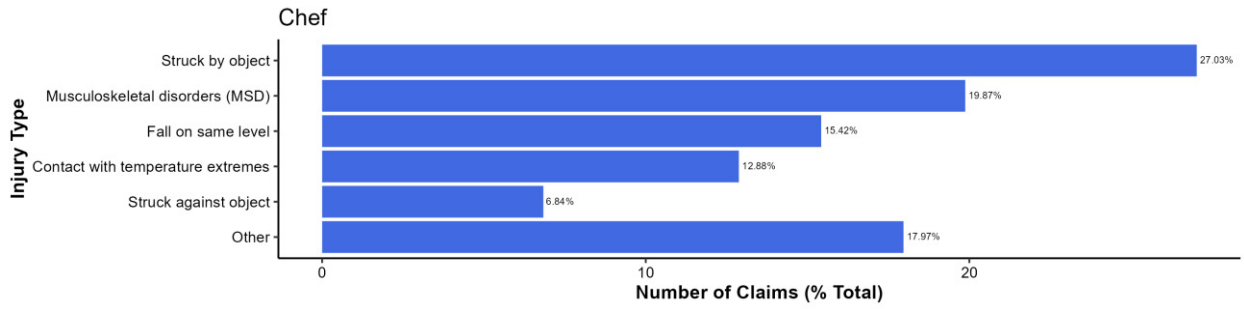
Annex B contains details on the "Other" category shown on the figures.

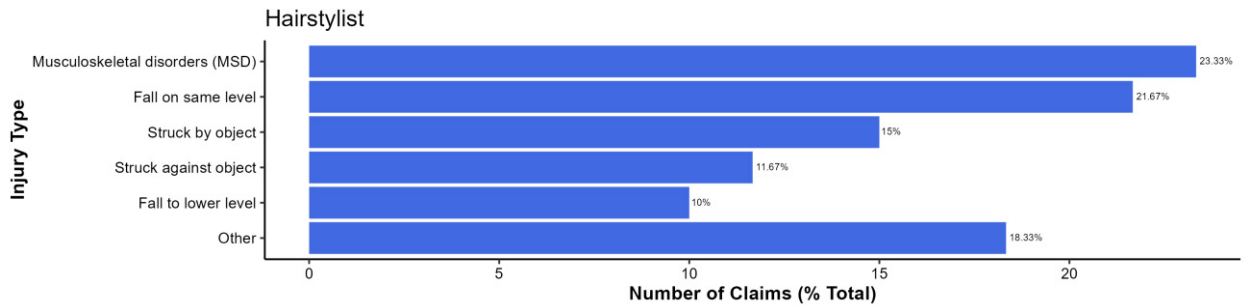
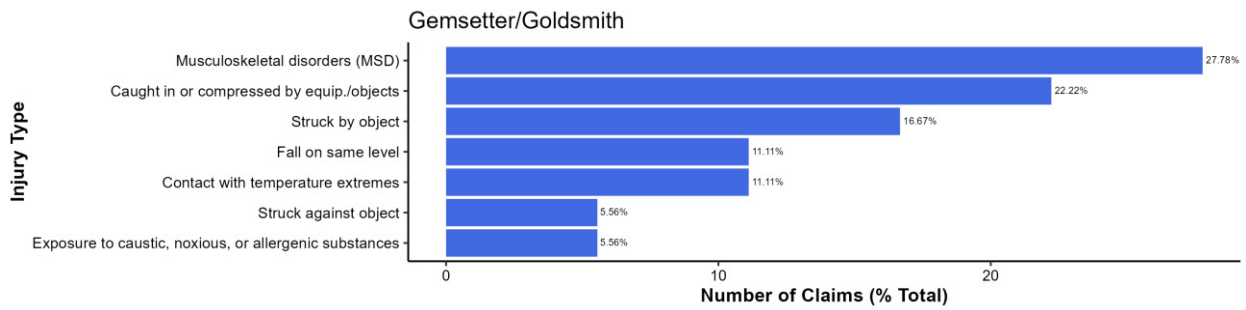
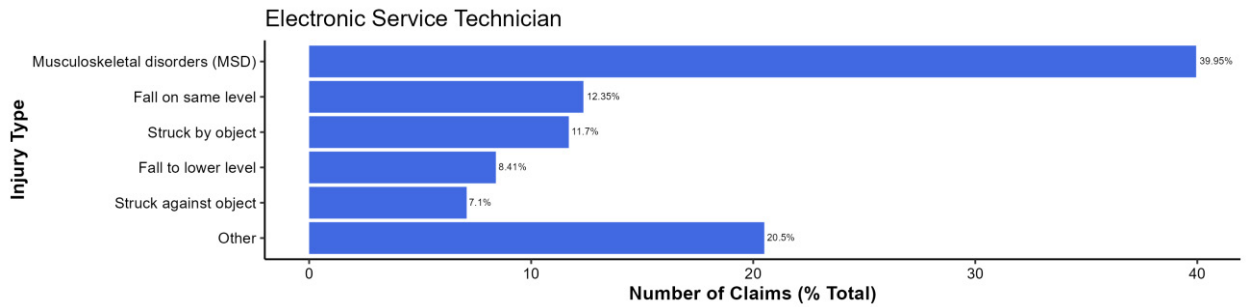
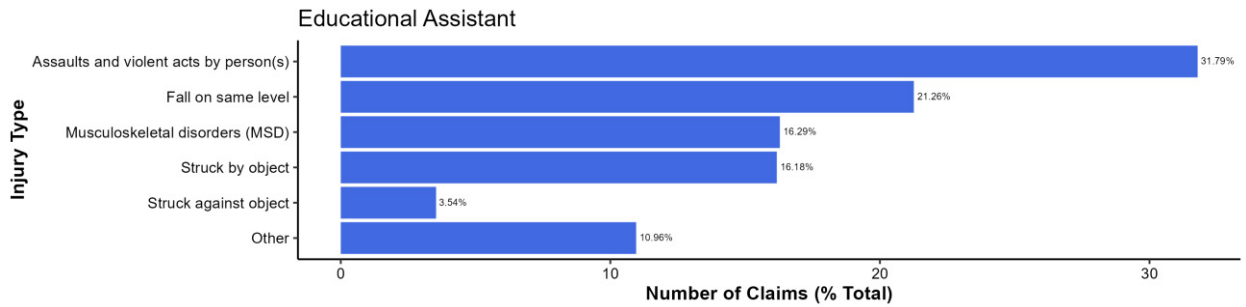
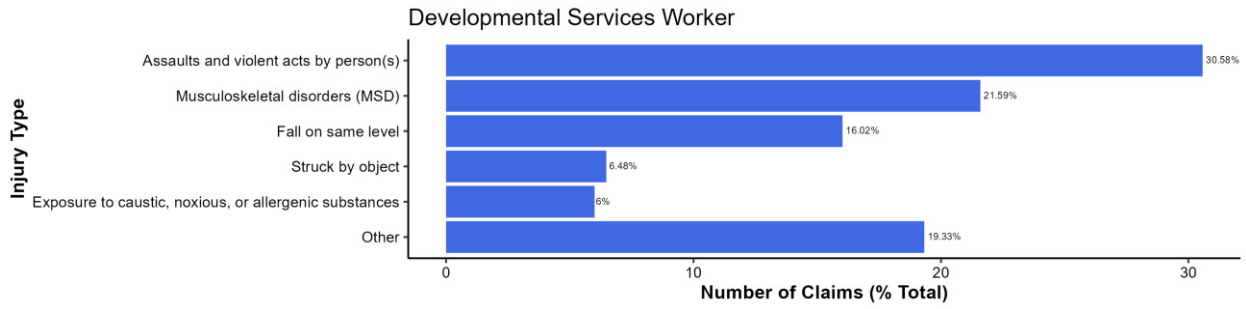
Section 1: Breakdown of total claims by injury types

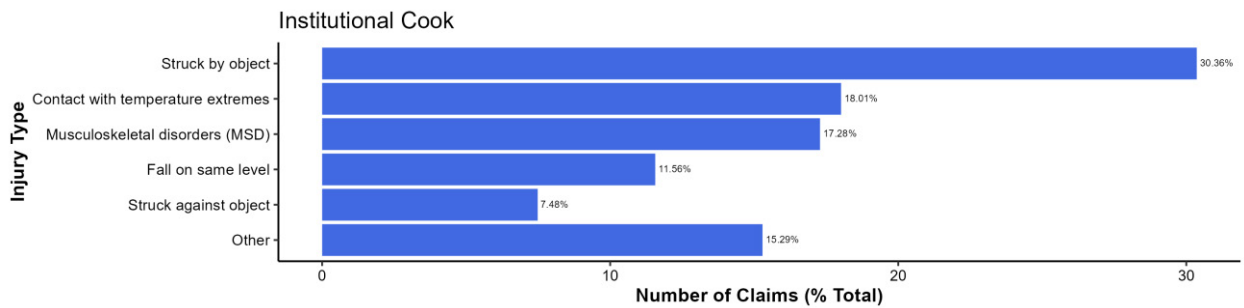
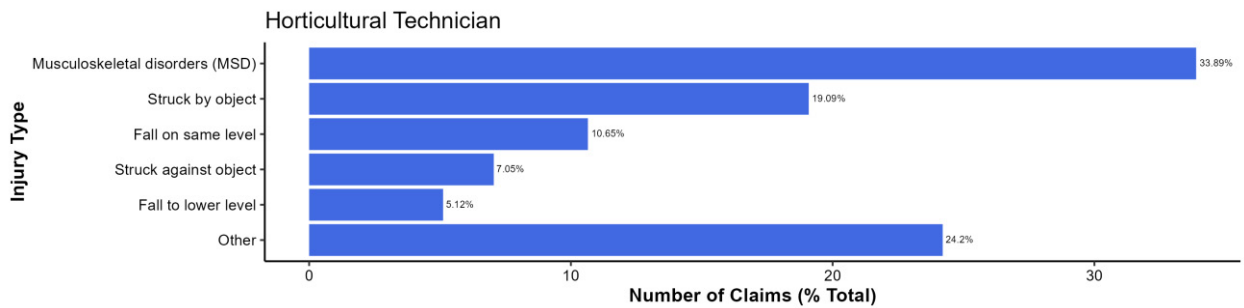
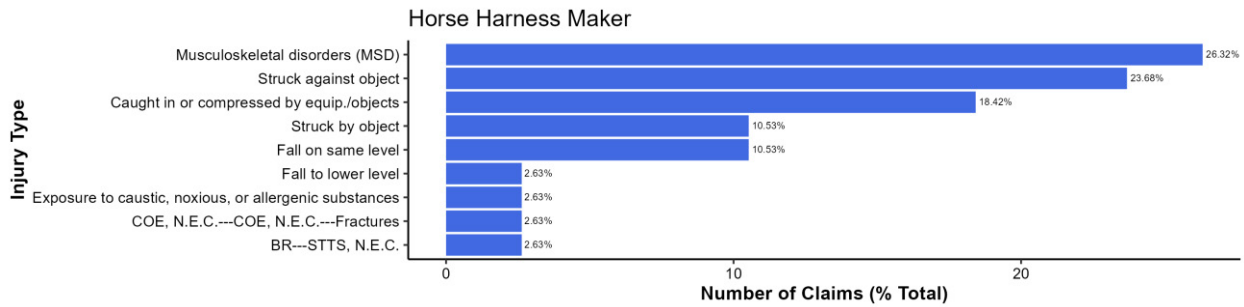
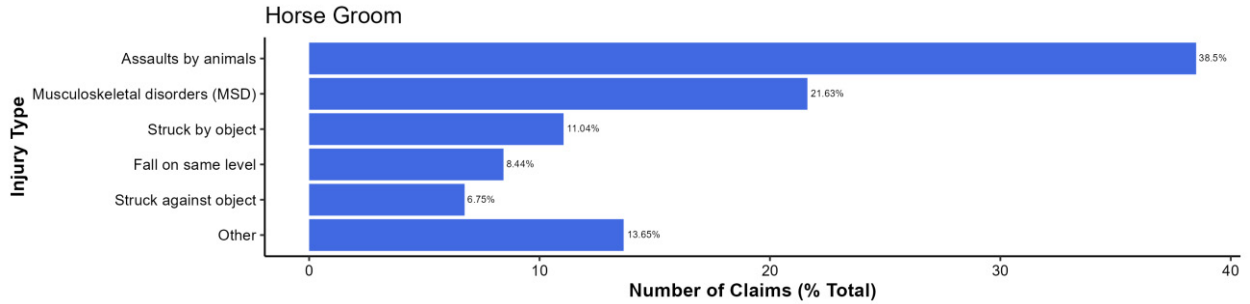
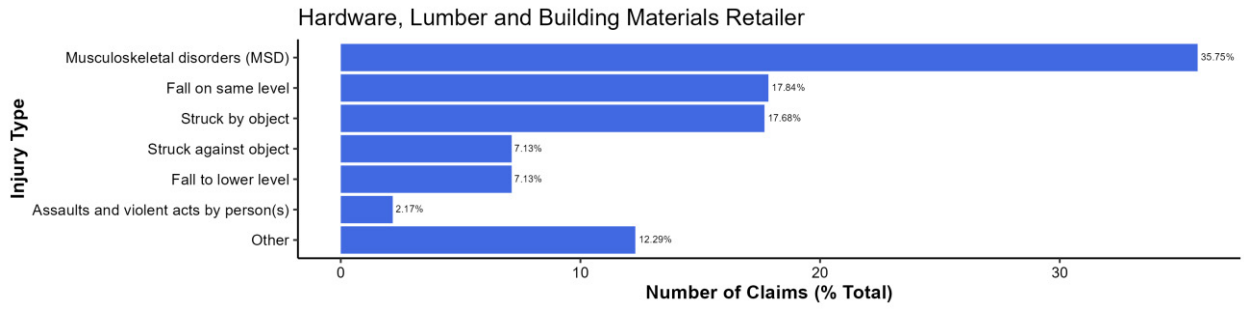




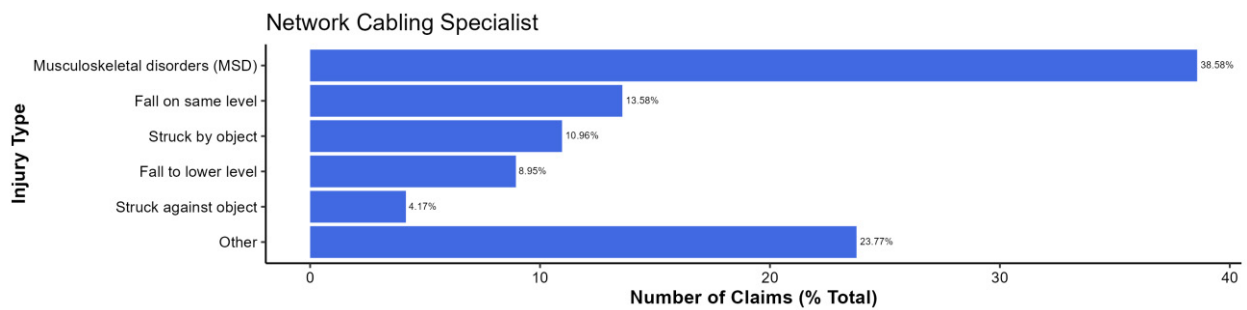
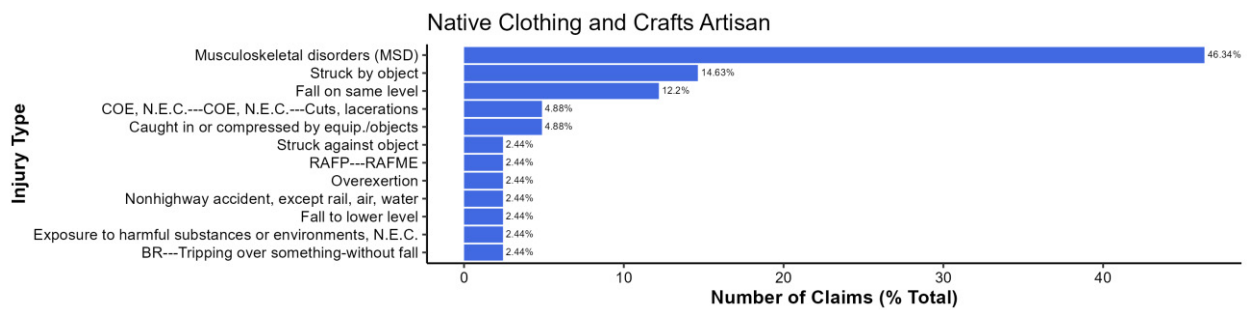
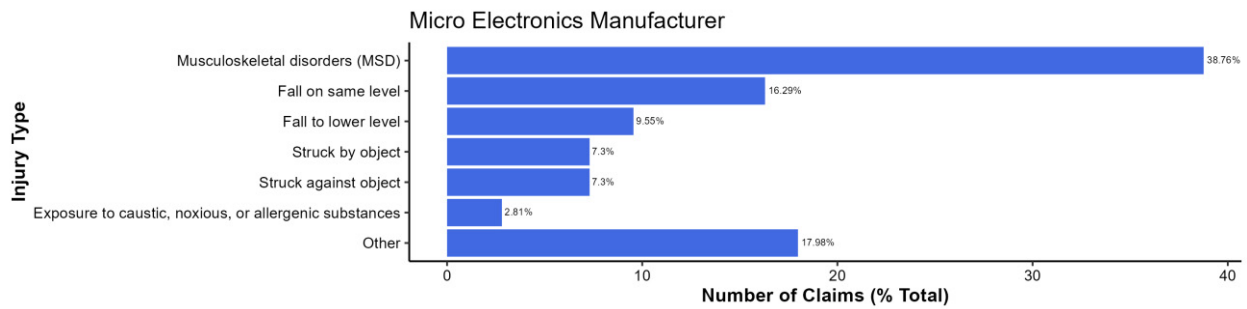
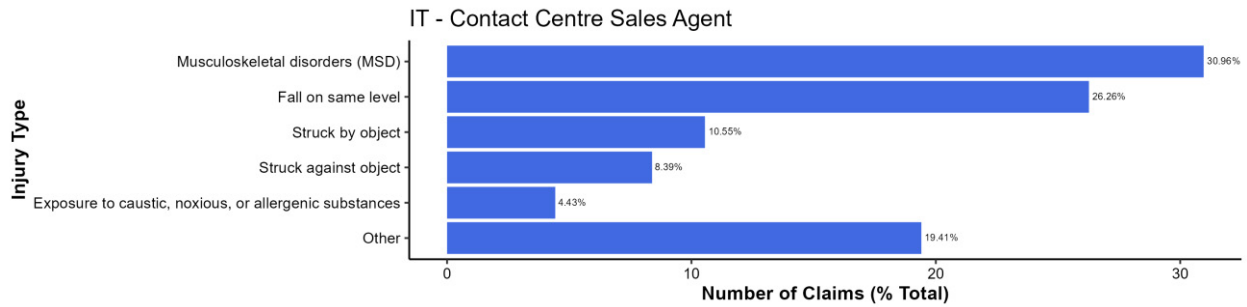
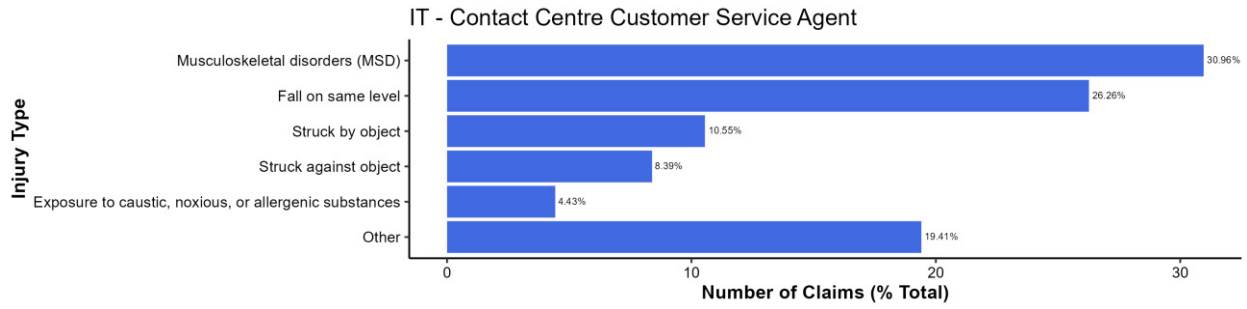
**GAP ANALYSIS OF OHS CURRICULA
IN SERVICE SECTOR: ANNEX A**



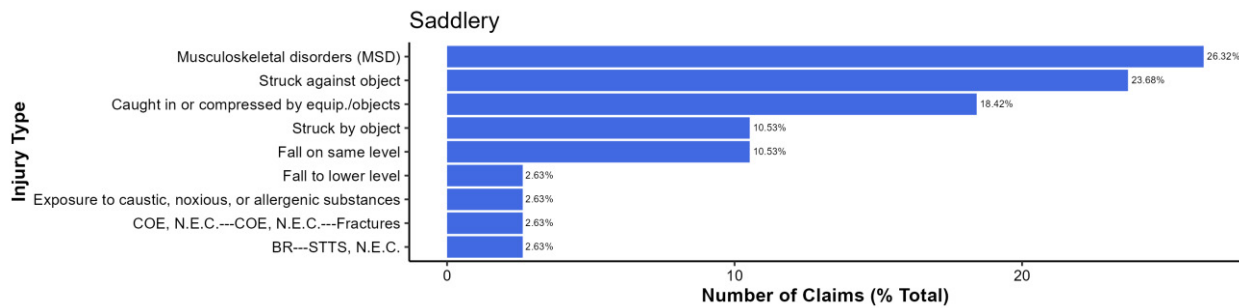
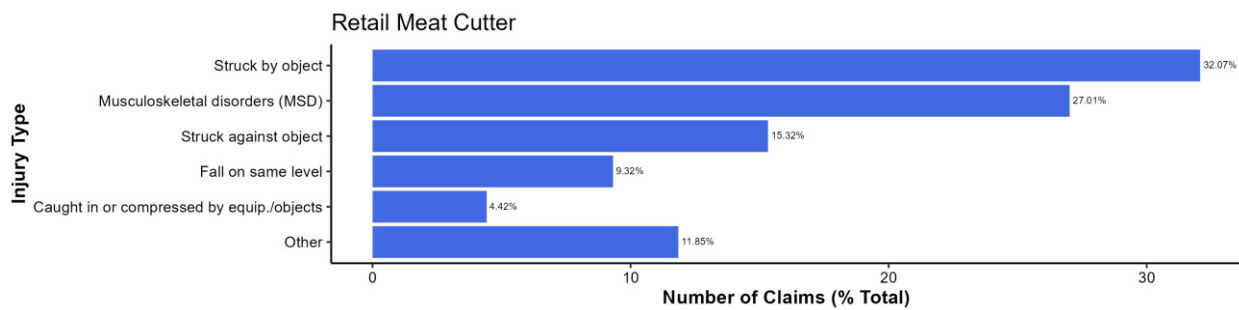
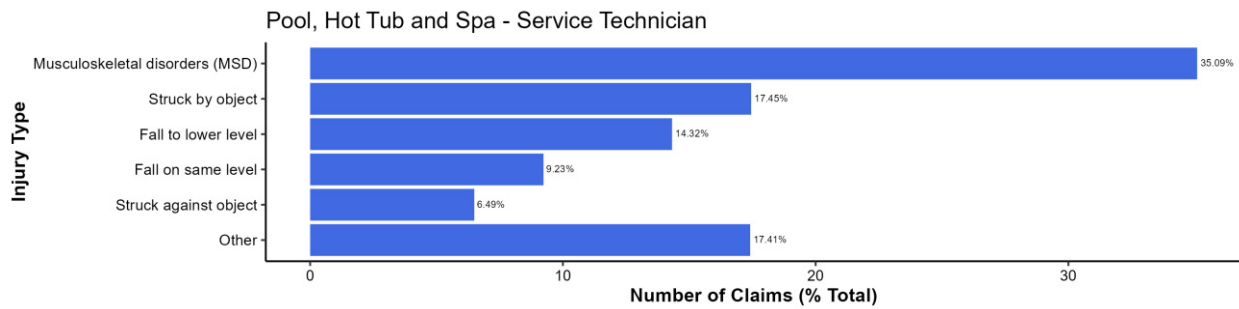
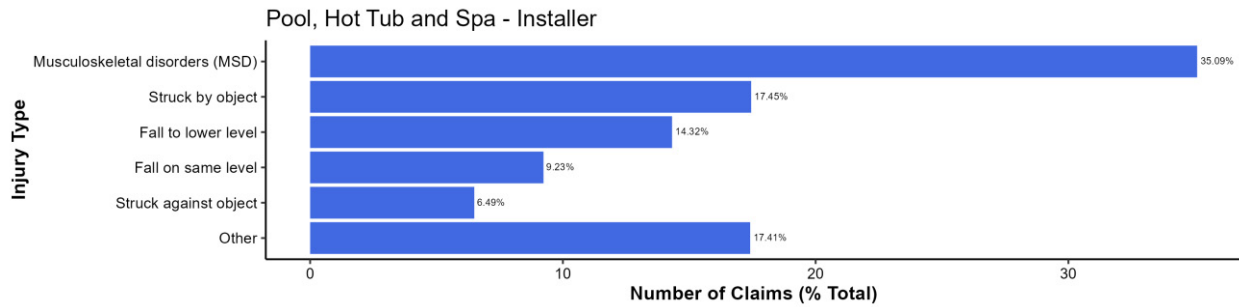
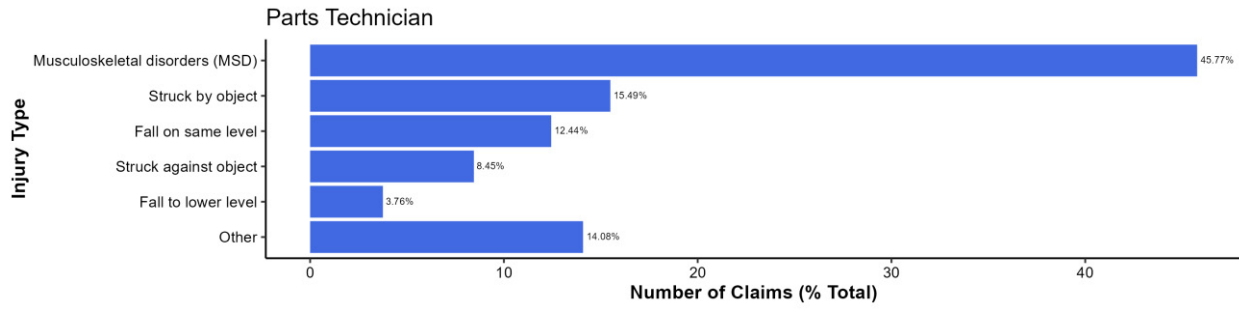


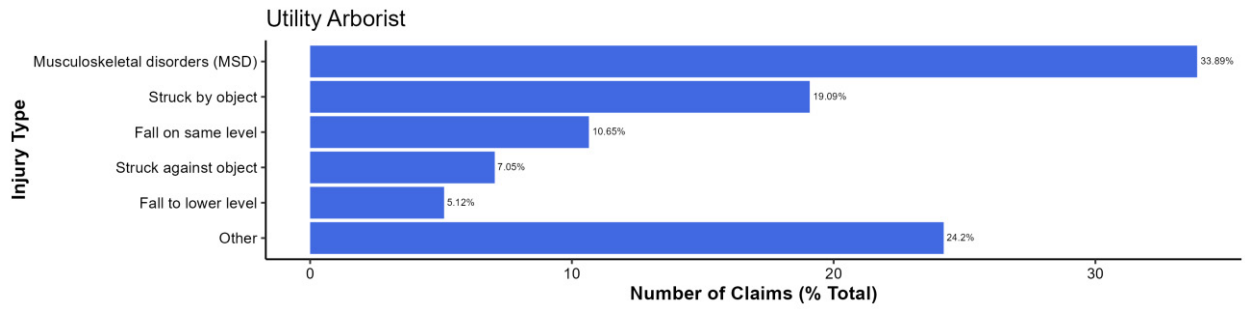
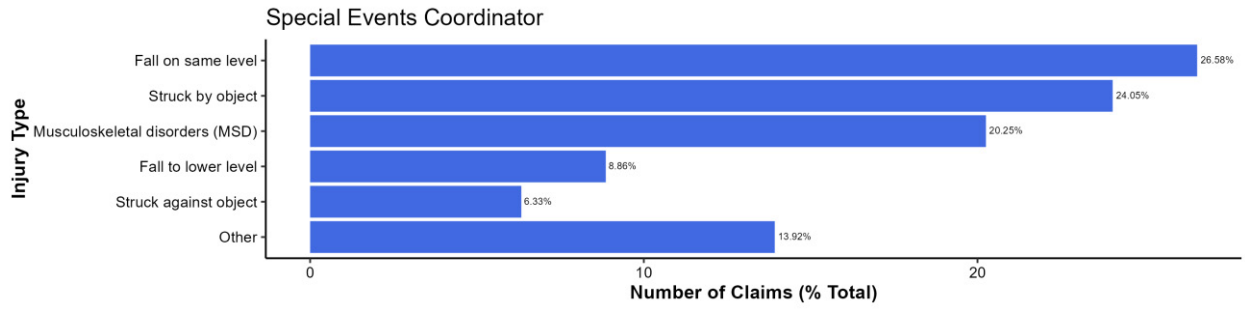


**GAP ANALYSIS OF OHS CURRICULA
IN SERVICE SECTOR: ANNEX A**

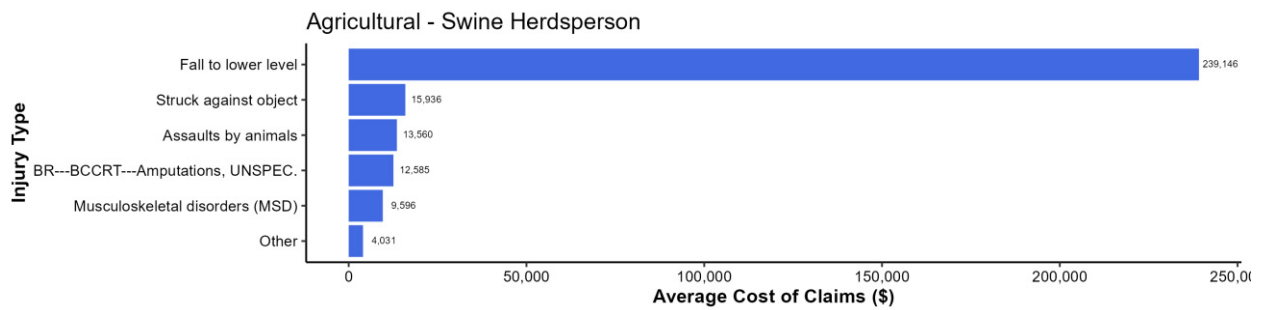
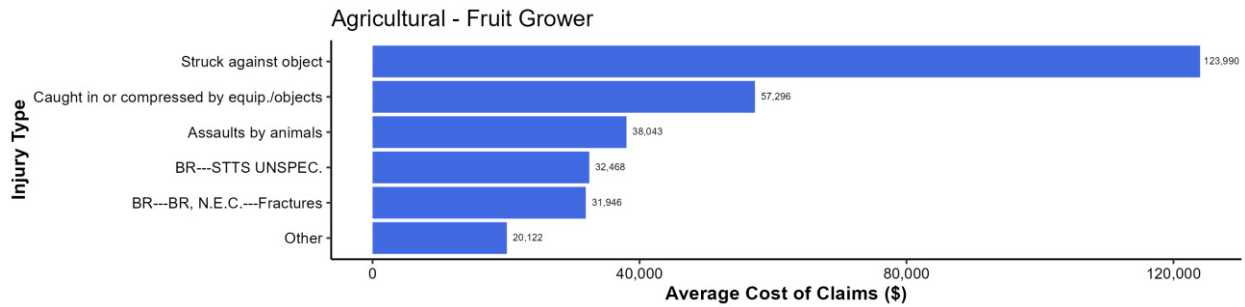
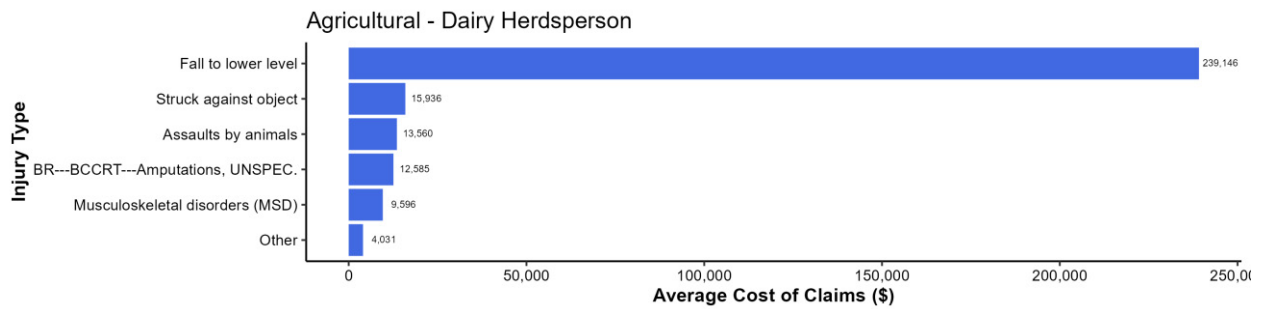
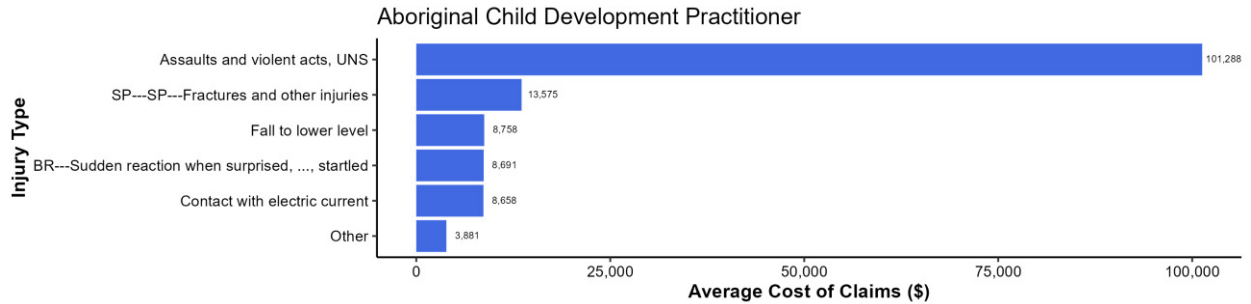


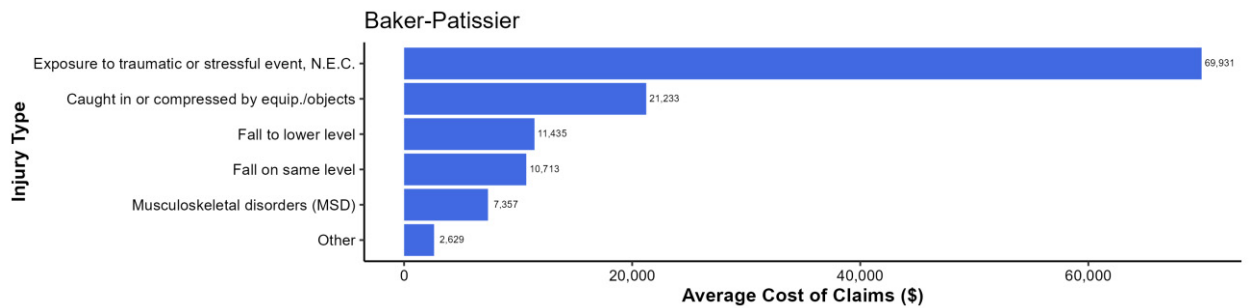
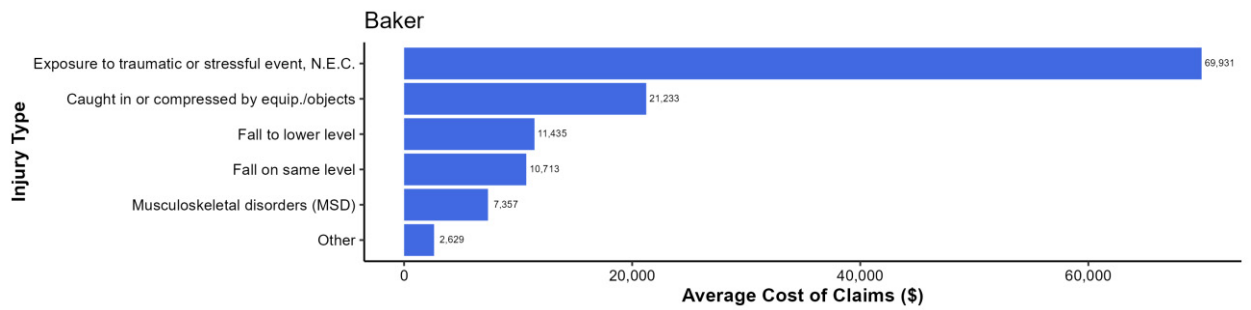
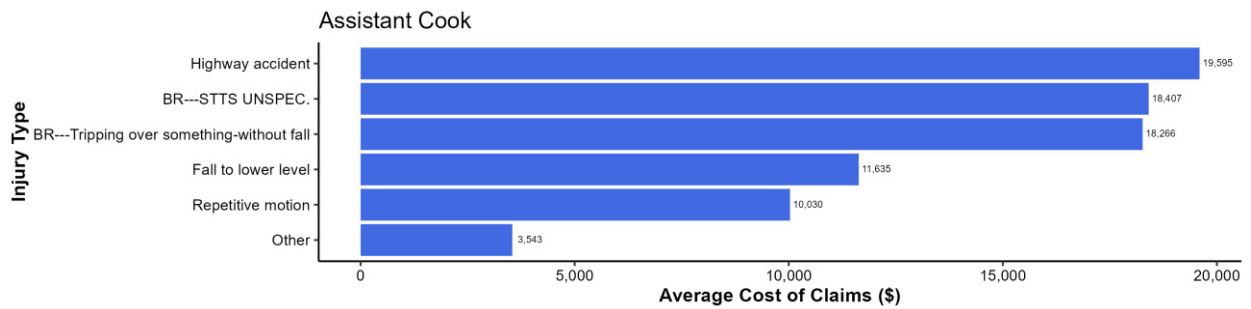
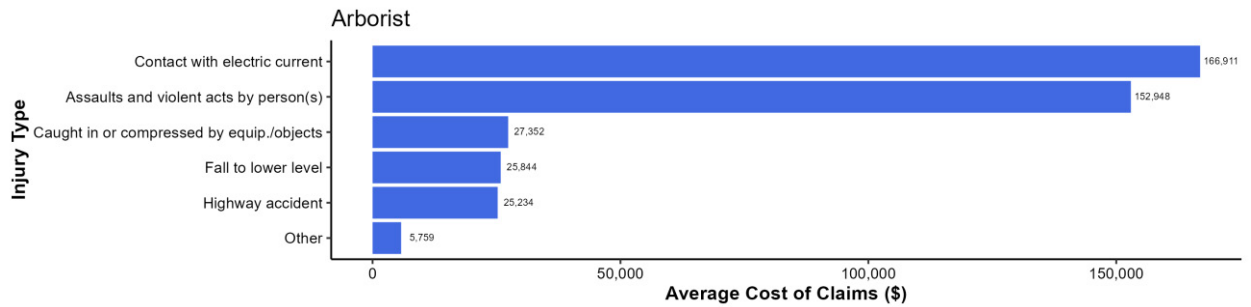
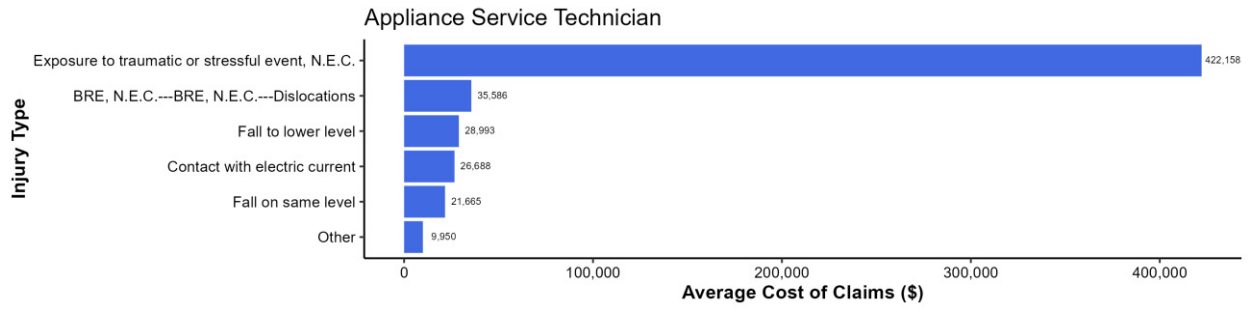
**GAP ANALYSIS OF OHS CURRICULA
IN SERVICE SECTOR: ANNEX A**



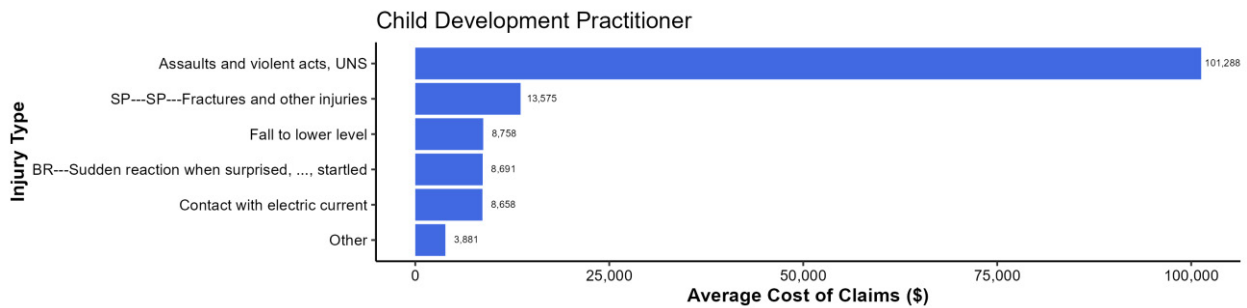
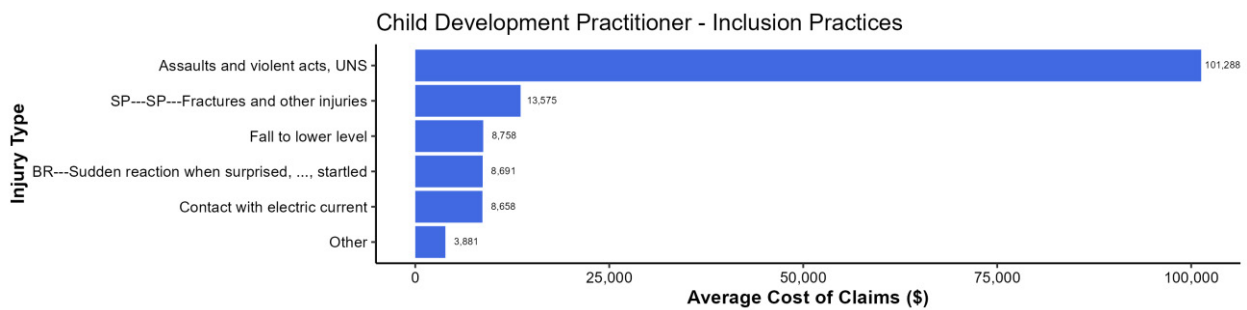
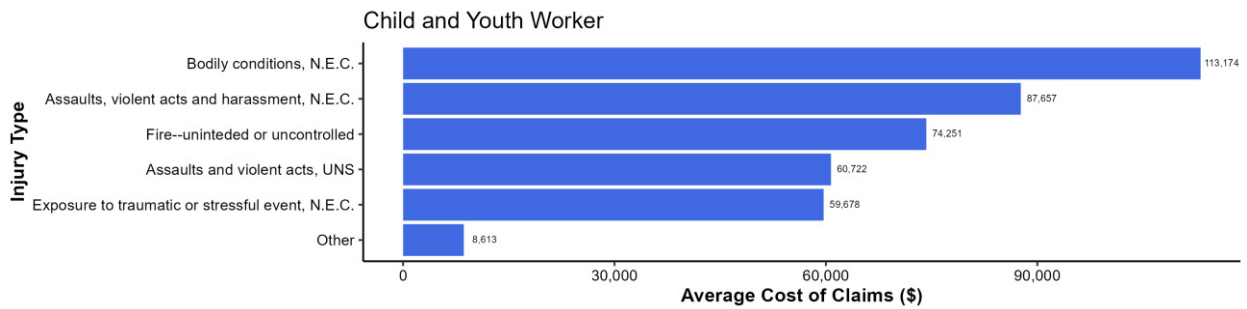
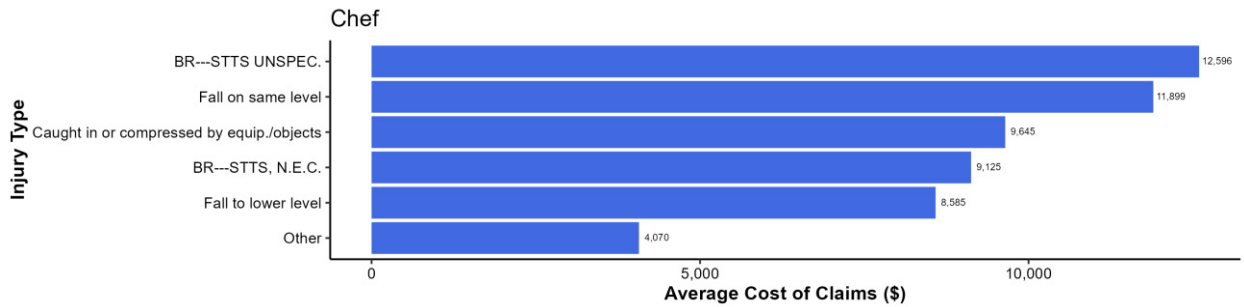
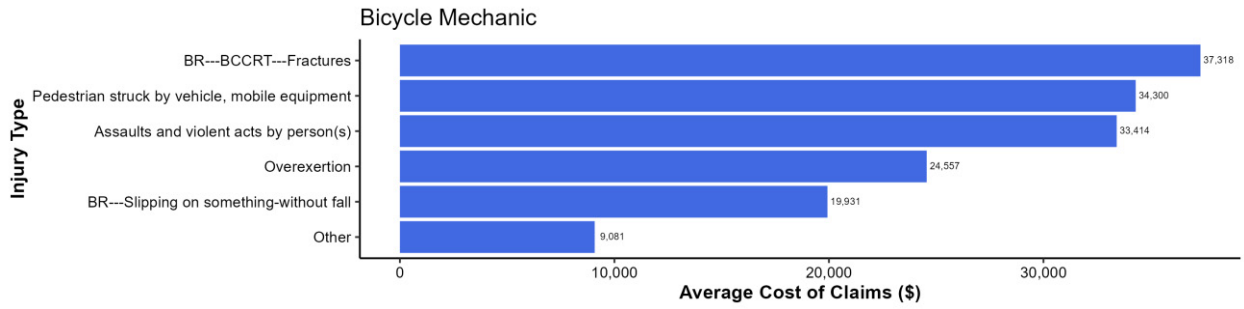


Section 2: Average cost of claim for each injury type

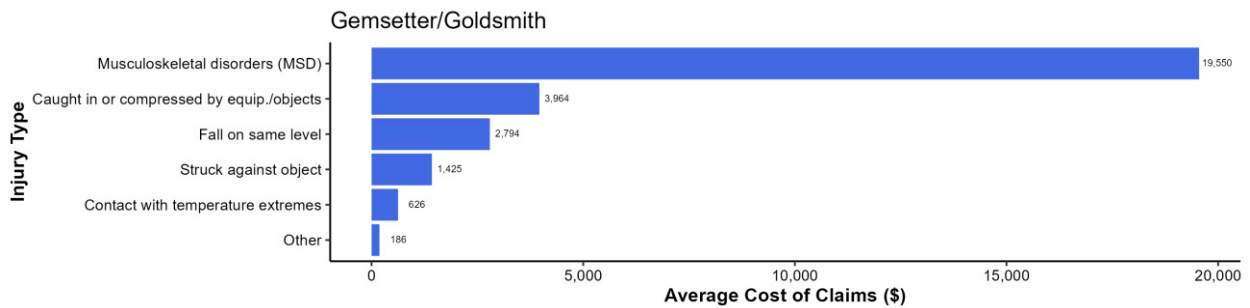
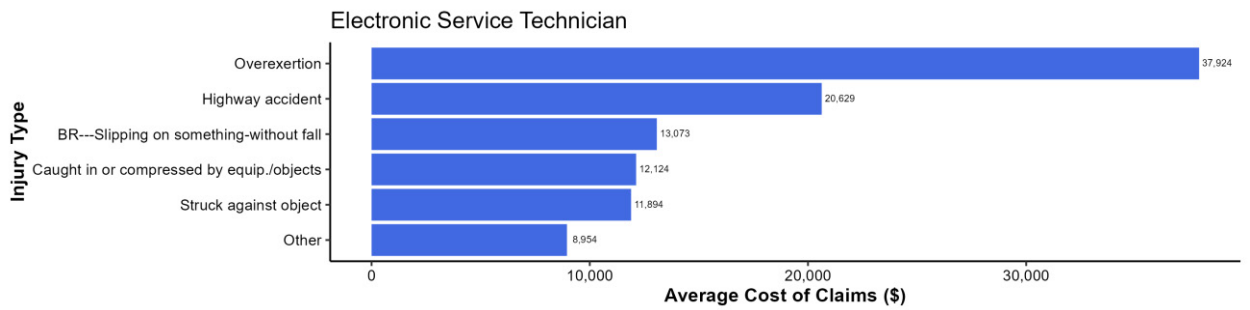
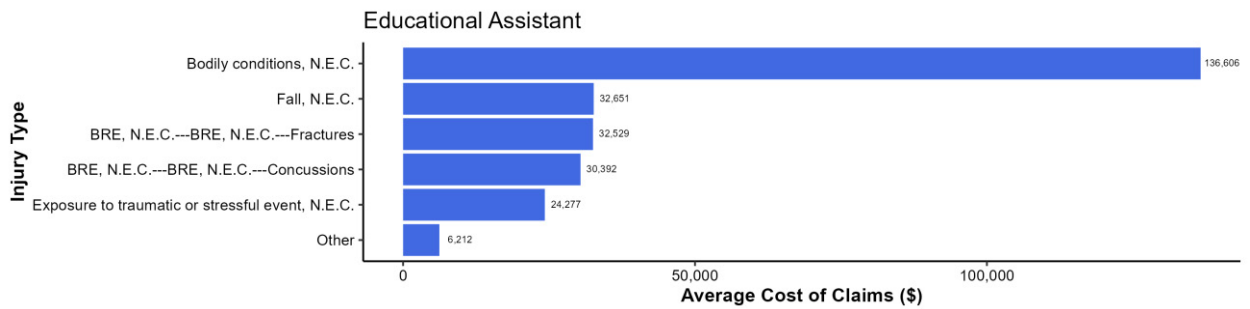
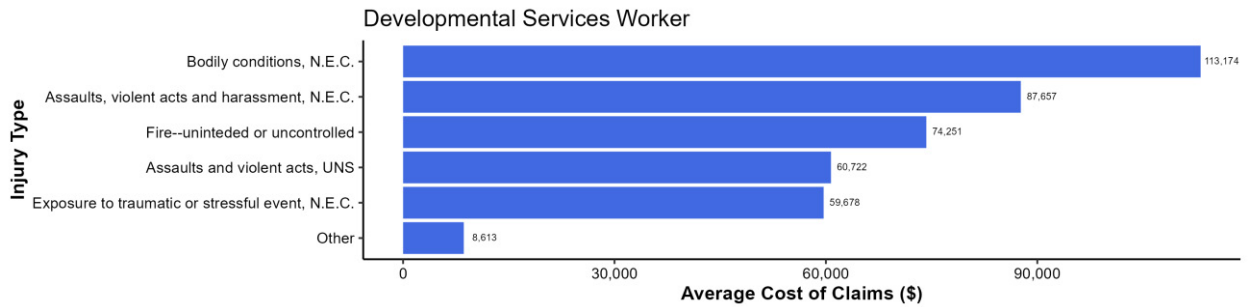
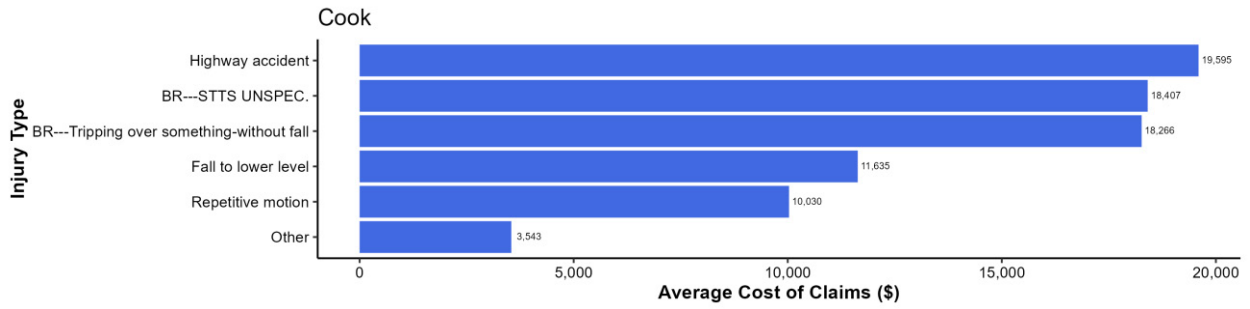


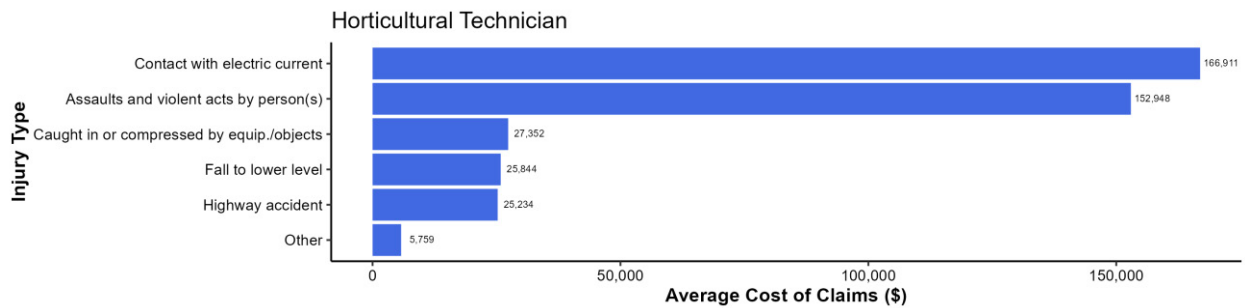
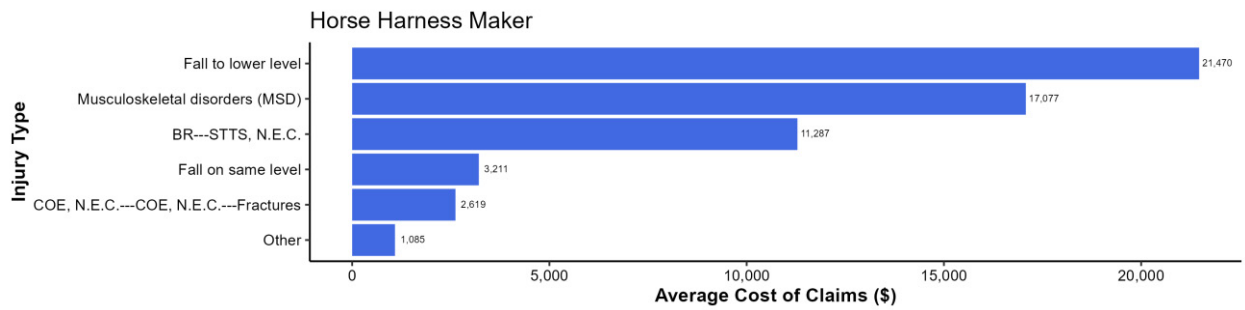
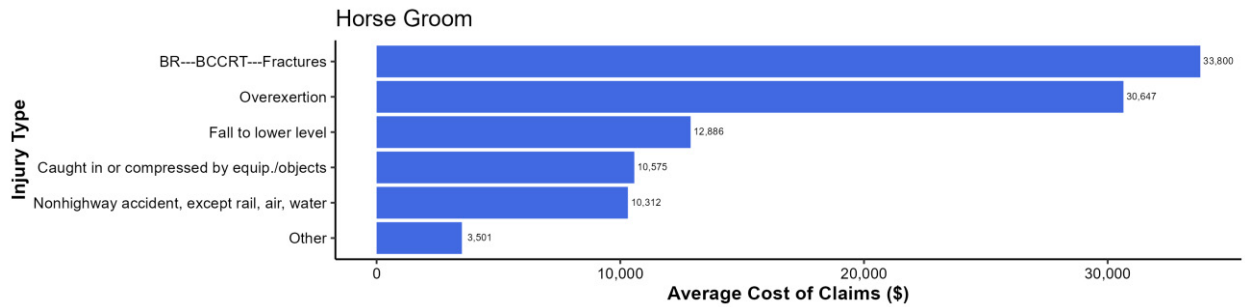
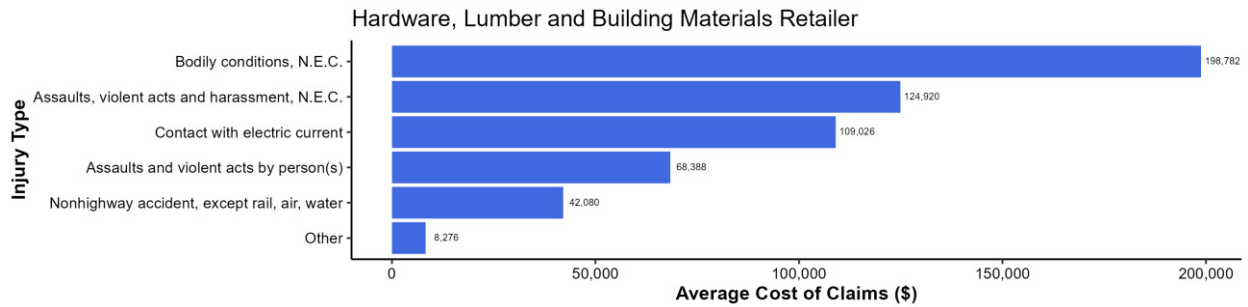
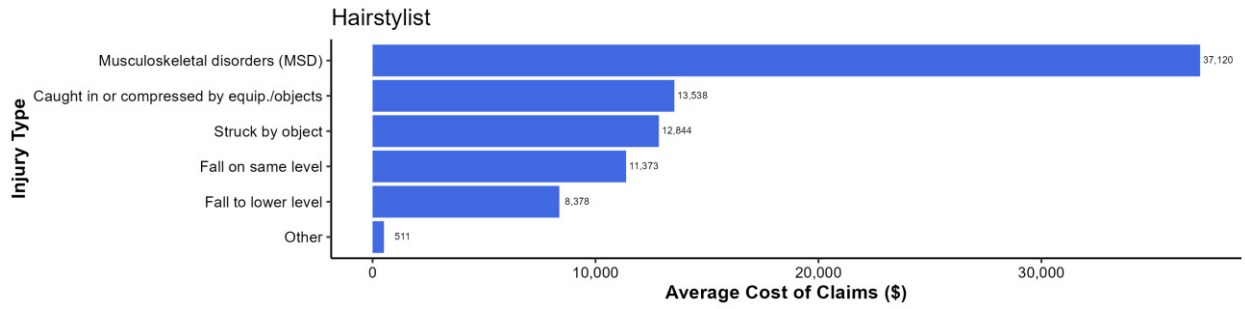


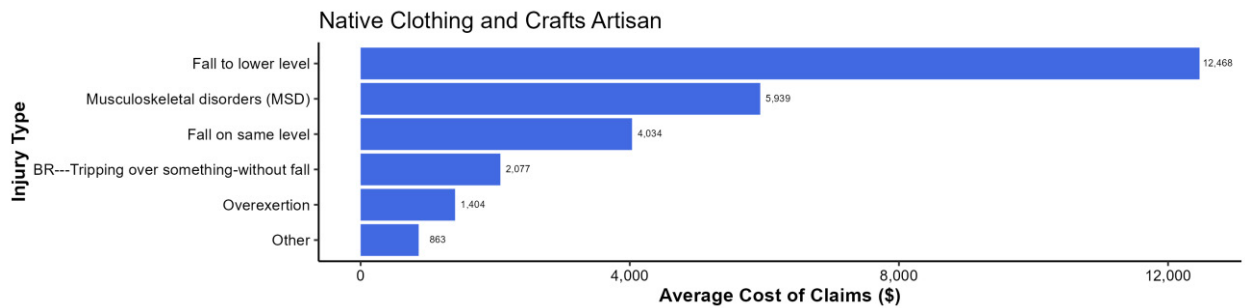
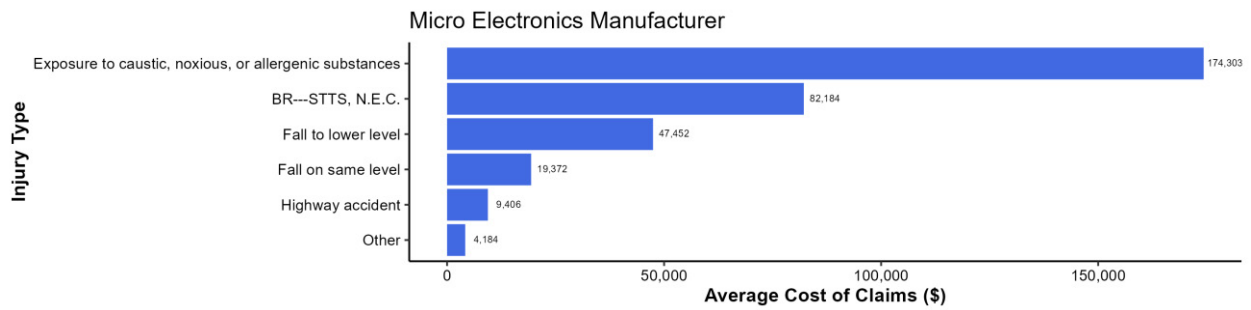
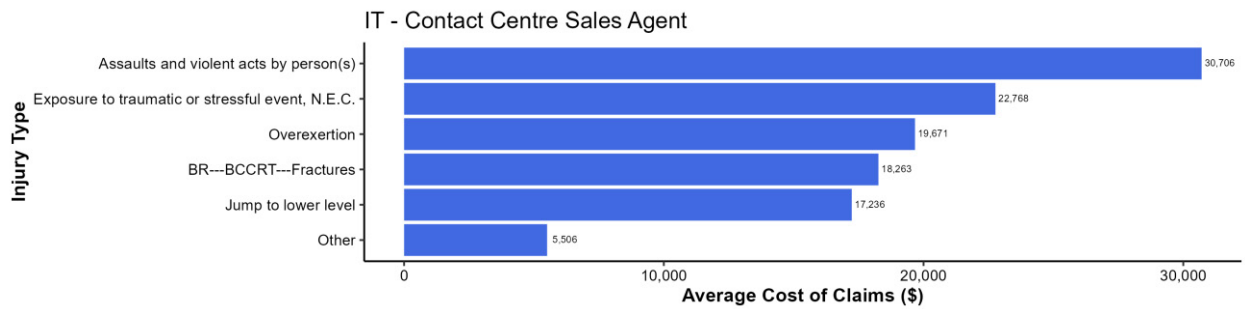
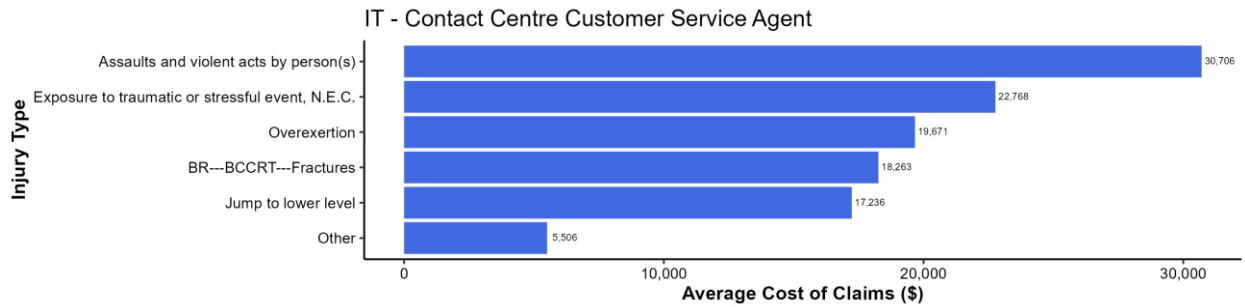
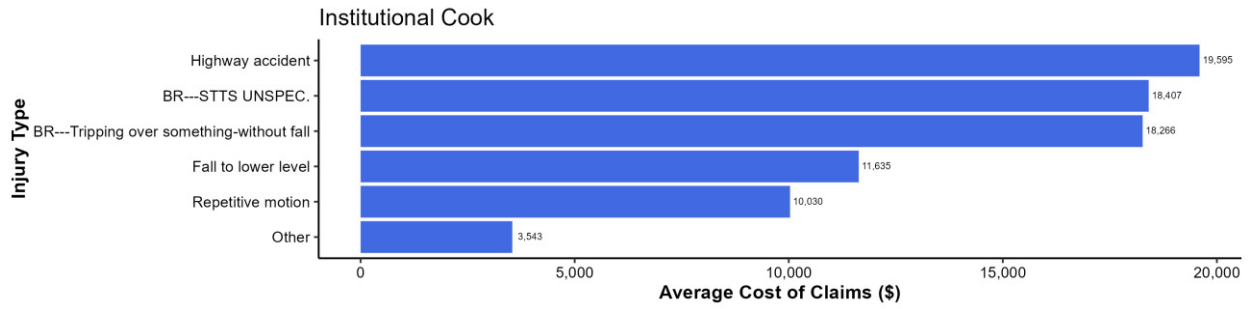
**GAP ANALYSIS OF OHS CURRICULA
IN SERVICE SECTOR: ANNEX A**



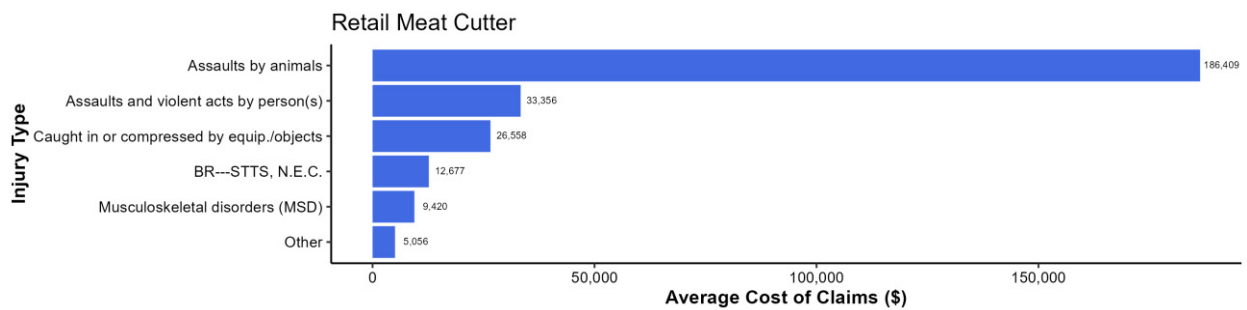
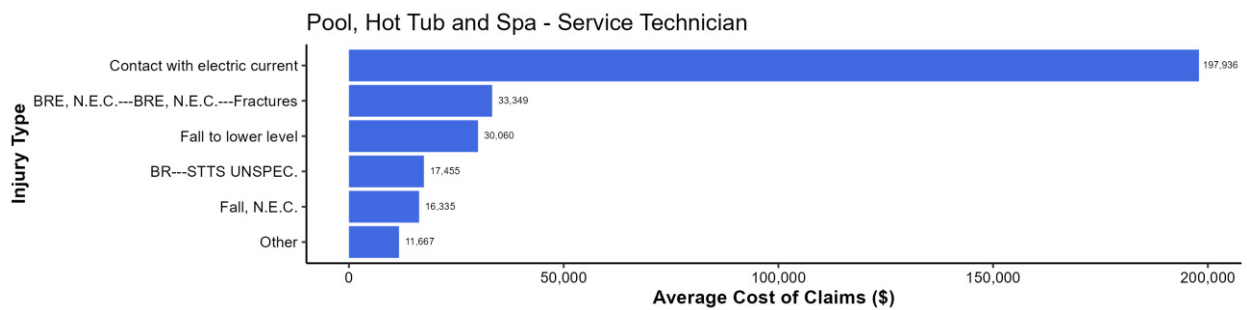
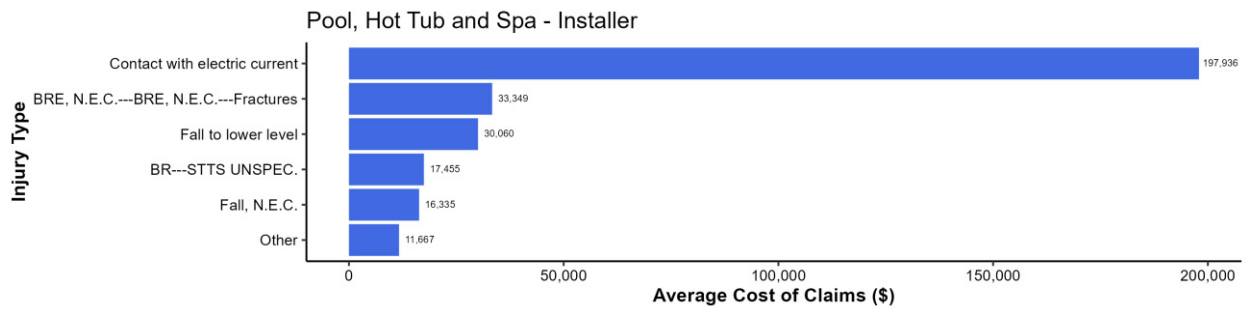
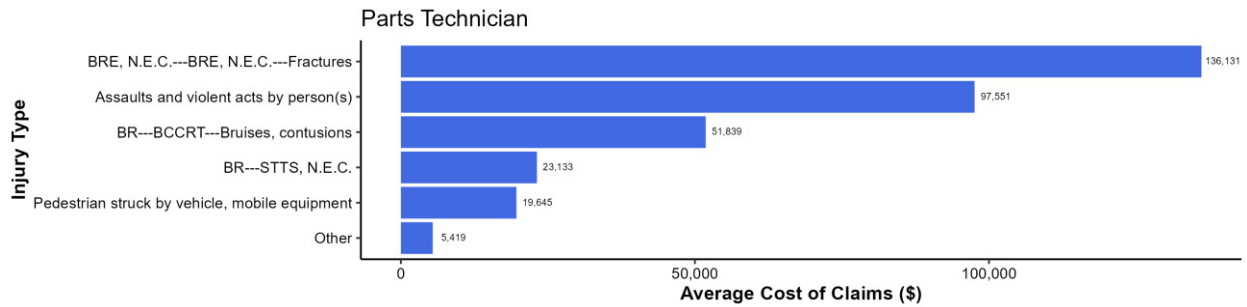
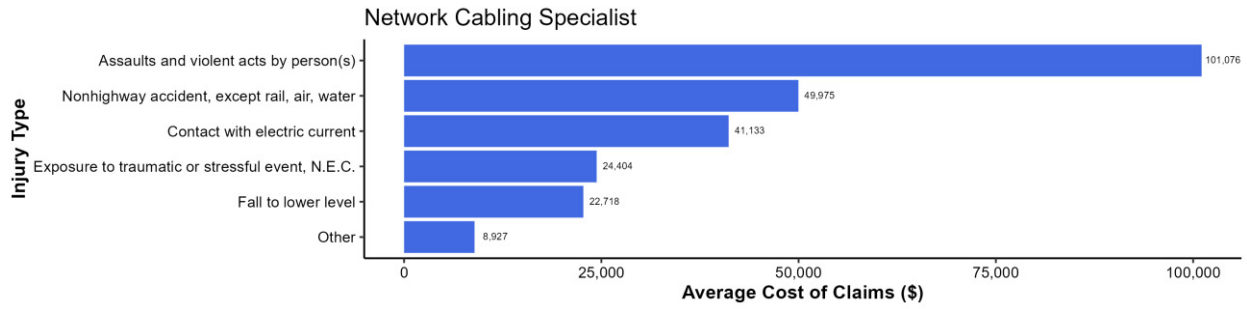
**GAP ANALYSIS OF OHS CURRICULA
IN SERVICE SECTOR: ANNEX A**



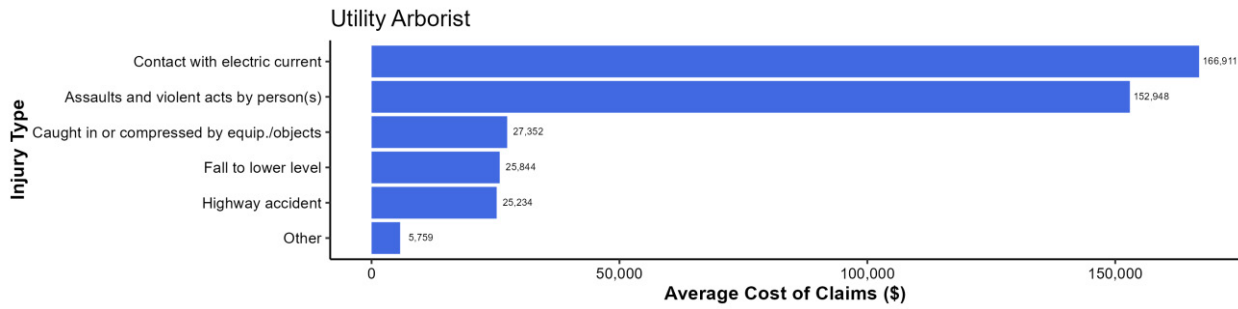
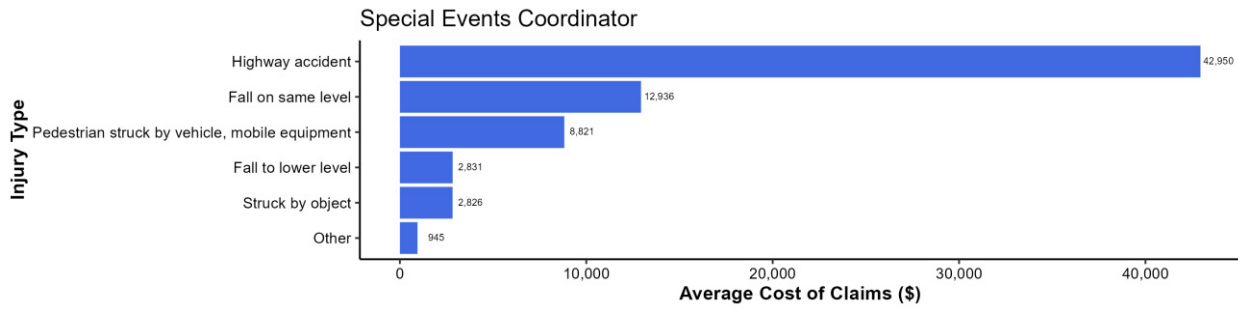
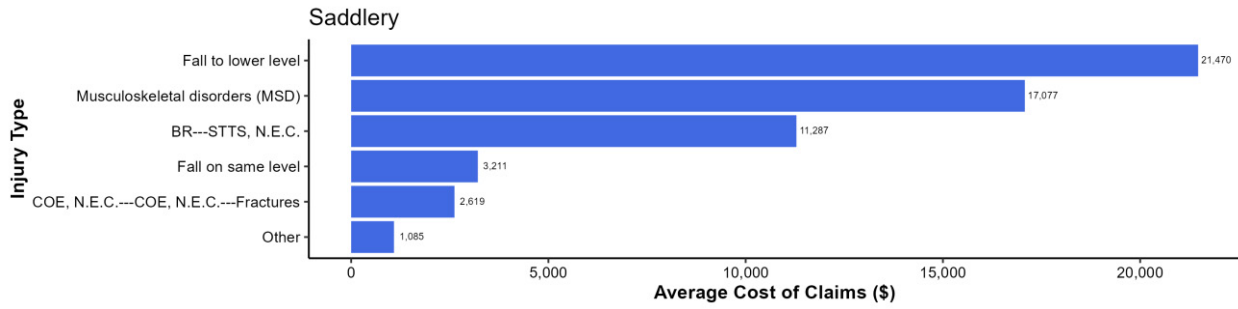




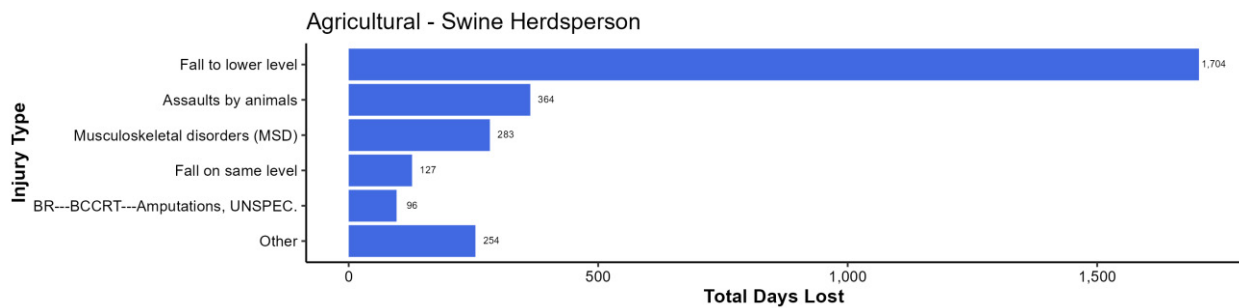
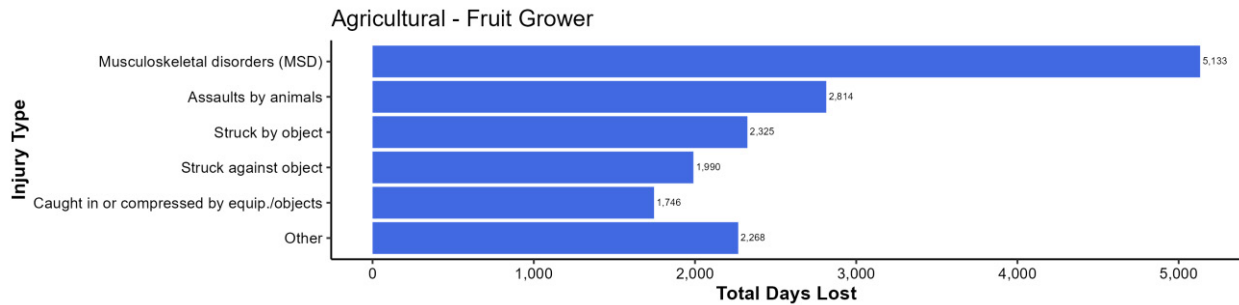
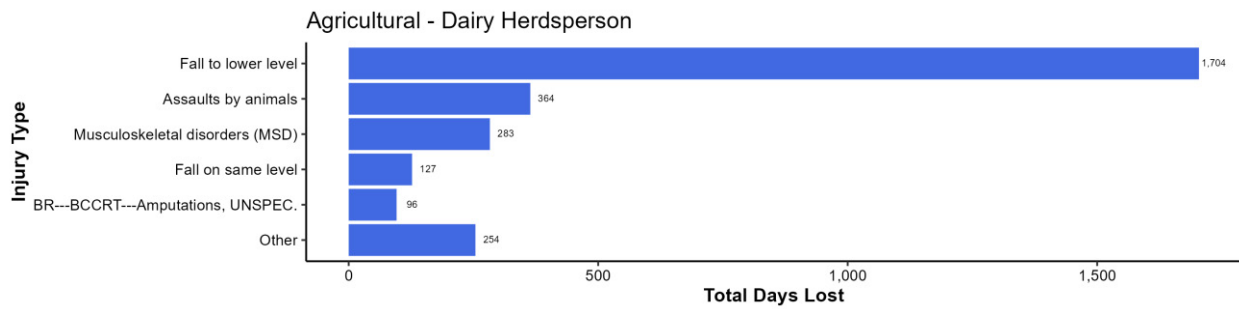
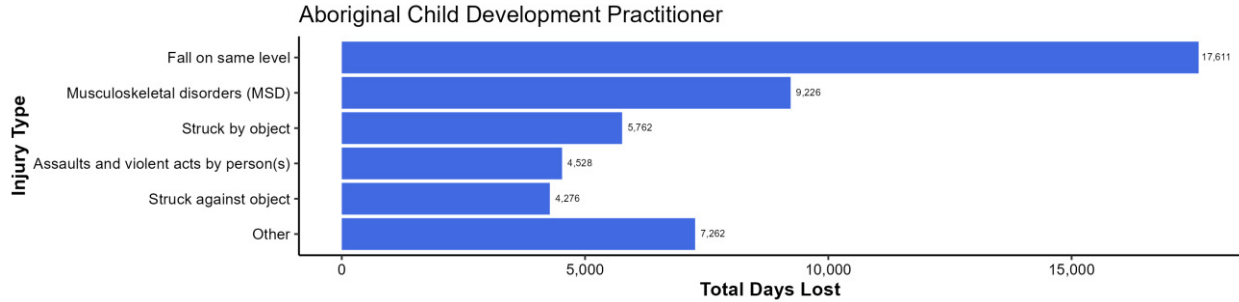
**GAP ANALYSIS OF OHS CURRICULA
IN SERVICE SECTOR: ANNEX A**

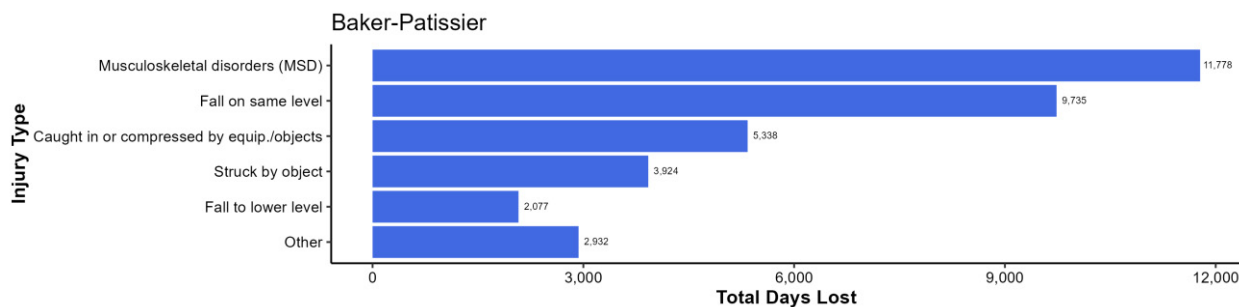
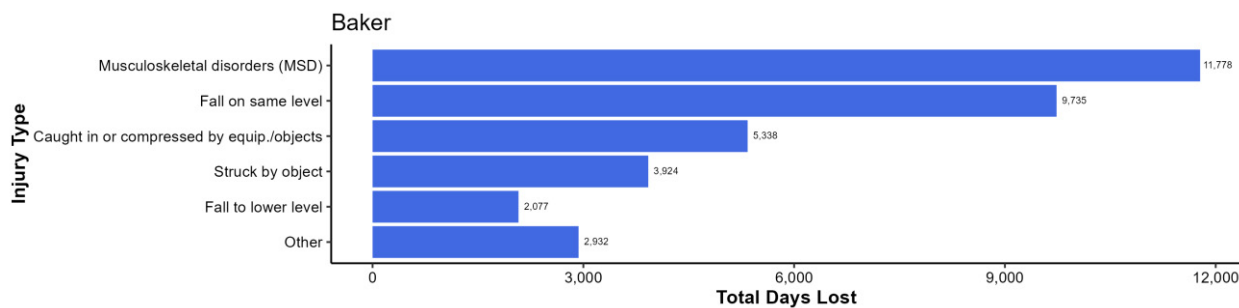
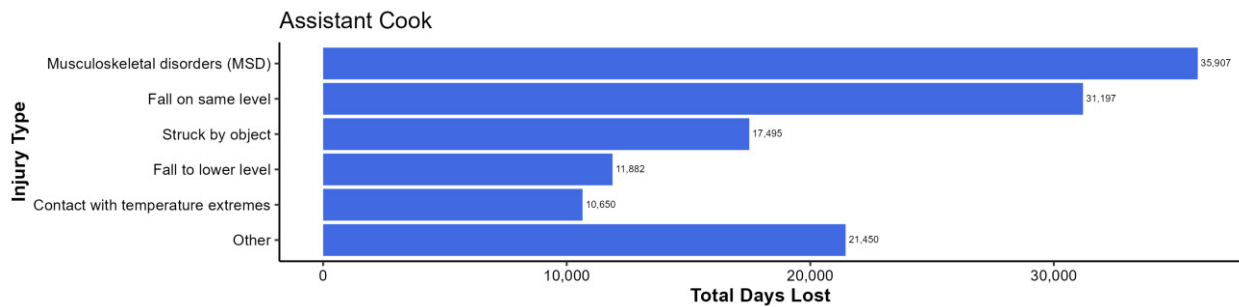
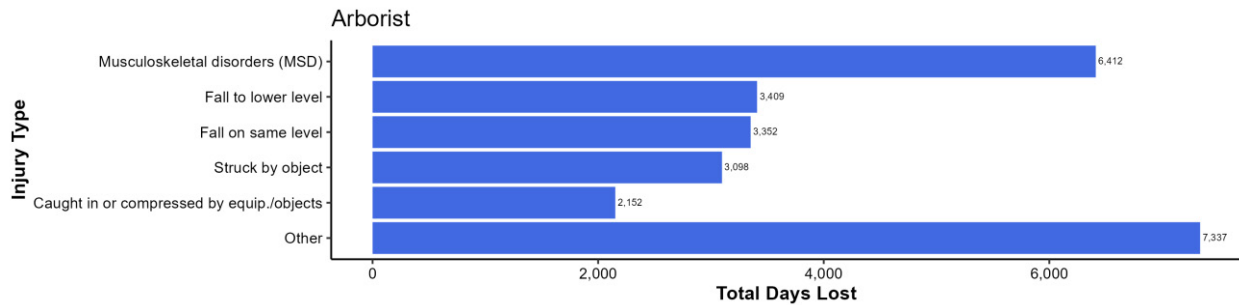
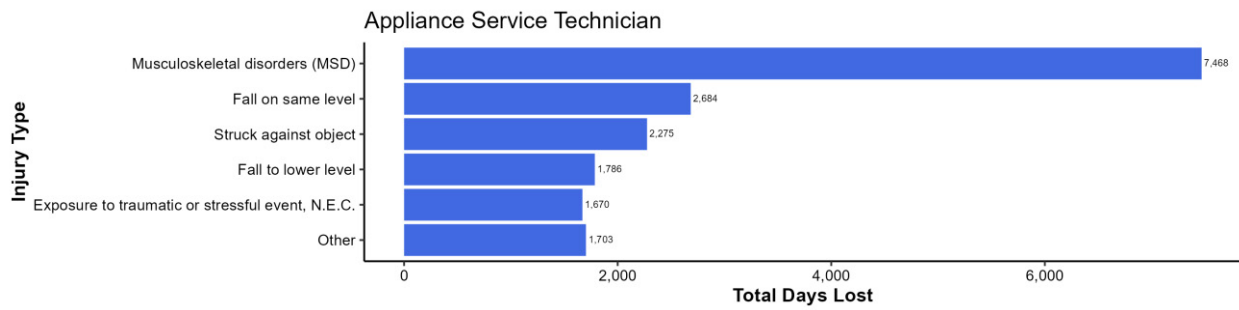


**GAP ANALYSIS OF OHS CURRICULA
IN SERVICE SECTOR: ANNEX A**

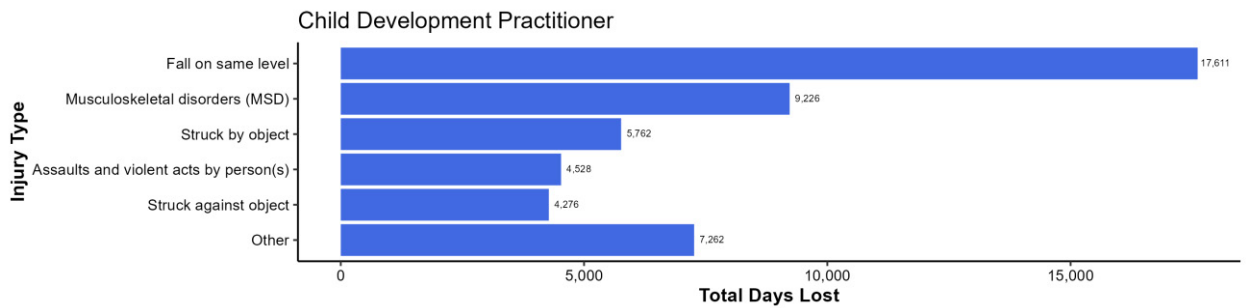
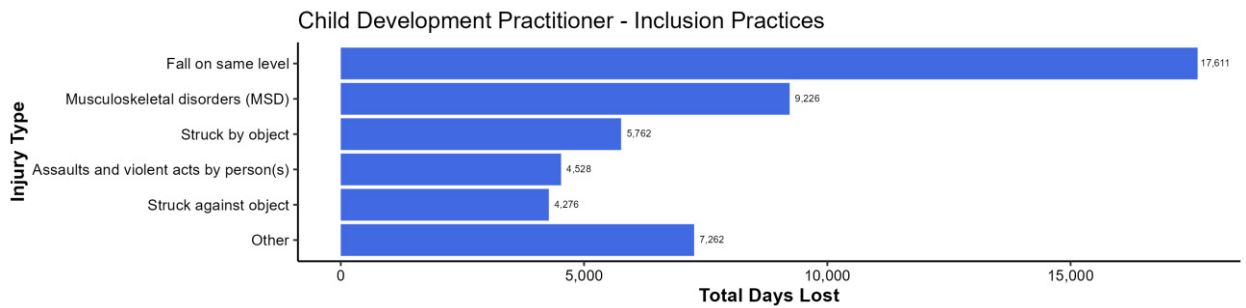
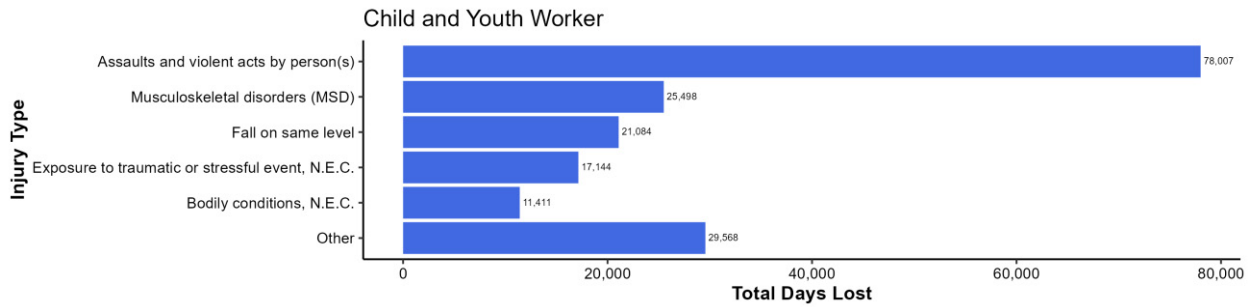
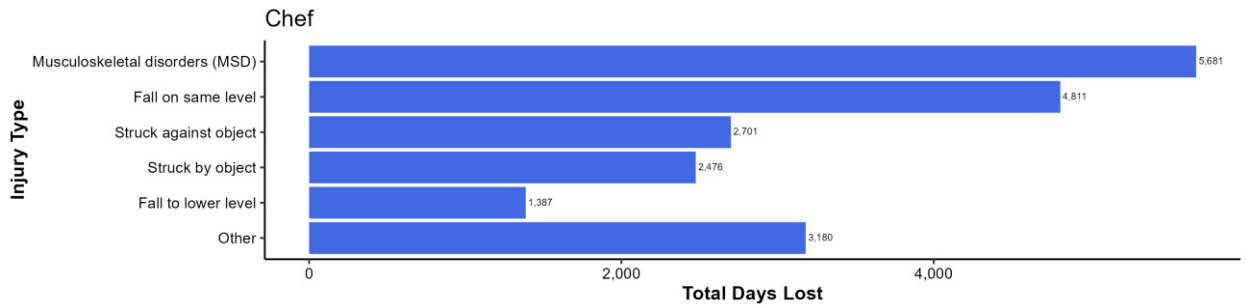
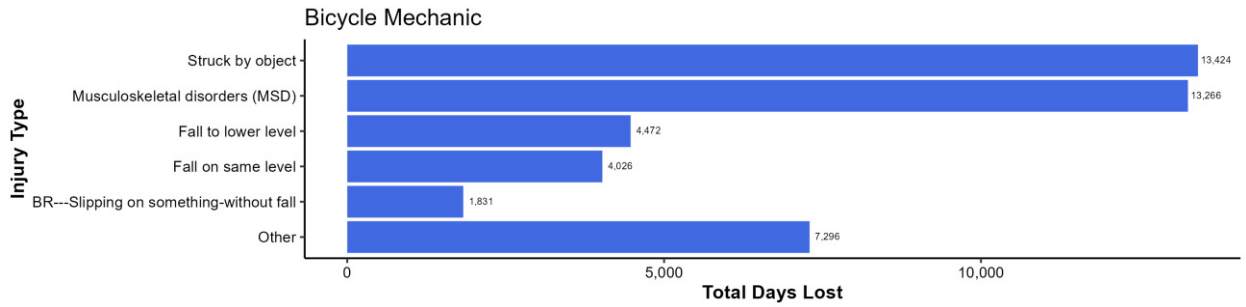


Section 3: Total days lost for each injury type

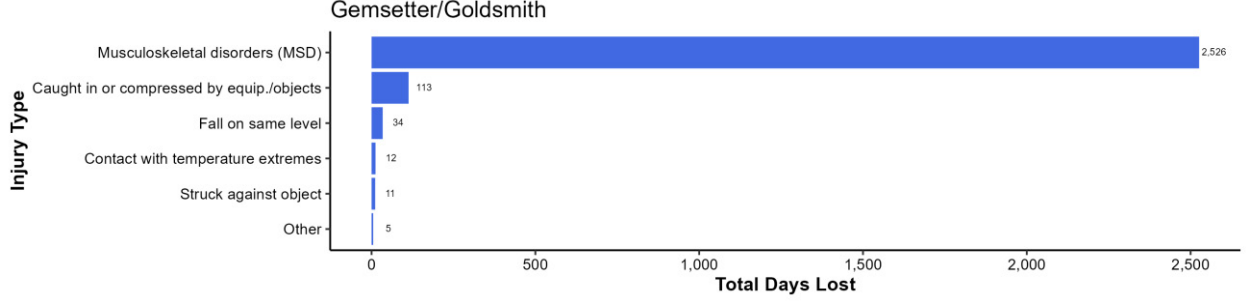
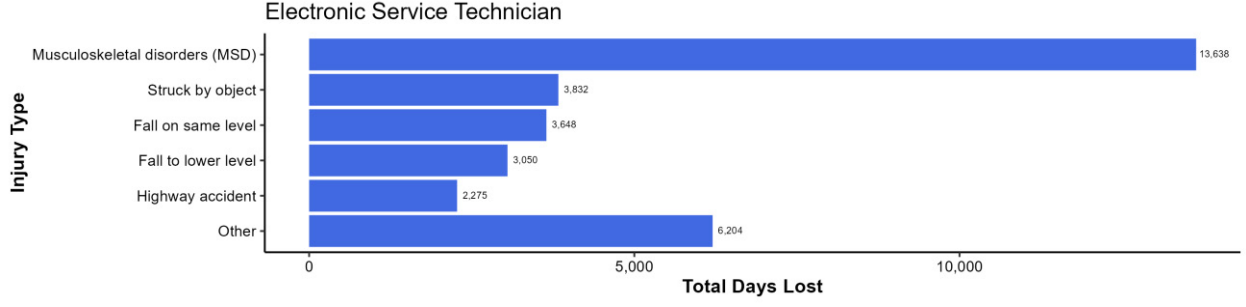
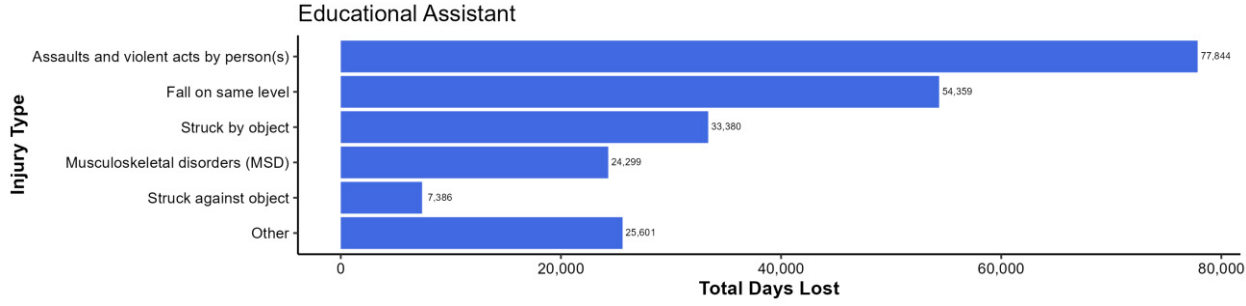
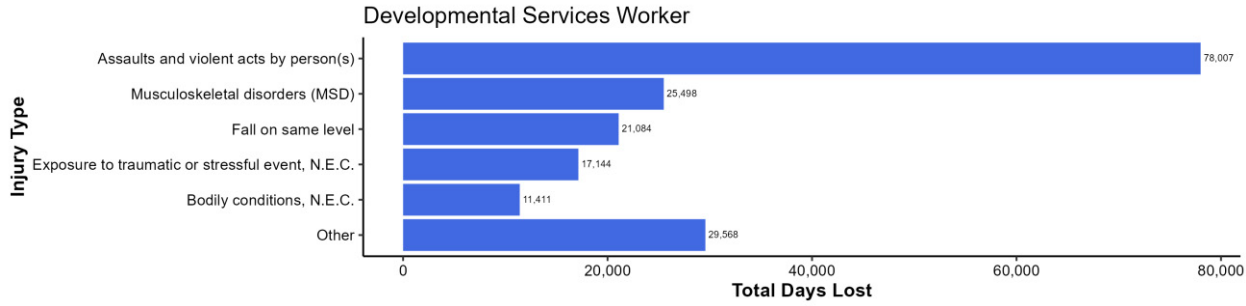
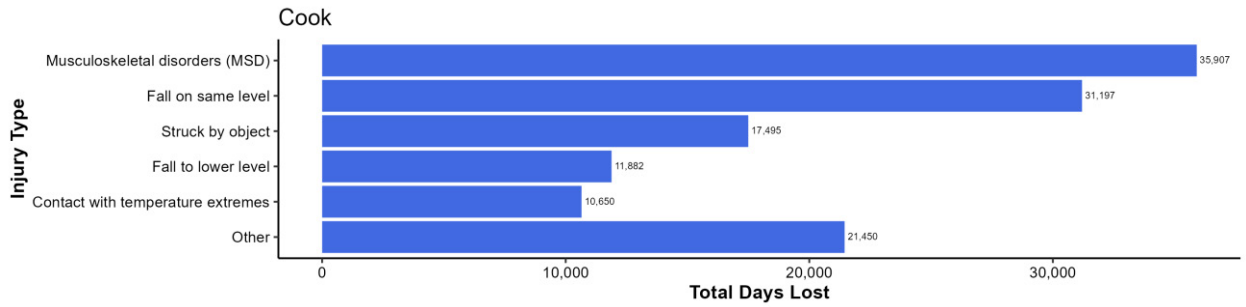




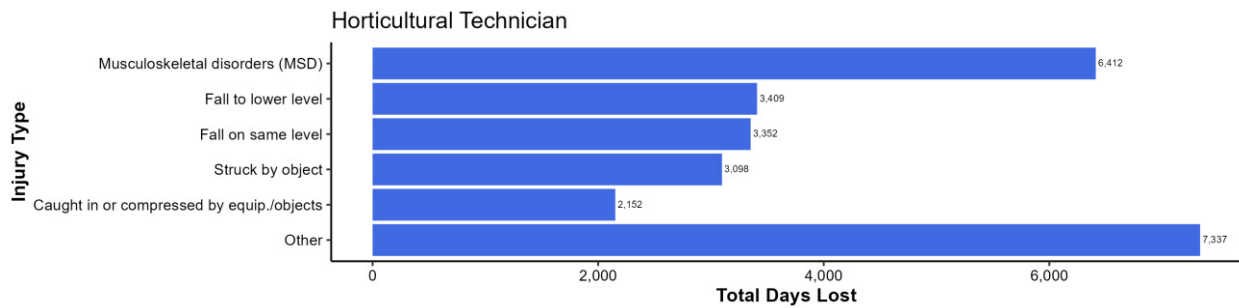
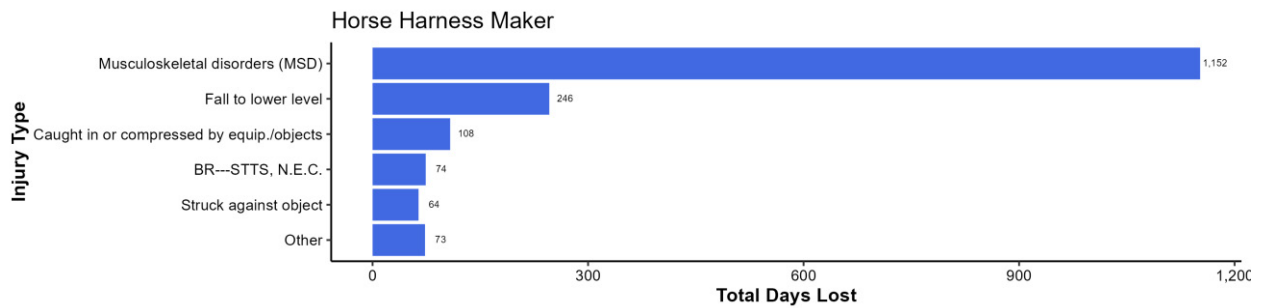
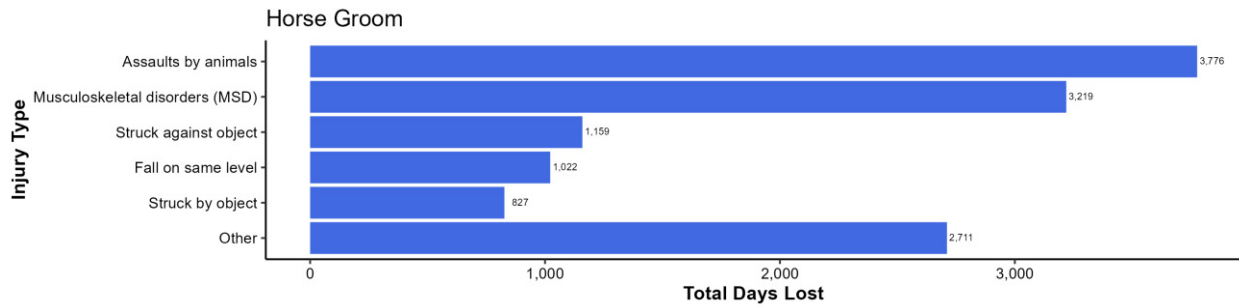
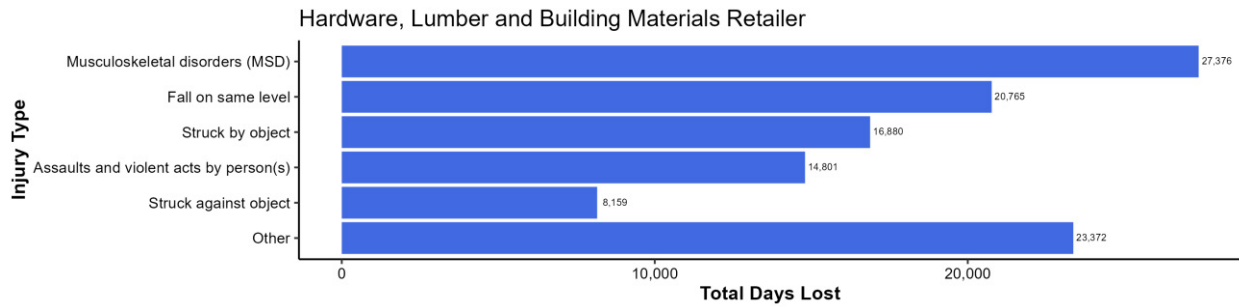
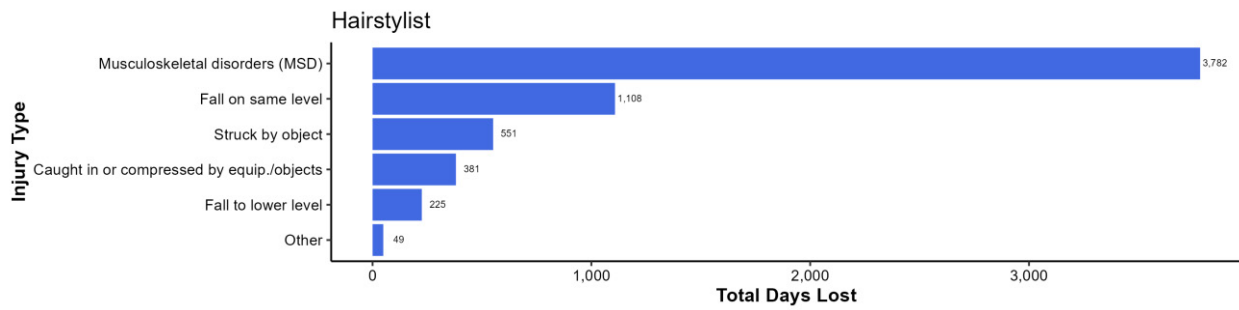
**GAP ANALYSIS OF OHS CURRICULA
IN SERVICE SECTOR: ANNEX A**

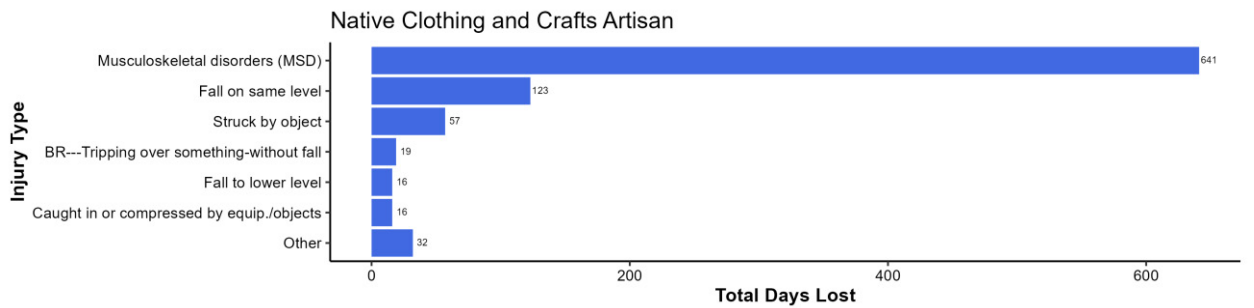
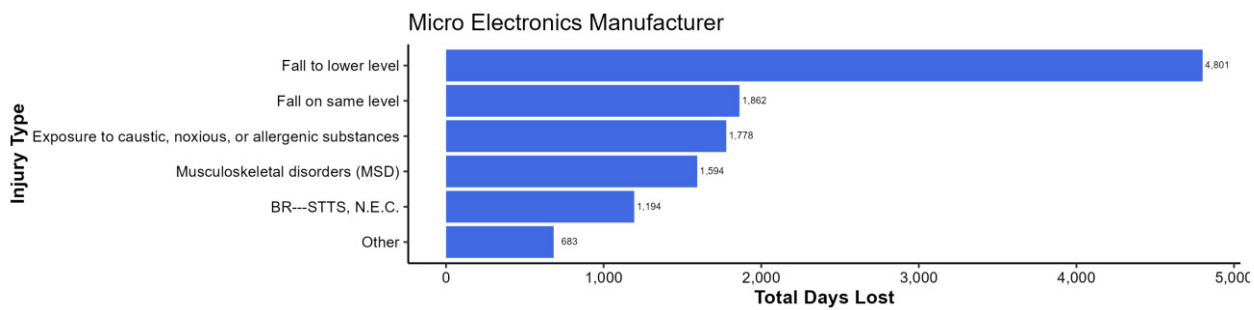
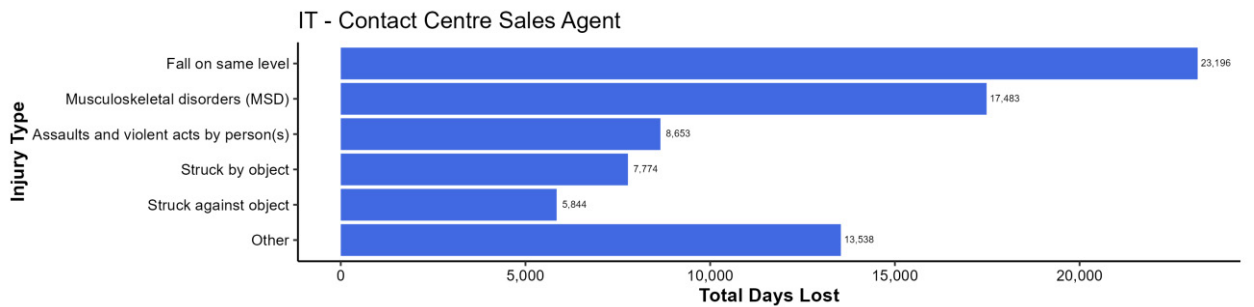
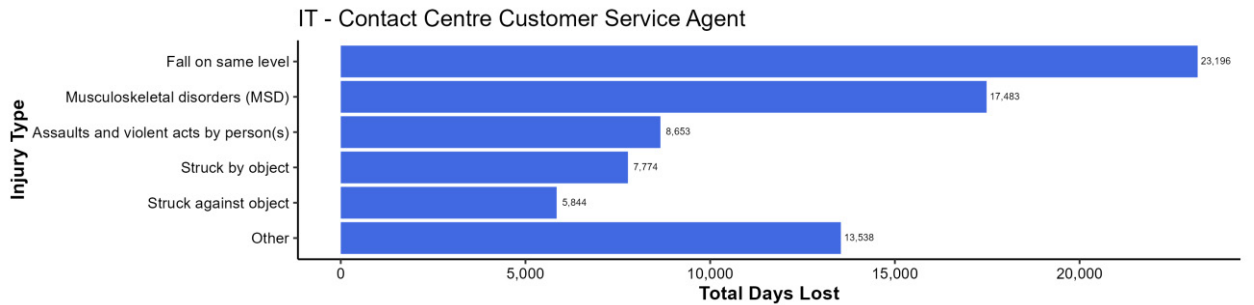
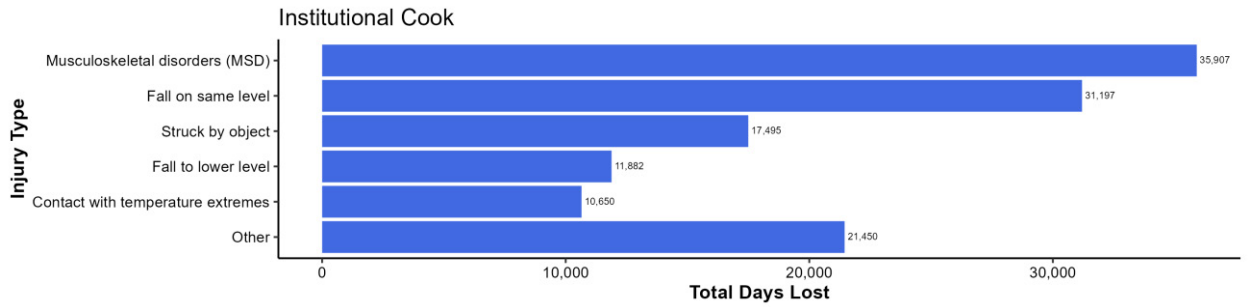


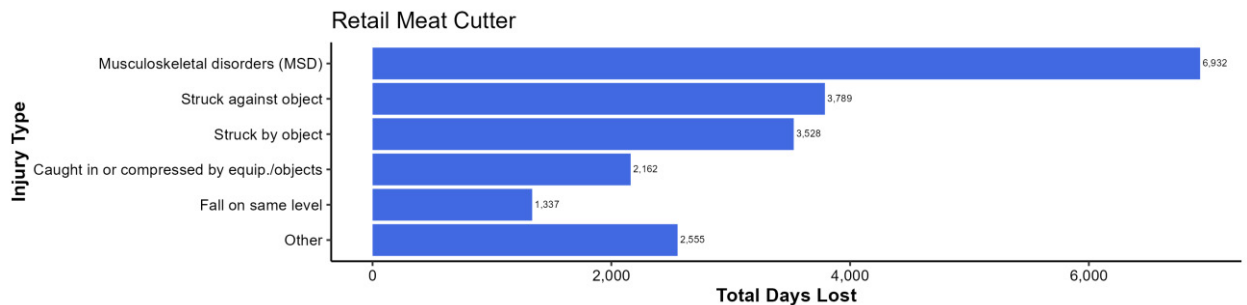
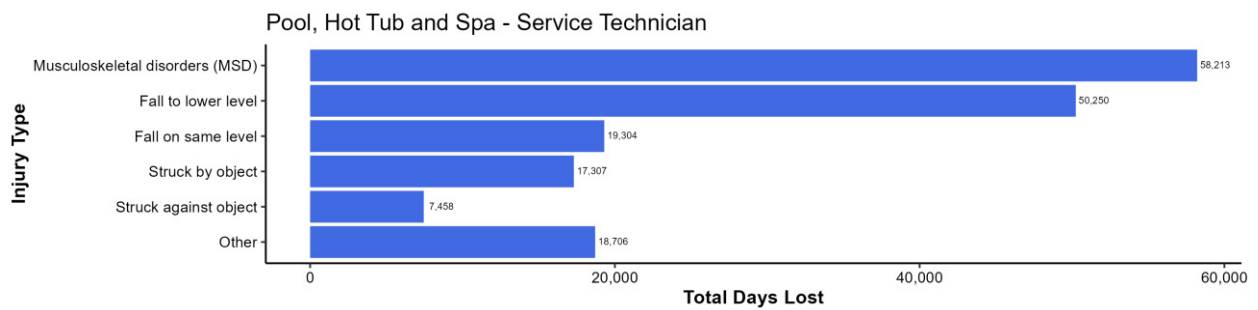
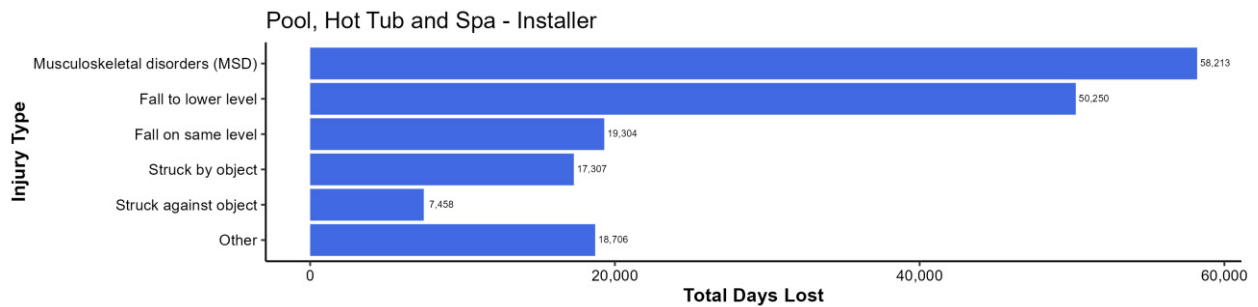
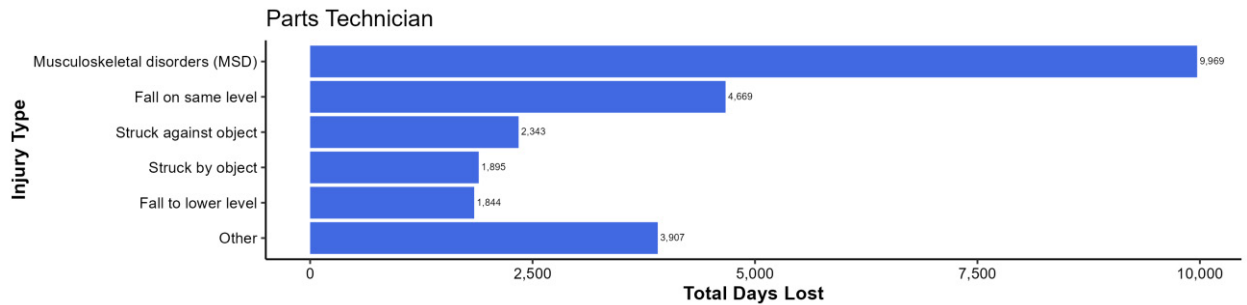
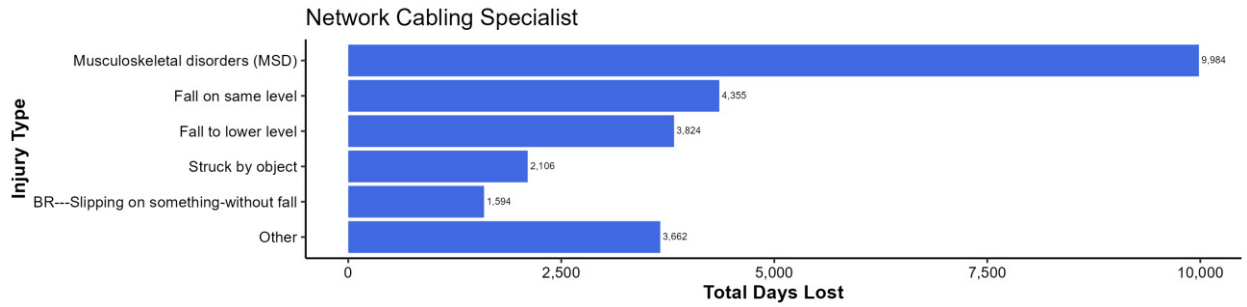
**GAP ANALYSIS OF OHS CURRICULA
IN SERVICE SECTOR: ANNEX A**

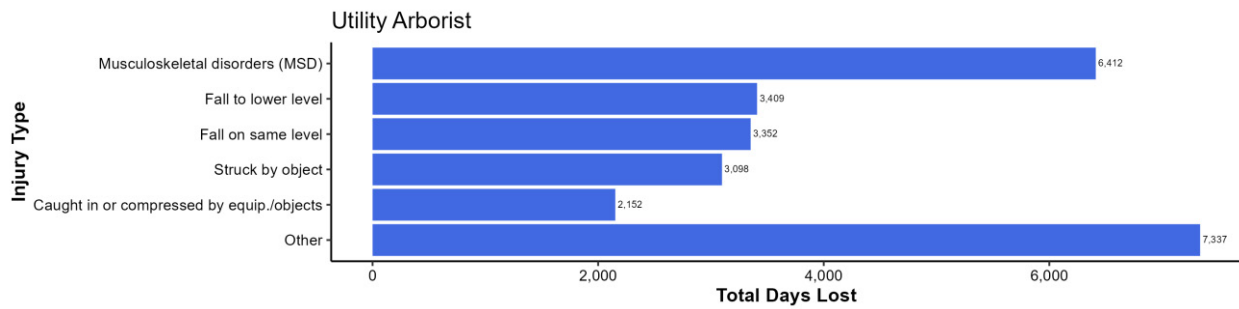
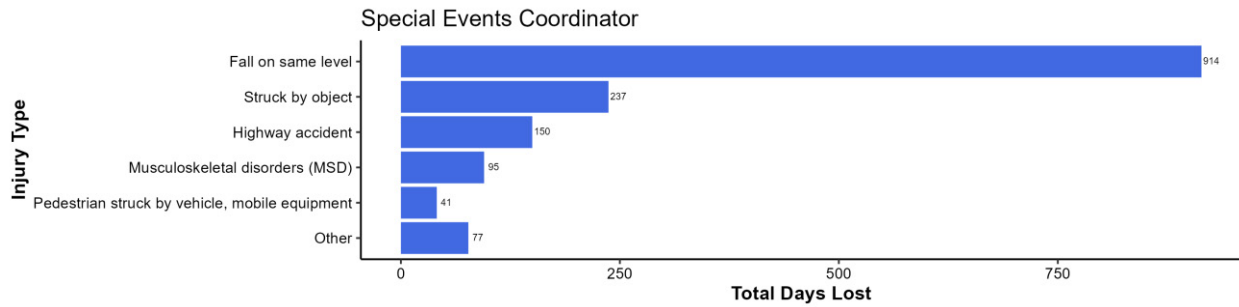
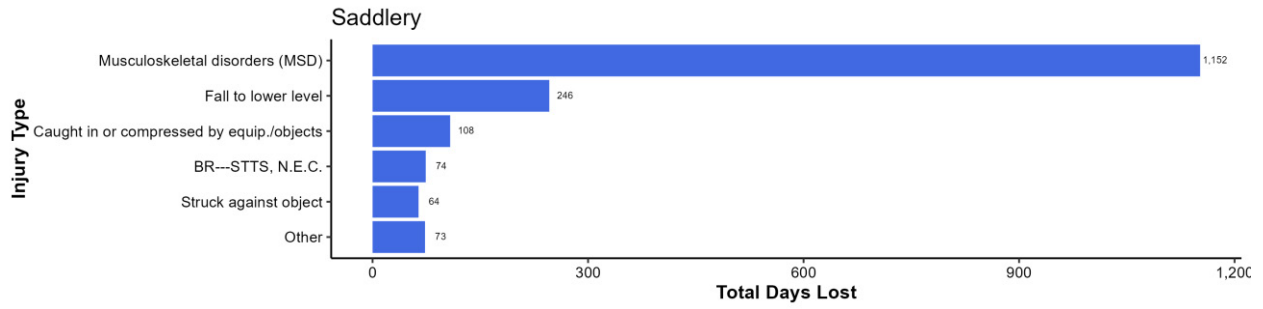


**GAP ANALYSIS OF OHS CURRICULA
IN SERVICE SECTOR: ANNEX A**



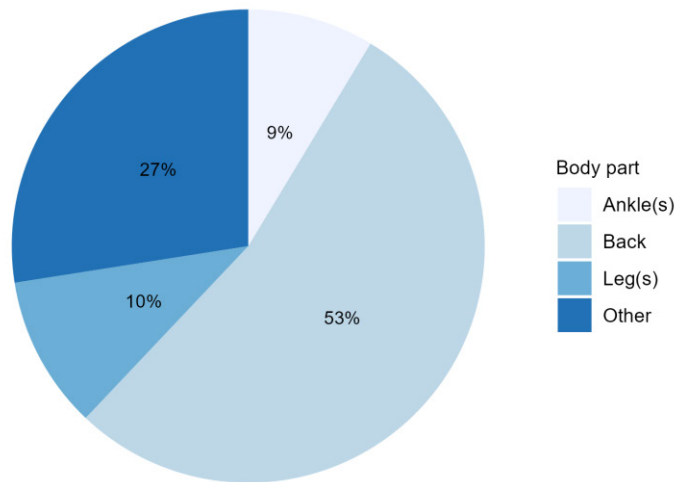




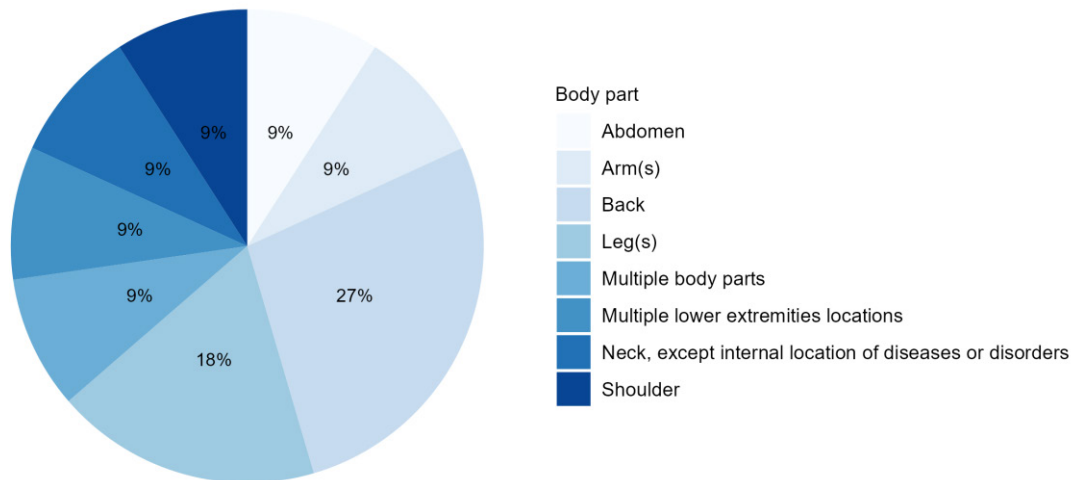


Section 4: Breakdown of *MSD* claims by body part

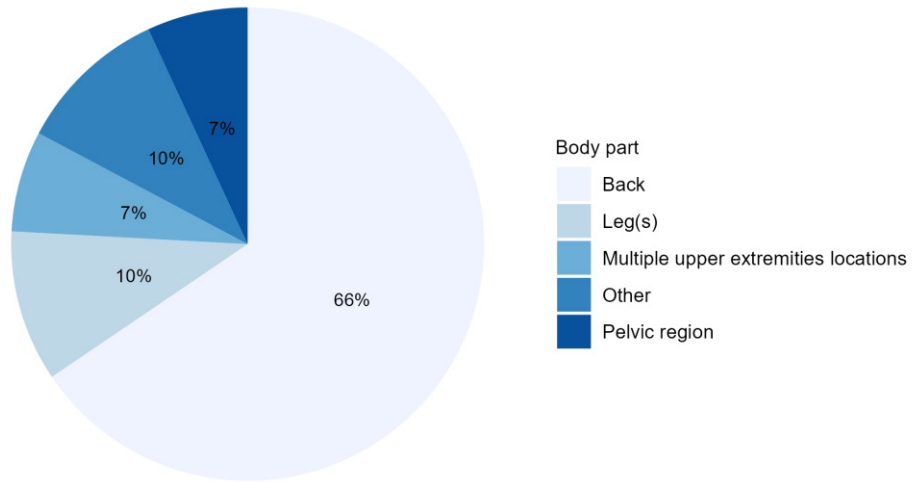
Aboriginal Child Development Practitioner



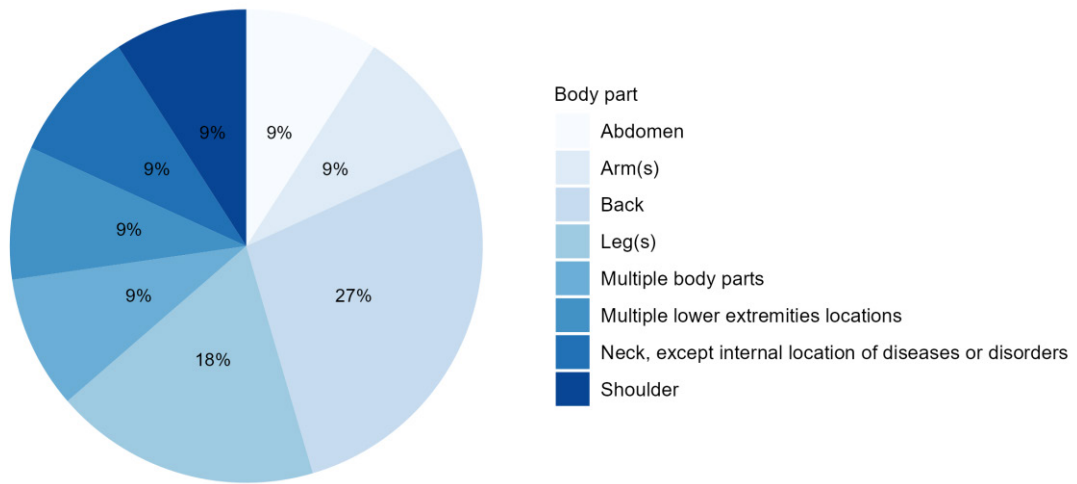
Agricultural - Dairy Herdsperson



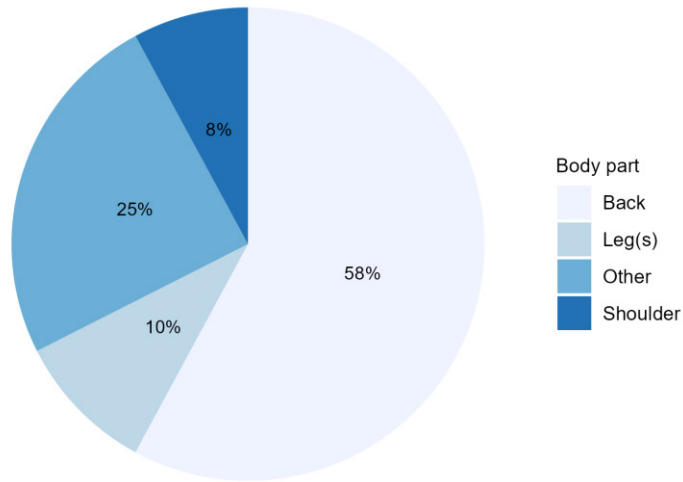
Agricultural - Fruit Grower



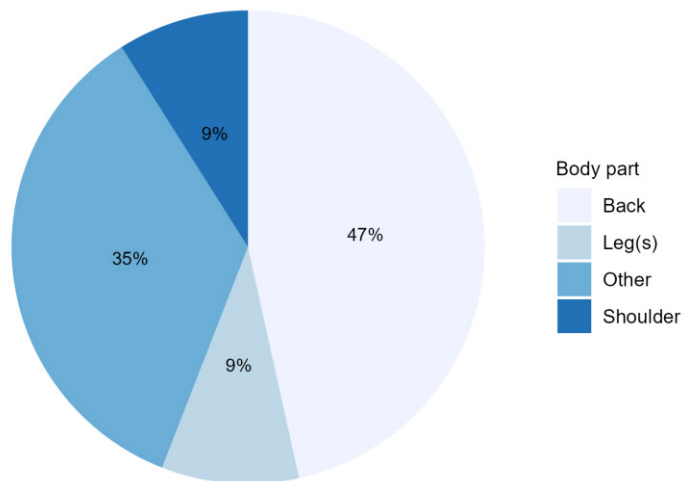
Agricultural - Swine Herdsperson



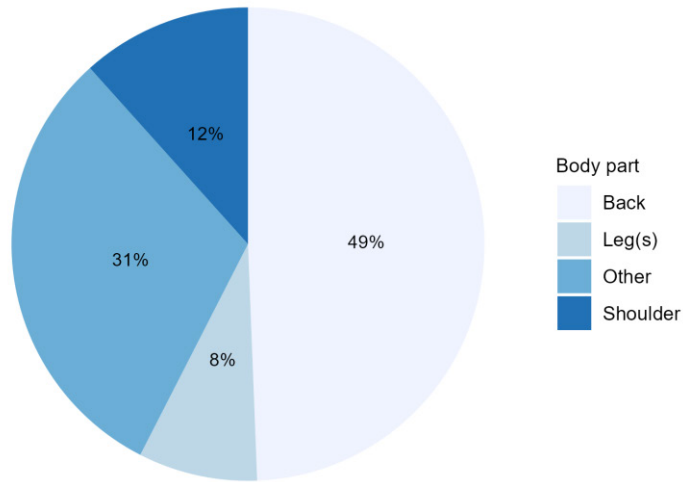
Appliance Service Technician



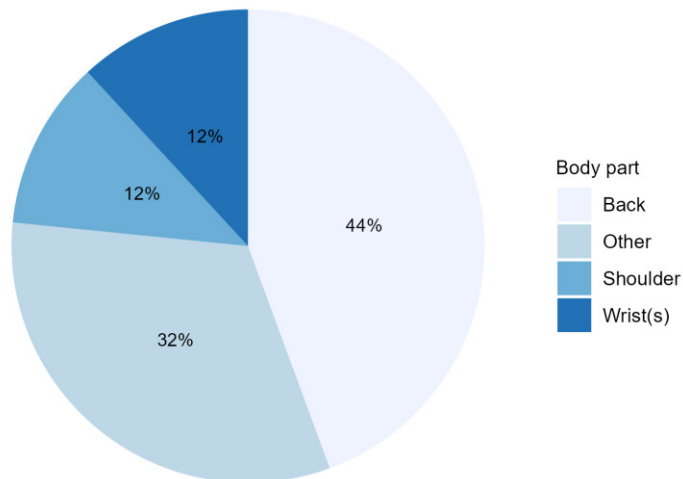
Arborist



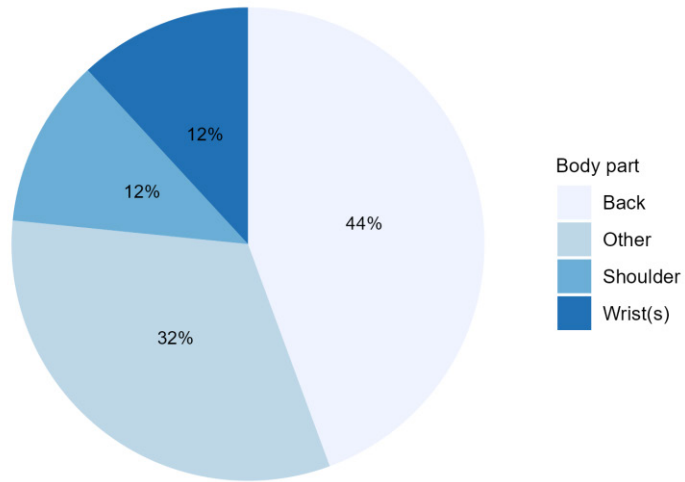
Assistant Cook



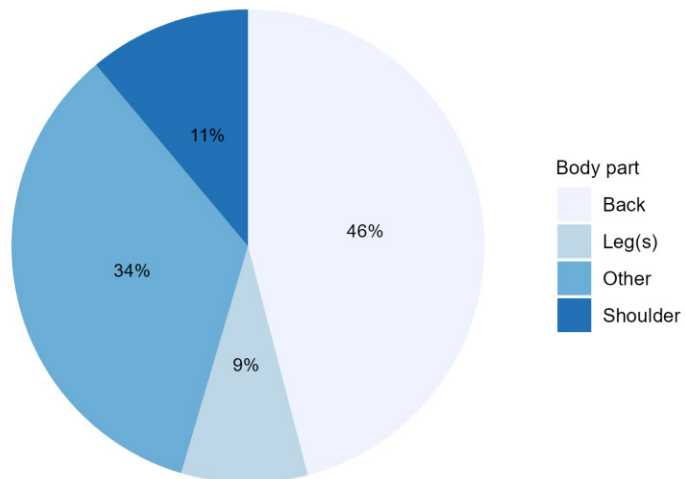
Baker



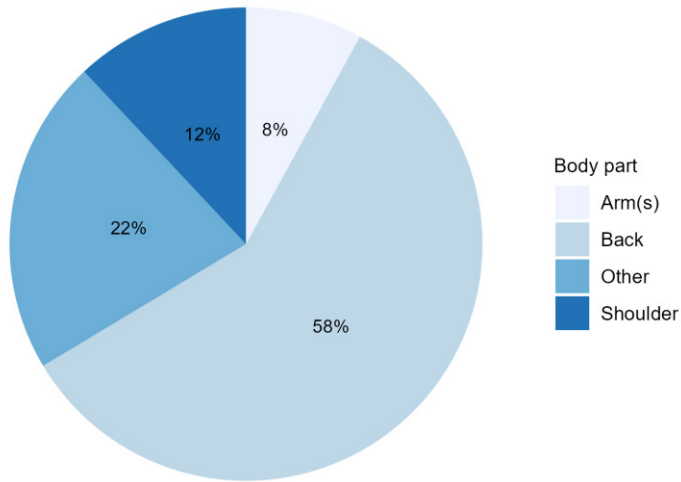
Baker-Patissier



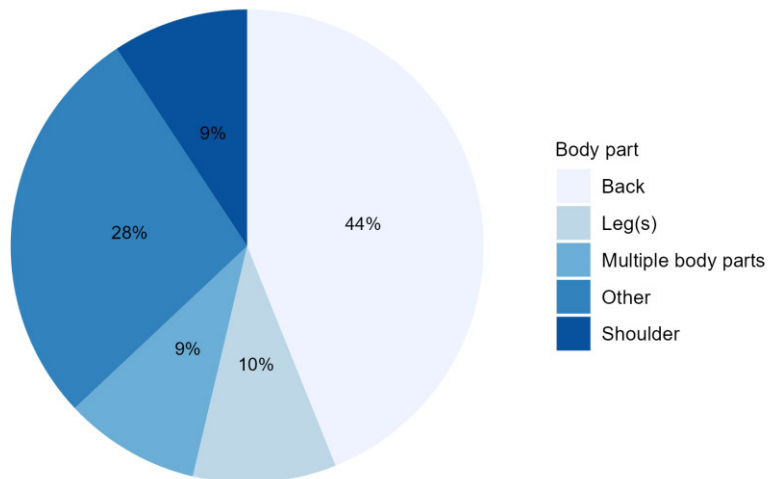
Bicycle Mechanic



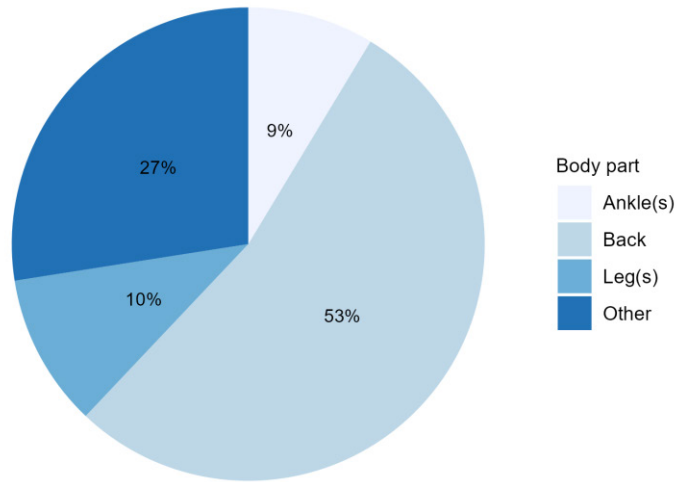
Chef



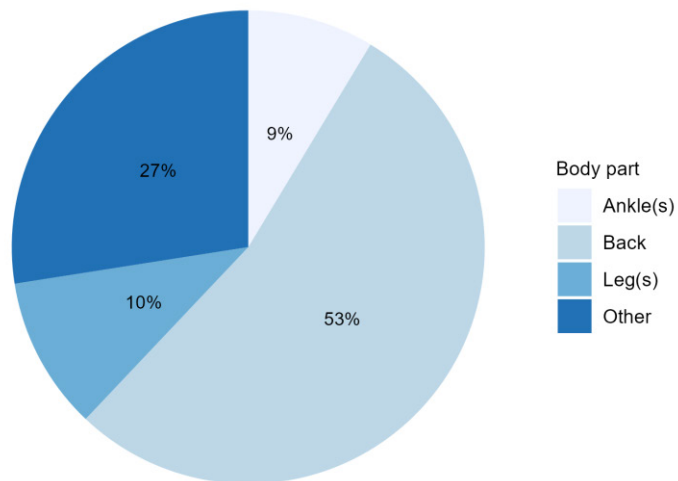
Child and Youth Worker



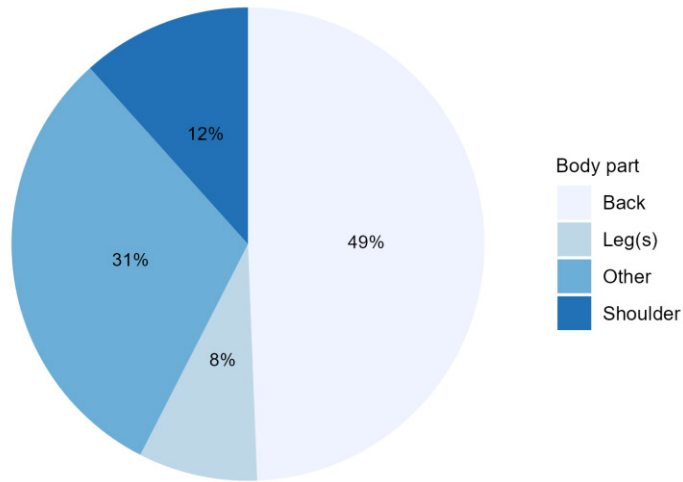
Child Development Practitioner - Inclusion Practices



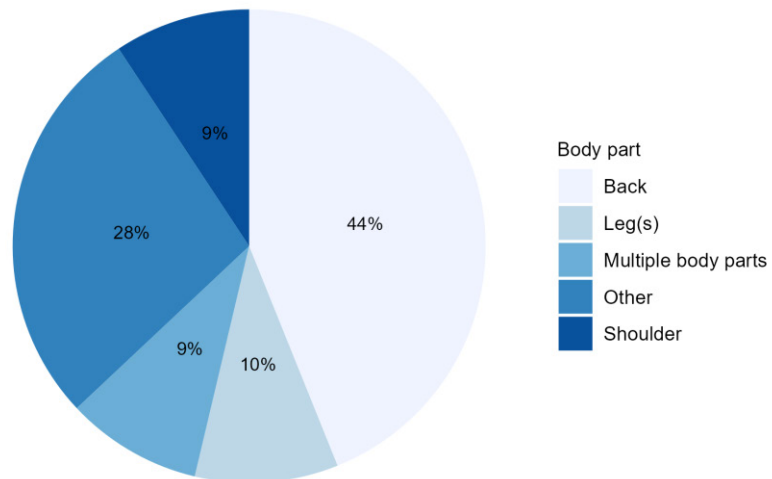
Child Development Practitioner



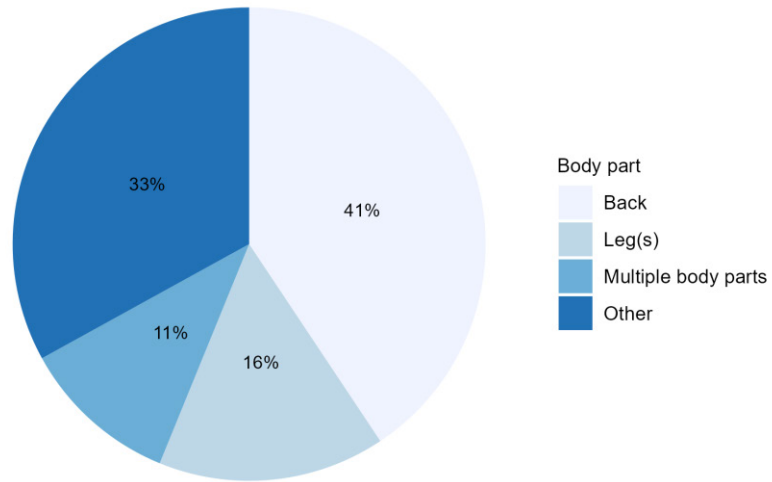
Cook



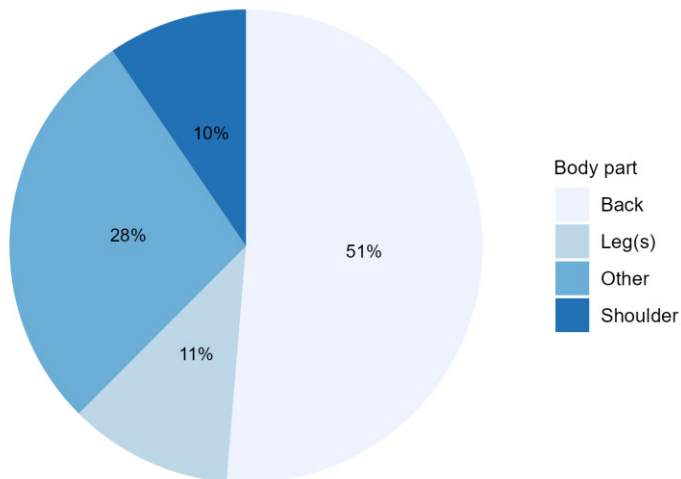
Developmental Services Worker



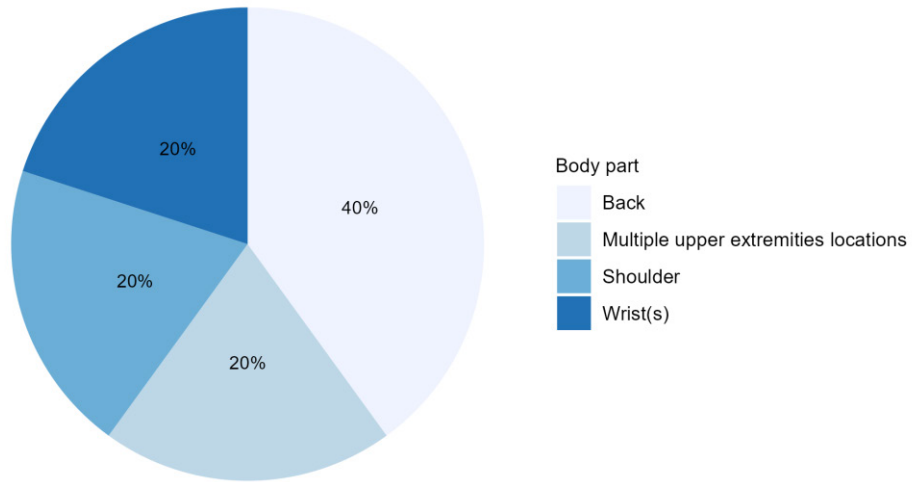
Educational Assistant



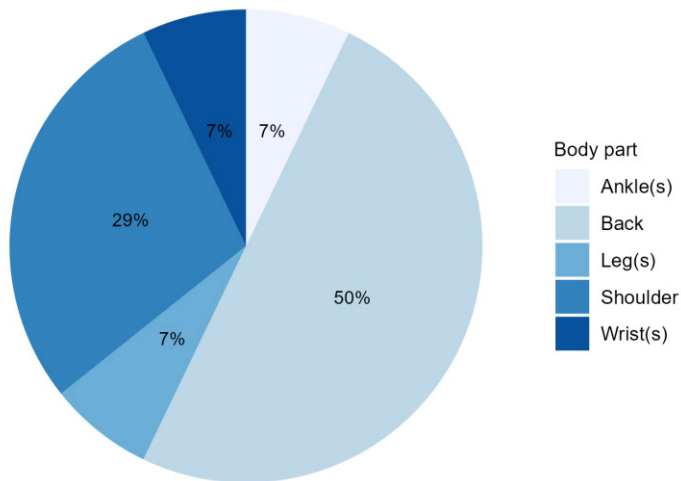
Electronic Service Technician



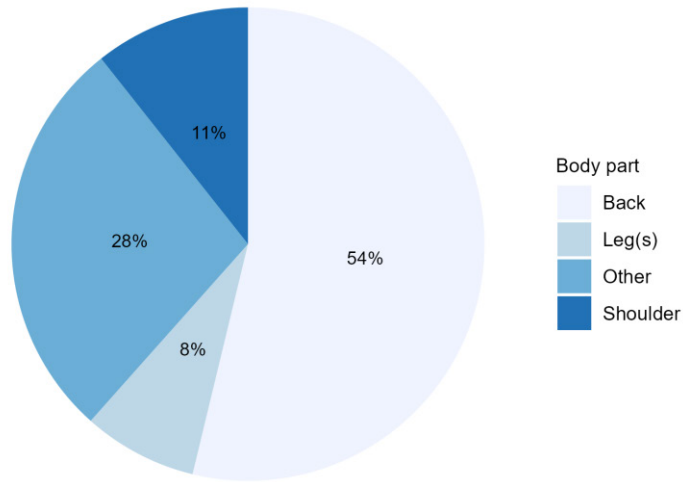
Gemsetter/Goldsmith



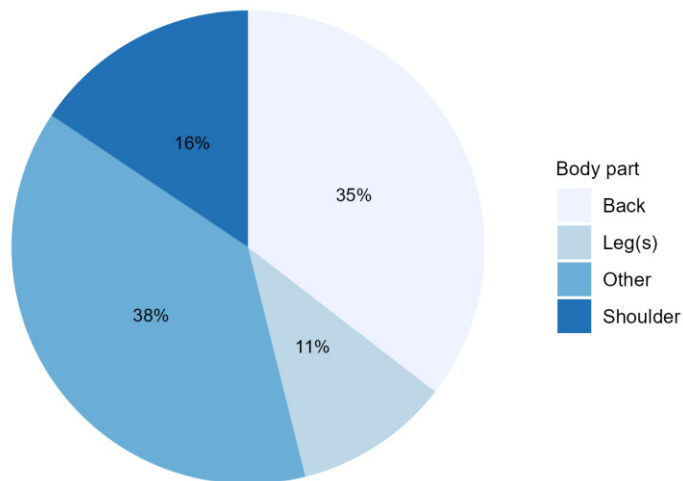
Hairstylist



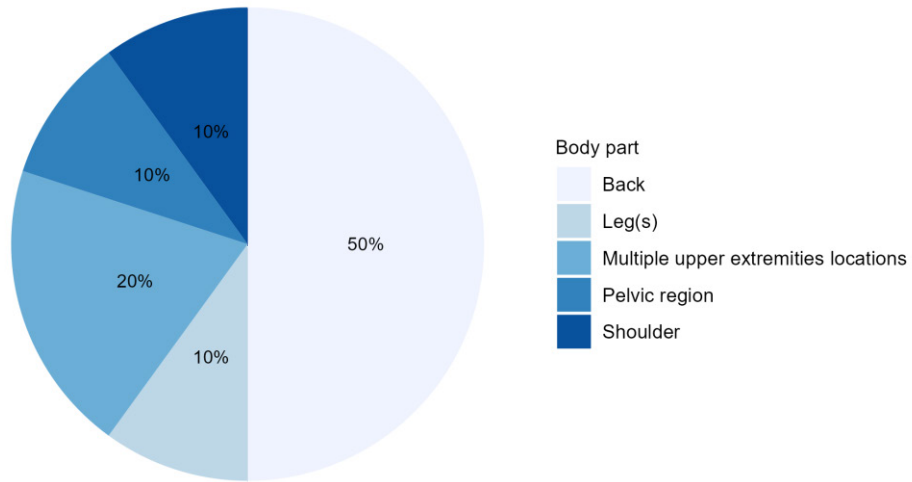
Hardware, Lumber and Building Materials Retailer



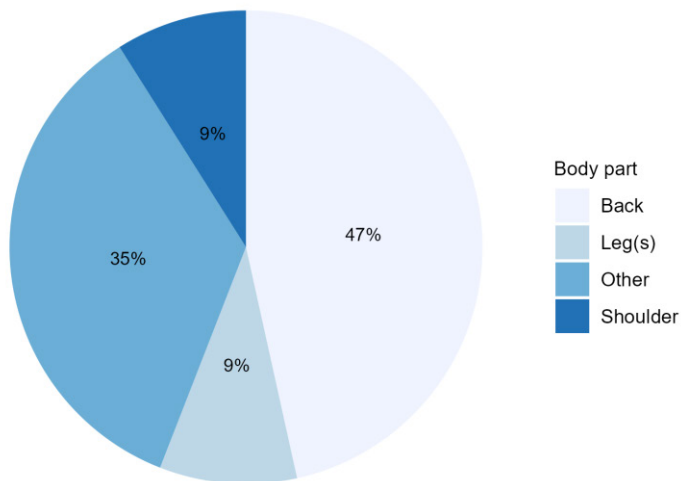
Horse Groom



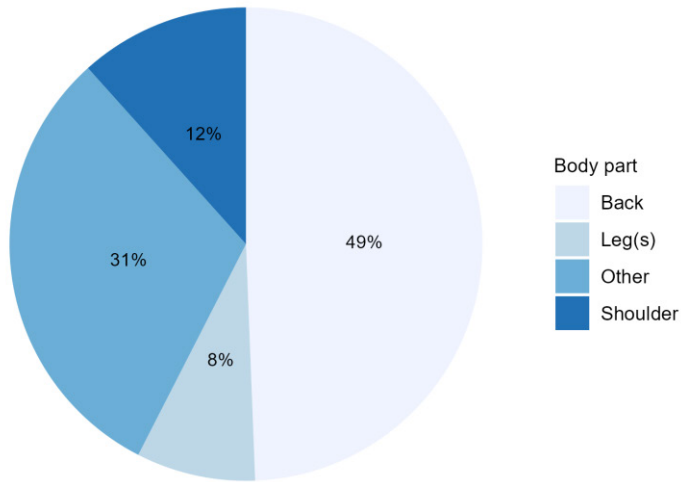
Horse Harness Maker



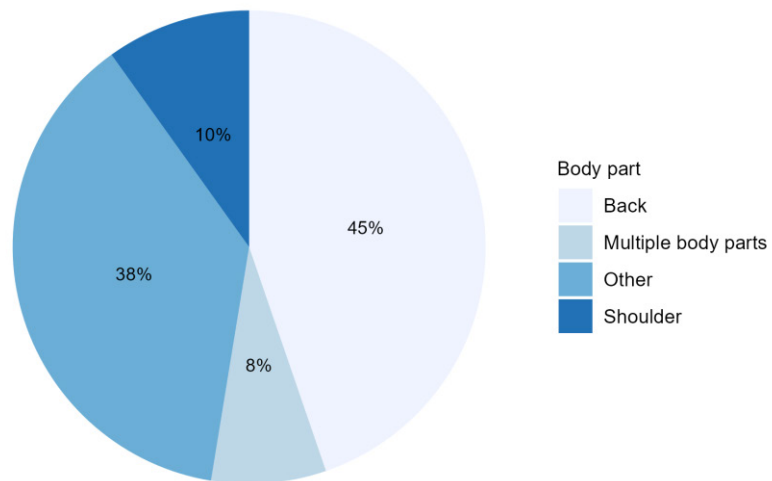
Horticultural Technician



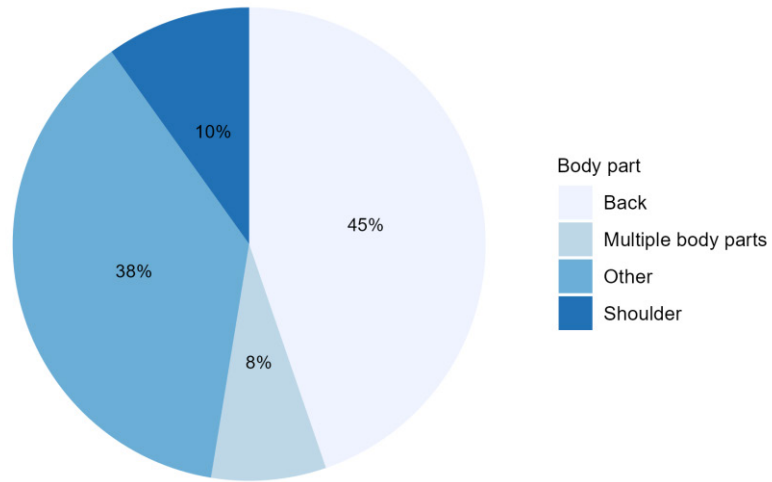
Institutional Cook



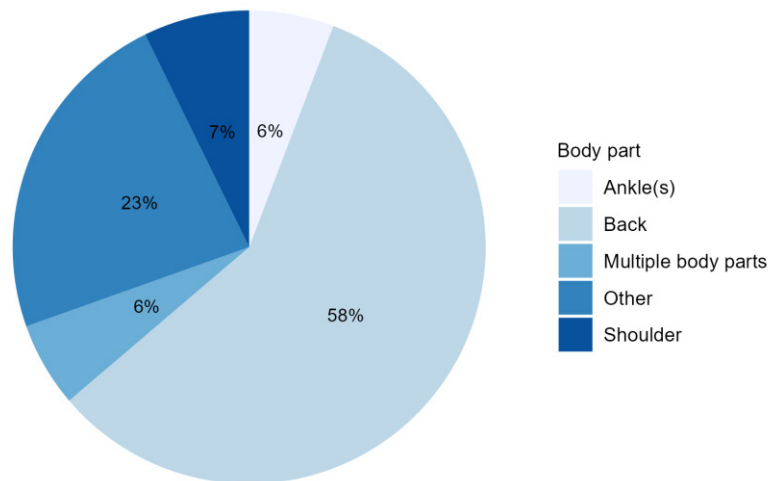
IT - Contact Centre Customer Service Agent



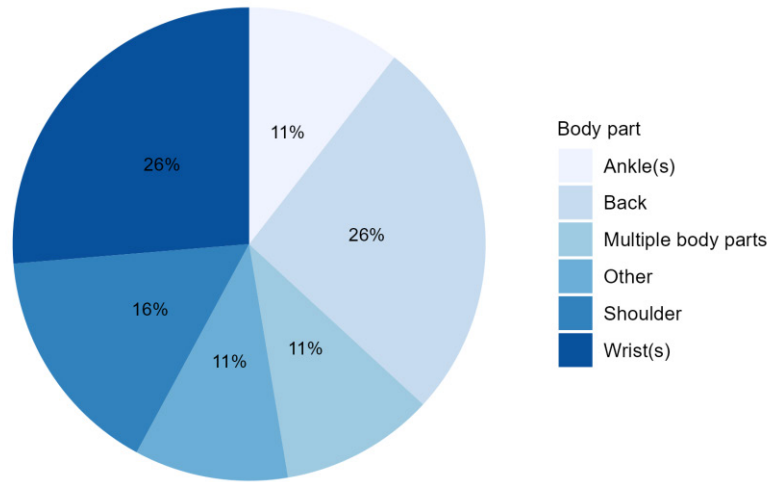
IT - Contact Centre Sales Agent



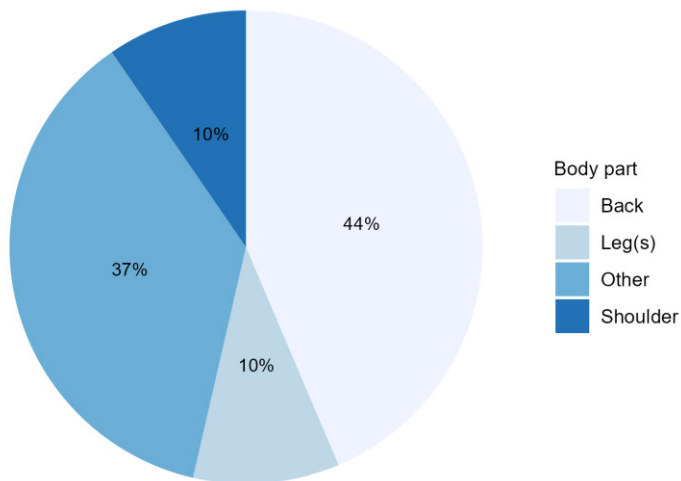
Micro Electronics Manufacturer



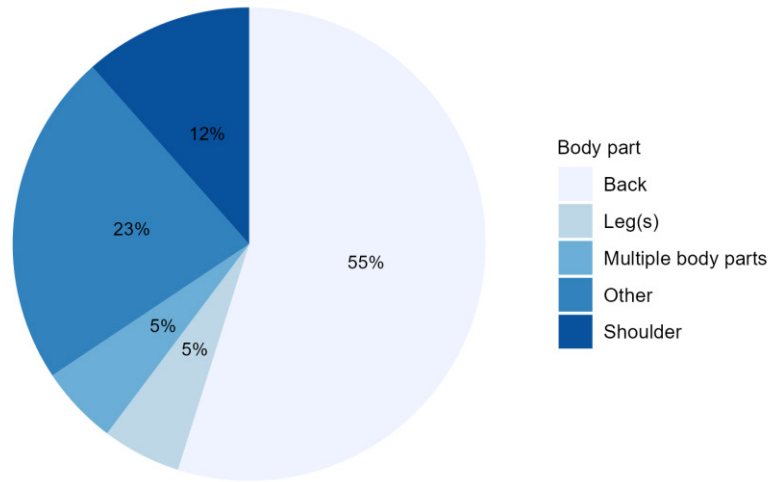
Native Clothing and Crafts Artisan



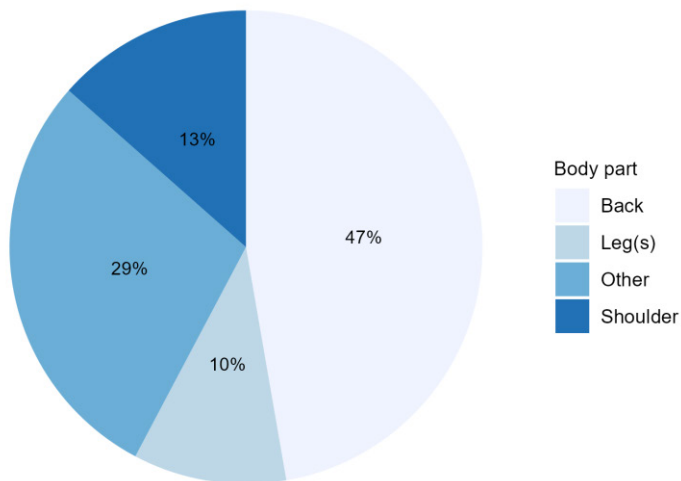
Network Cabling Specialist



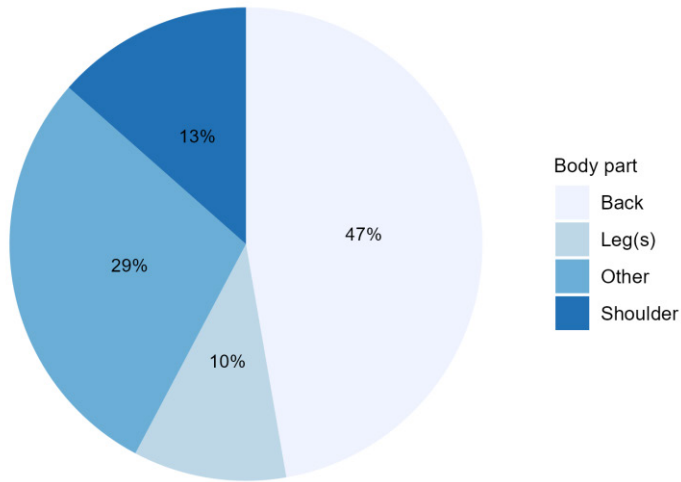
Parts Technician



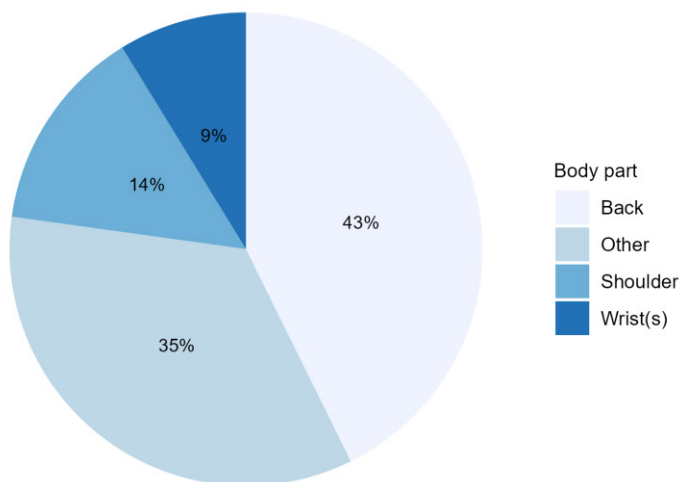
Pool, Hot Tub and Spa - Installer



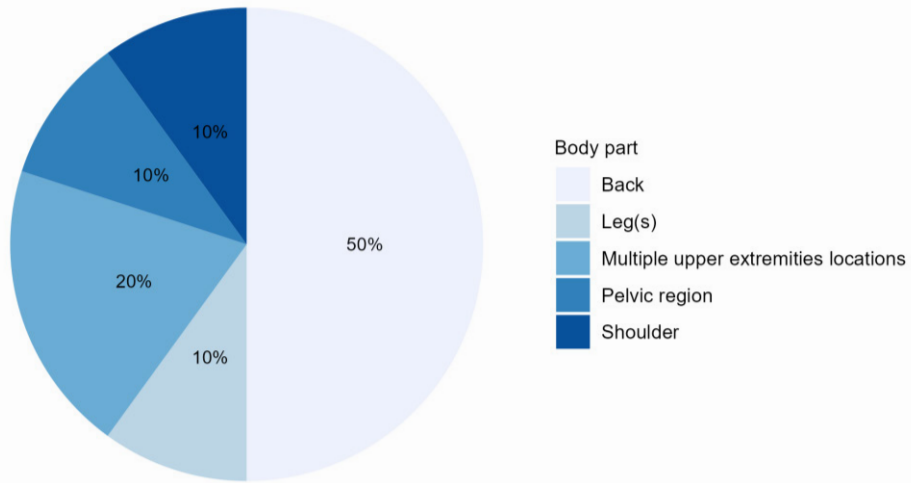
Pool, Hot Tub and Spa - Service Technician



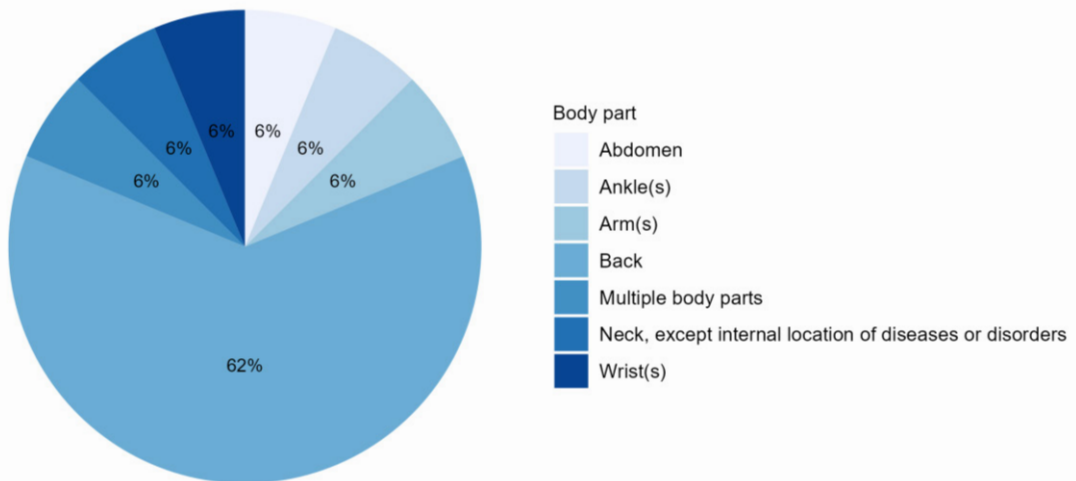
Retail Meat Cutter



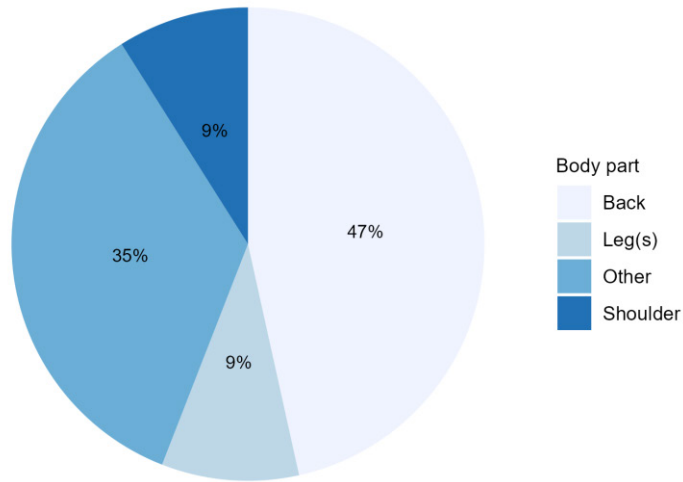
Saddlery



Special Events Coordinator

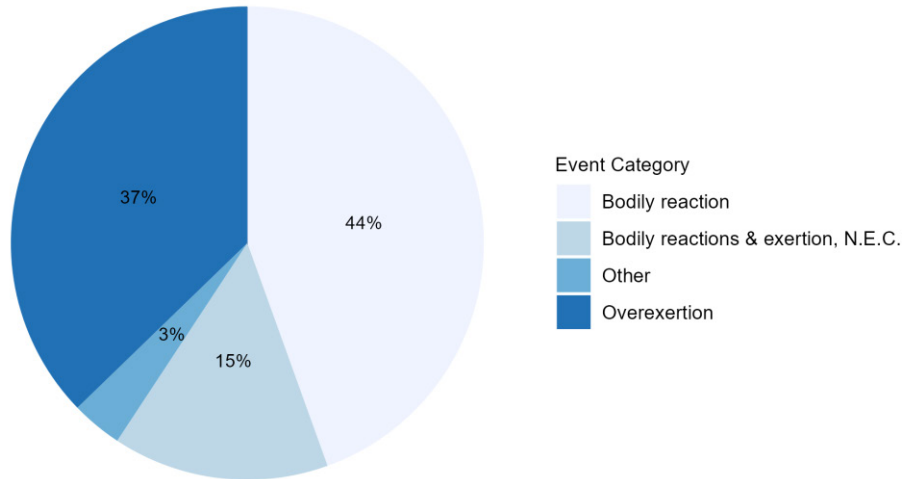


Utility Arborist

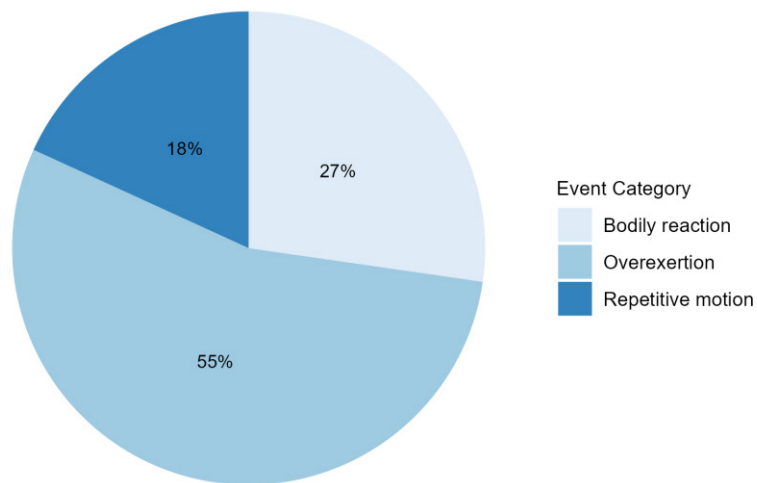


Section 5: Breakdown of *MSD* claims by Event Category

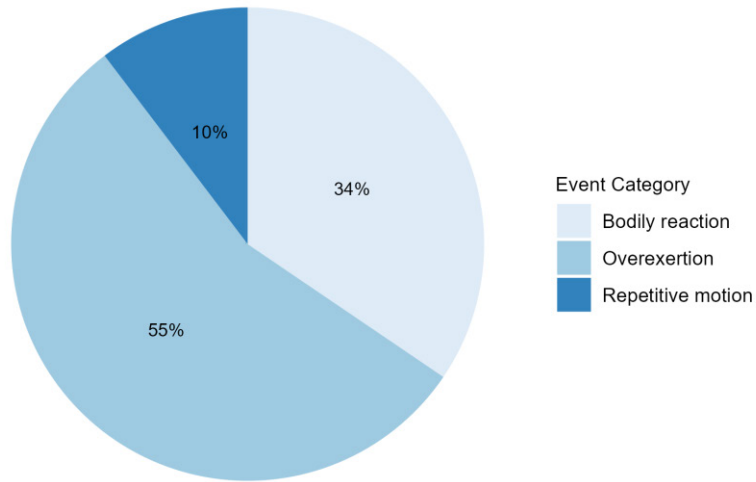
Aboriginal Child Development Practitioner



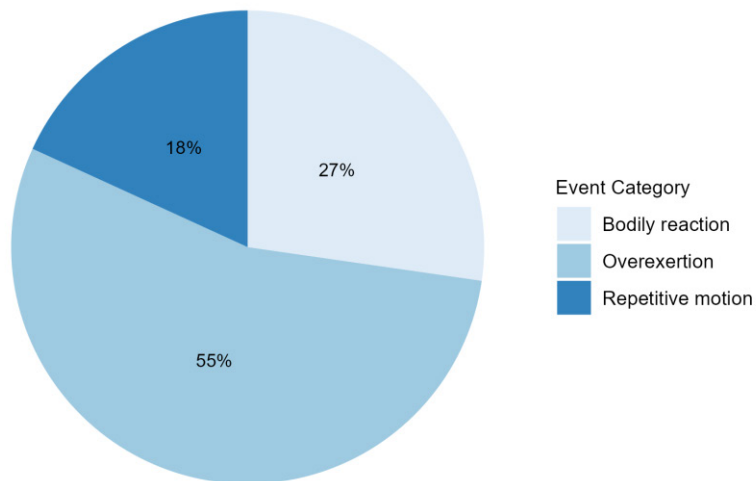
Agricultural - Dairy Herdsperson



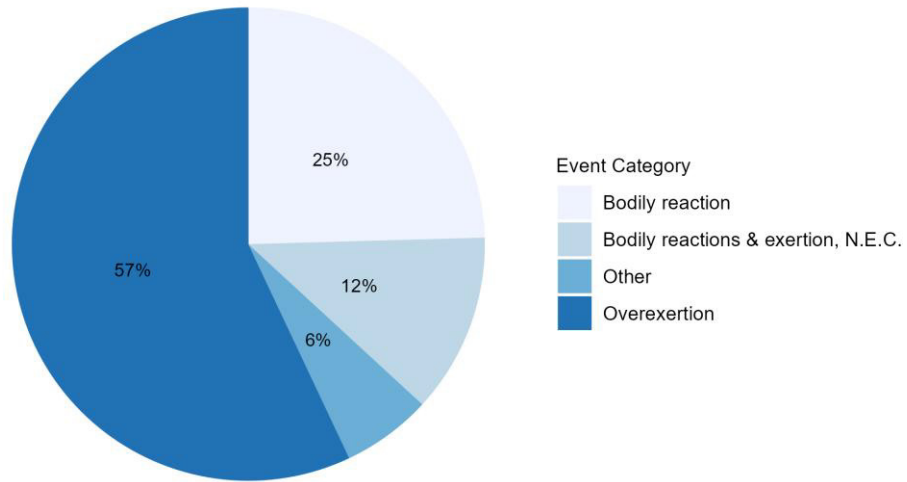
Agricultural - Fruit Grower



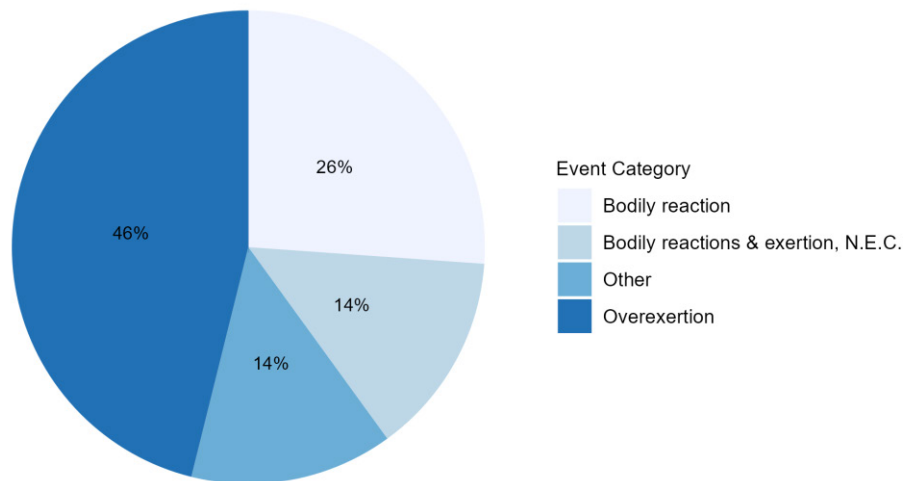
Agricultural - Swine Herdsperson



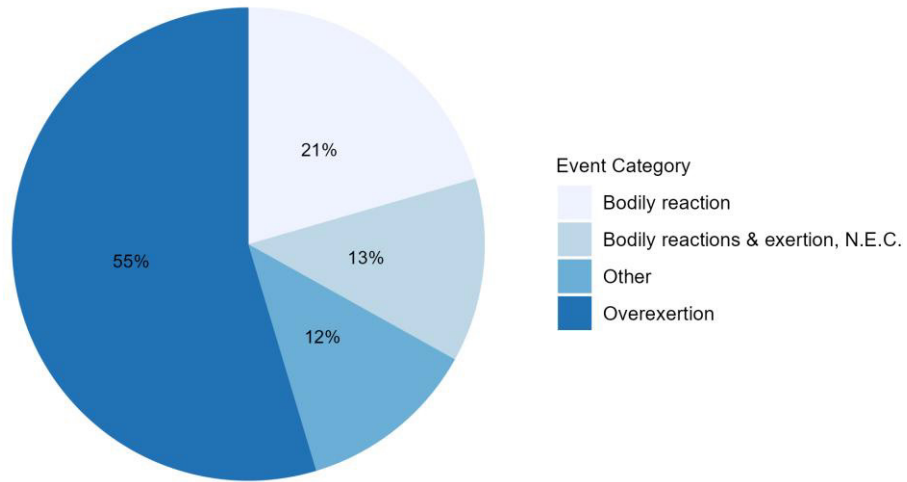
Appliance Service Technician



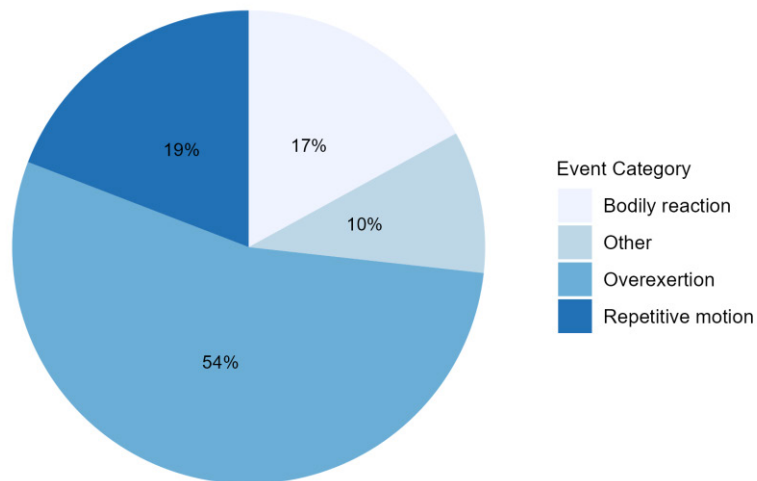
Arborist



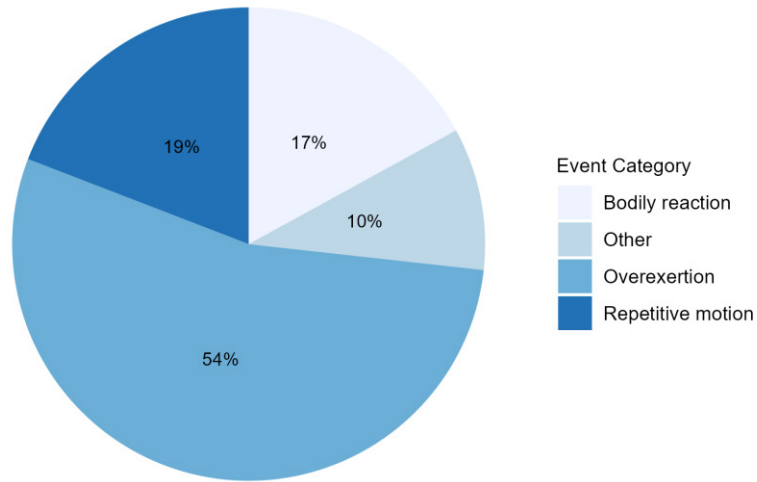
Assistant Cook



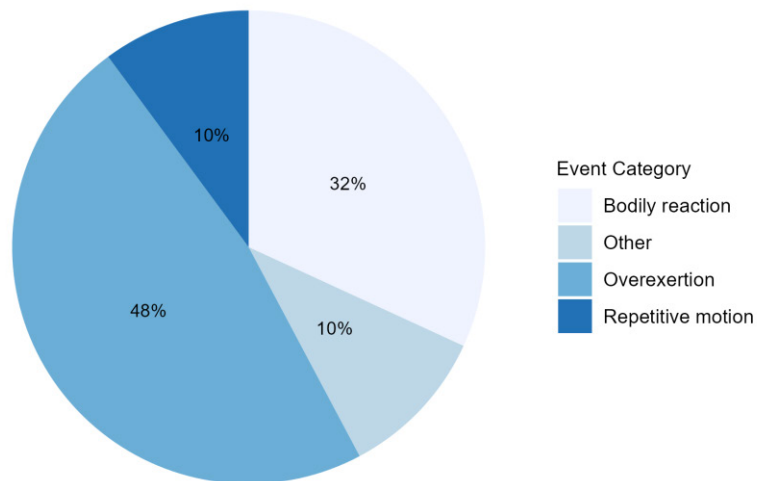
Baker



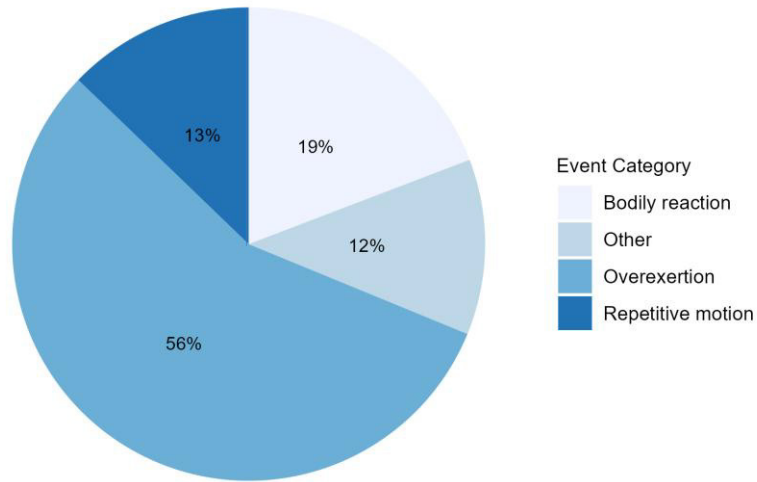
Baker-Patisserie



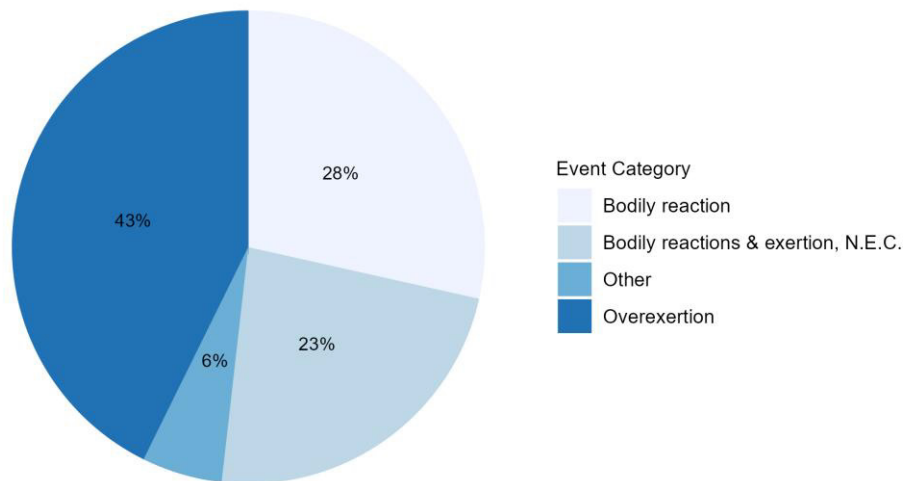
Bicycle Mechanic



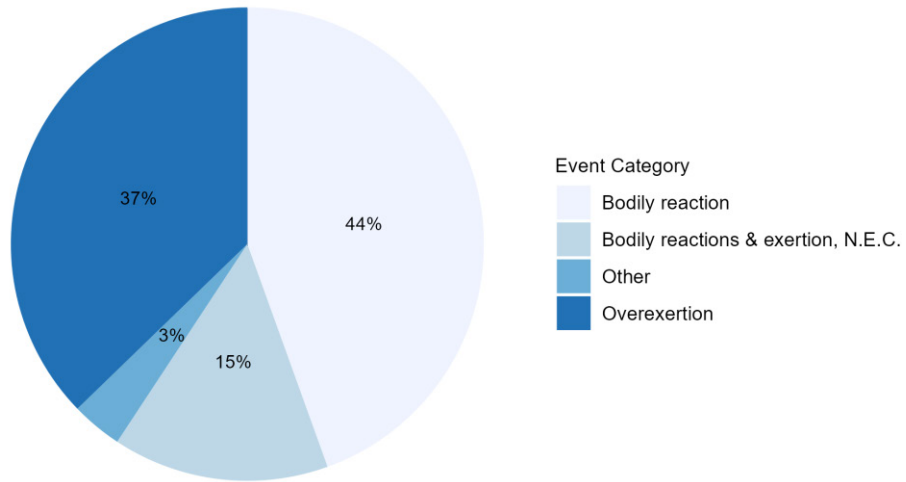
Chef



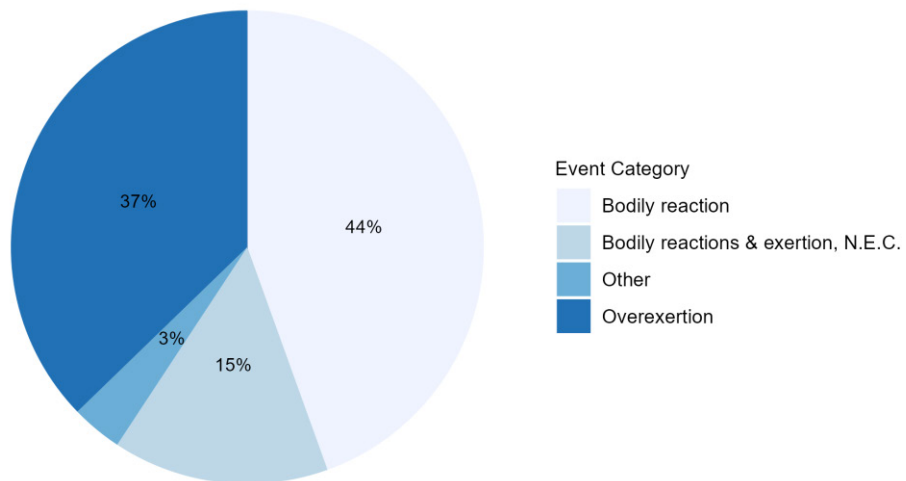
Child and Youth Worker



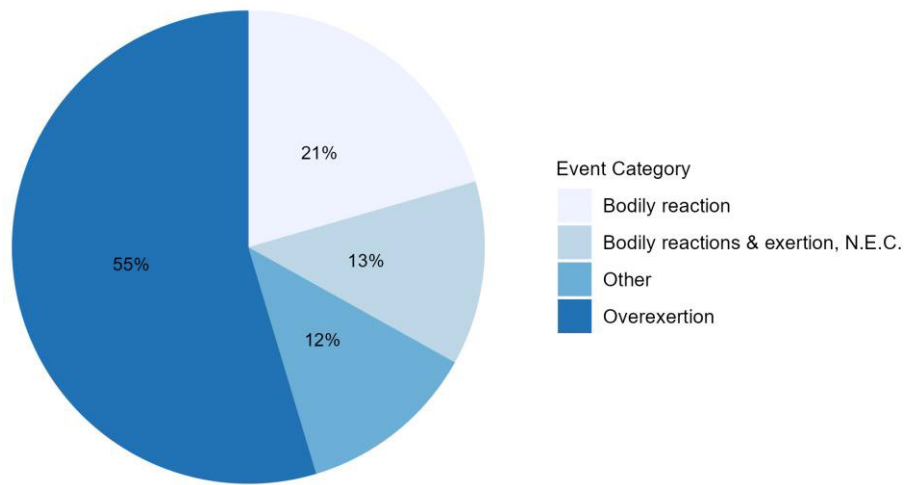
Child Development Practitioner - Inclusion Practices



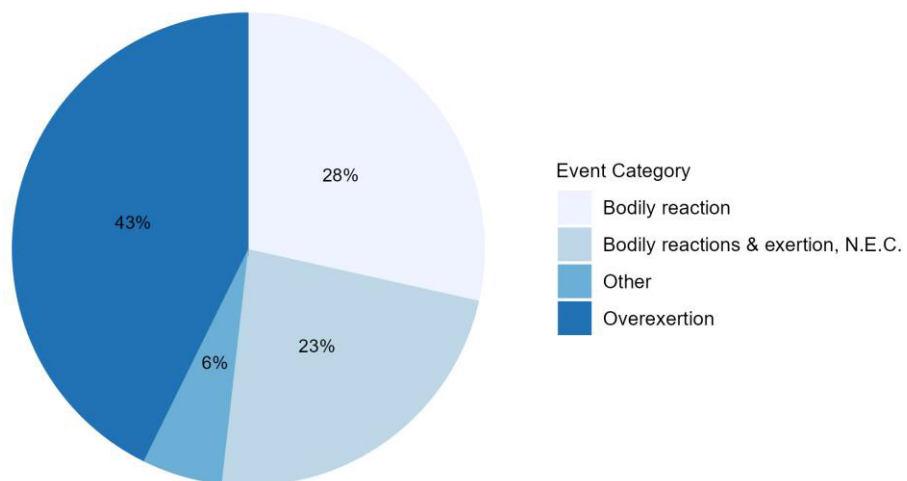
Child Development Practitioner



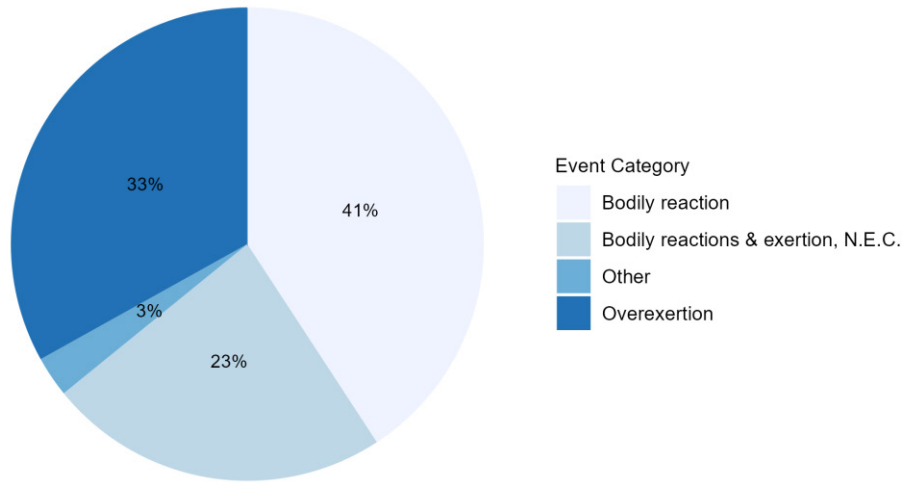
Cook



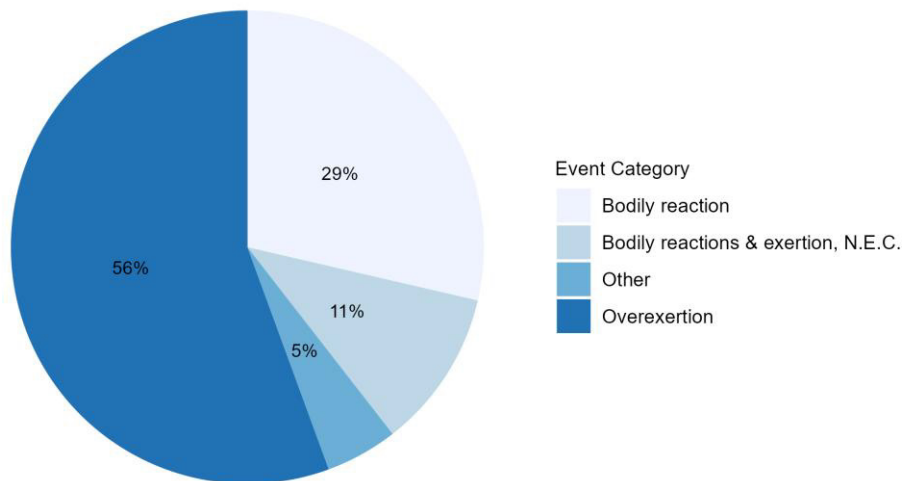
Developmental Services Worker



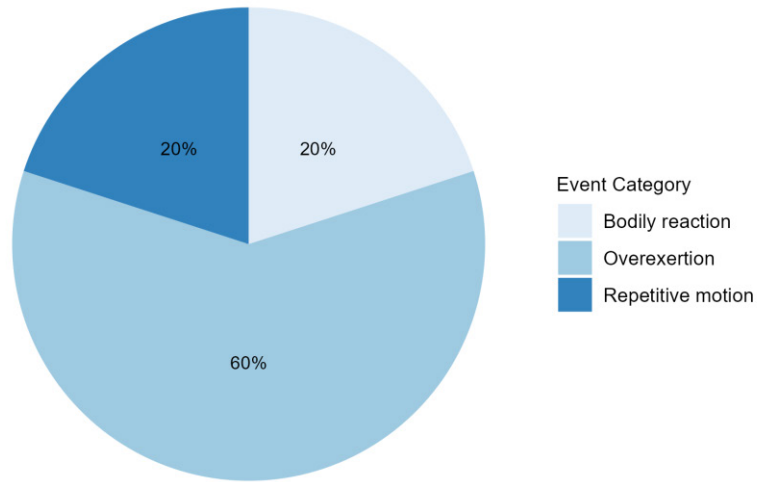
Educational Assistant



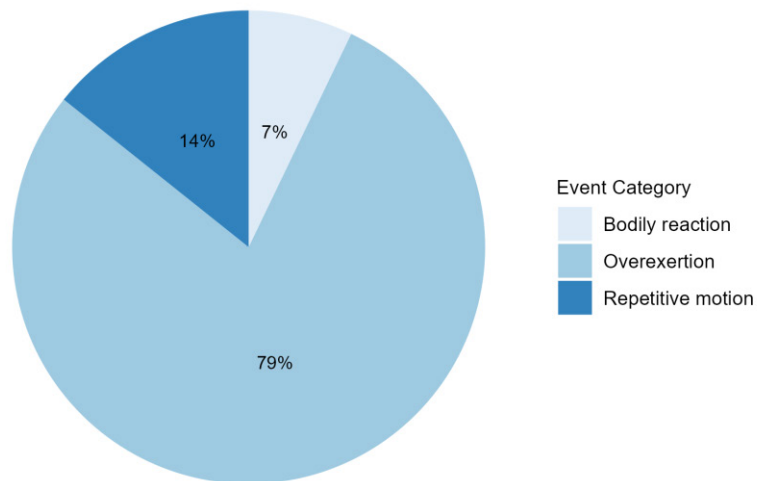
Electronic Service Technician



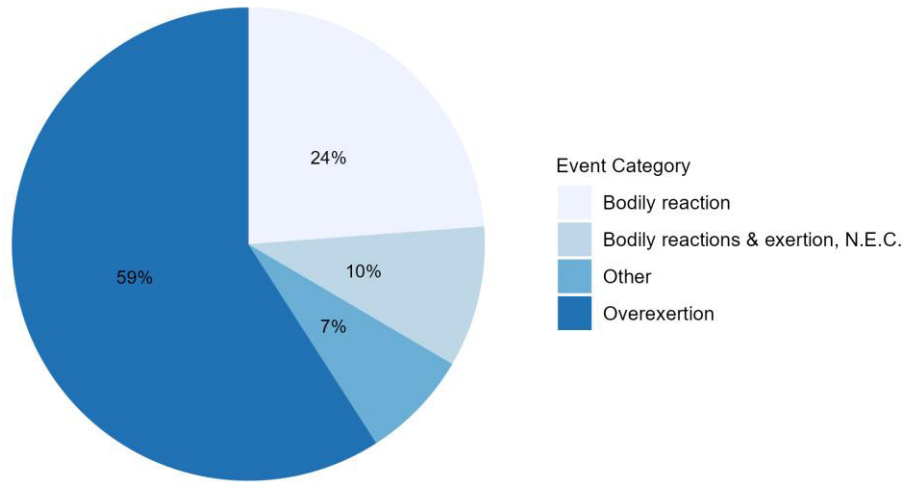
Gemsetter/Goldsmith



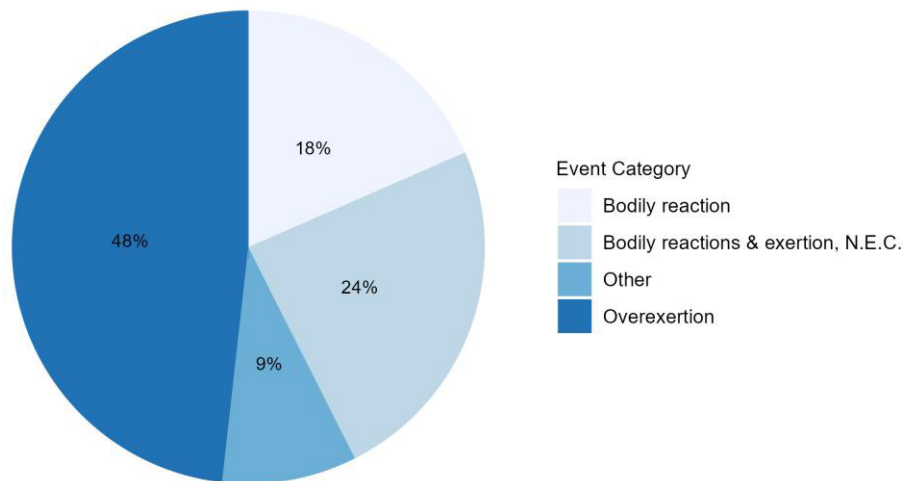
Hairstylist



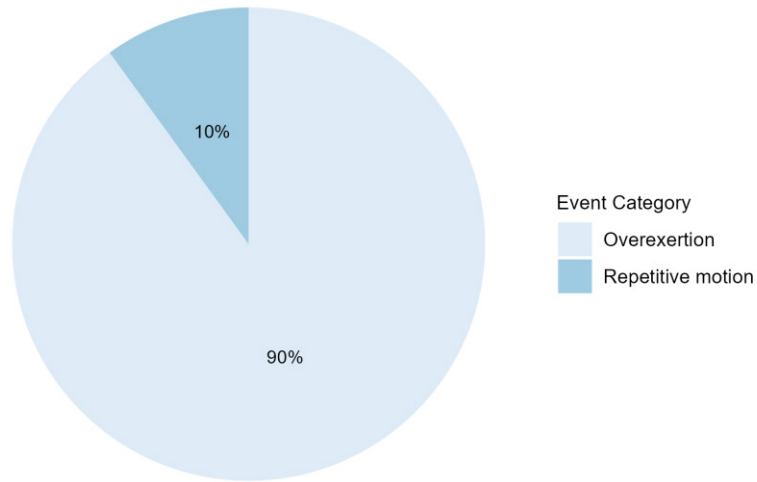
Hardware, Lumber and Building Materials Retailer



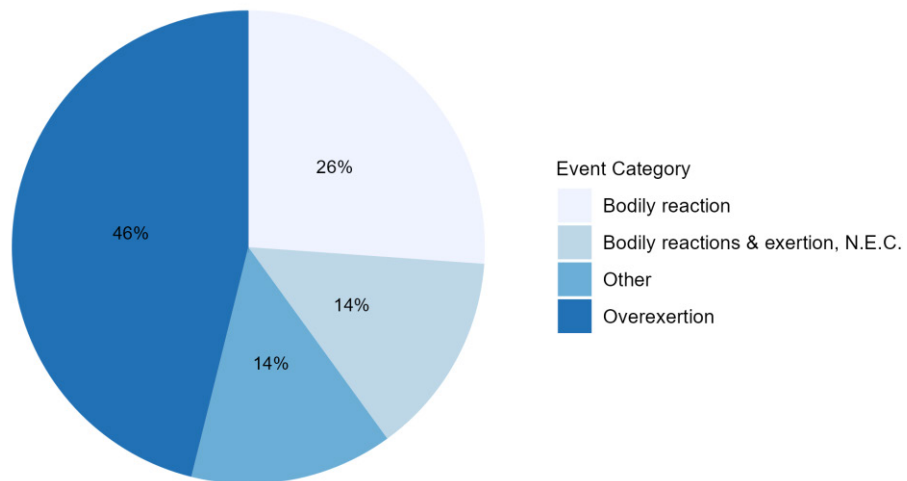
Horse Groom



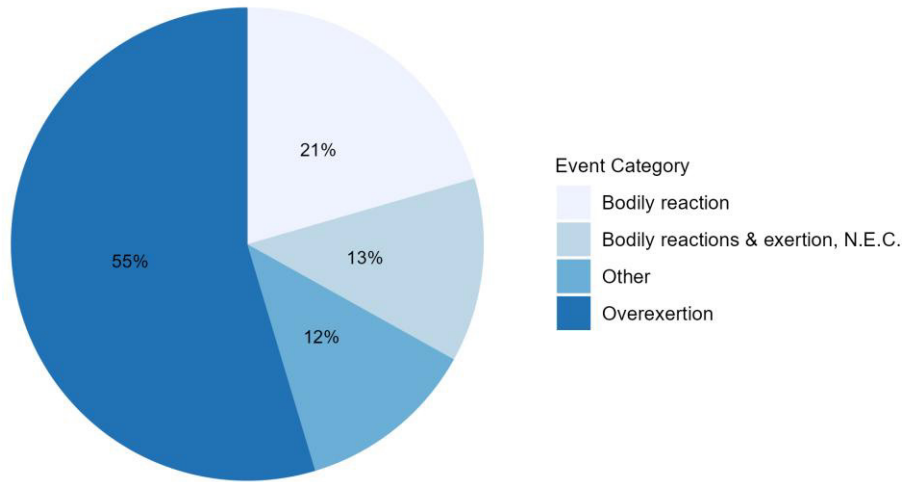
Horse Harness Maker



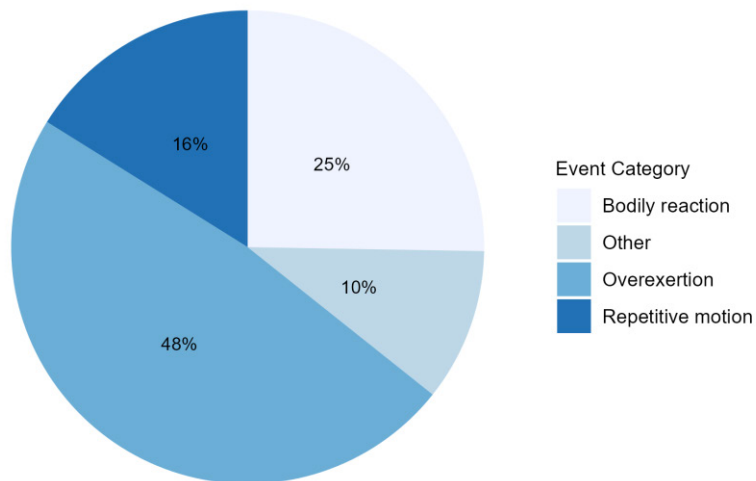
Horticultural Technician



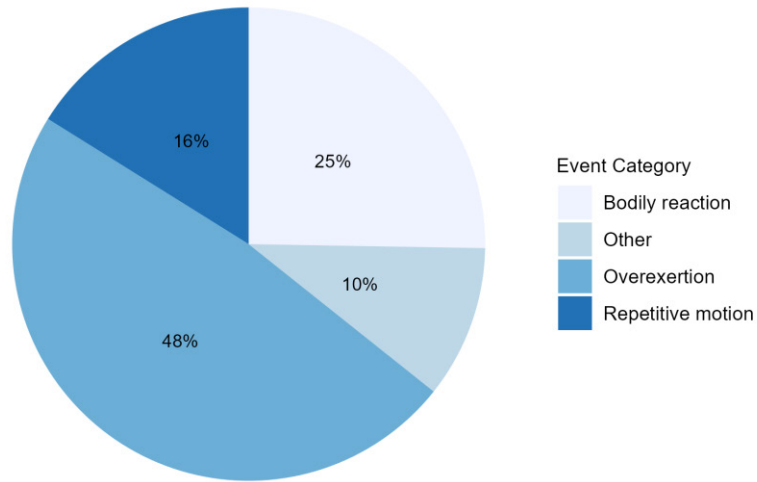
Institutional Cook



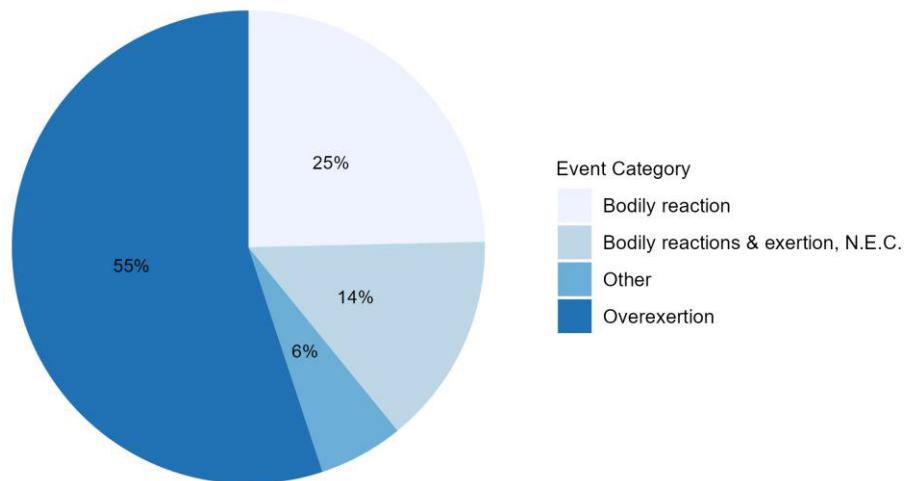
IT - Contact Centre Customer Service Agent



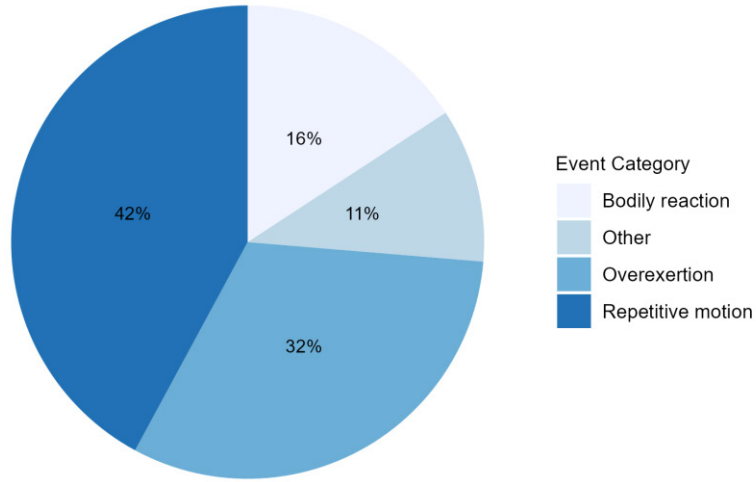
IT - Contact Centre Sales Agent



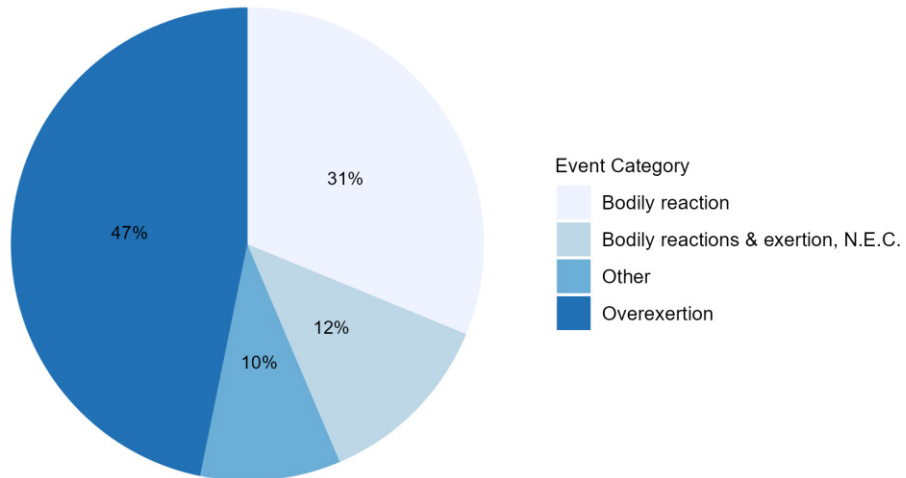
Micro Electronics Manufacturer



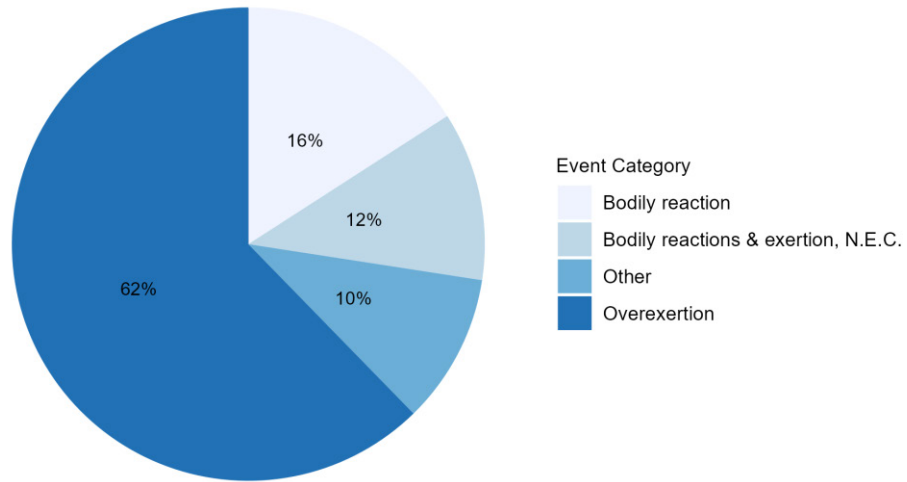
Native Clothing and Crafts Artisan



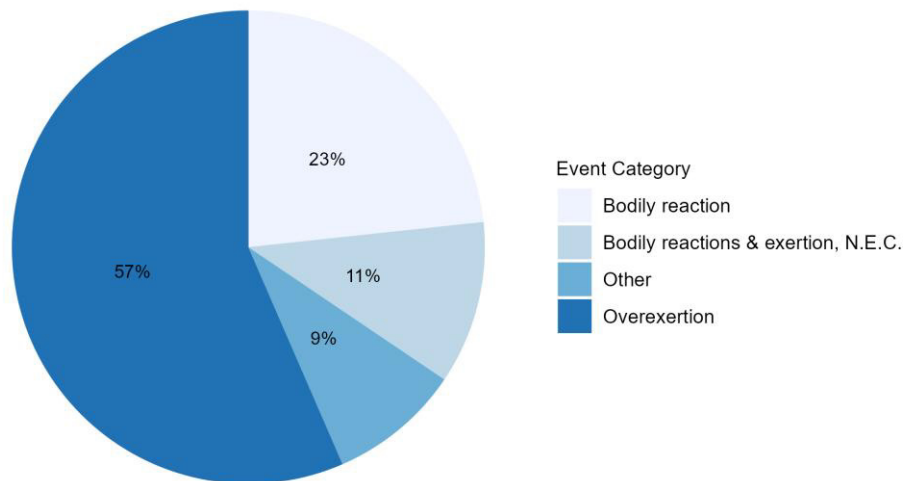
Network Cabling Specialist



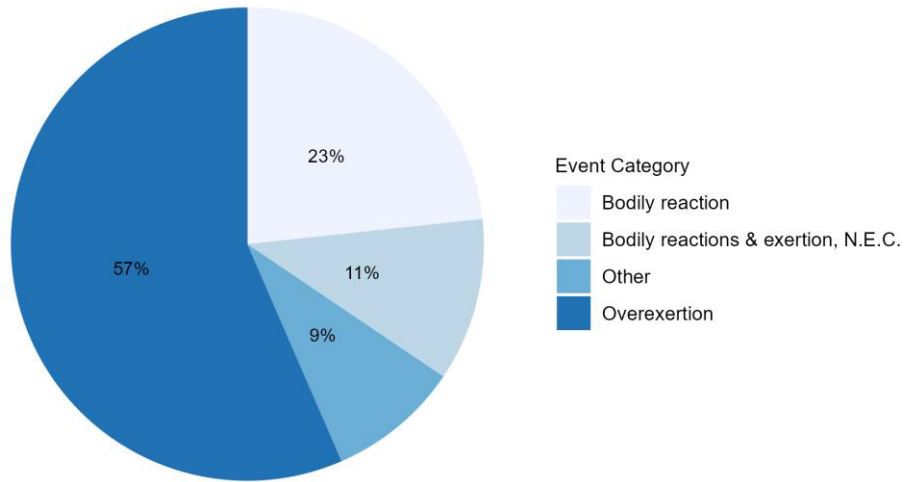
Parts Technician



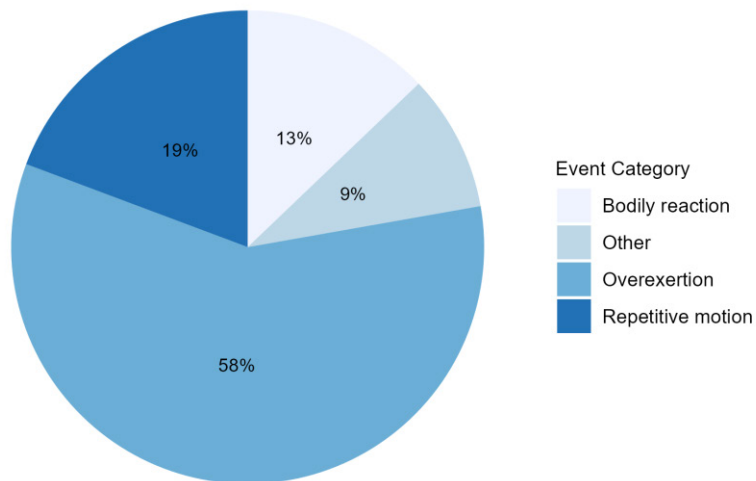
Pool, Hot Tub and Spa - Installer



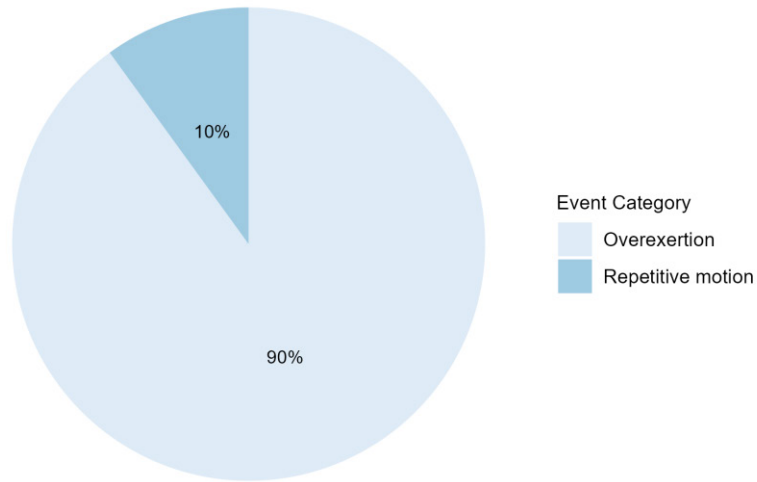
Pool, Hot Tub and Spa - Service Technician



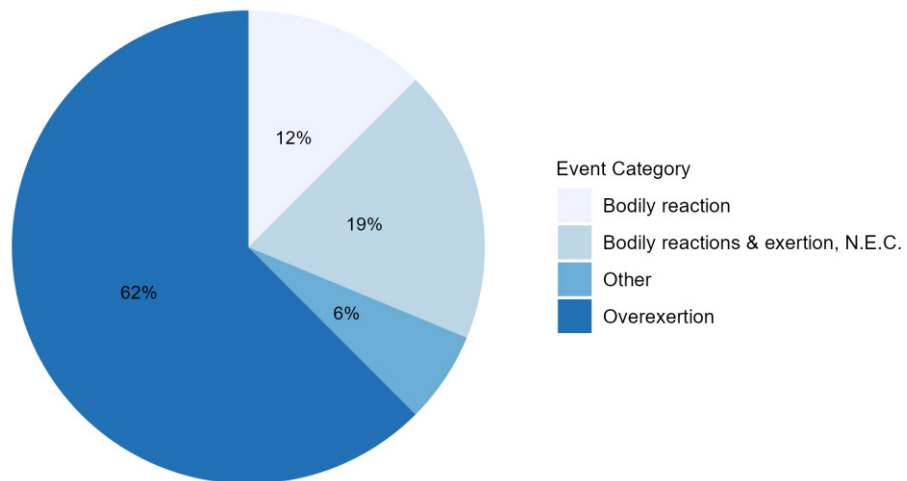
Retail Meat Cutter



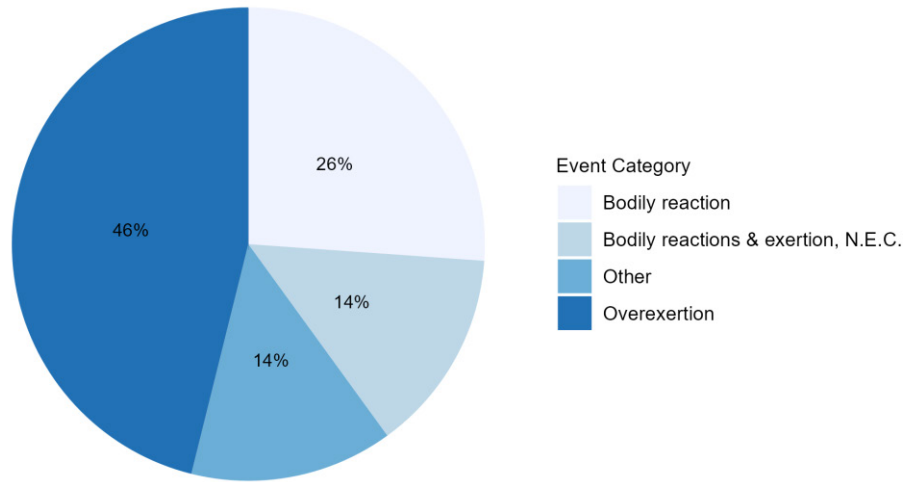
Saddlery



Special Events Coordinator

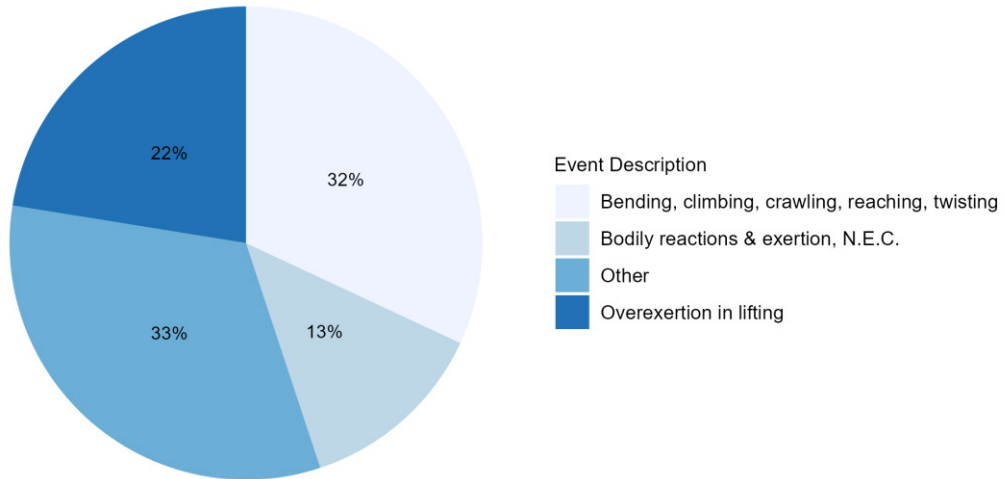


Utility Arborist

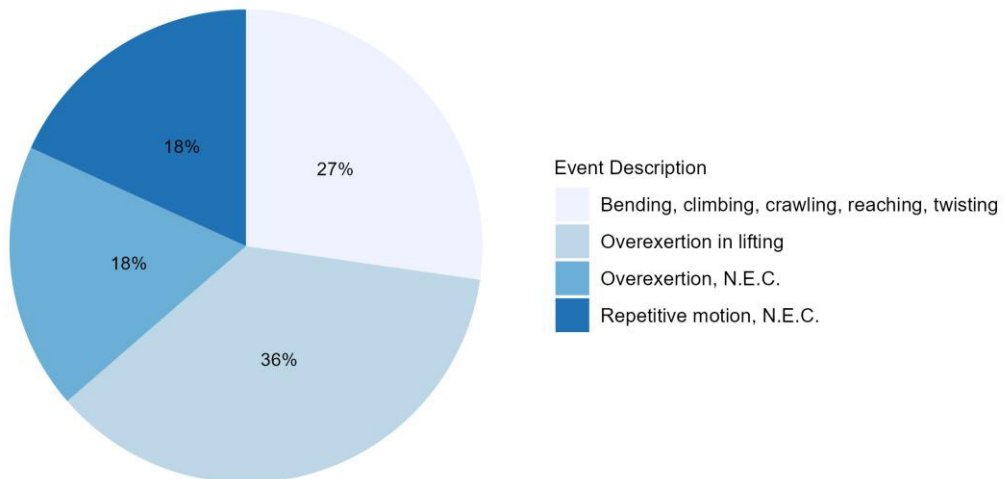


Section 6: Breakdown of *MSD* claims by Event Description

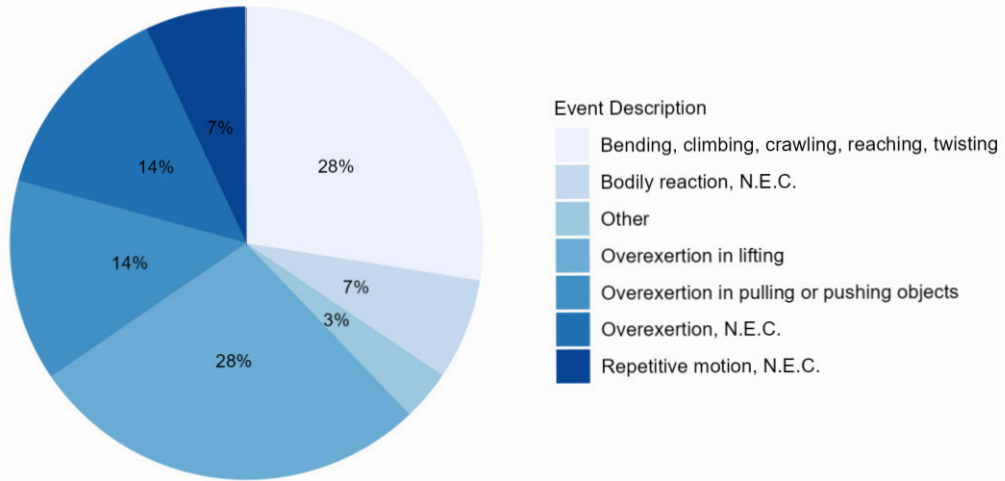
Aboriginal Child Development Practitioner



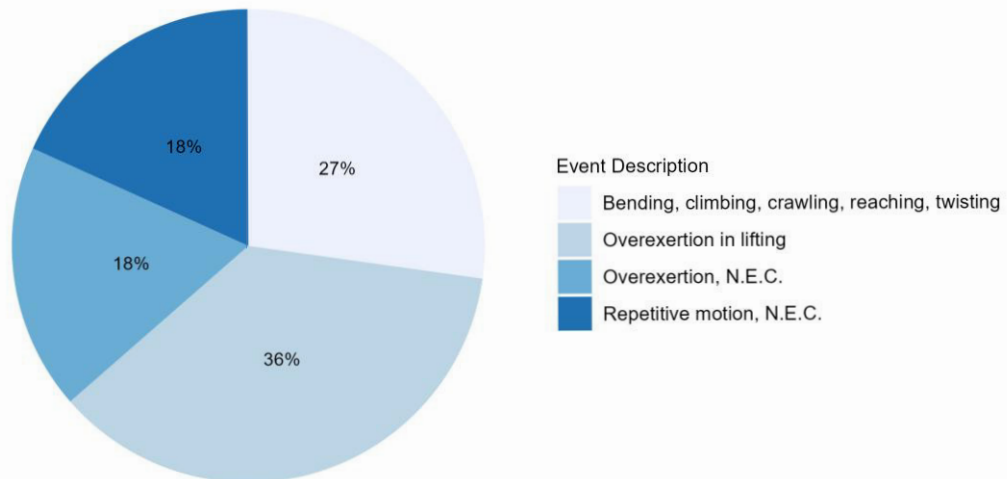
Agricultural - Dairy Herdsperson



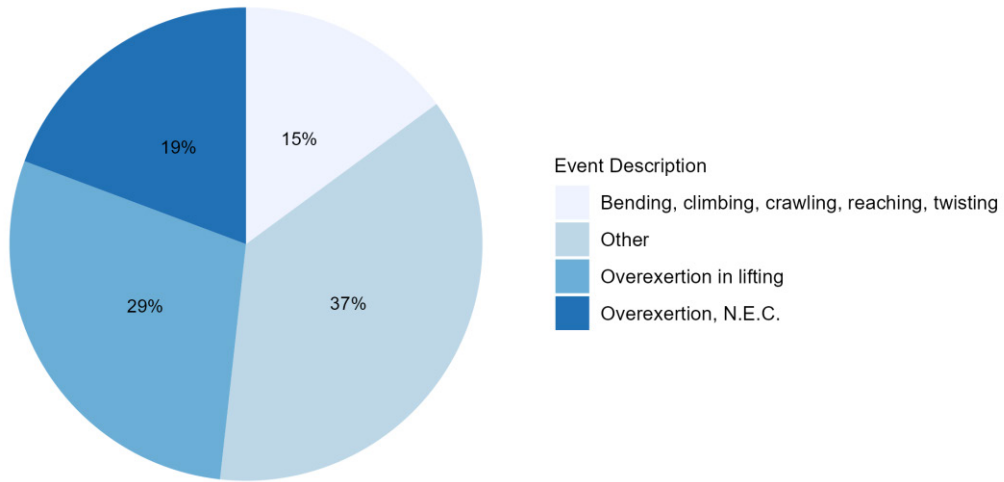
Agricultural - Fruit Grower



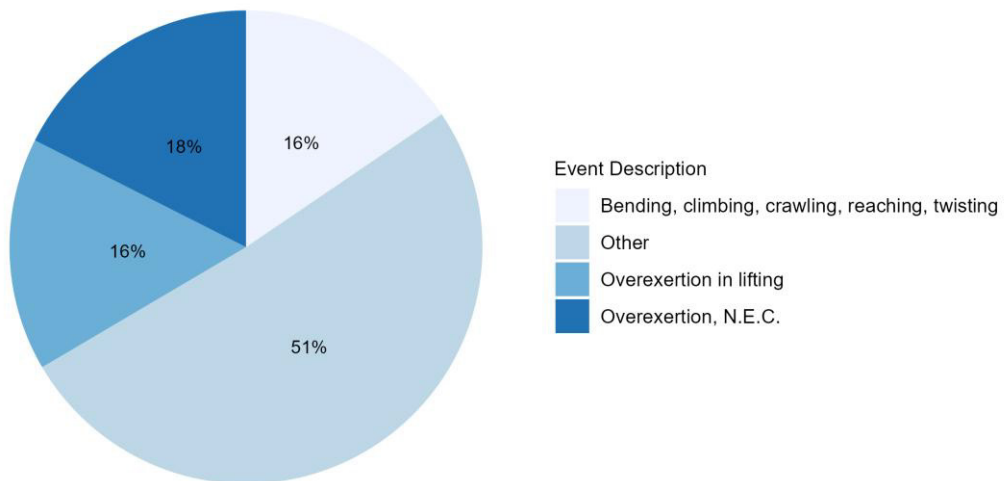
Agricultural - Swine Herdsperson



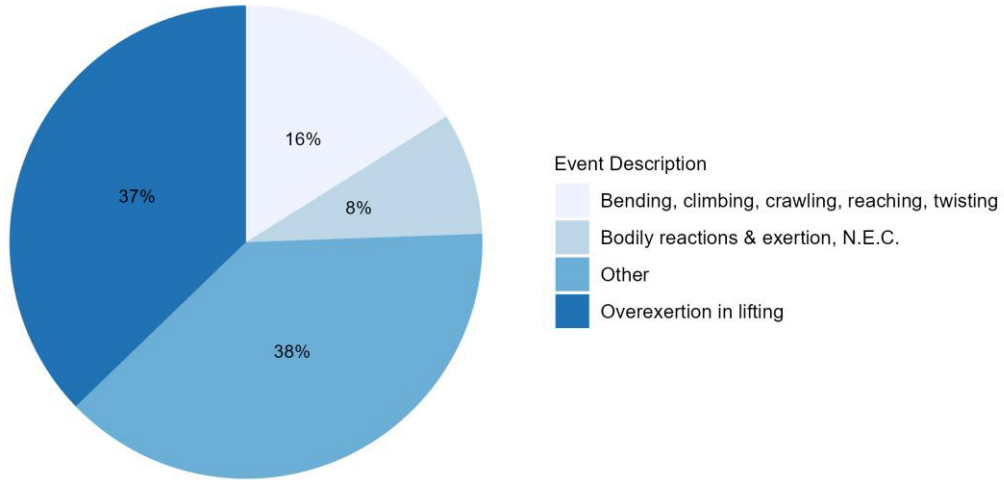
Appliance Service Technician



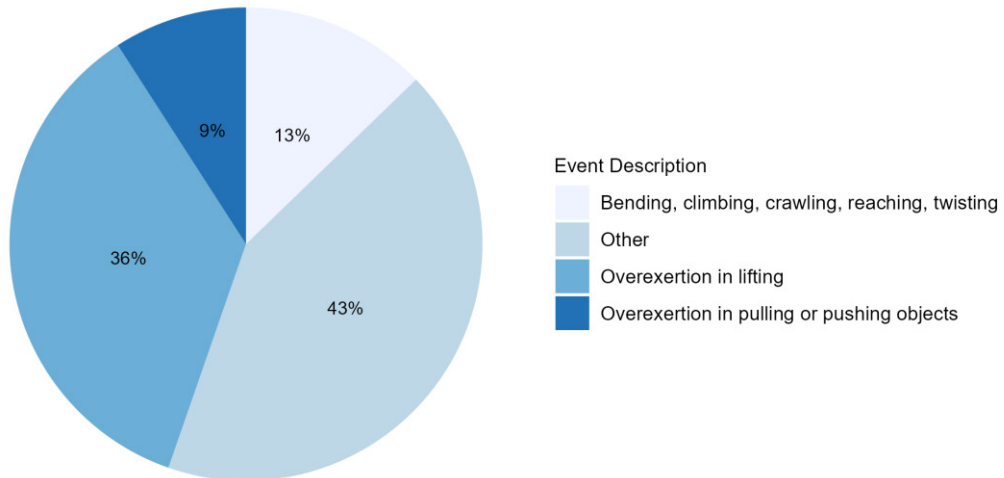
Arborist



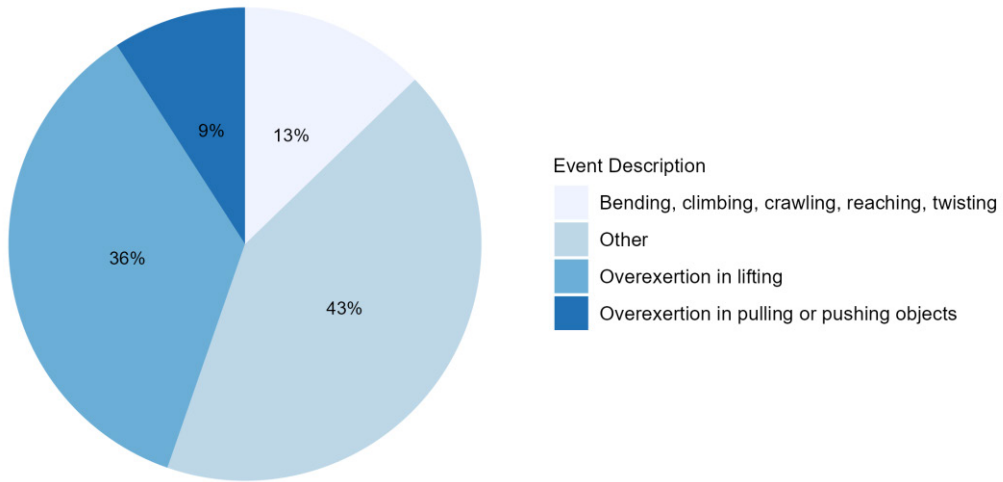
Assistant Cook



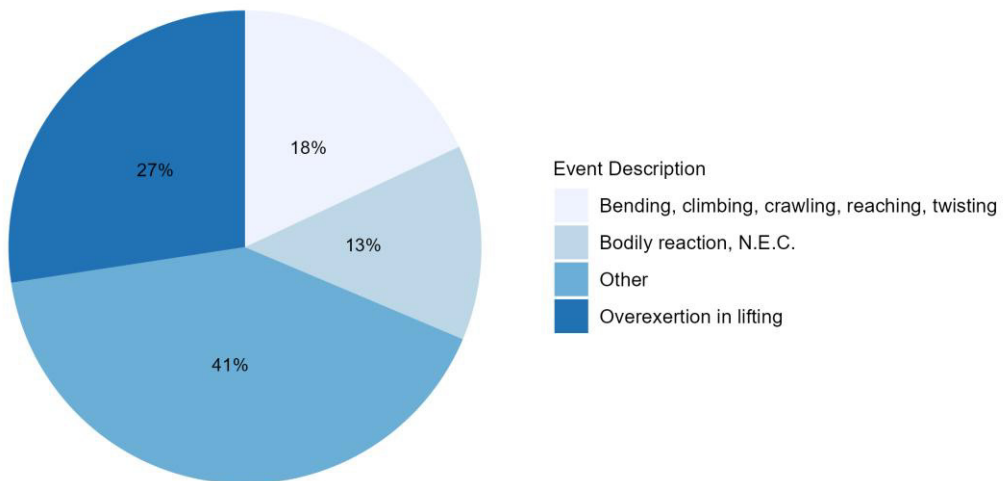
Baker



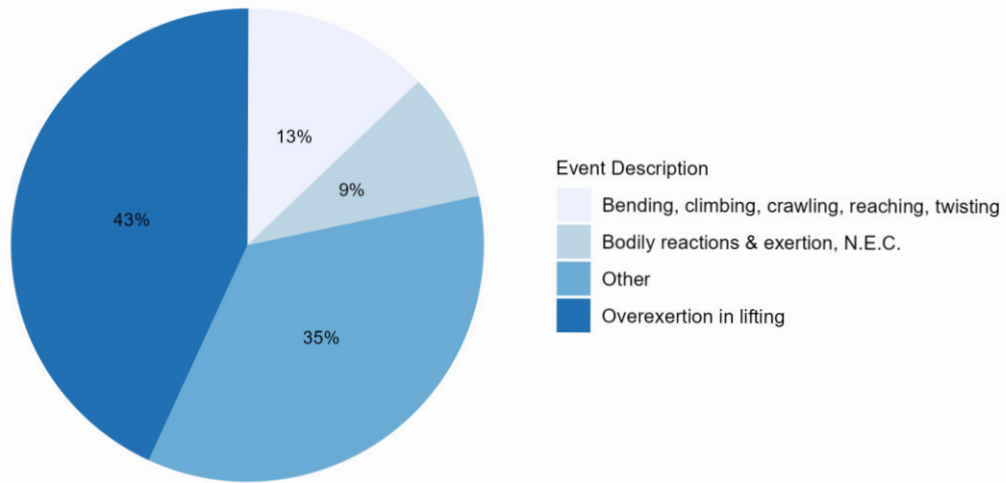
Baker-Patissier



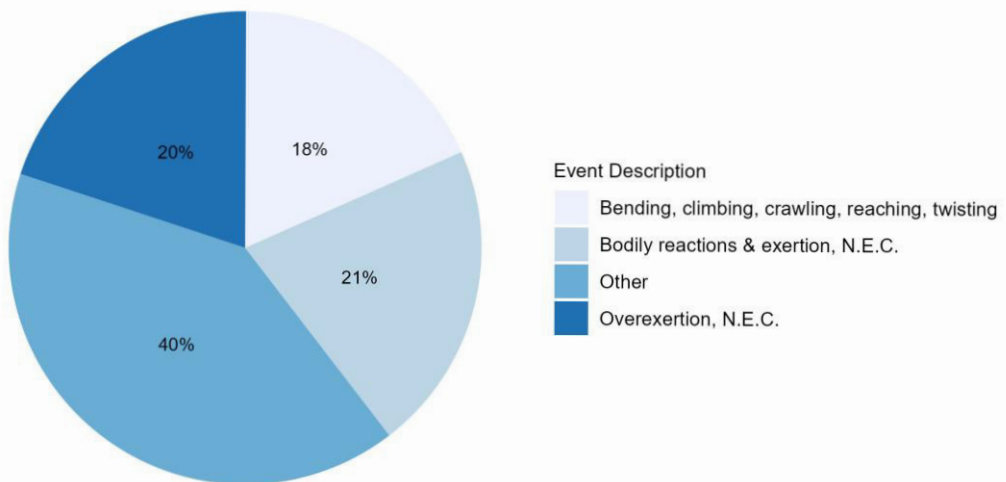
Bicycle Mechanic



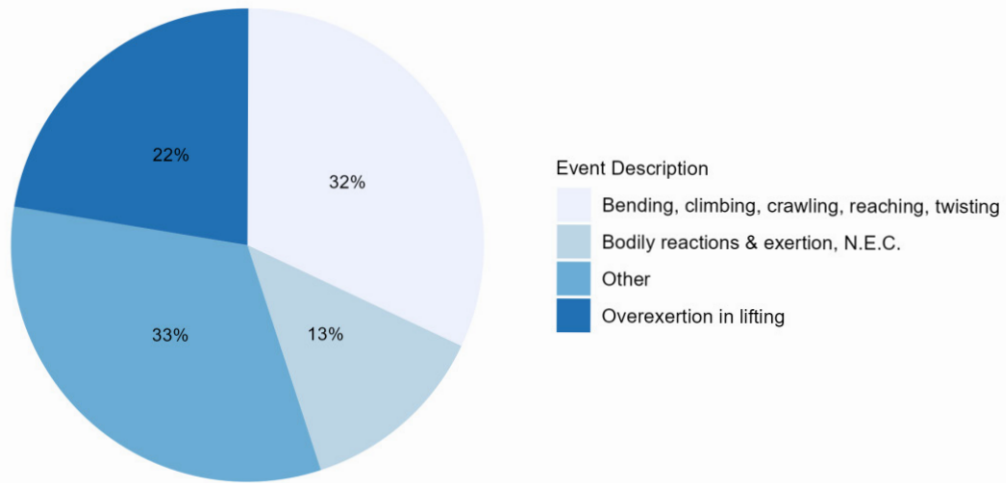
Chef



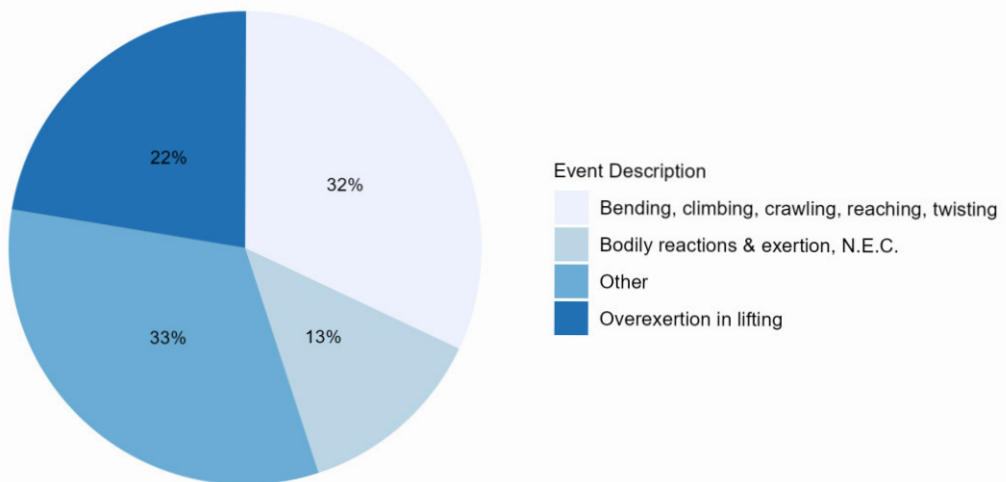
Child and Youth Worker

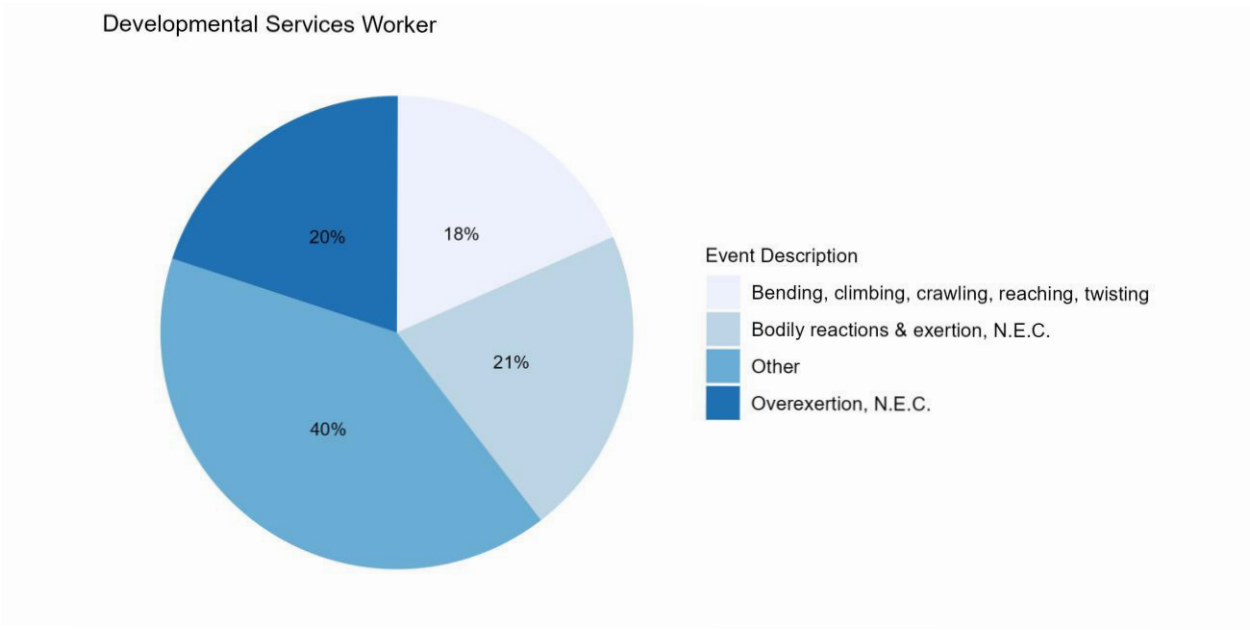
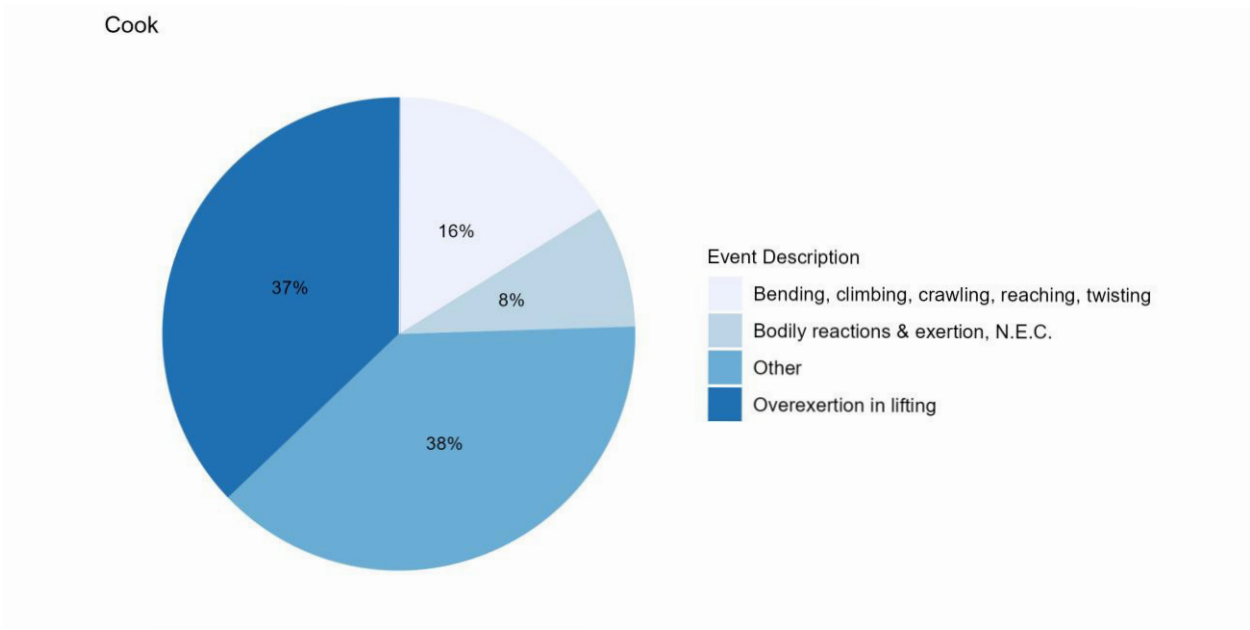


Child Development Practitioner - Inclusion Practices

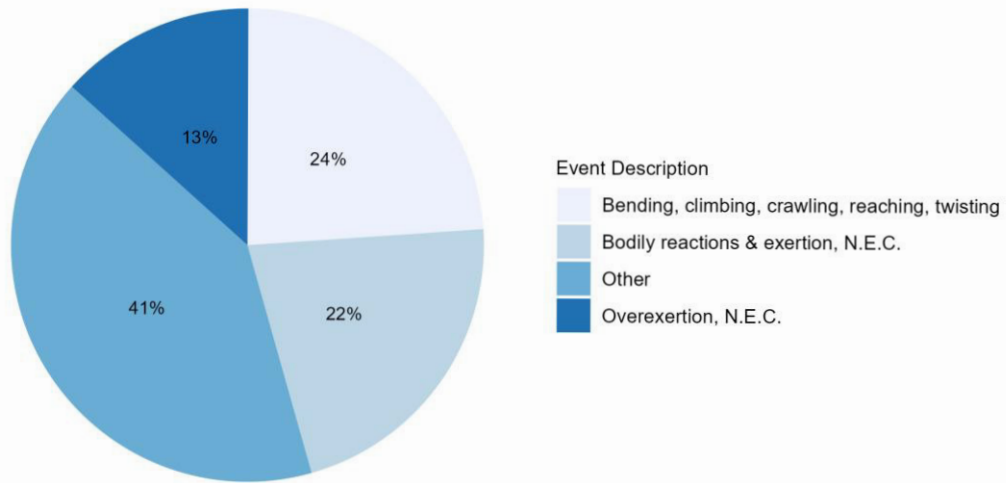


Child Development Practitioner

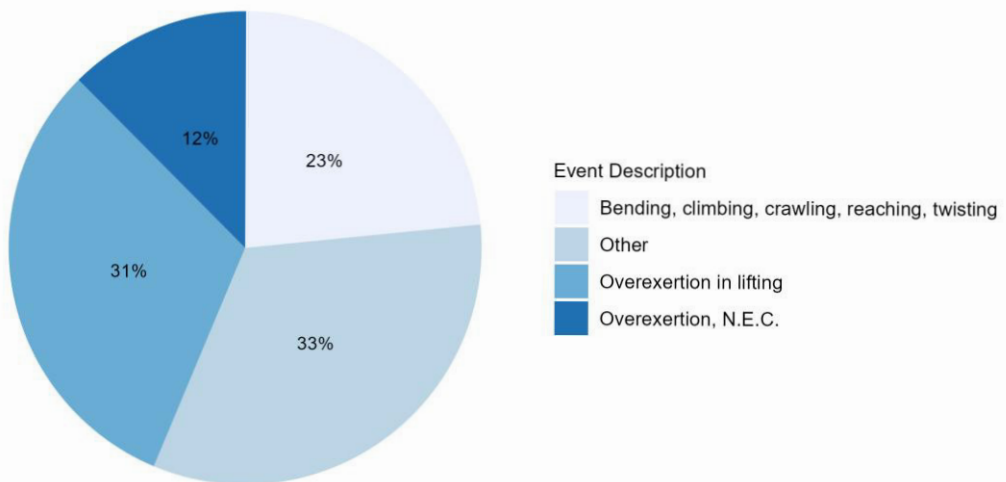




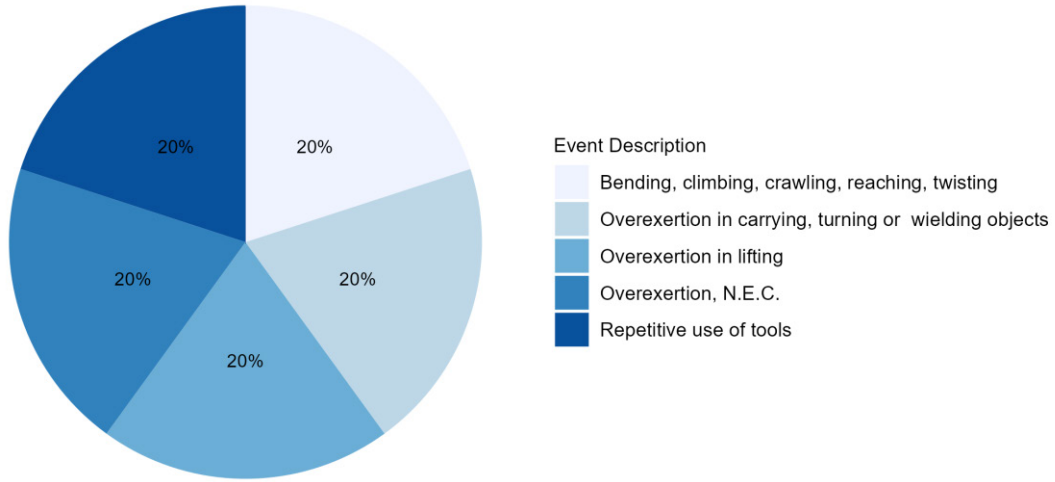
Educational Assistant



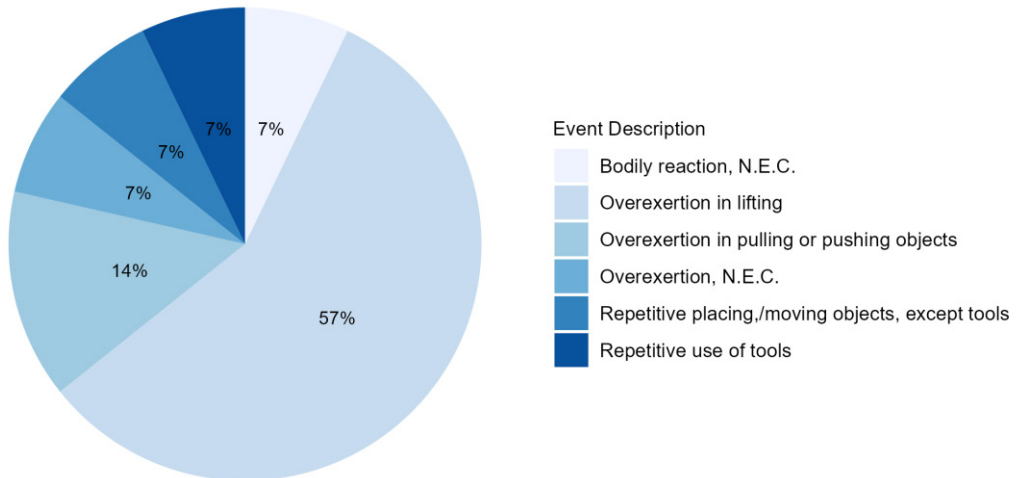
Electronic Service Technician



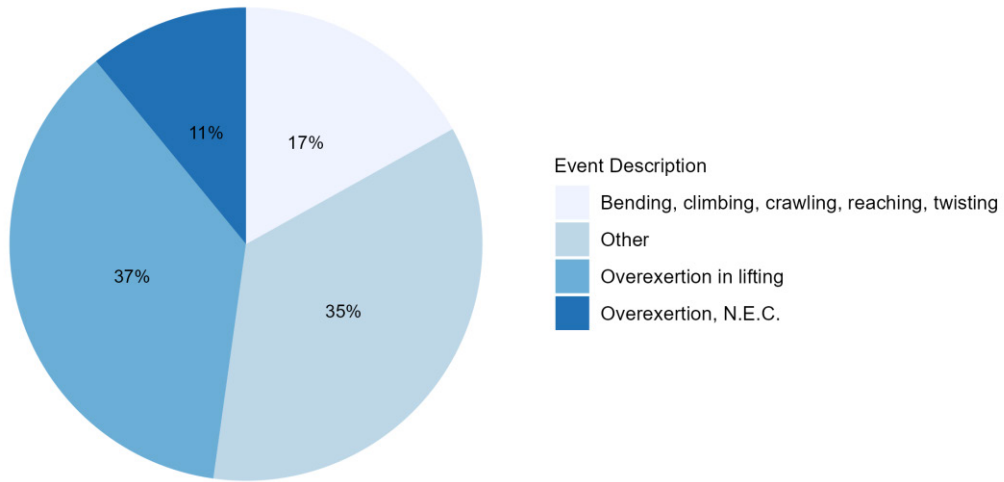
Gemsetter/Goldsmith



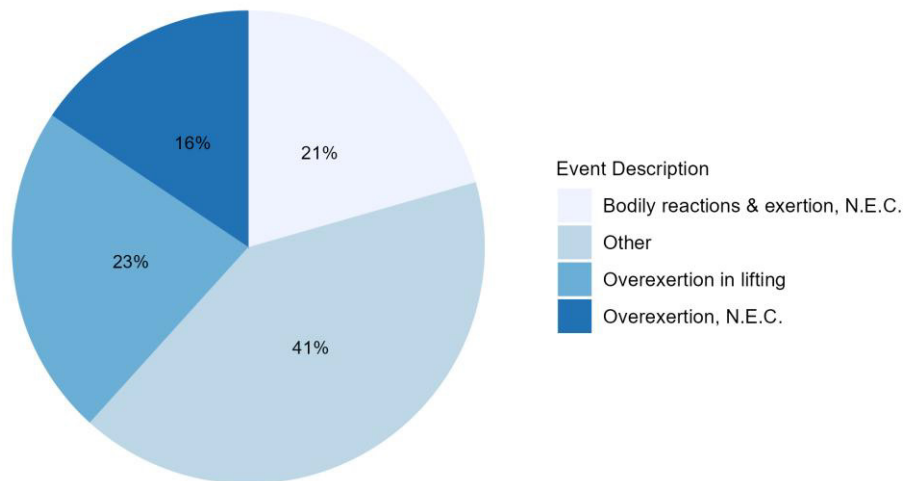
Hairstylist



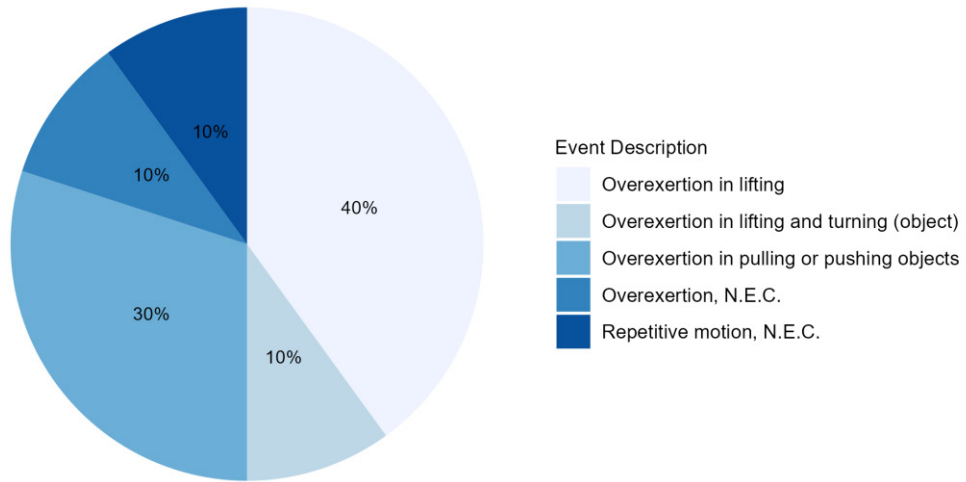
Hardware, Lumber and Building Materials Retailer



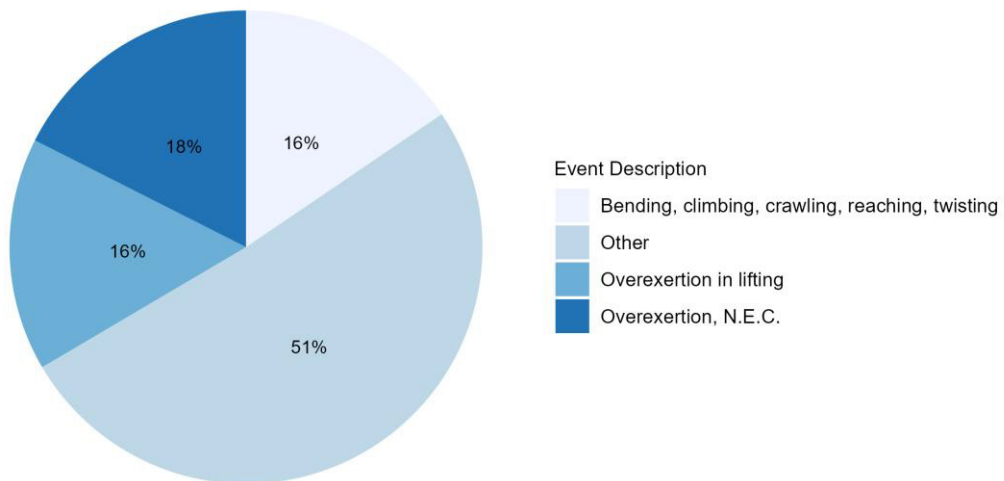
Horse Groom



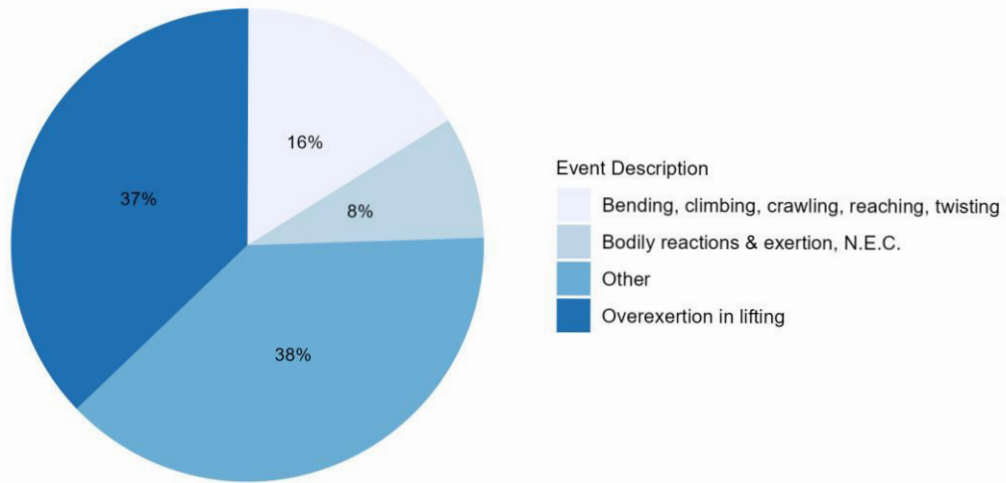
Horse Harness Maker



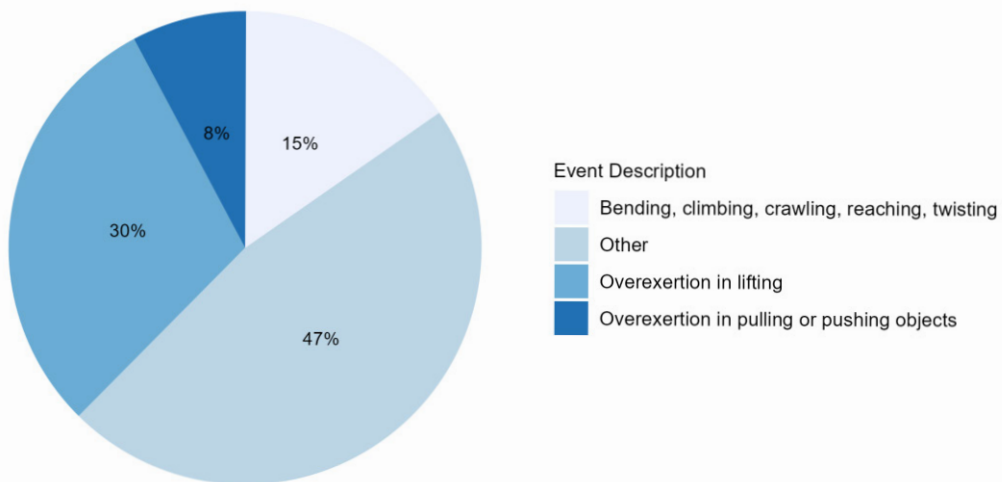
Horticultural Technician



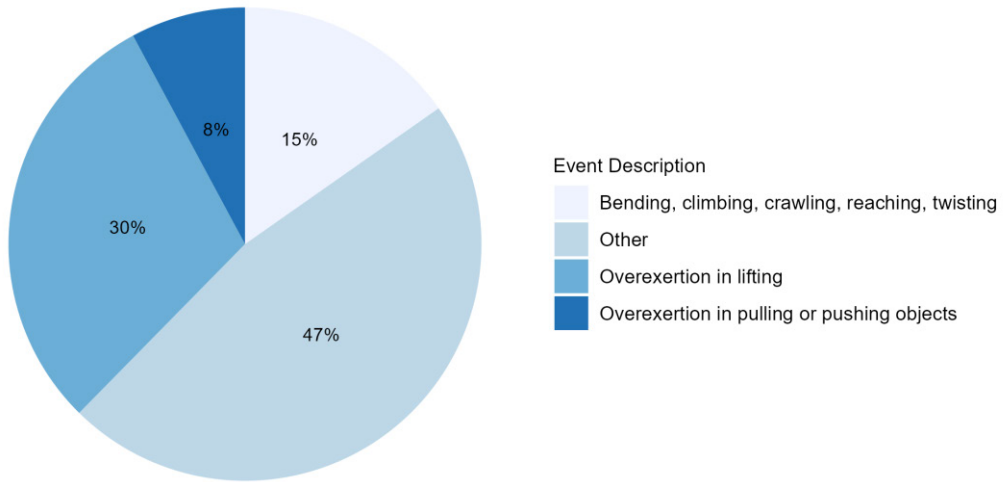
Institutional Cook



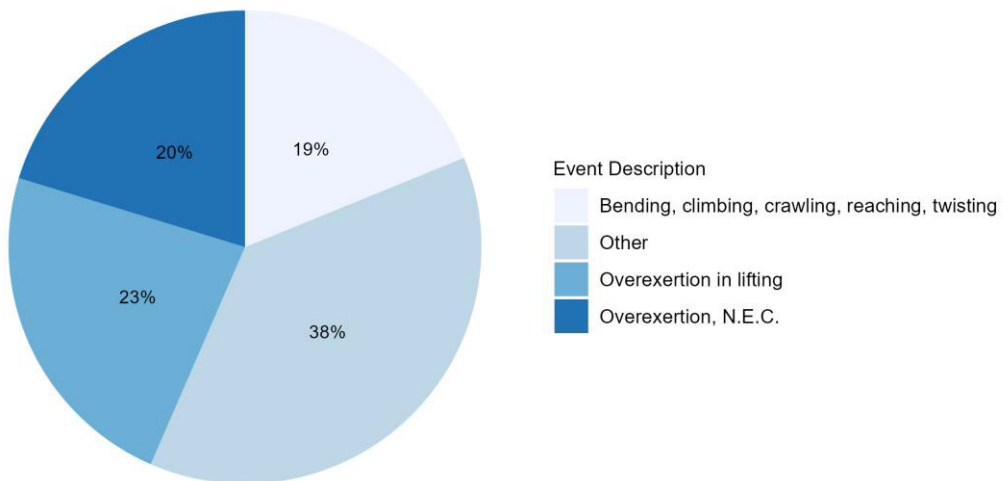
IT - Contact Centre Customer Service Agent



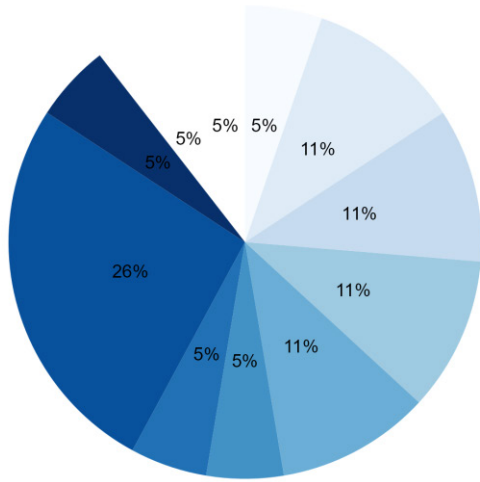
IT - Contact Centre Sales Agent



Micro Electronics Manufacturer



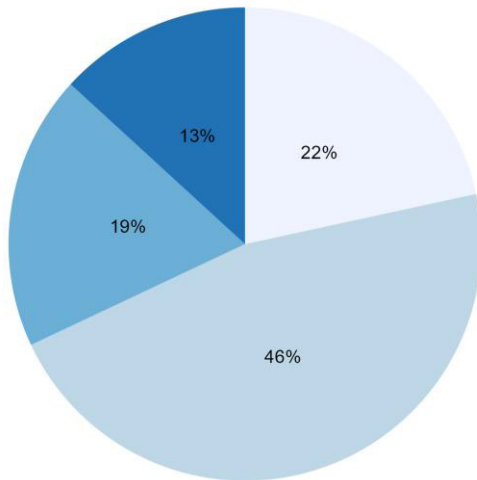
Native Clothing and Crafts Artisan



Event Description

- Bending, climbing, crawling, reaching, twisting
- Bodily reaction, N.E.C.
- Bodily reactions & exertion, N.E.C.
- Overexertion in lifting
- Overexertion in lifting and turning (object)
- Overexertion in pulling or pushing objects
- Overexertion, N.E.C.
- Repetitive motion, N.E.C.
- Repetitive motion, UNS
- Repetitive placing./moving objects, except tools
- Repetitive use of tools

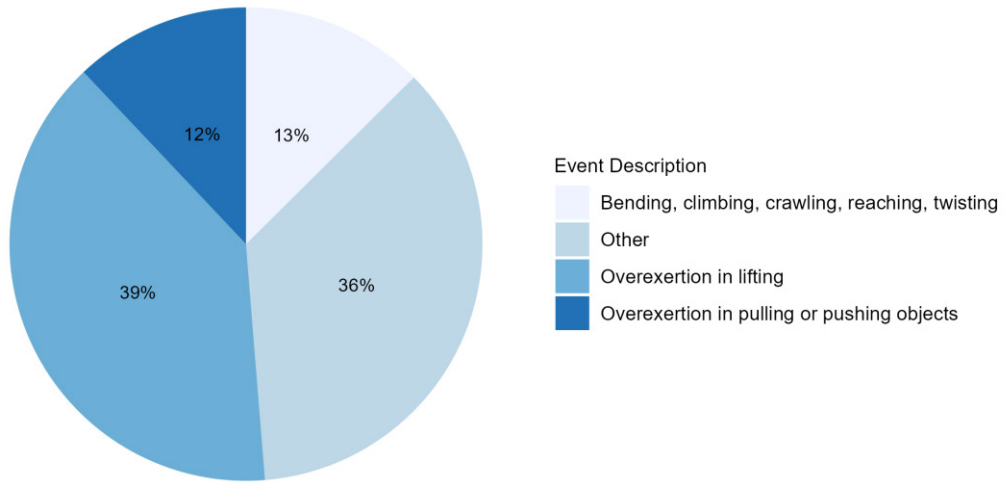
Network Cabling Specialist



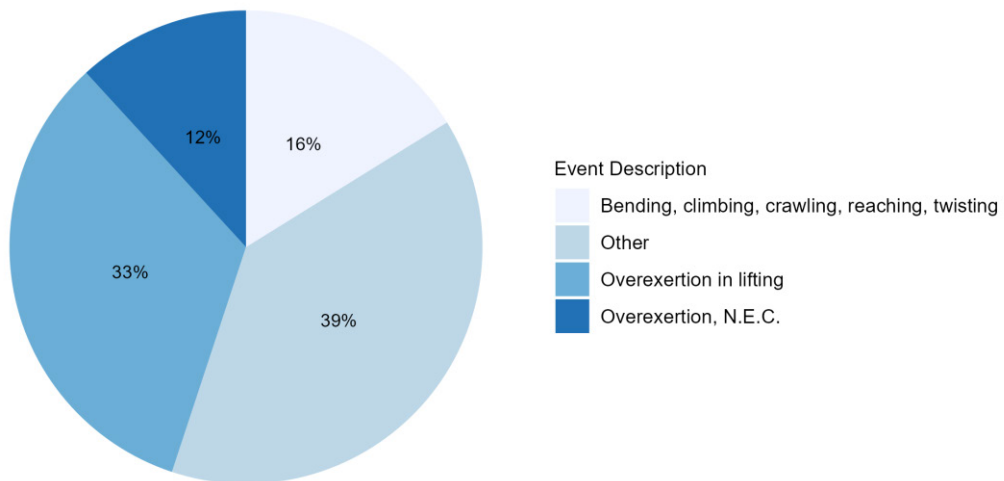
Event Description

- Bending, climbing, crawling, reaching, twisting
- Other
- Overexertion in lifting
- Overexertion, N.E.C.

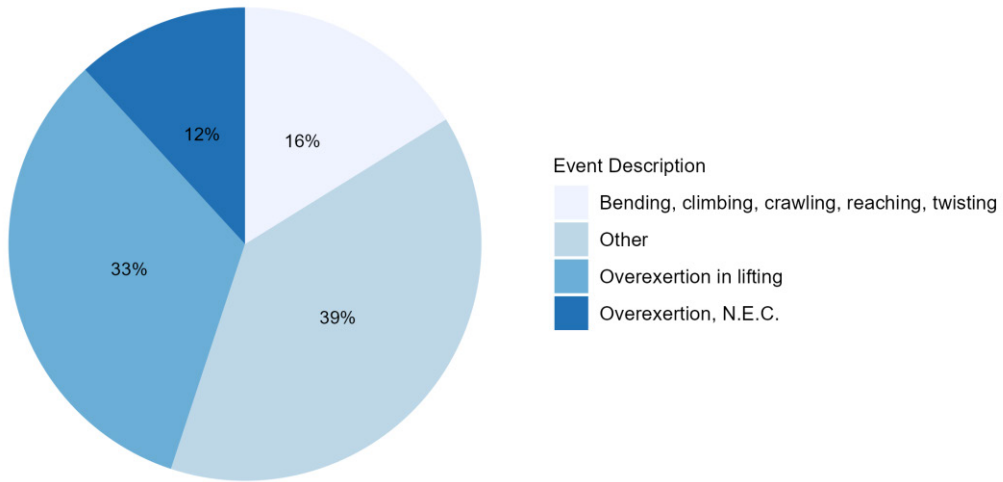
Parts Technician



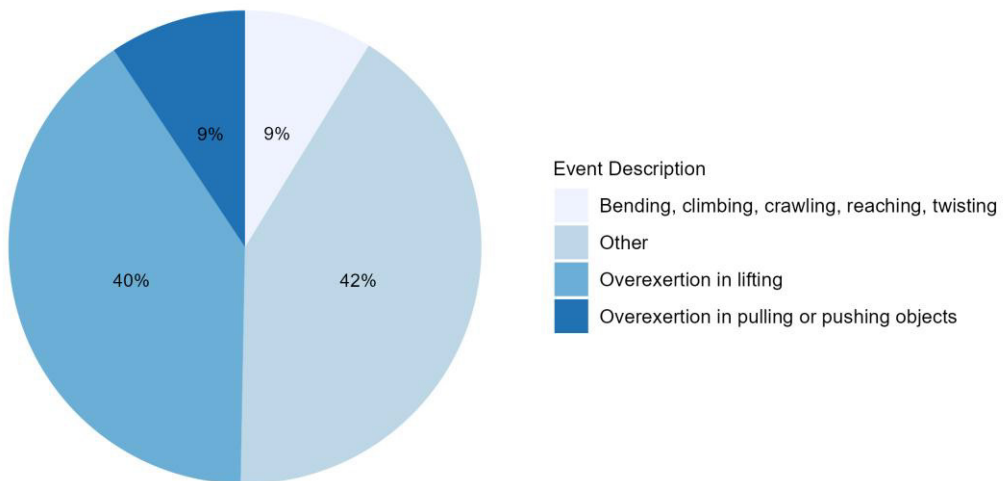
Pool, Hot Tub and Spa - Installer

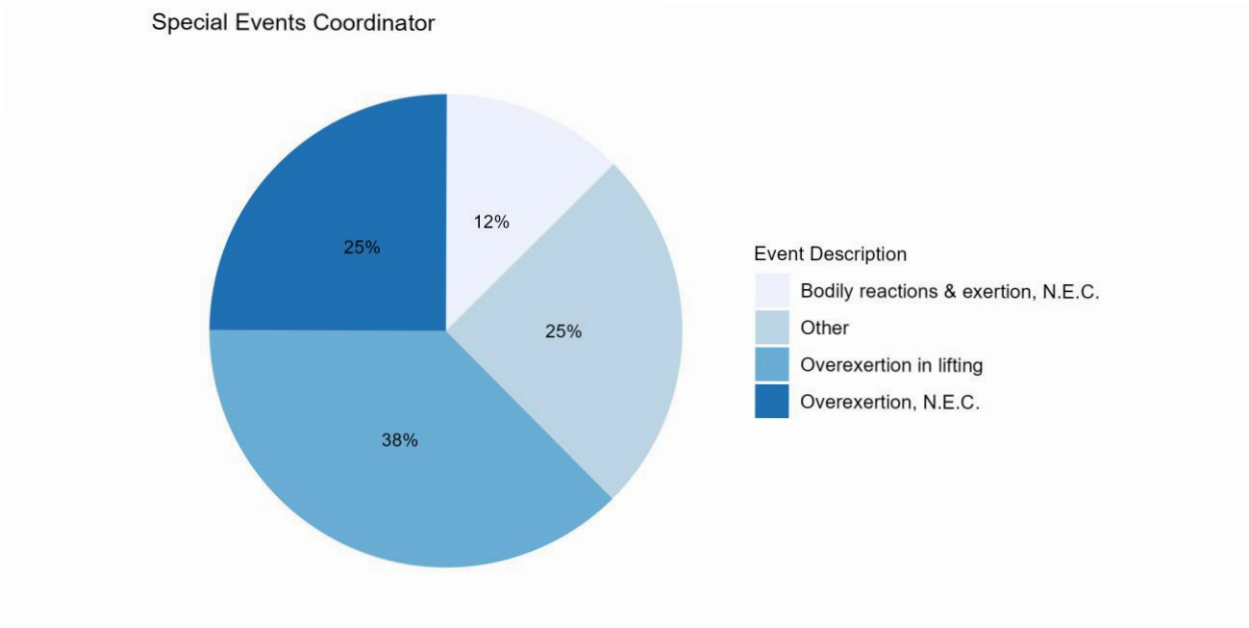
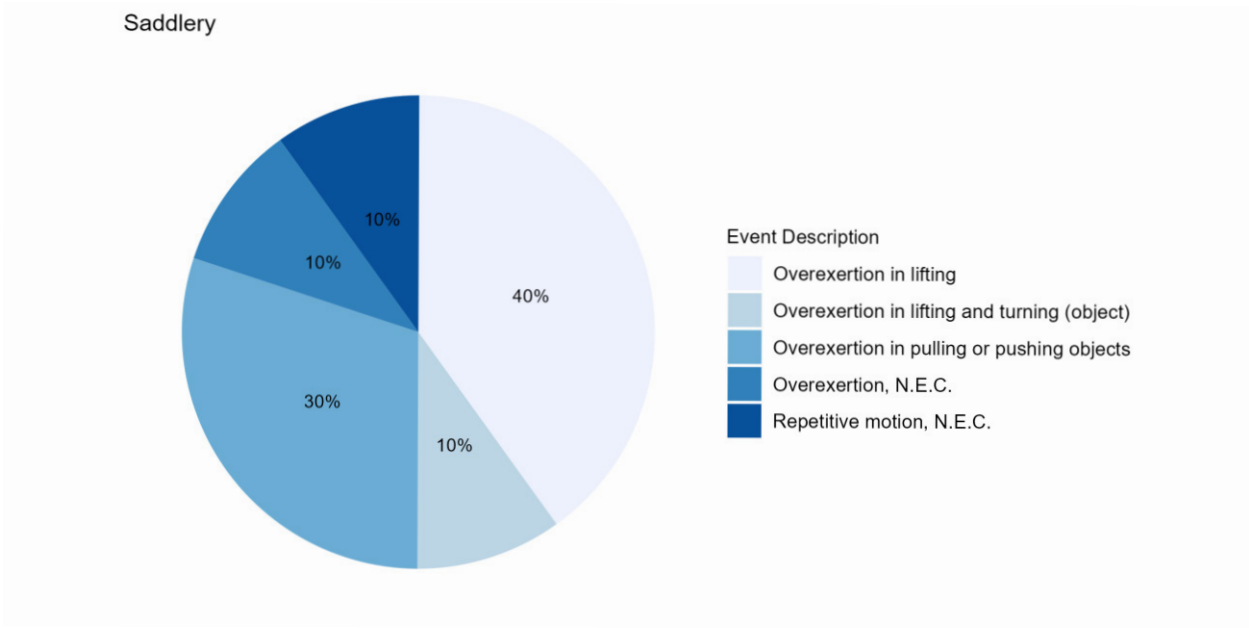


Pool, Hot Tub and Spa - Service Technician

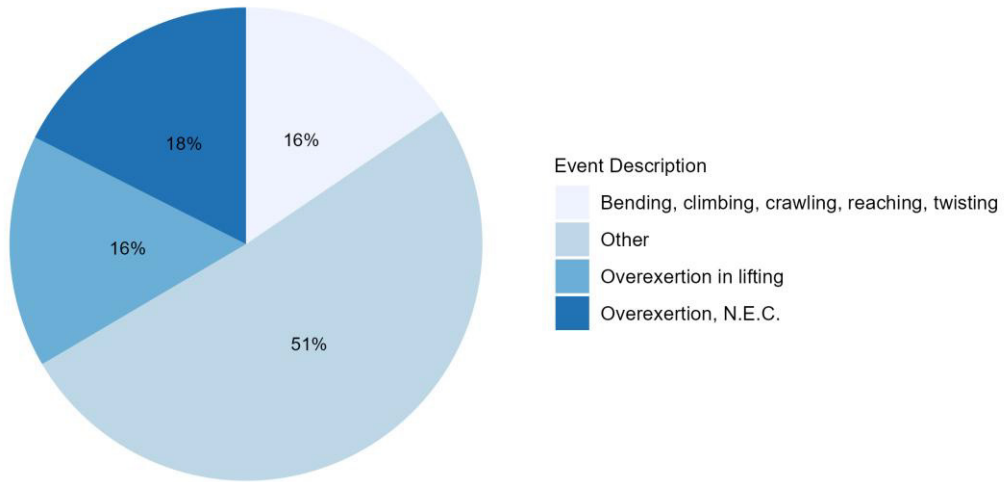


Retail Meat Cutter



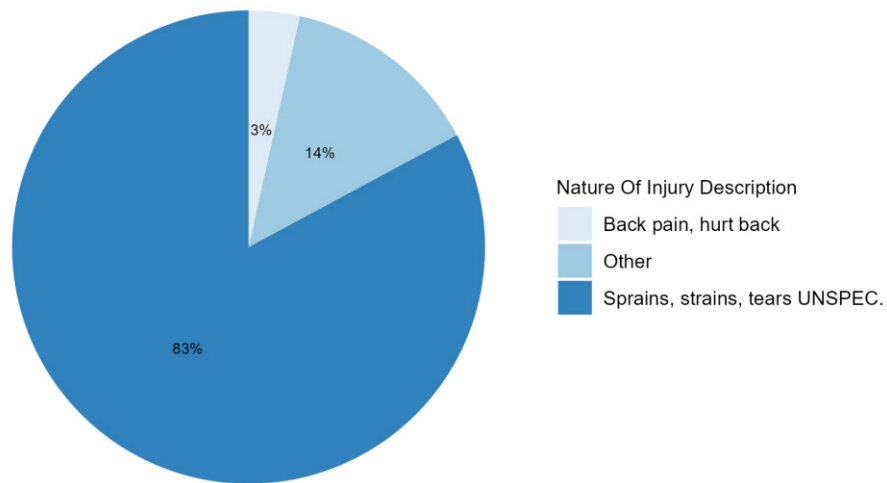


Utility Arborist

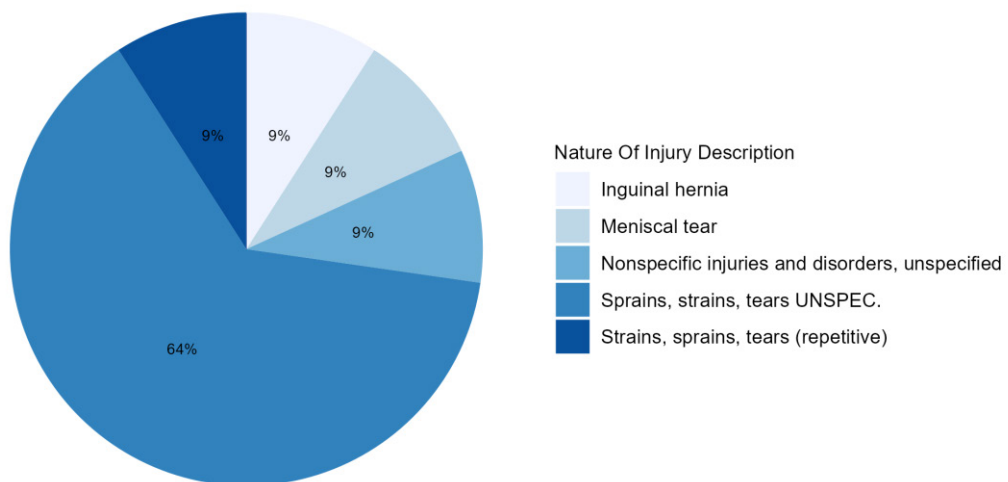


Section 7: Breakdown of *MSD* claims by Nature of Injury Description

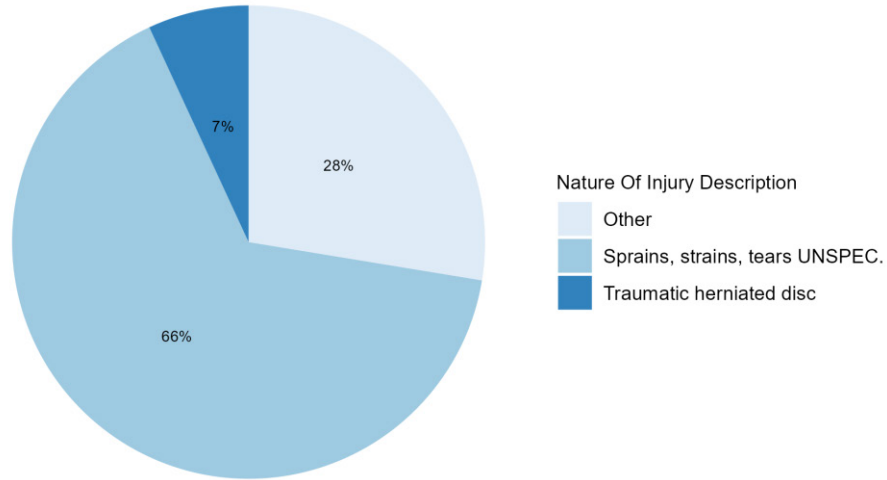
Aboriginal Child Development Practitioner



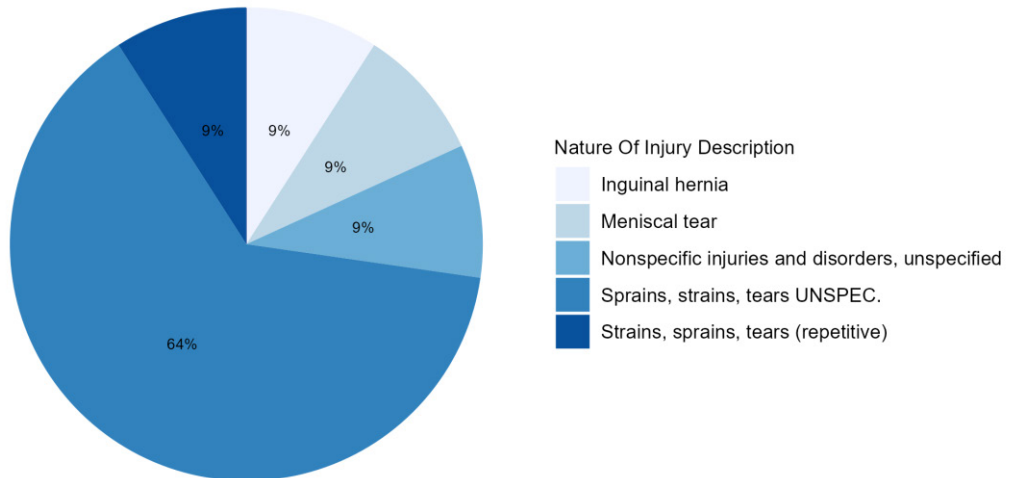
Agricultural - Dairy Herdsperson



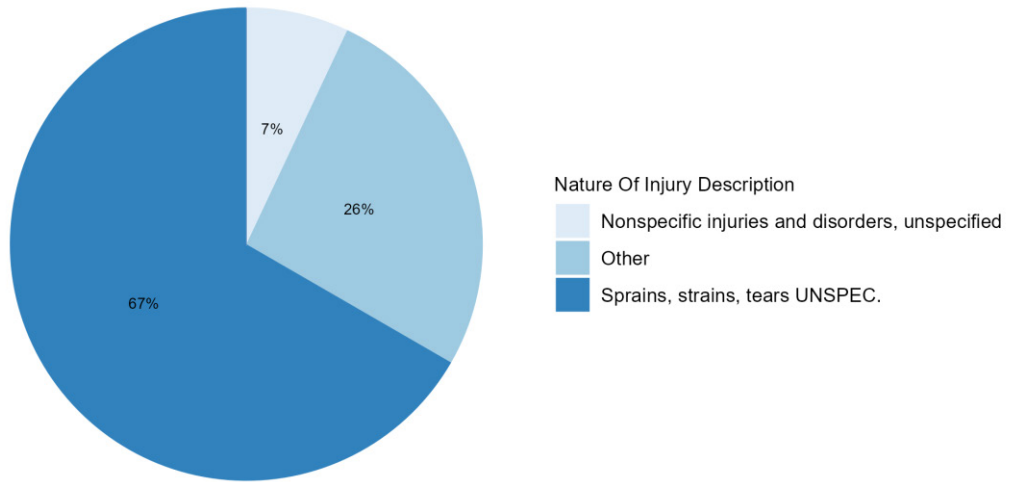
Agricultural - Fruit Grower



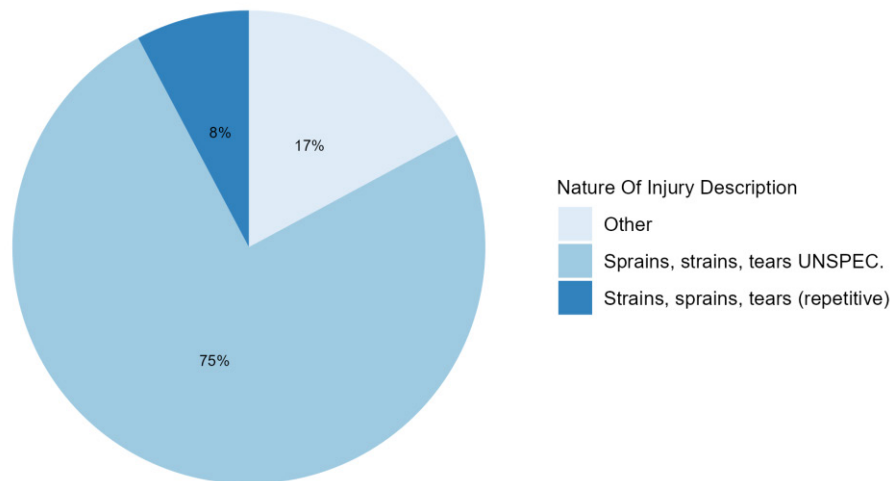
Agricultural - Swine Herdsperson



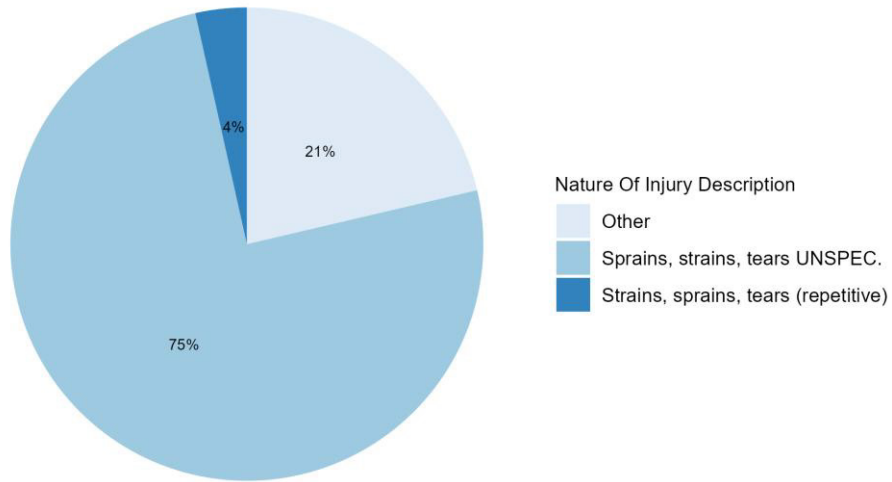
Appliance Service Technician



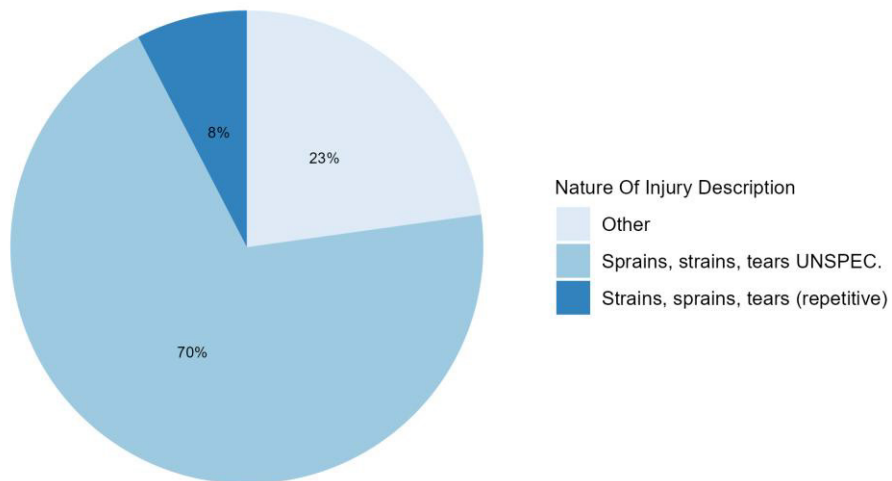
Arborist



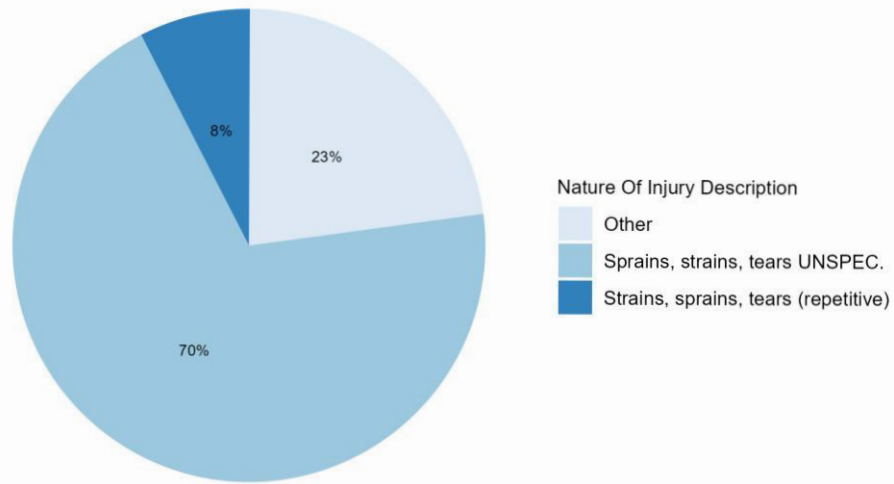
Assistant Cook



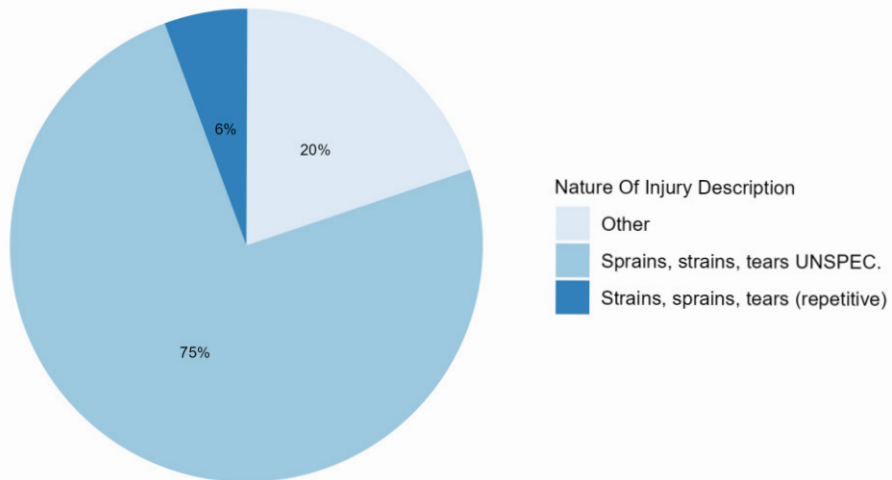
Baker



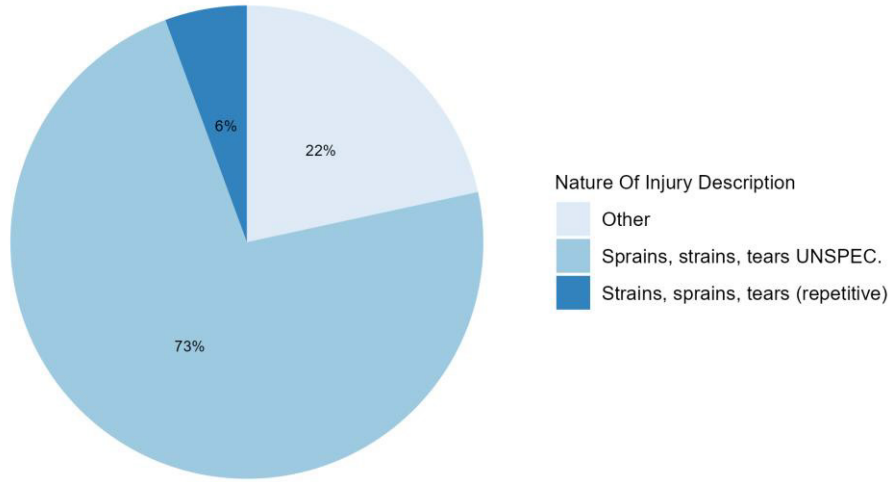
Baker-Patissier



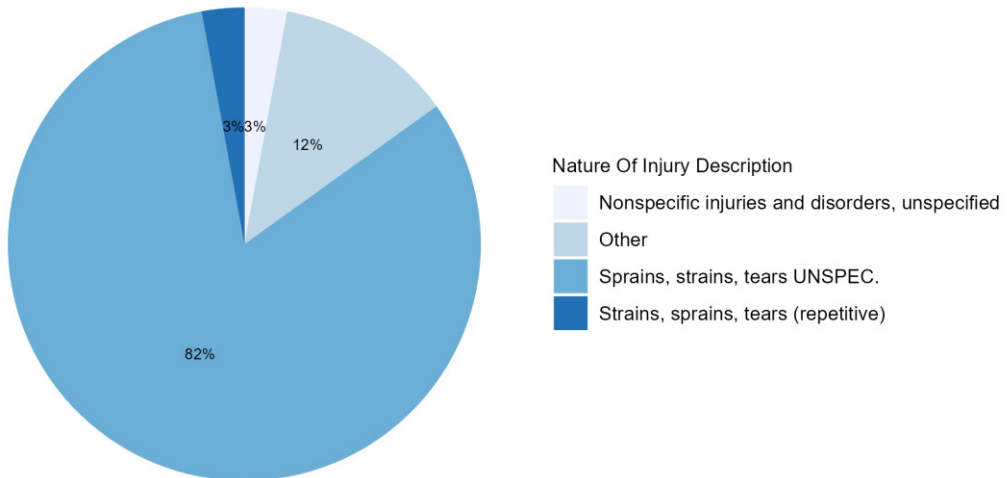
Bicycle Mechanic



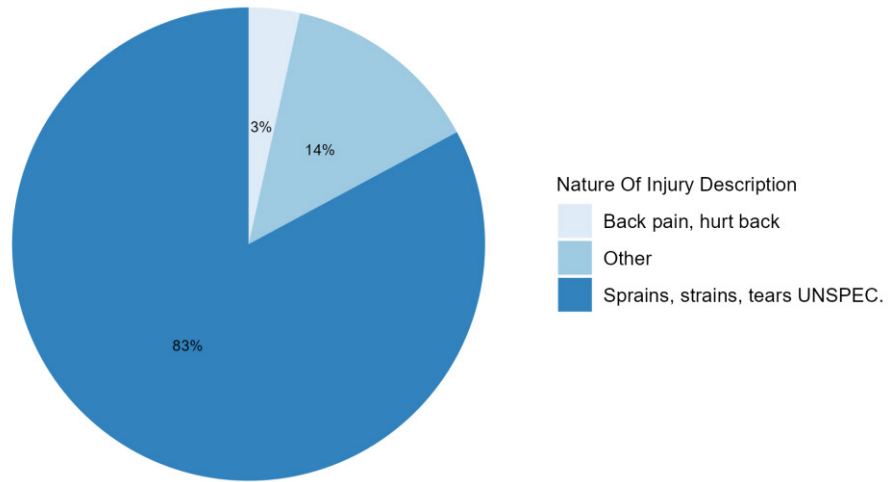
Chef



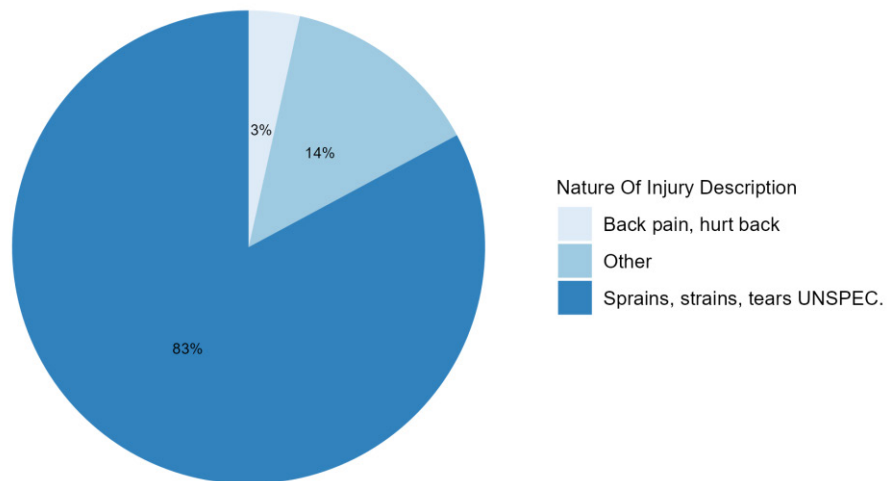
Child and Youth Worker



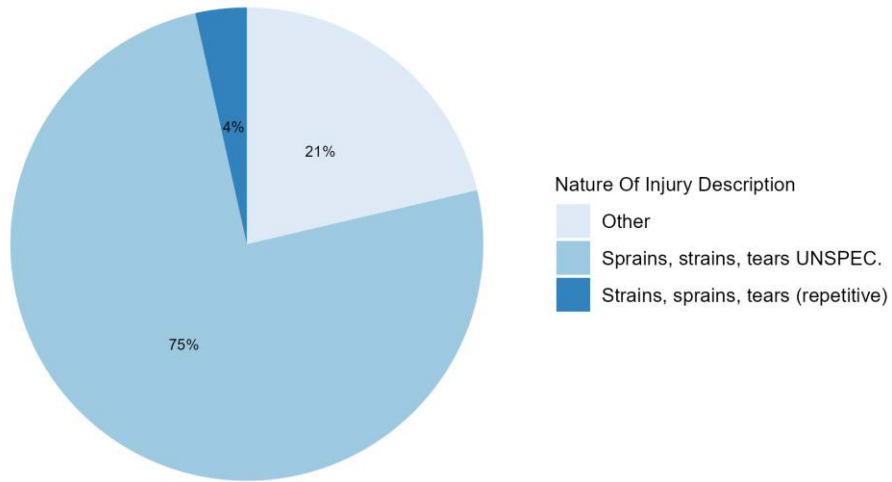
Child Development Practitioner - Inclusion Practices



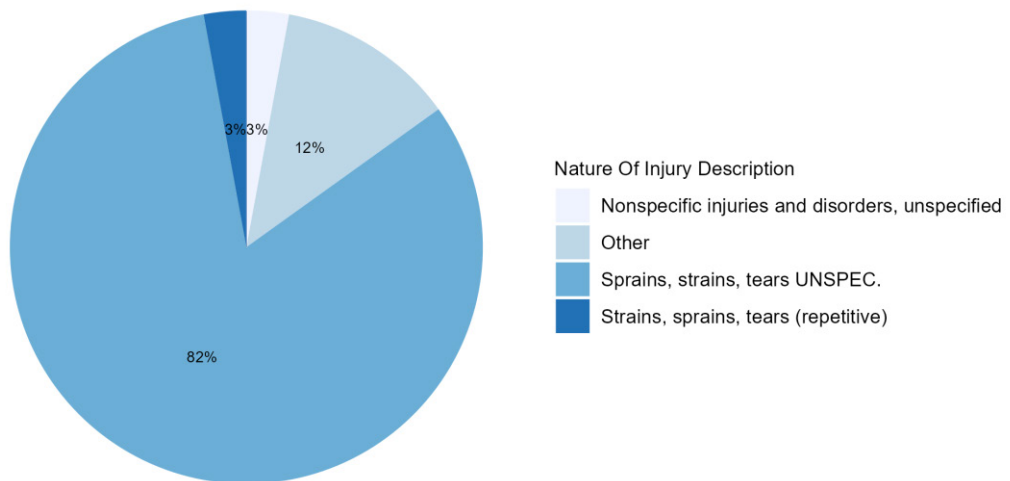
Child Development Practitioner



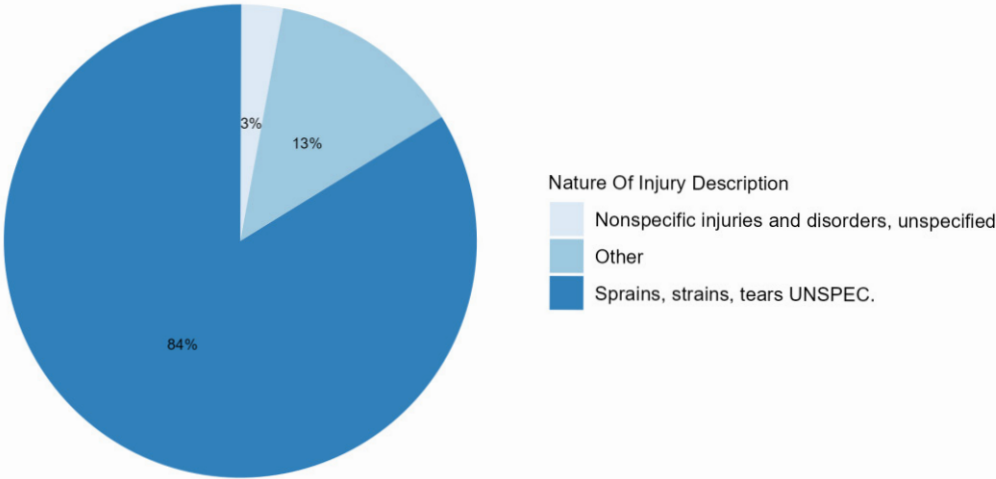
Cook



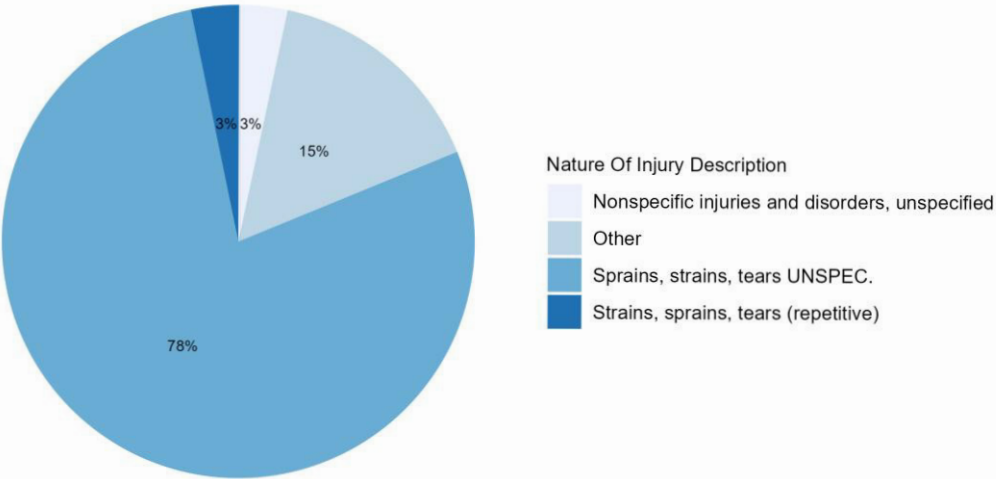
Developmental Services Worker



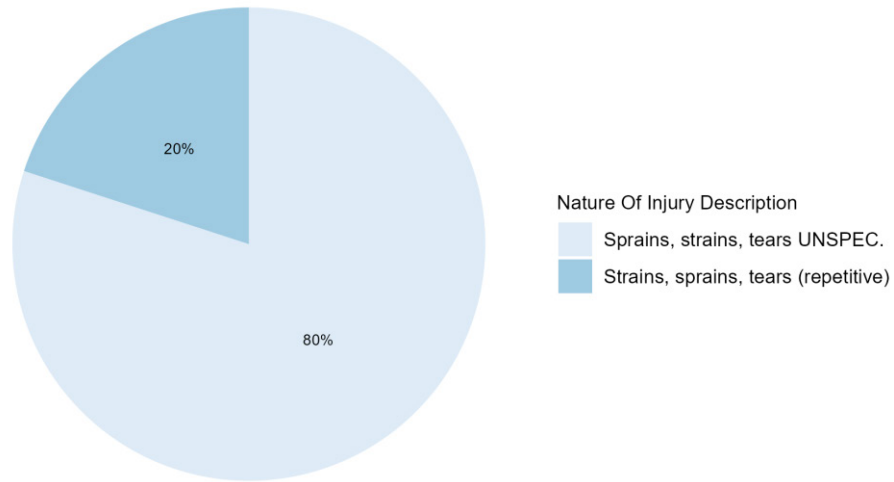
Educational Assistant



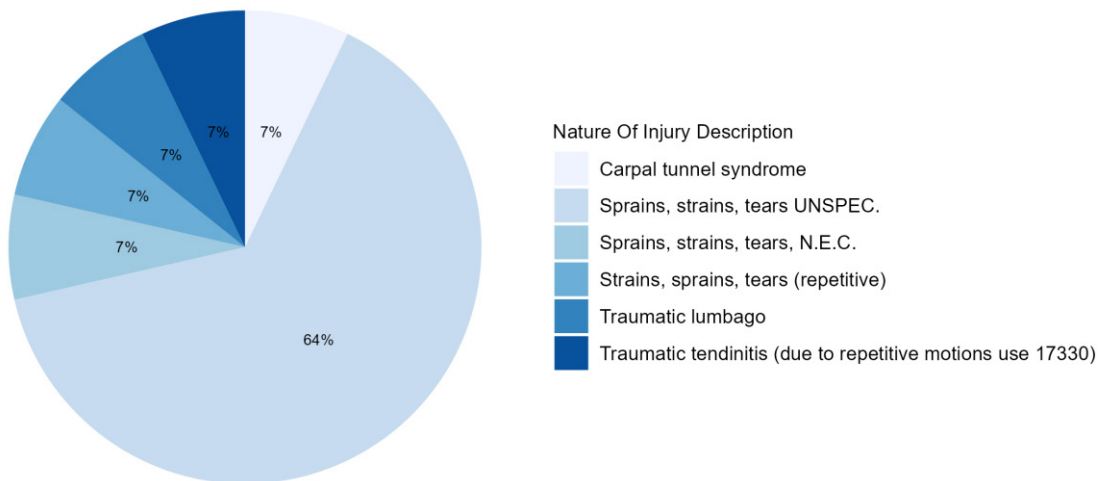
Electronic Service Technician



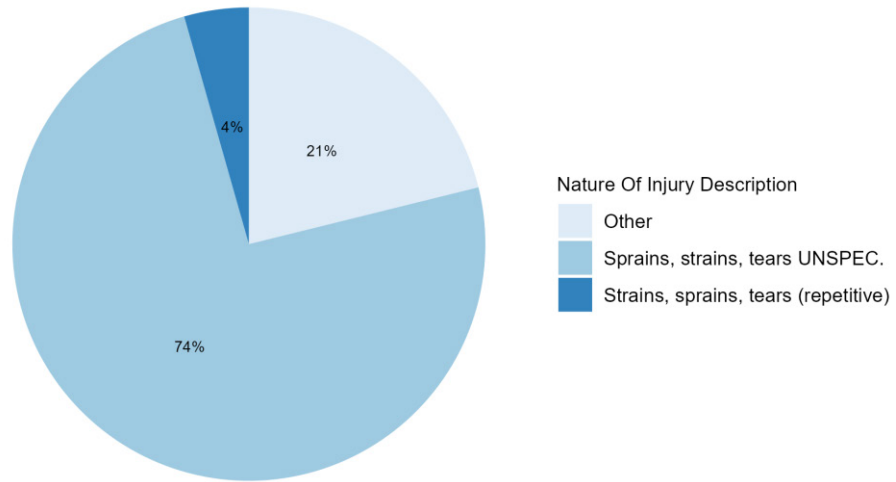
Gemsetter/Goldsmith



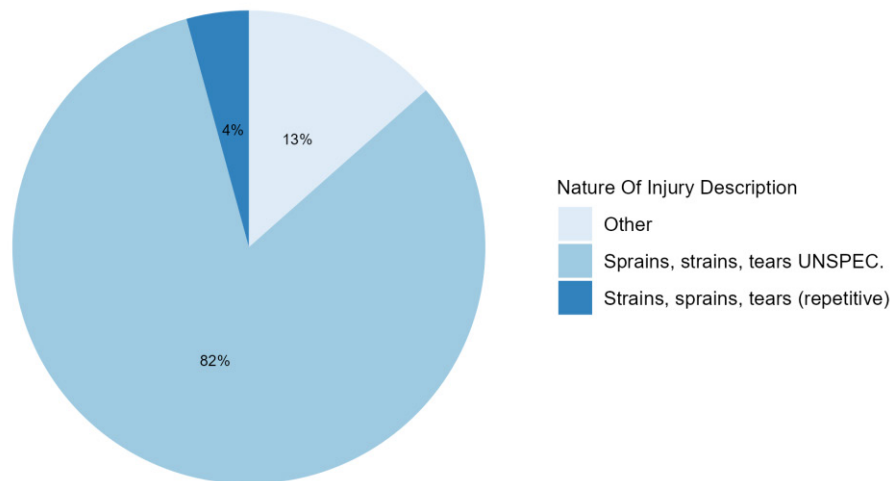
Hairstylist



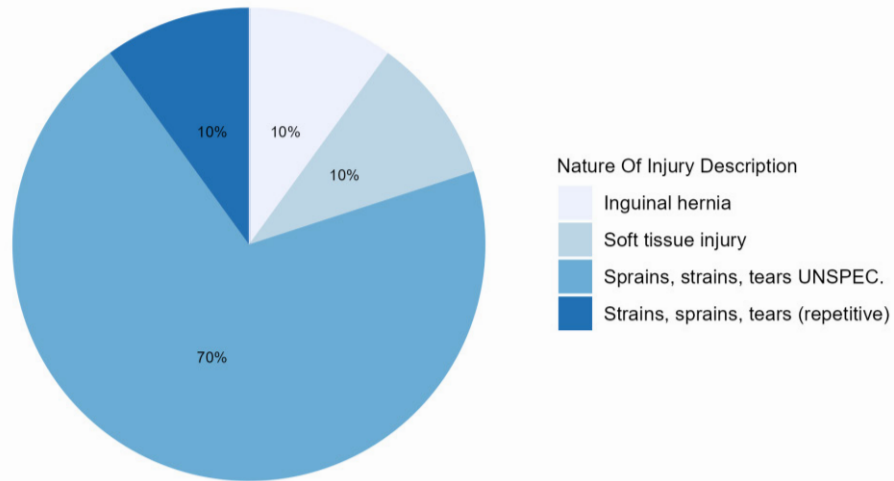
Hardware, Lumber and Building Materials Retailer



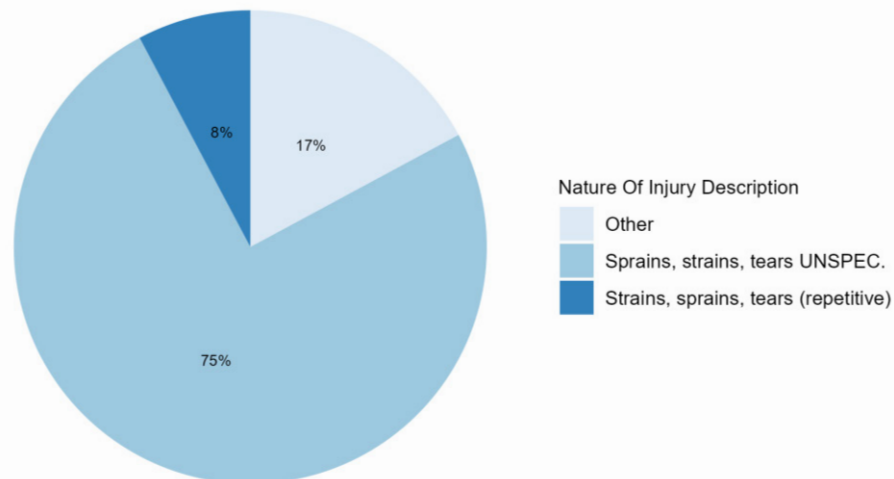
Horse Groom



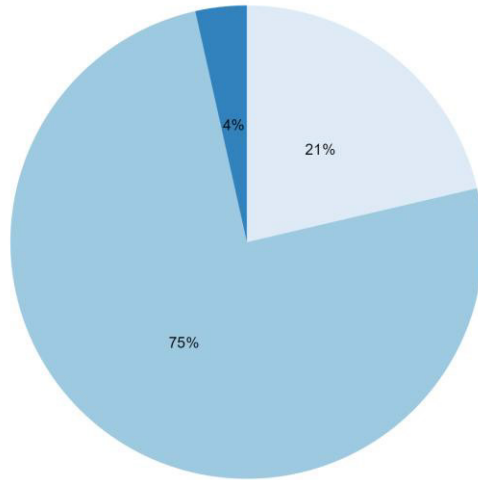
Horse Harness Maker



Horticultural Technician



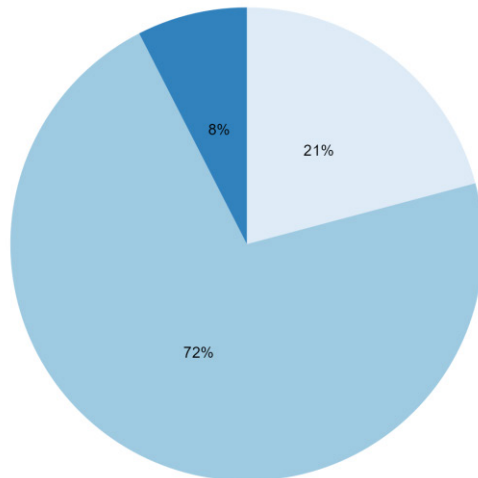
Institutional Cook



Nature Of Injury Description

- Other
- Sprains, strains, tears UNSPEC.
- Strains, sprains, tears (repetitive)

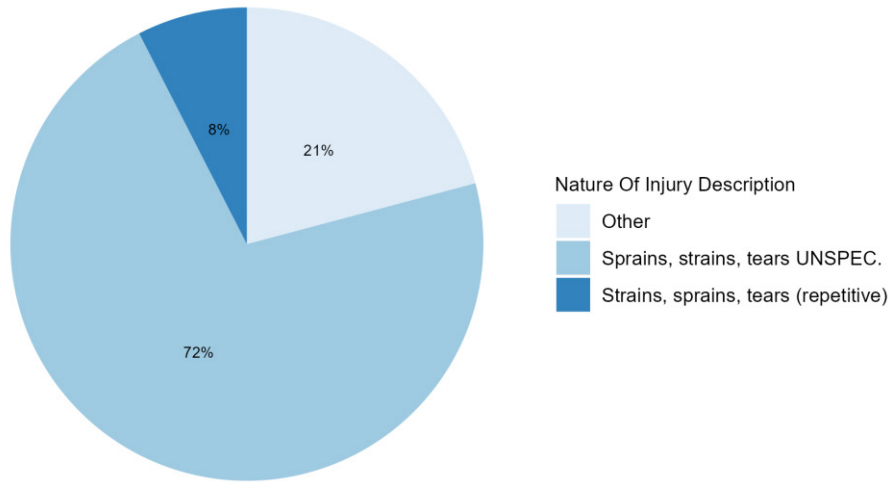
IT - Contact Centre Customer Service Agent



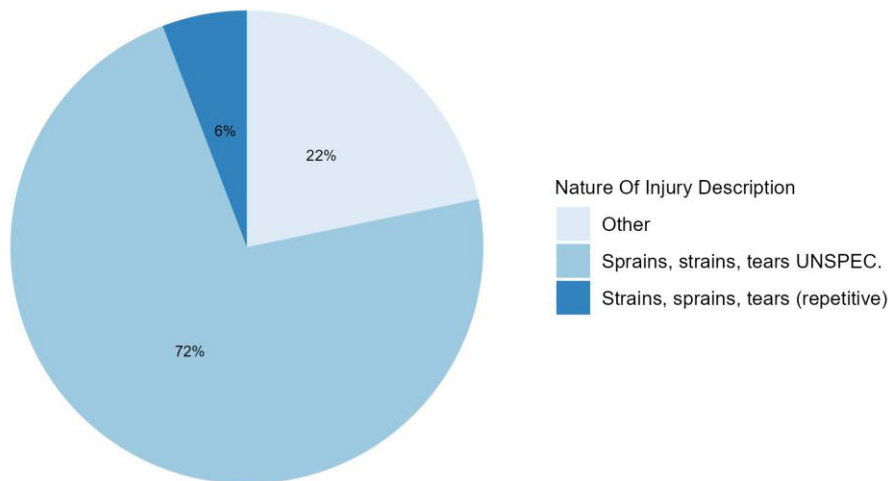
Nature Of Injury Description

- Other
- Sprains, strains, tears UNSPEC.
- Strains, sprains, tears (repetitive)

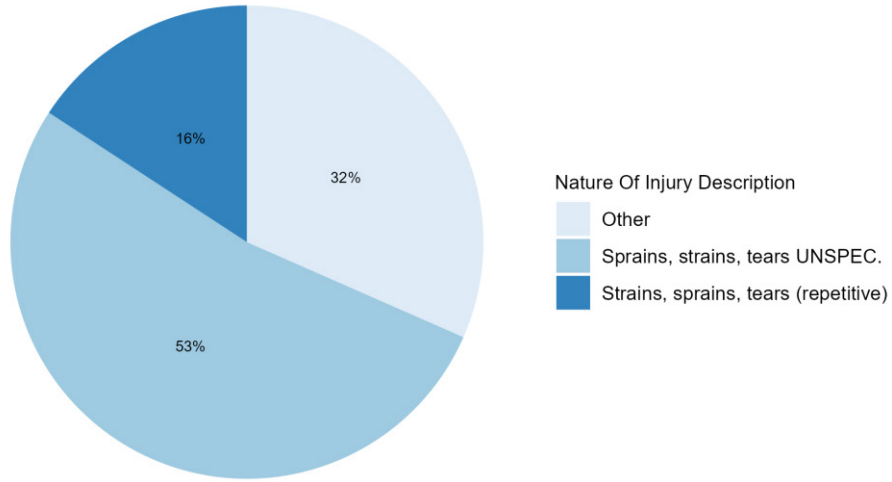
IT - Contact Centre Sales Agent



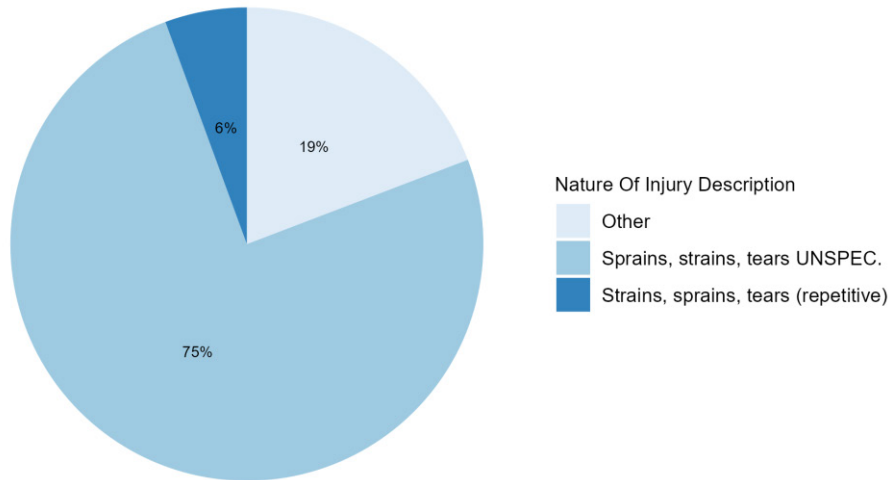
Micro Electronics Manufacturer



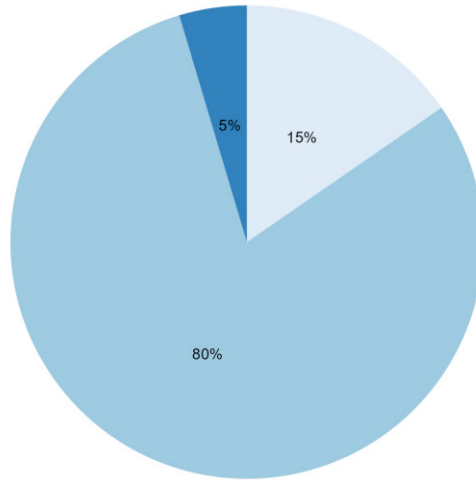
Native Clothing and Crafts Artisan



Network Cabling Specialist



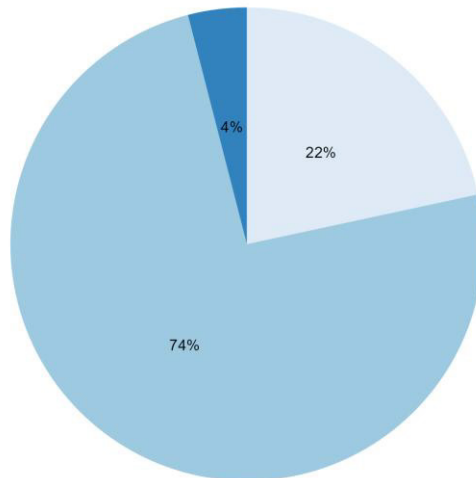
Parts Technician



Nature Of Injury Description

- Other
- Sprains, strains, tears UNSPEC.
- Strains, sprains, tears (repetitive)

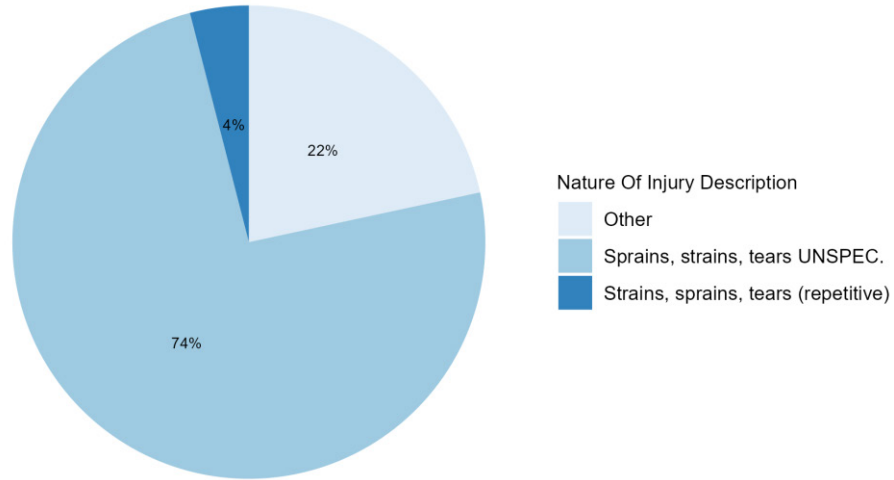
Pool, Hot Tub and Spa - Installer



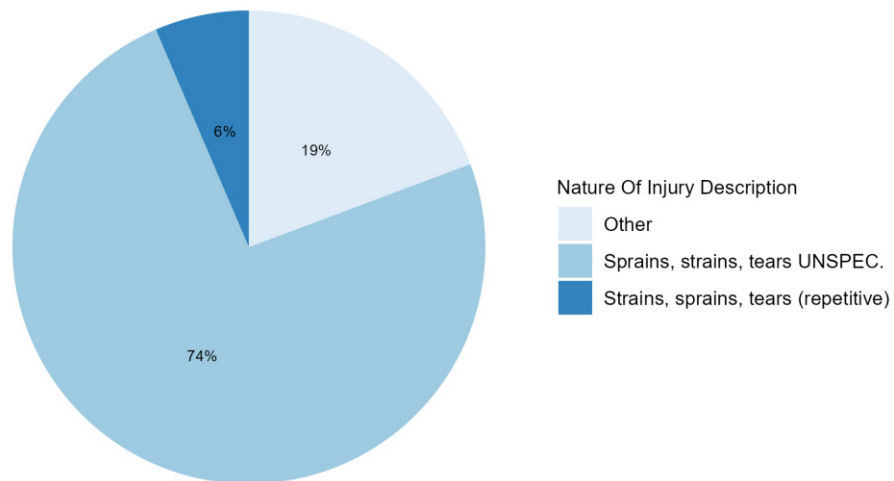
Nature Of Injury Description

- Other
- Sprains, strains, tears UNSPEC.
- Strains, sprains, tears (repetitive)

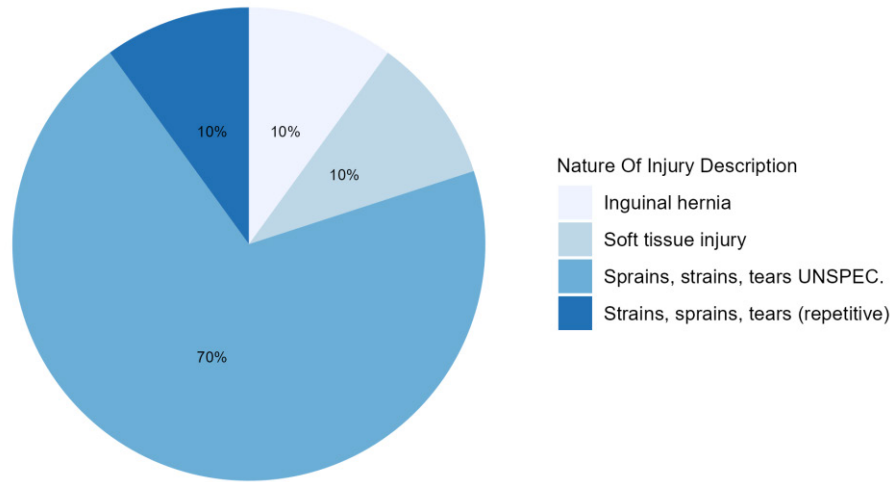
Pool, Hot Tub and Spa - Service Technician



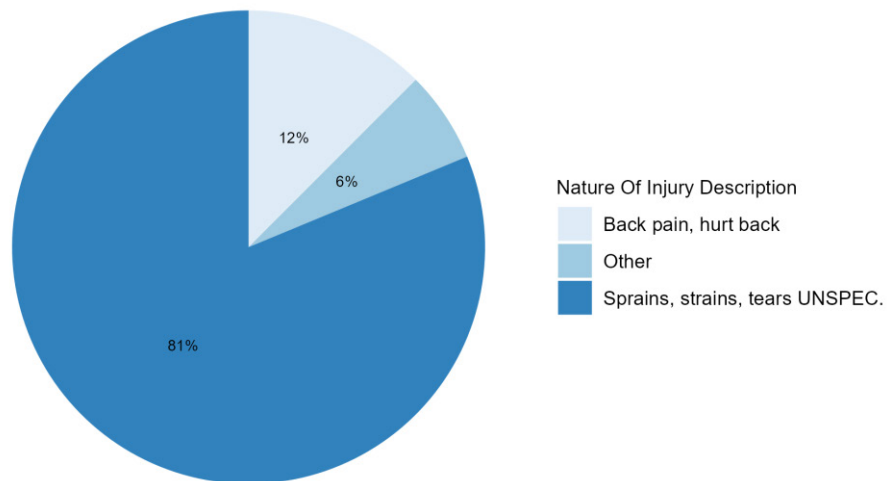
Retail Meat Cutter



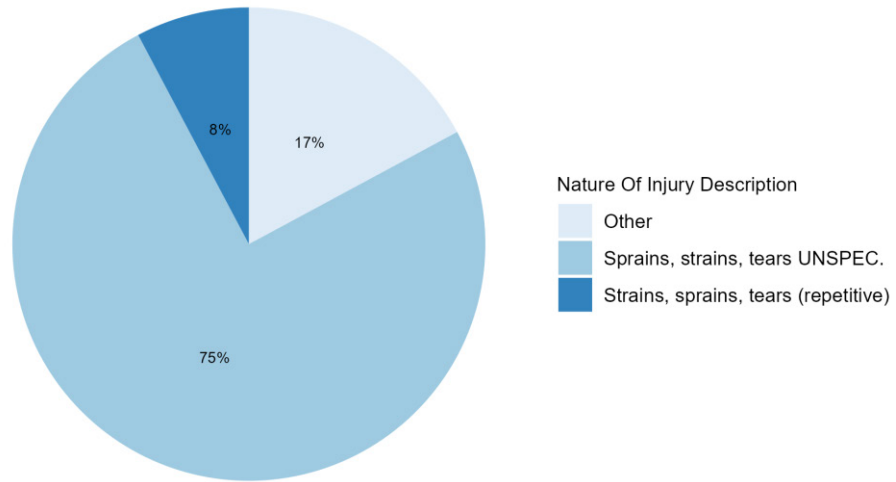
Saddlery



Special Events Coordinator

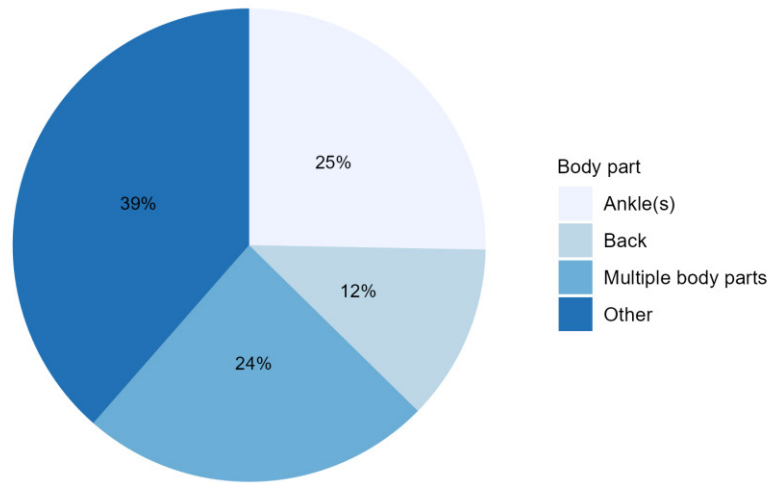


Utility Arborist

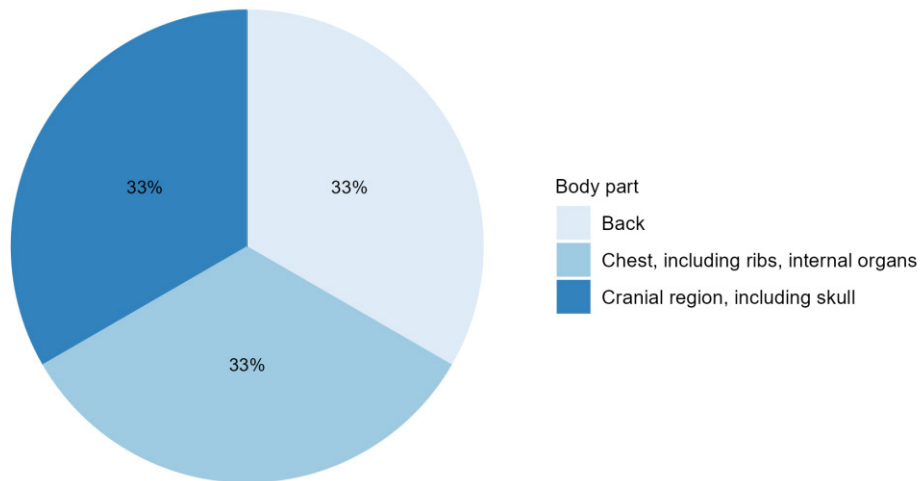


Section 8: Breakdown of *fall to lower level* claims by body part

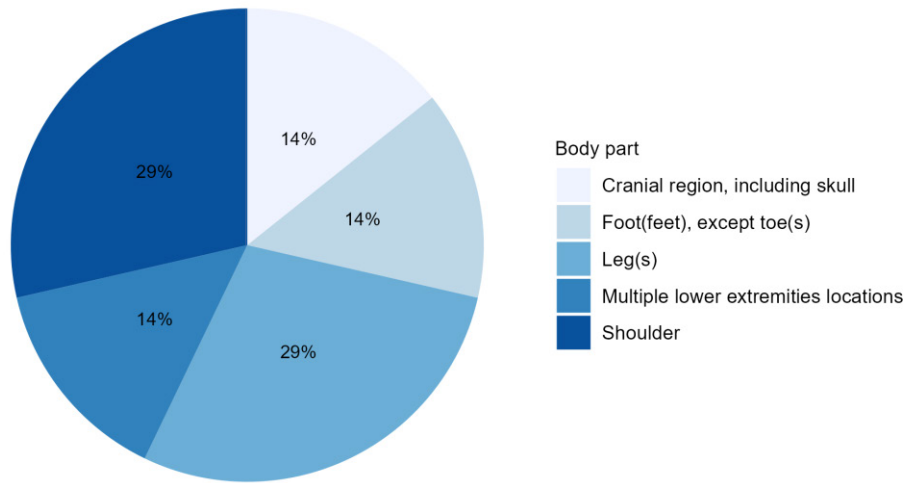
Aboriginal Child Development Practitioner



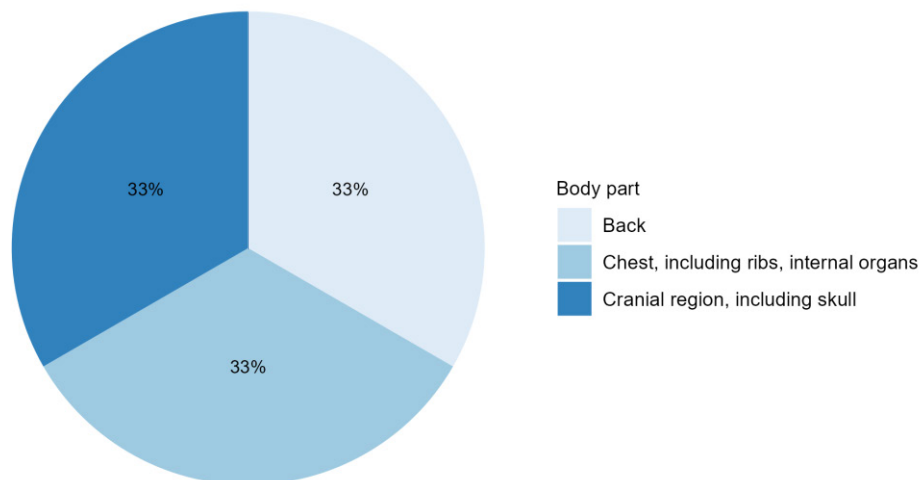
Agricultural - Dairy Herdperson



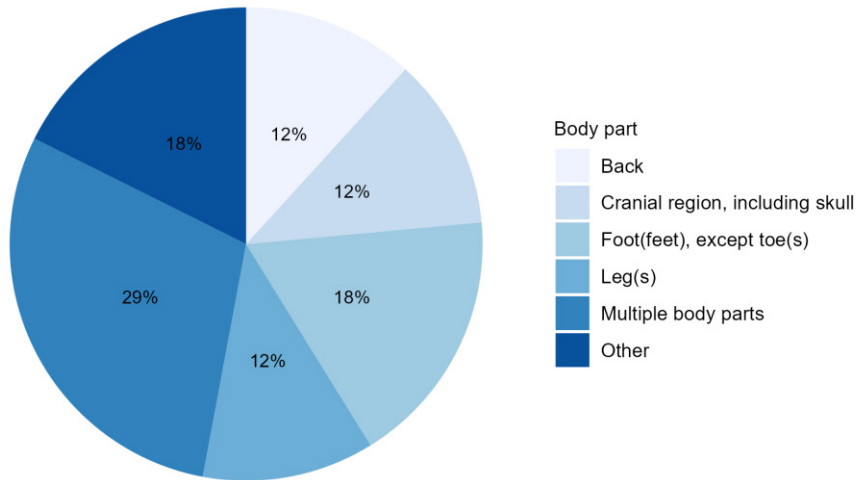
Agricultural - Fruit Grower



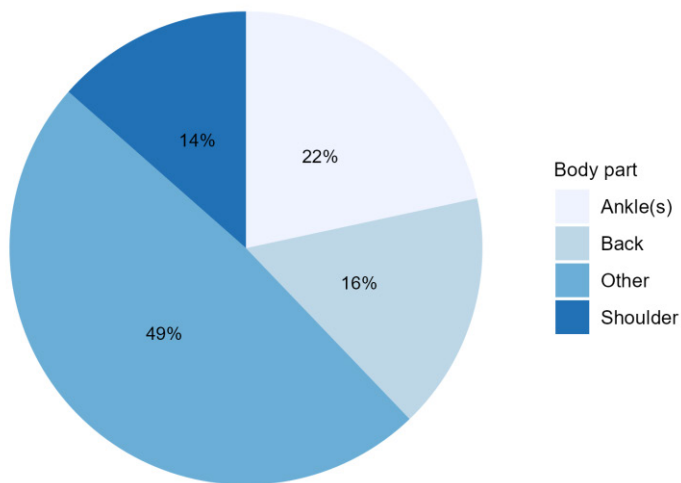
Agricultural - Swine Herdperson



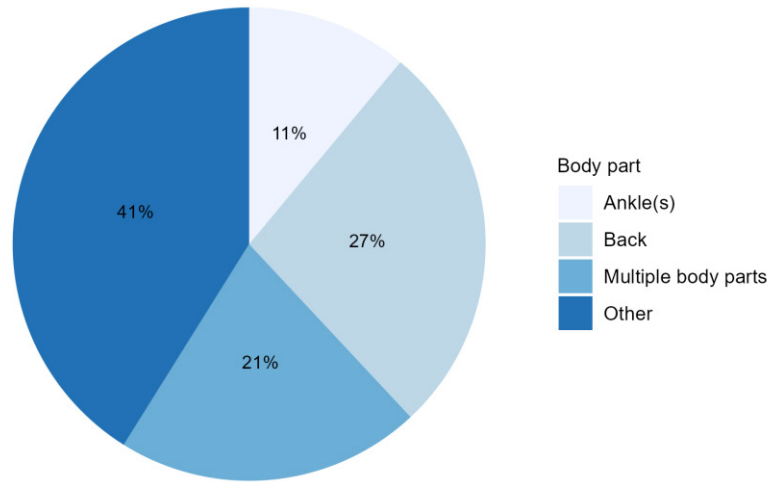
Appliance Service Technician



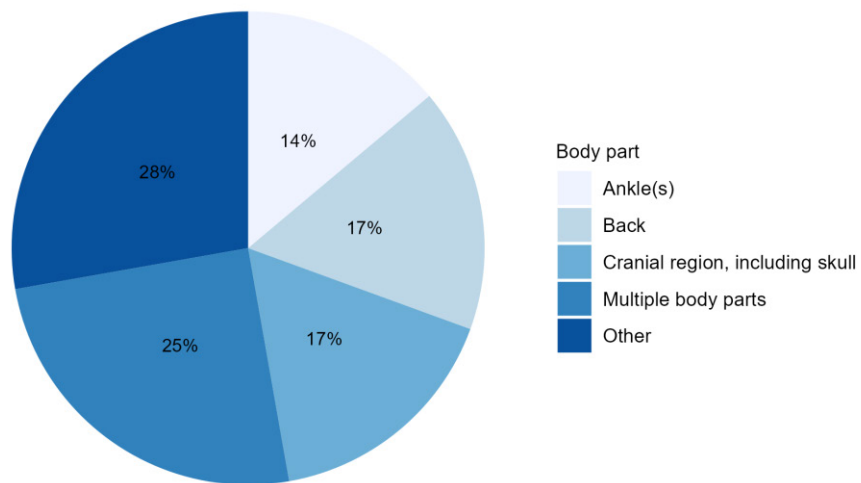
Arborist



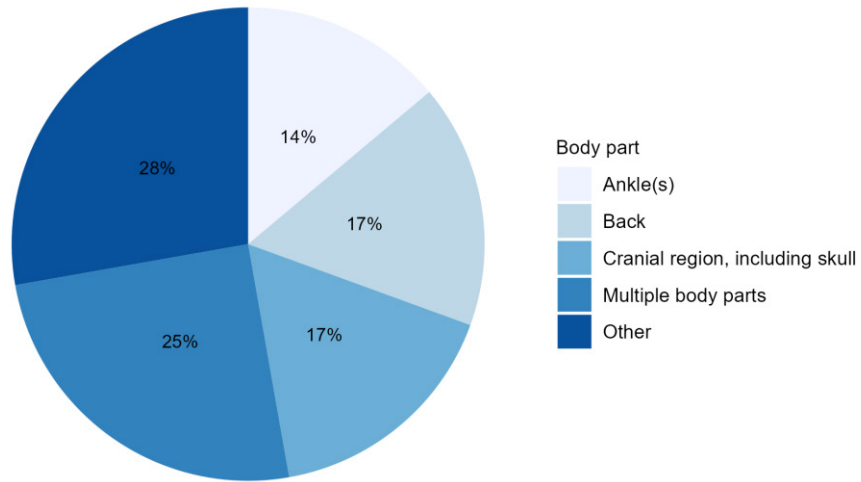
Assistant Cook



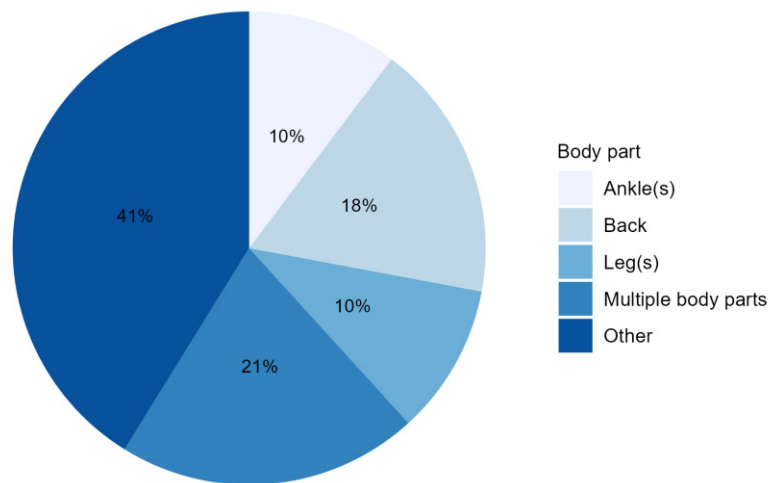
Baker



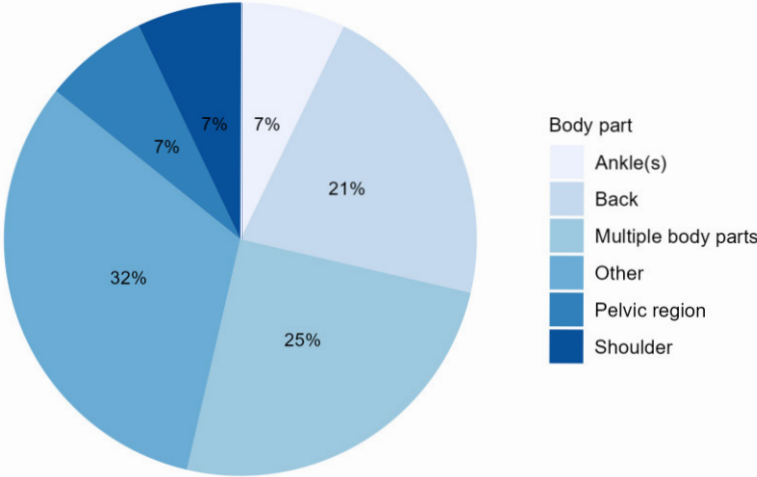
Baker-Patissier



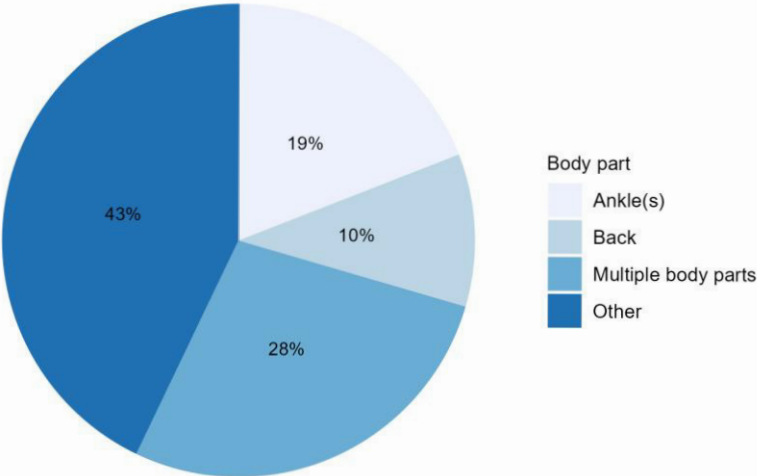
Bicycle Mechanic



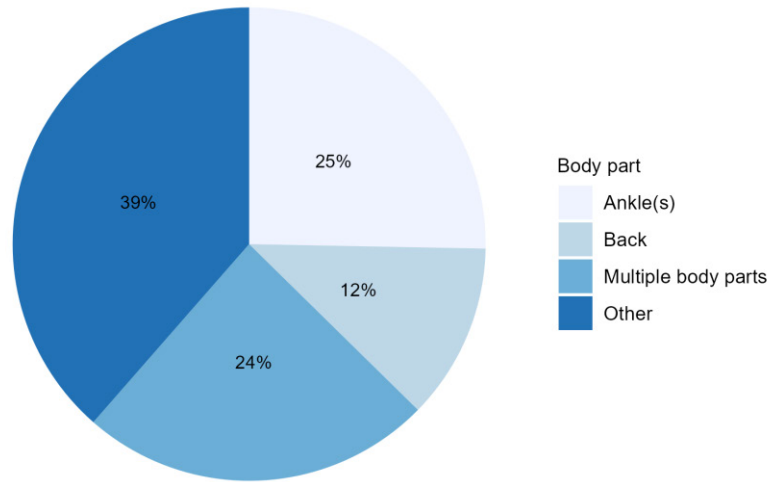
Chef



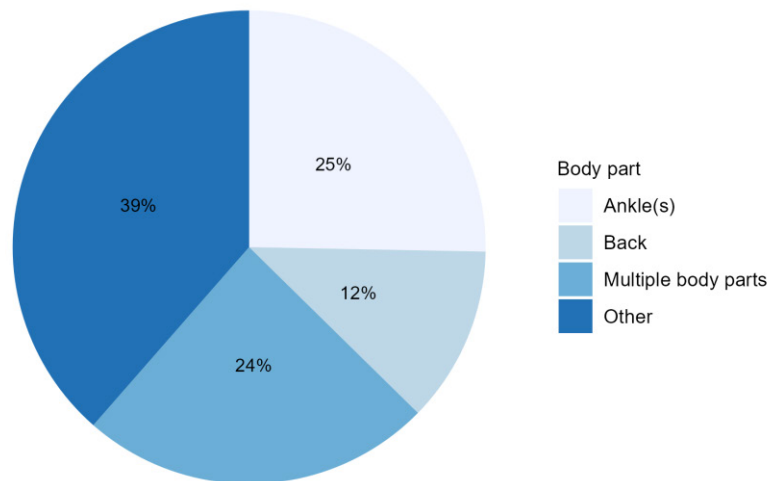
Child and Youth Worker



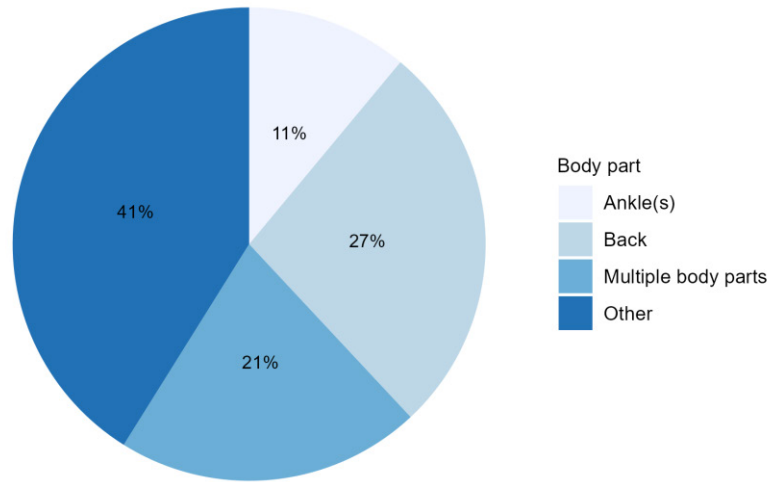
Child Development Practitioner - Inclusion Practices



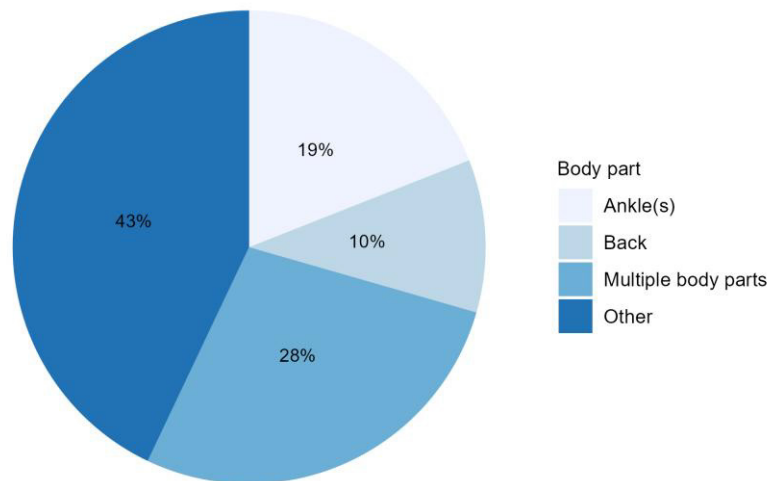
Child Development Practitioner



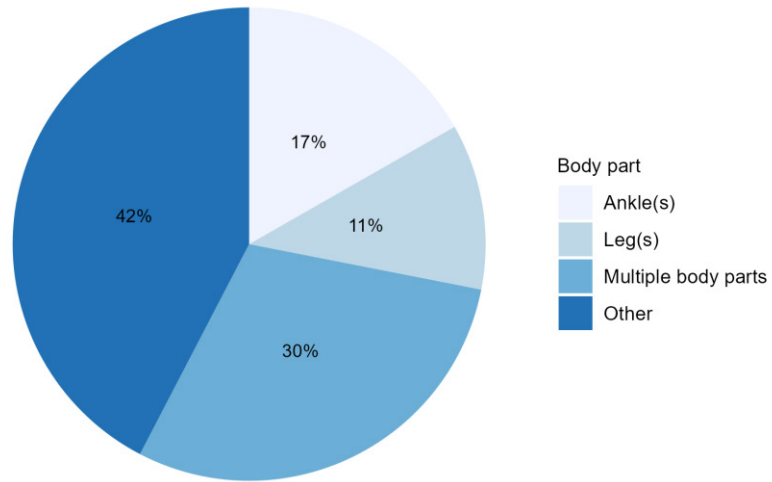
Cook



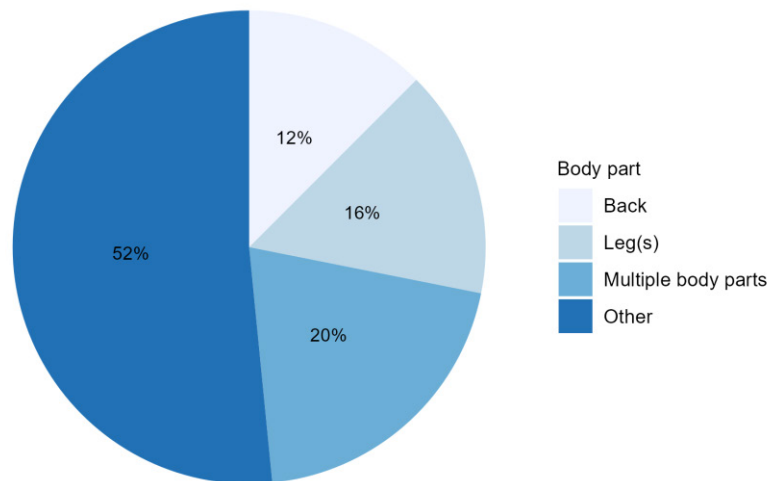
Developmental Services Worker



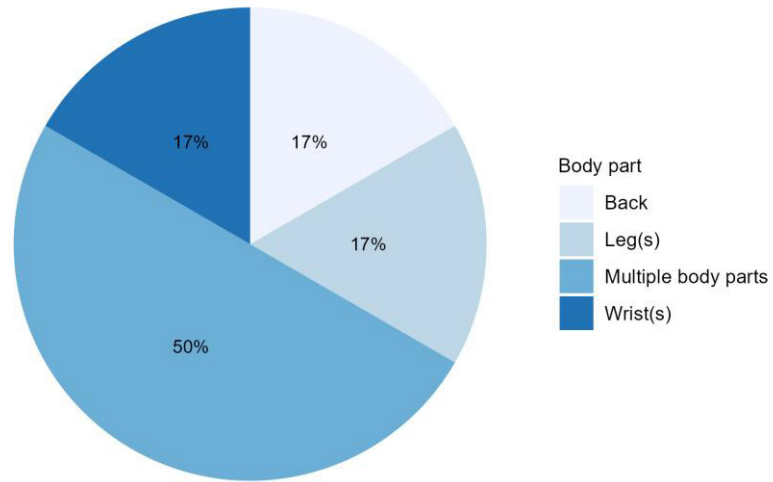
Educational Assistant



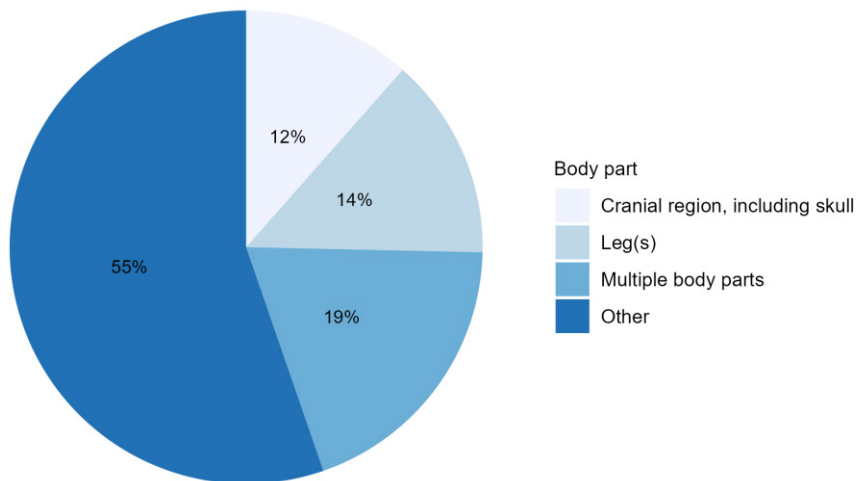
Electronic Service Technician



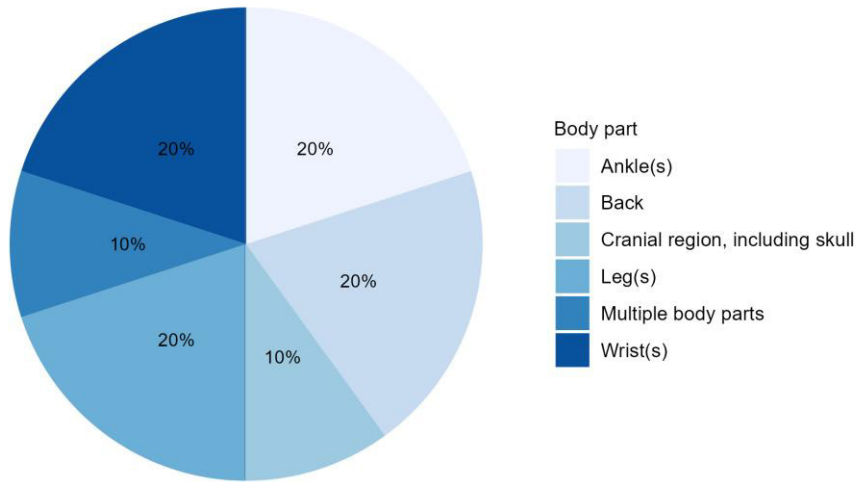
Hairstylist



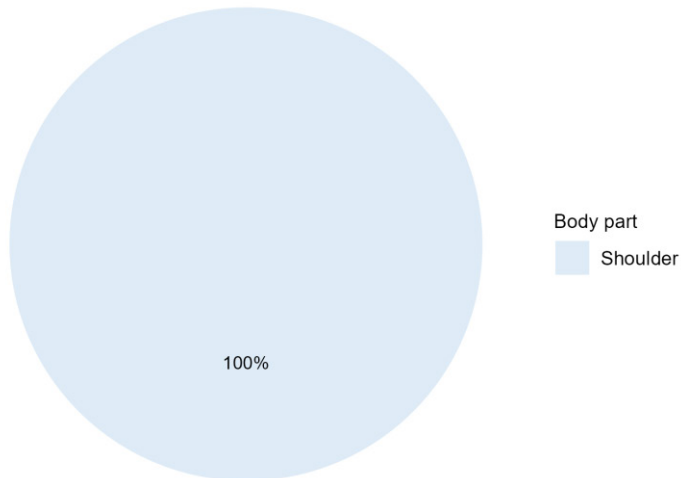
Hardware, Lumber and Building Materials Retailer



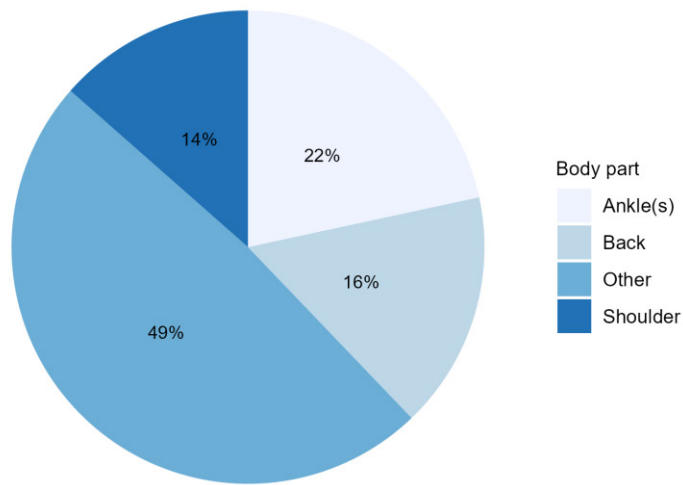
Horse Groom



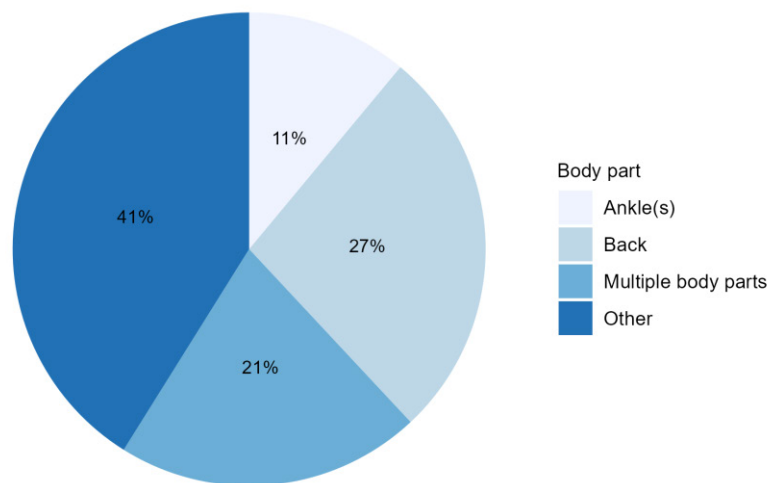
Horse Harness Maker



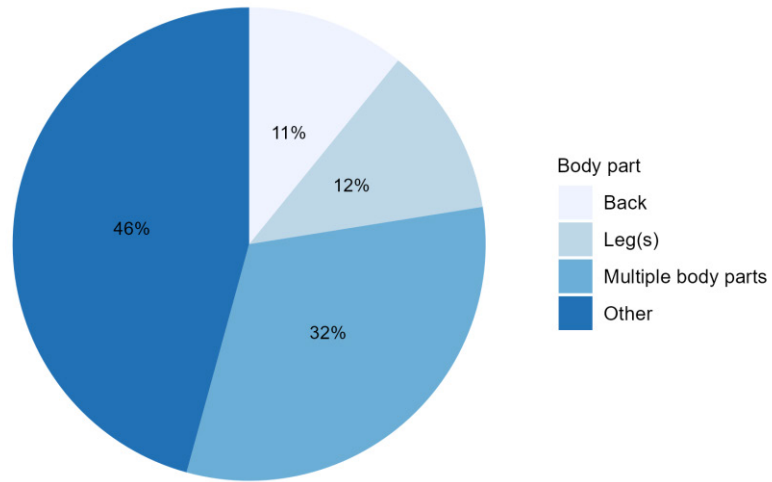
Horticultural Technician



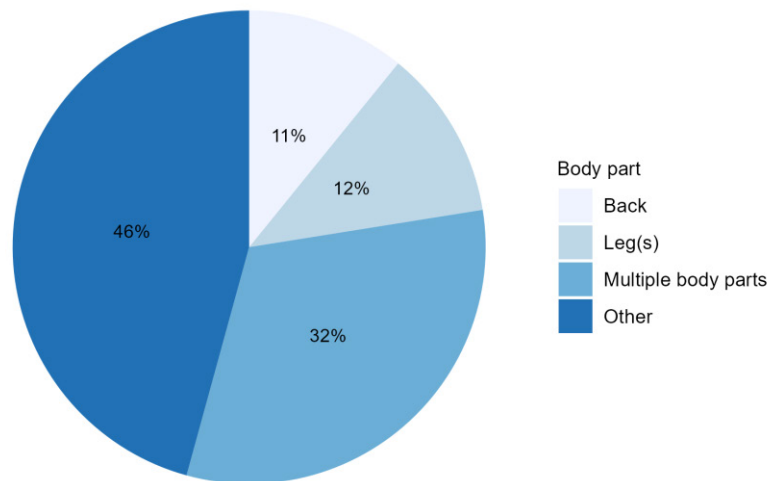
Institutional Cook



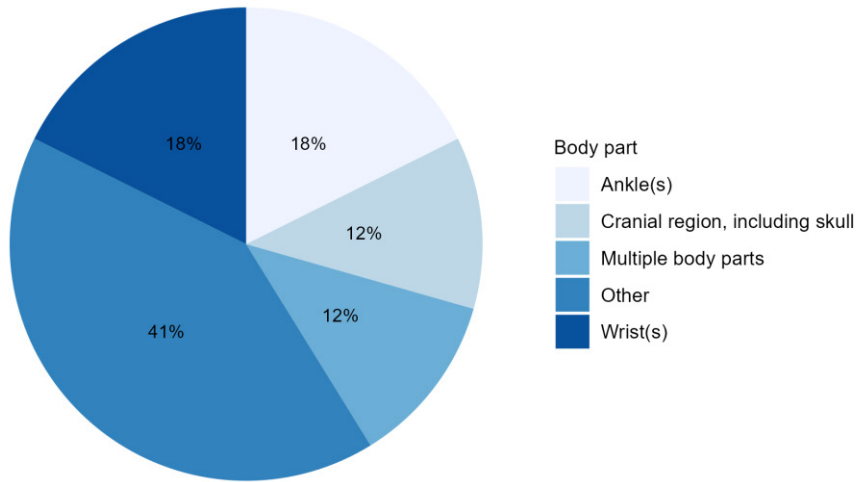
IT - Contact Centre Customer Service Agent



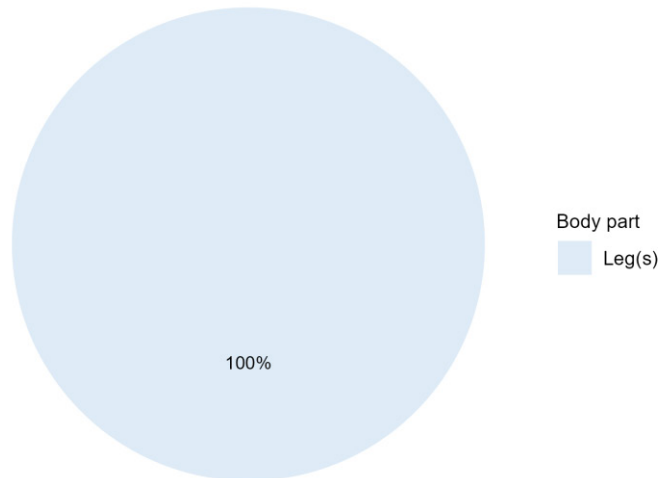
IT - Contact Centre Sales Agent



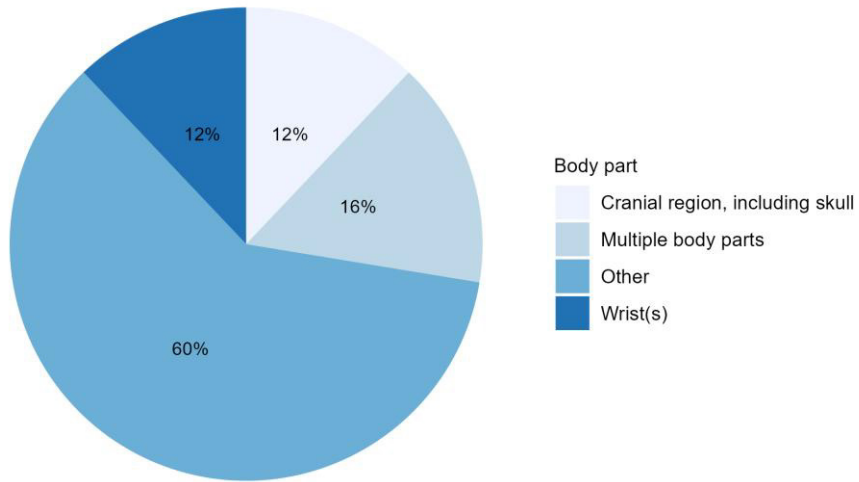
Micro Electronics Manufacturer



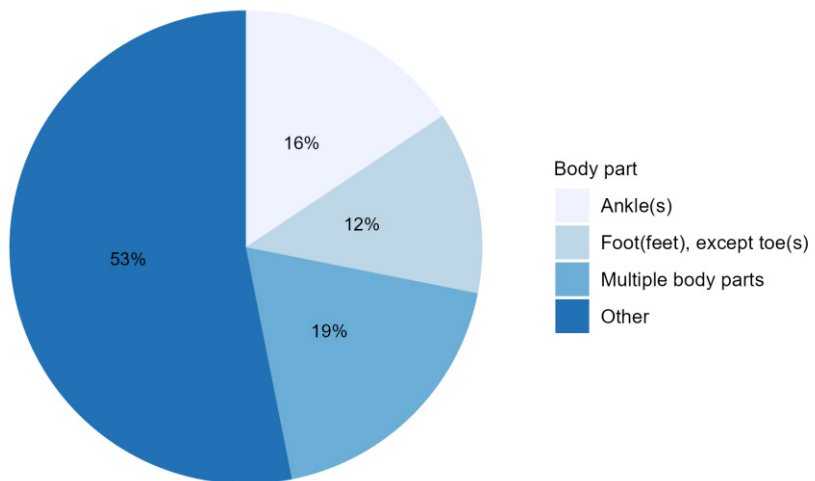
Native Clothing and Crafts Artisan



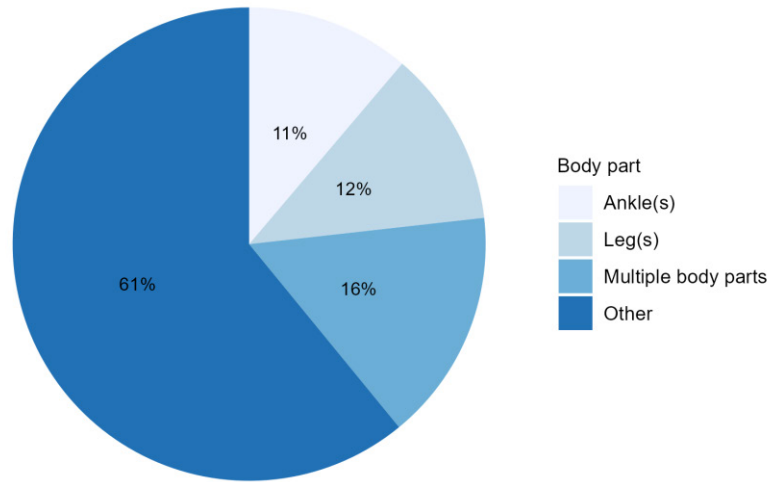
Network Cabling Specialist



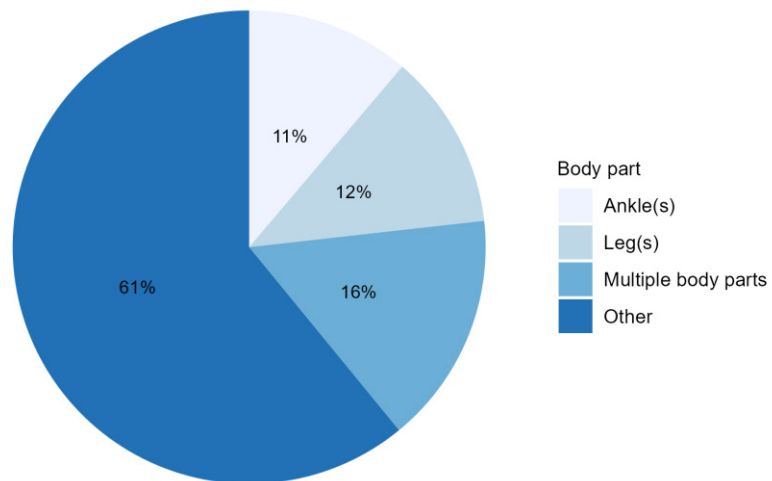
Parts Technician



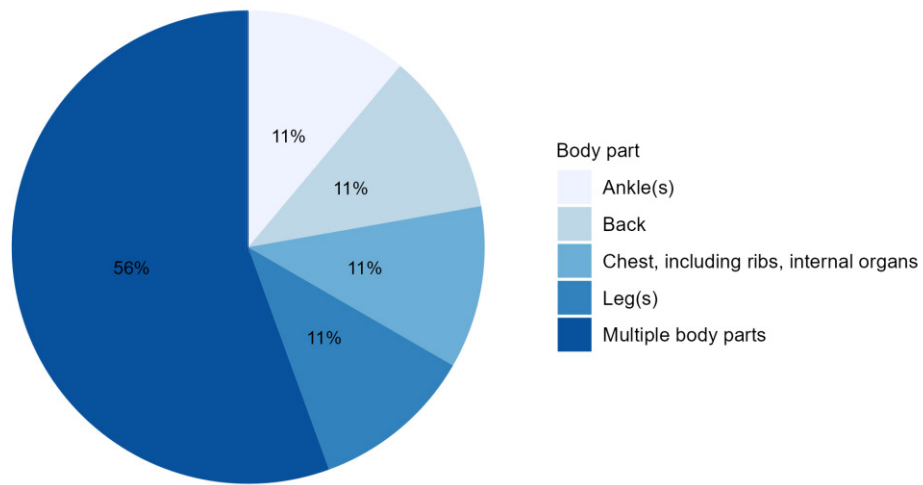
Pool, Hot Tub and Spa - Installer



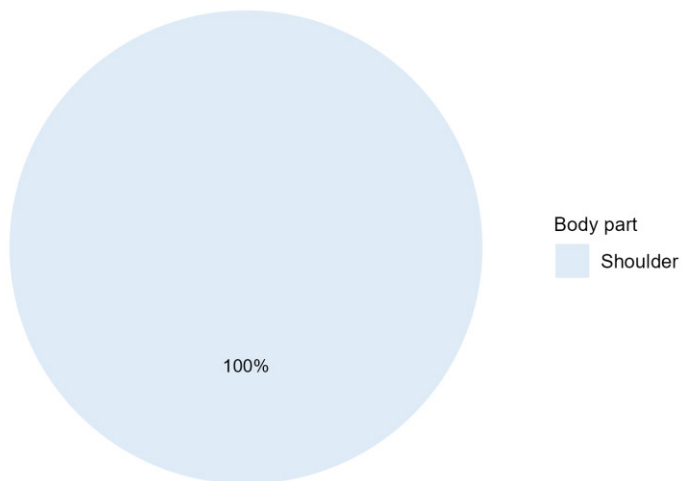
Pool, Hot Tub and Spa - Service Technician



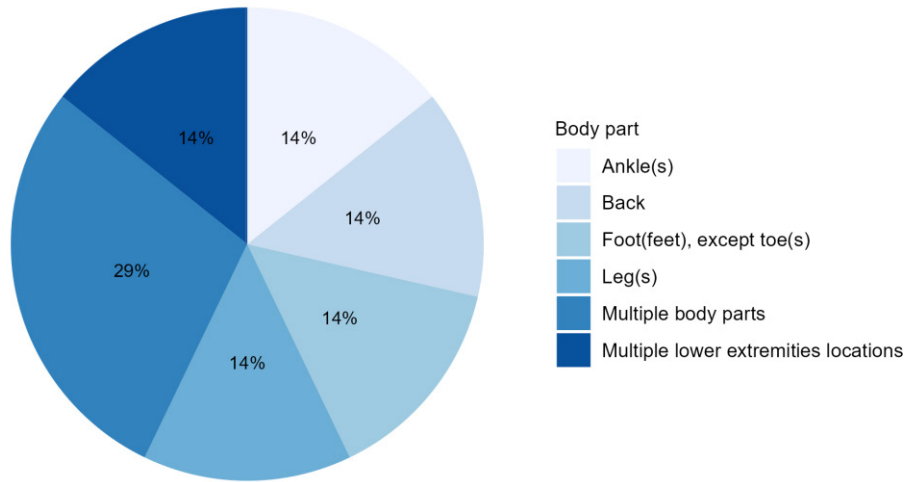
Retail Meat Cutter



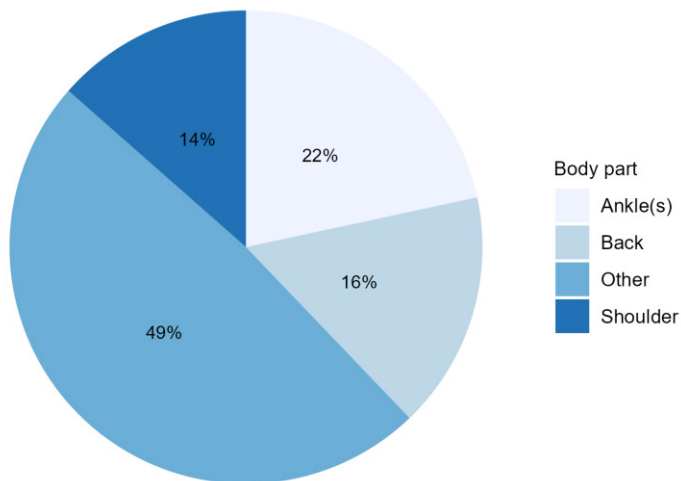
Saddlery



Special Events Coordinator

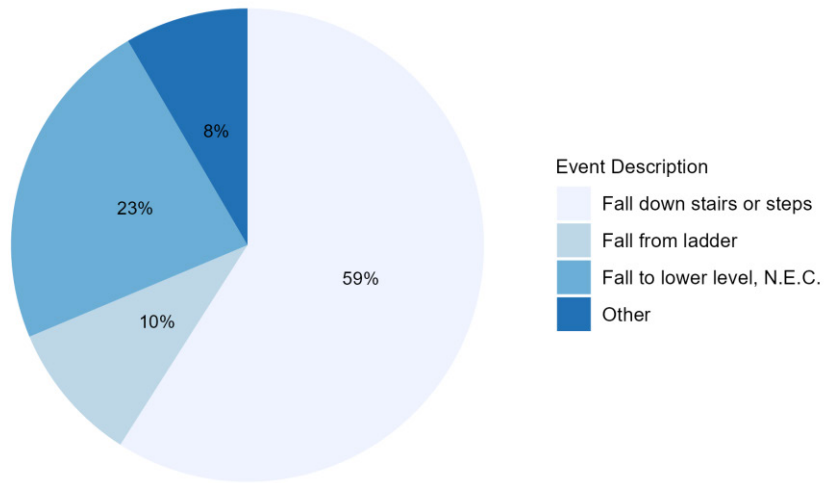


Utility Arborist

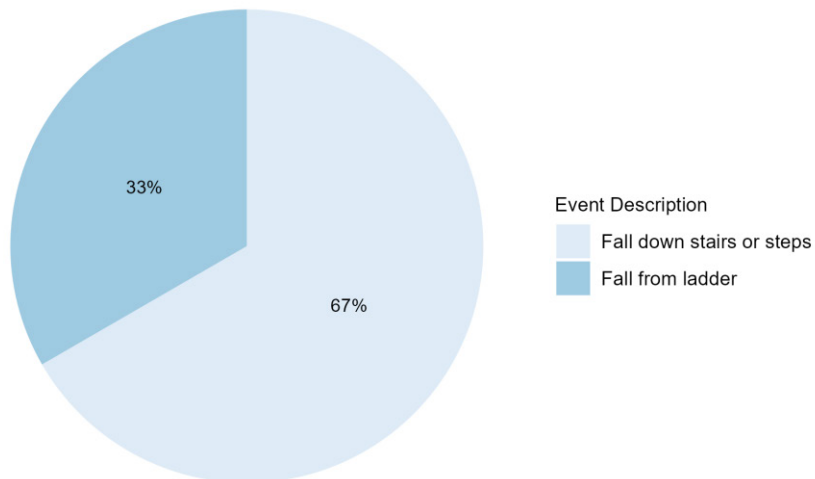


Section 9: Breakdown of *fall to lower level* claims by Event Description

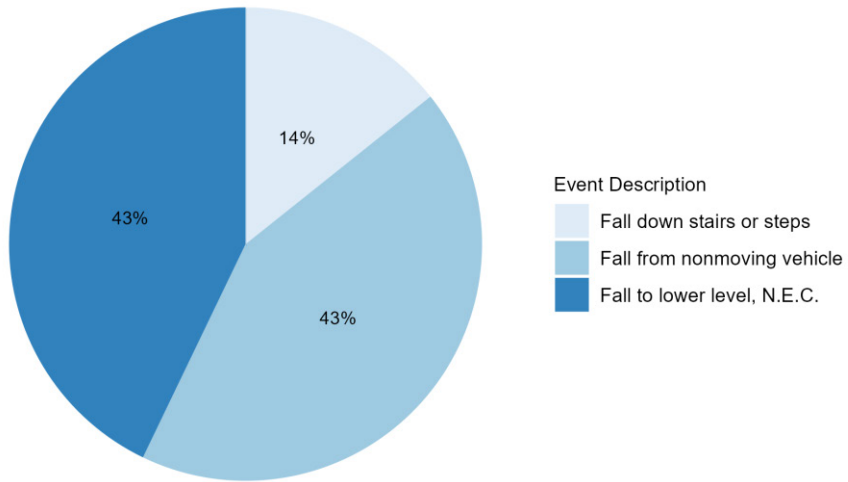
Aboriginal Child Development Practitioner



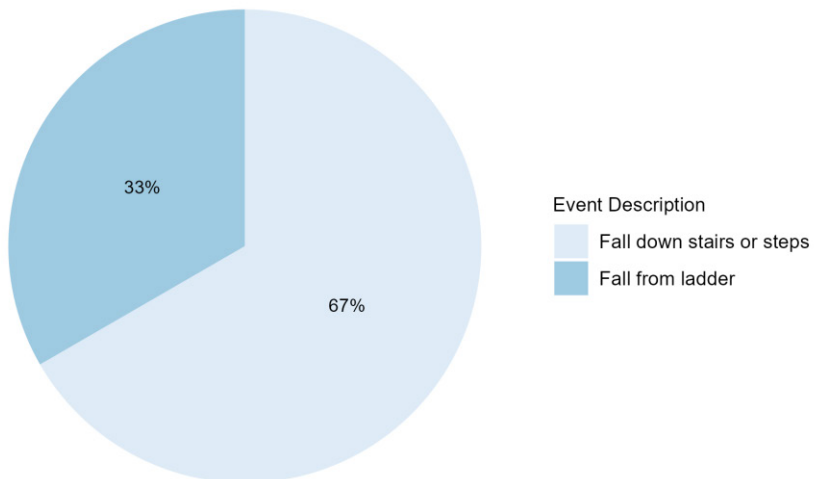
Agricultural - Dairy Herdsperson



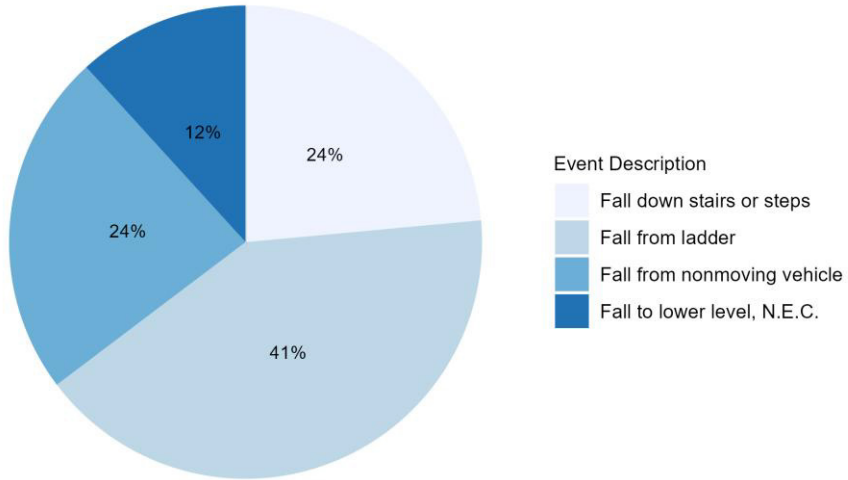
Agricultural - Fruit Grower



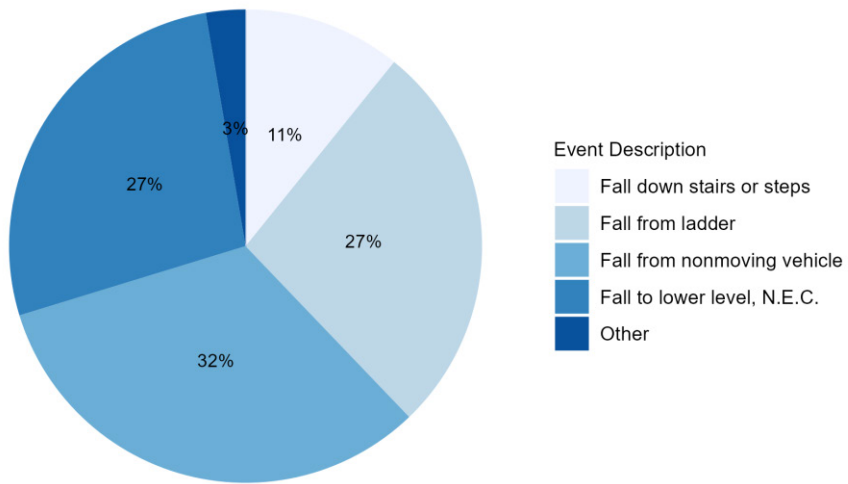
Agricultural - Swine Herdperson



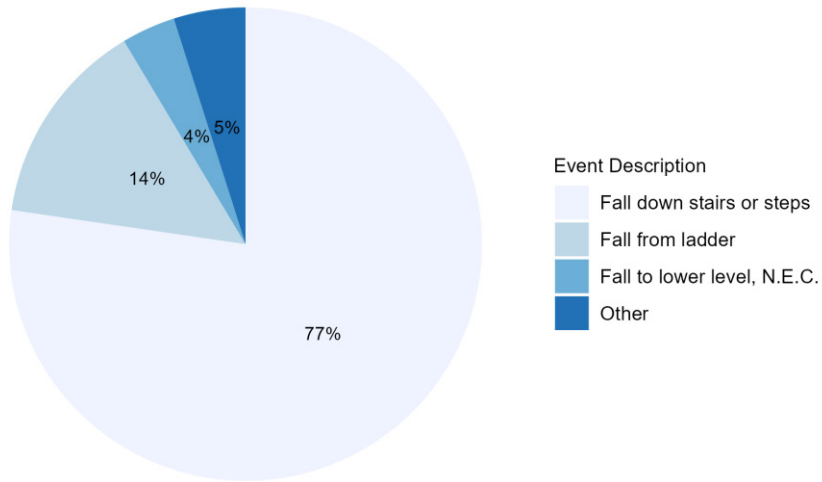
Appliance Service Technician



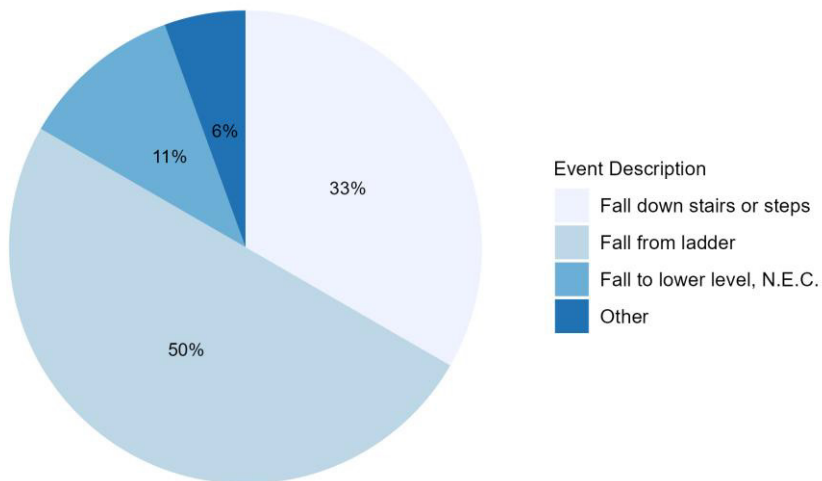
Arborist



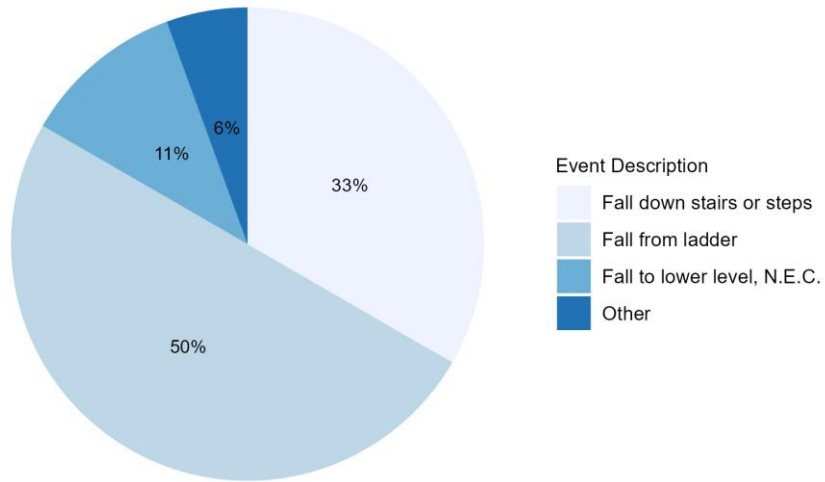
Assistant Cook



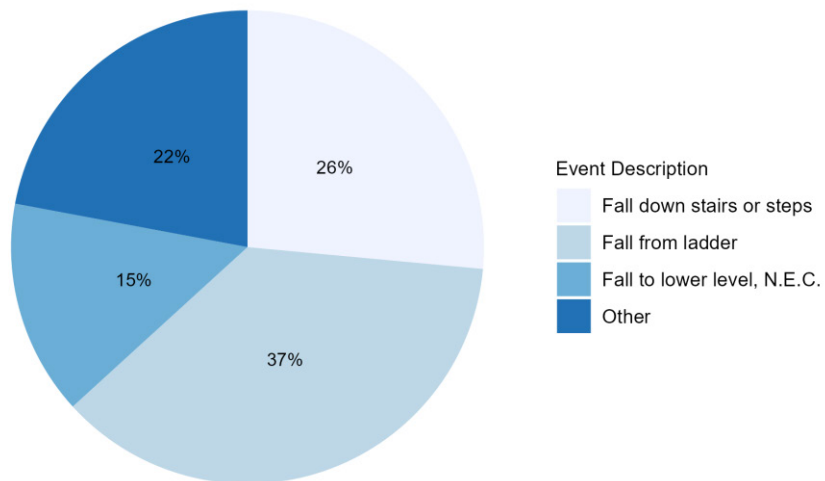
Baker



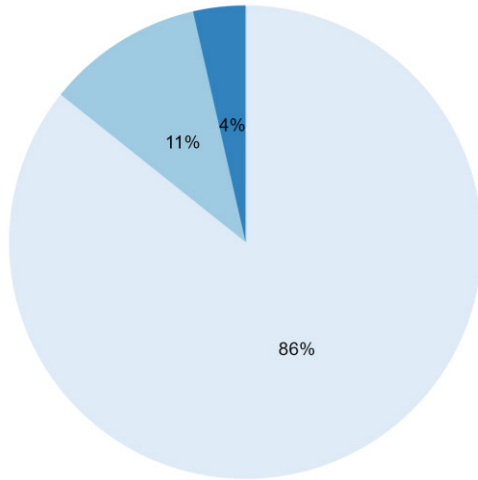
Baker-Patissier



Bicycle Mechanic



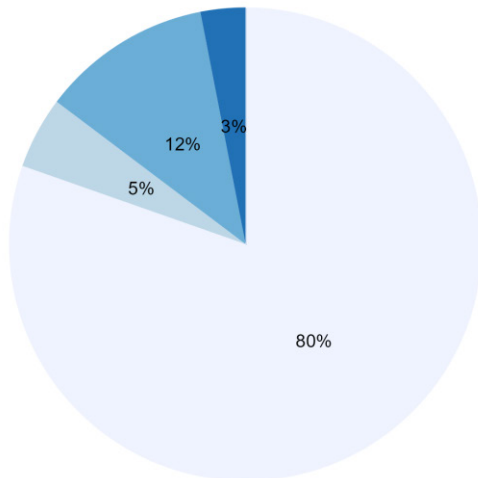
Chef



Event Description

- Fall down stairs or steps
- Fall from ladder
- Fall from nonmoving vehicle

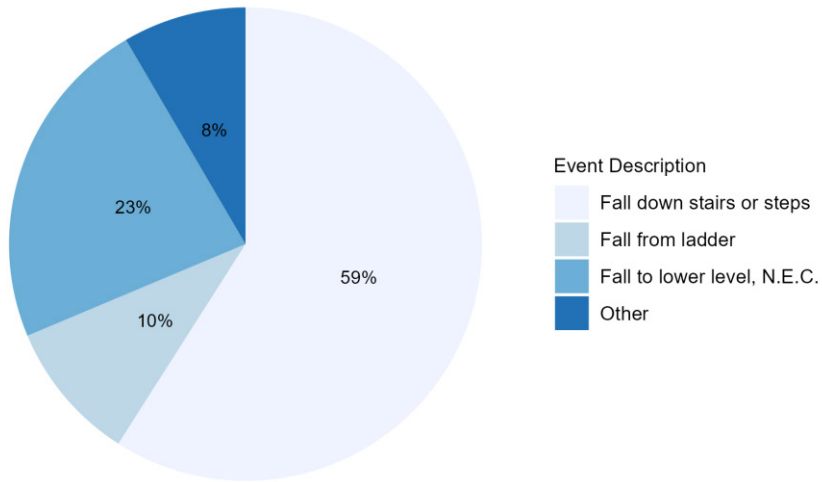
Child and Youth Worker



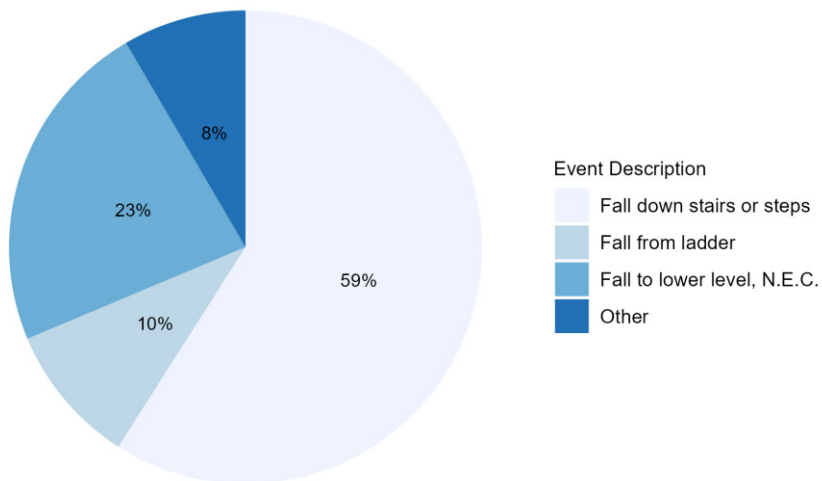
Event Description

- Fall down stairs or steps
- Fall from nonmoving vehicle
- Fall to lower level, N.E.C.
- Other

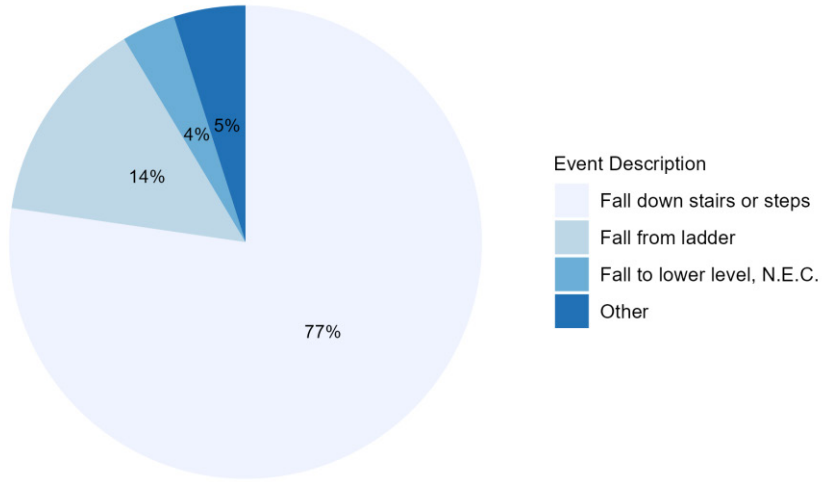
Child Development Practitioner - Inclusion Practices



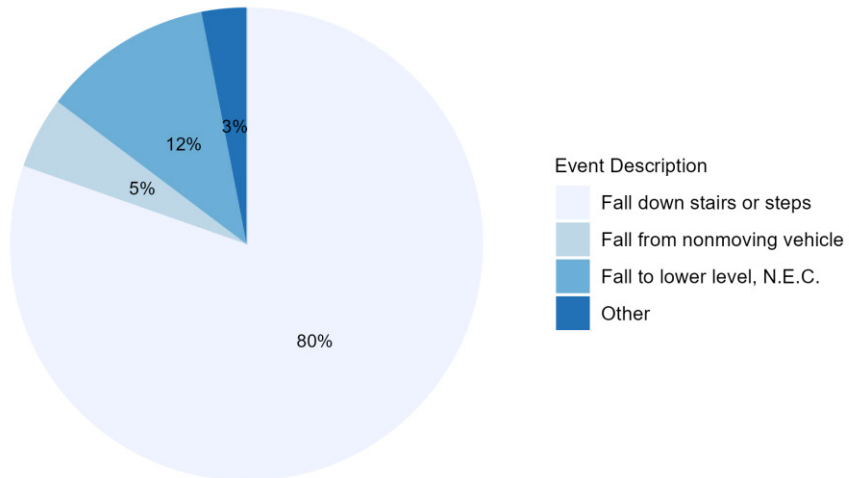
Child Development Practitioner



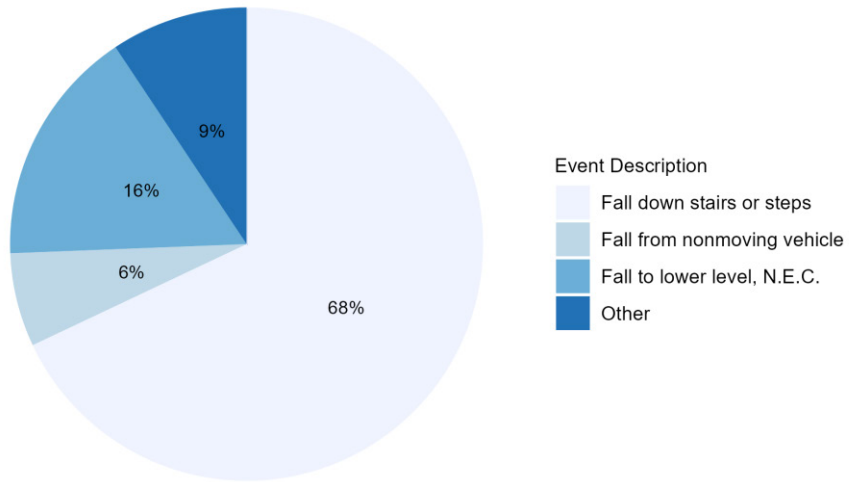
Cook



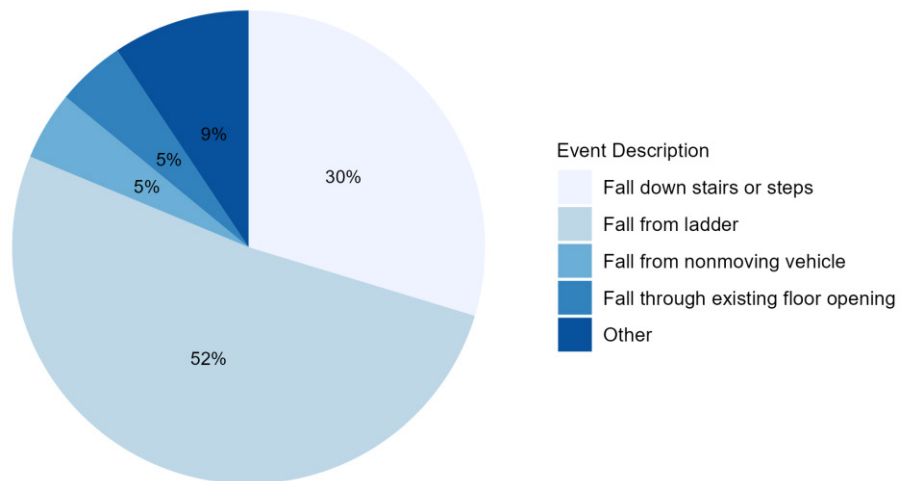
Developmental Services Worker



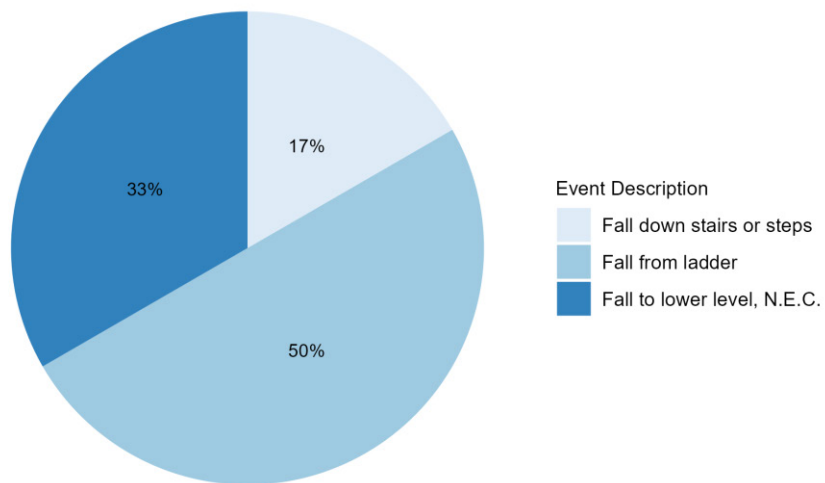
Educational Assistant



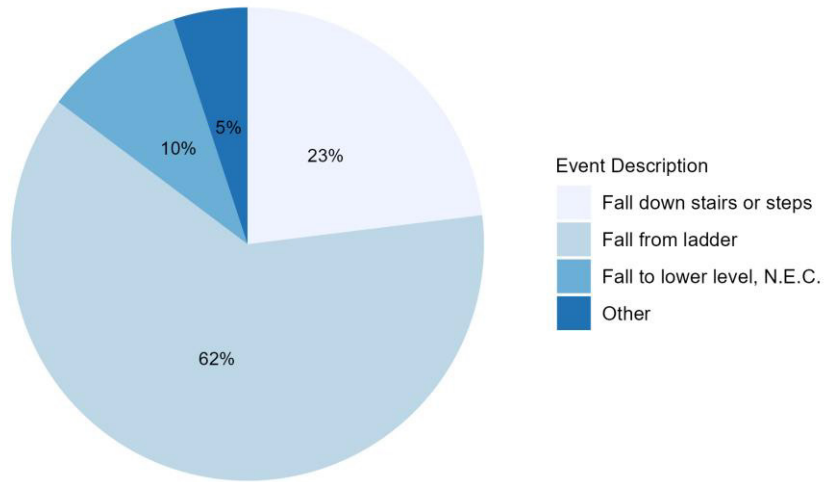
Electronic Service Technician



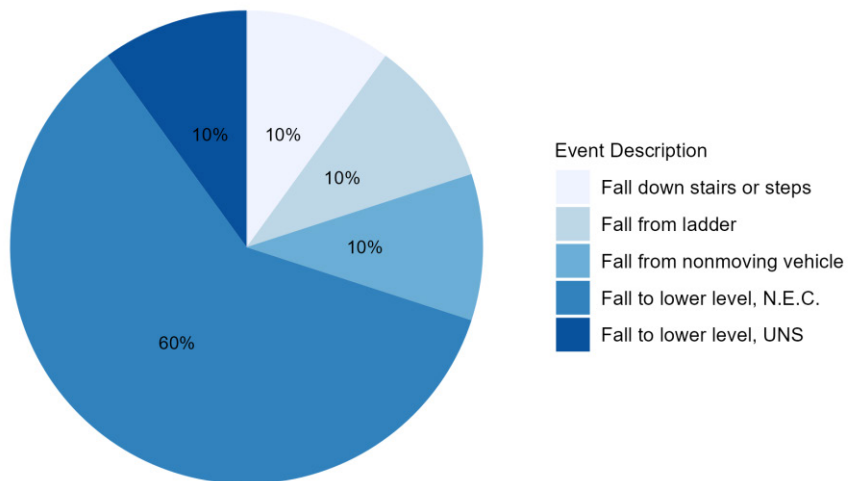
Hairstylist



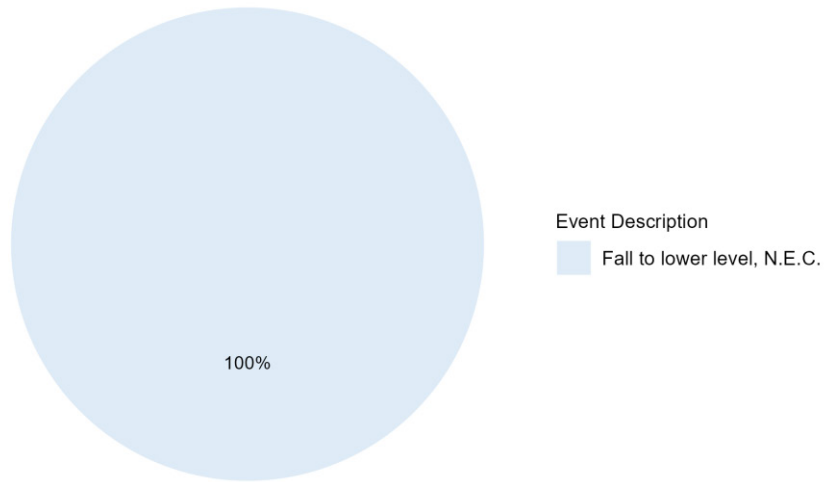
Hardware, Lumber and Building Materials Retailer



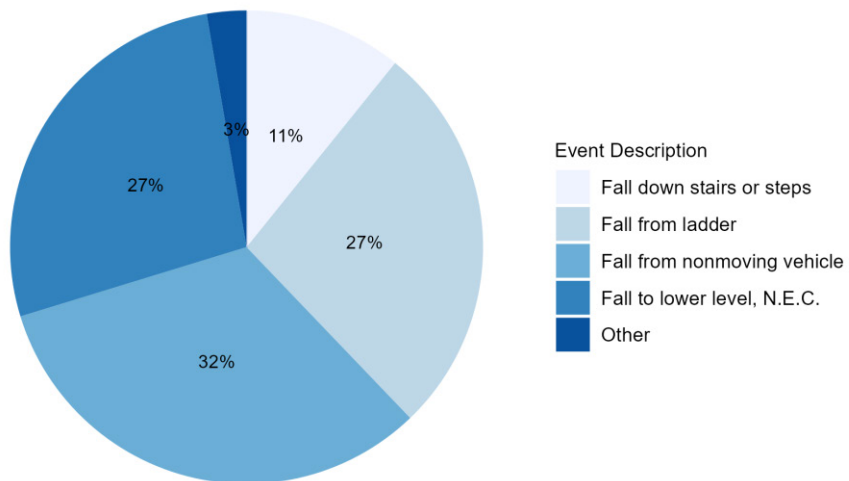
Horse Groom



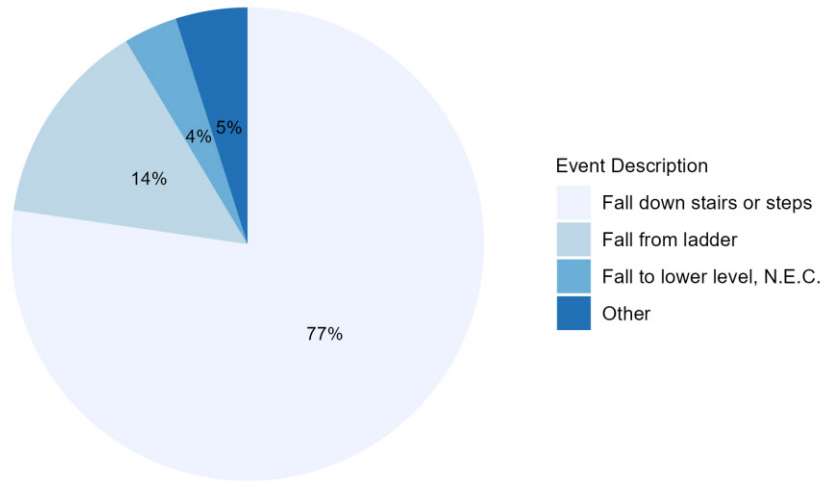
Horse Harness Maker



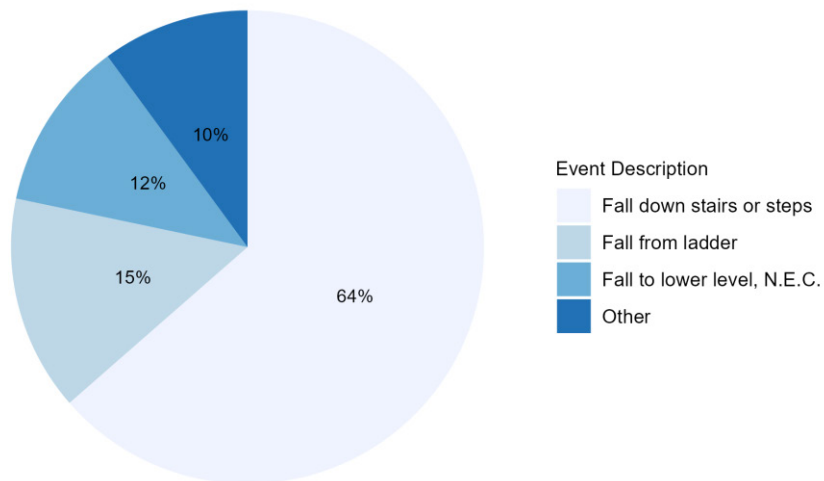
Horticultural Technician



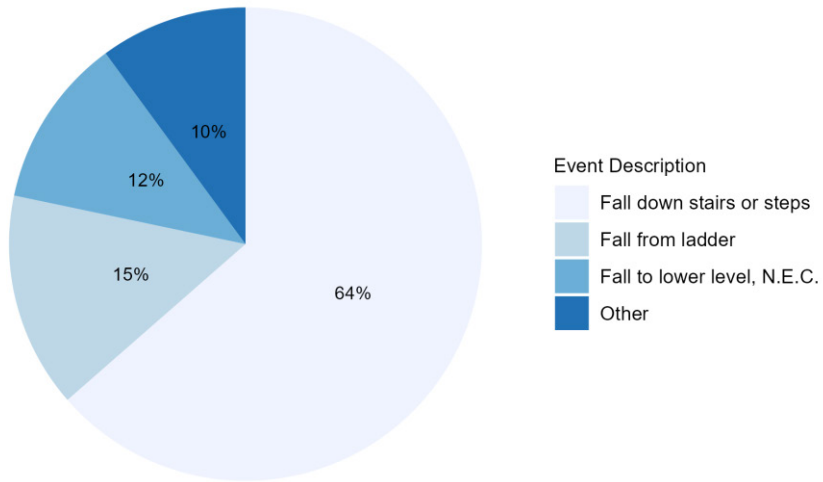
Institutional Cook



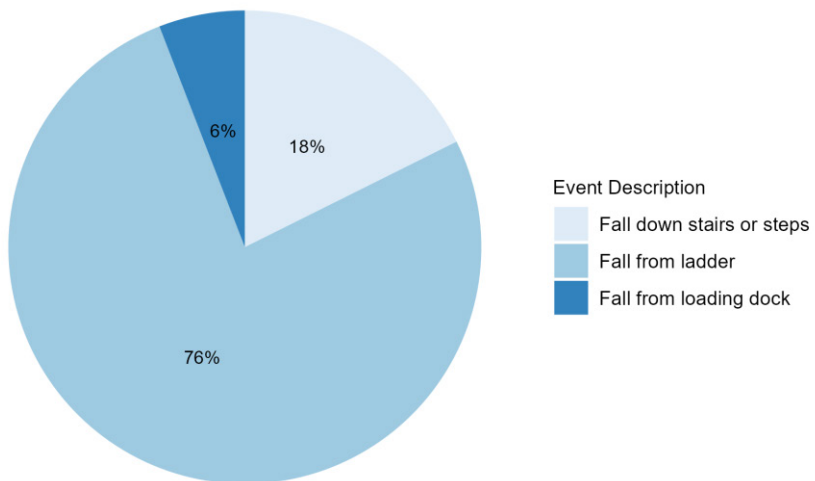
IT - Contact Centre Customer Service Agent



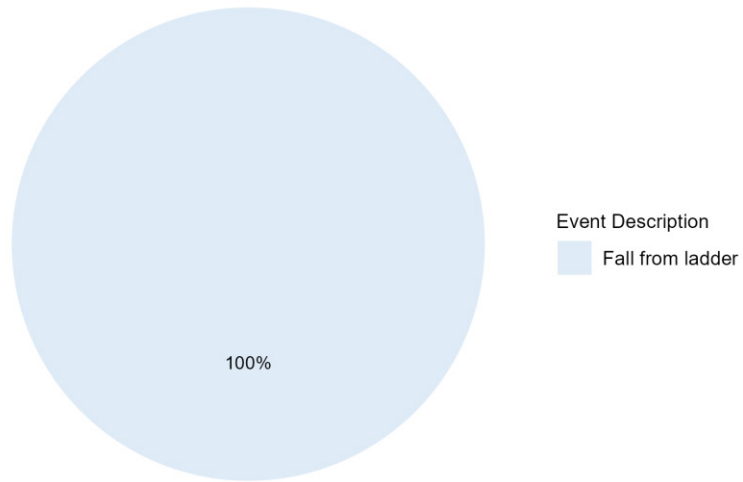
IT - Contact Centre Sales Agent



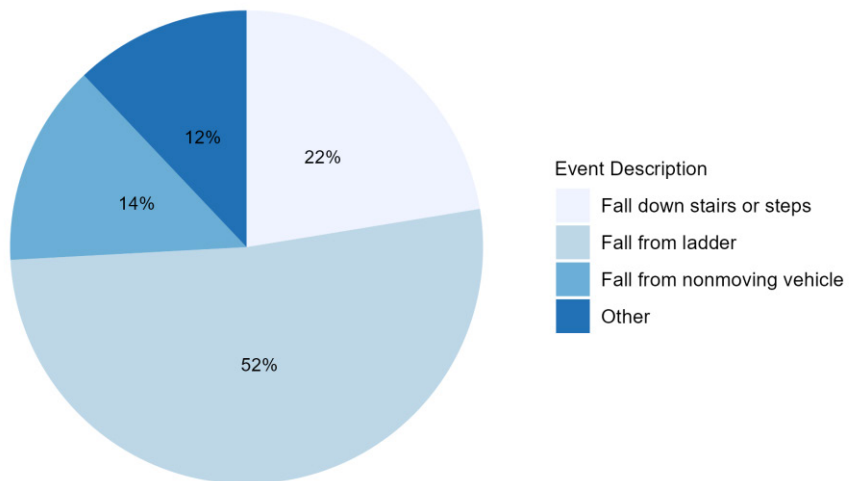
Micro Electronics Manufacturer



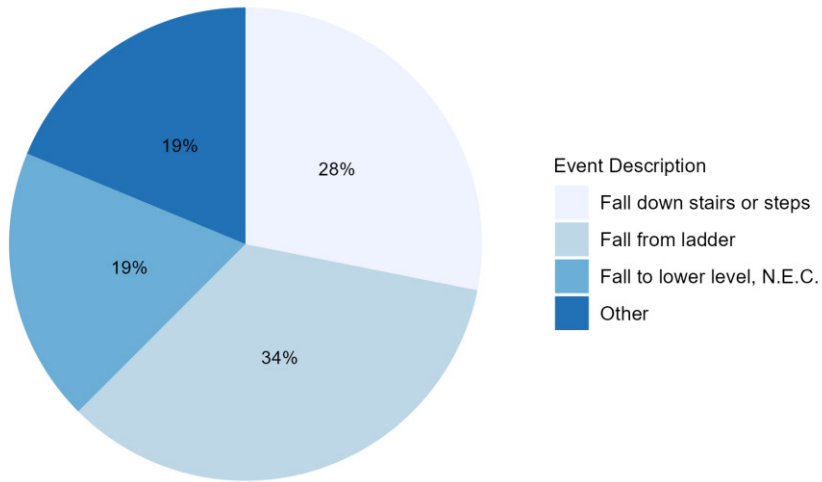
Native Clothing and Crafts Artisan



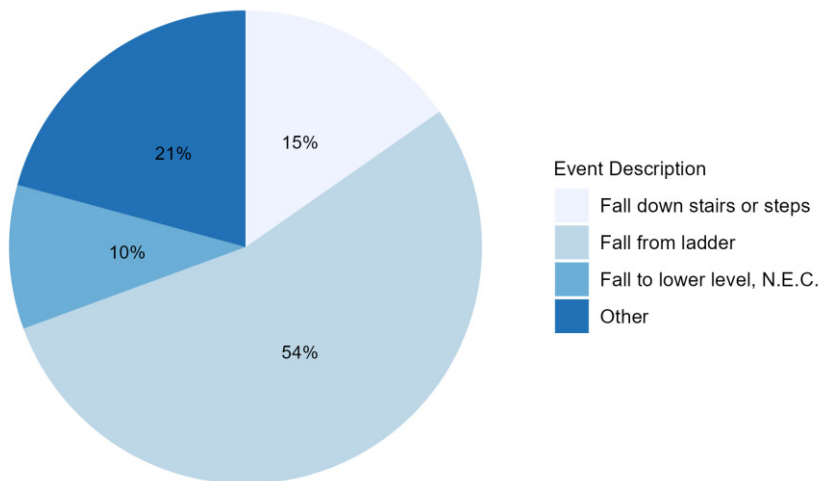
Network Cabling Specialist



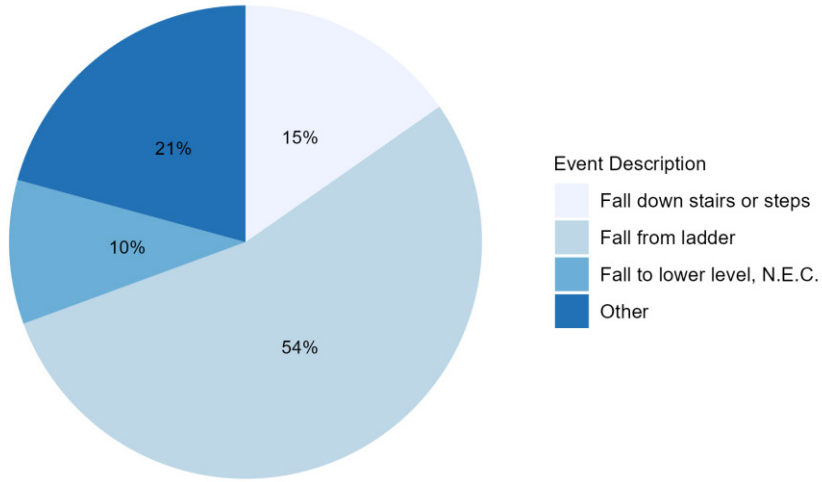
Parts Technician



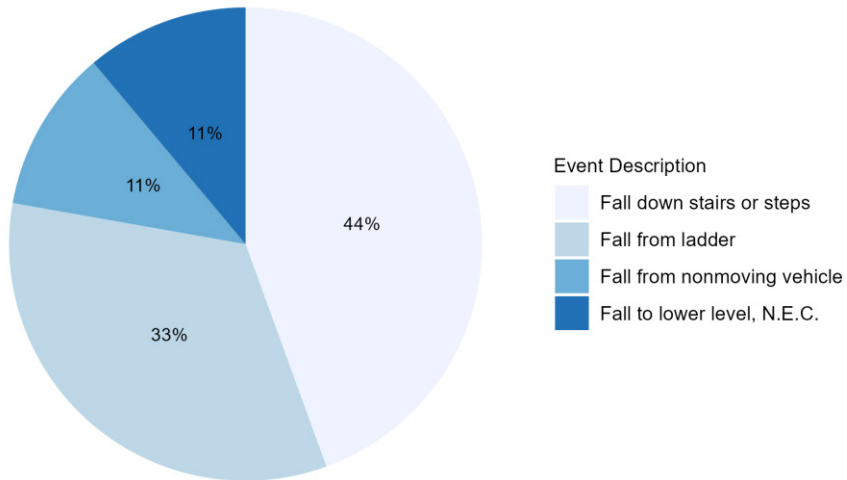
Pool, Hot Tub and Spa - Installer



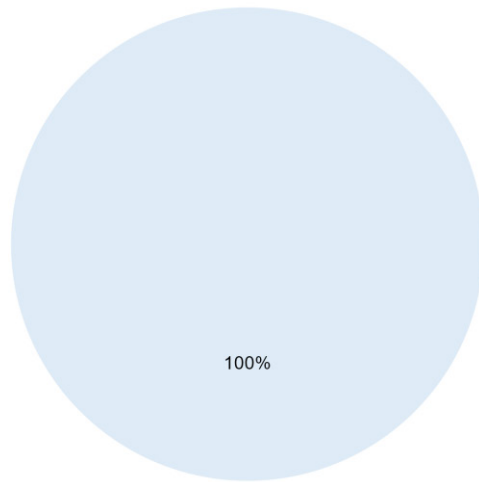
Pool, Hot Tub and Spa - Service Technician



Retail Meat Cutter



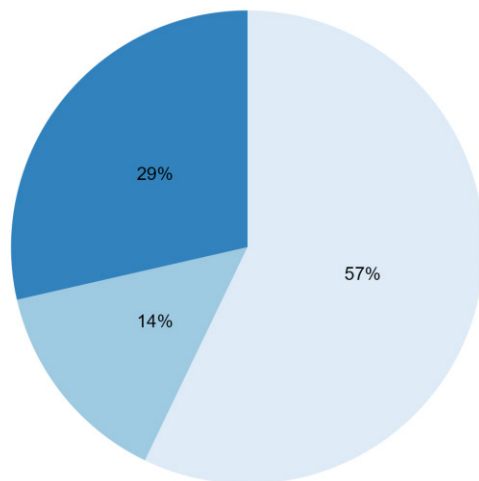
Saddlery



Event Description

- Fall to lower level, N.E.C.

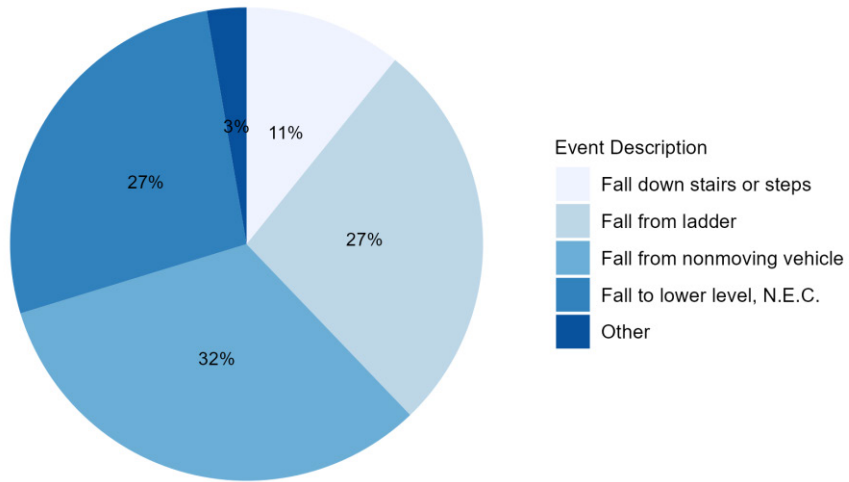
Special Events Coordinator



Event Description

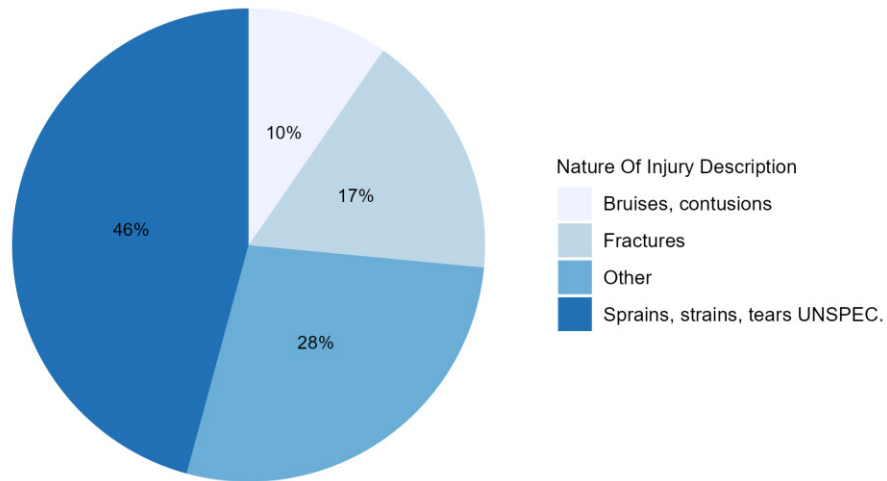
- Fall down stairs or steps
- Fall from ladder
- Fall to lower level, N.E.C.

Utility Arborist

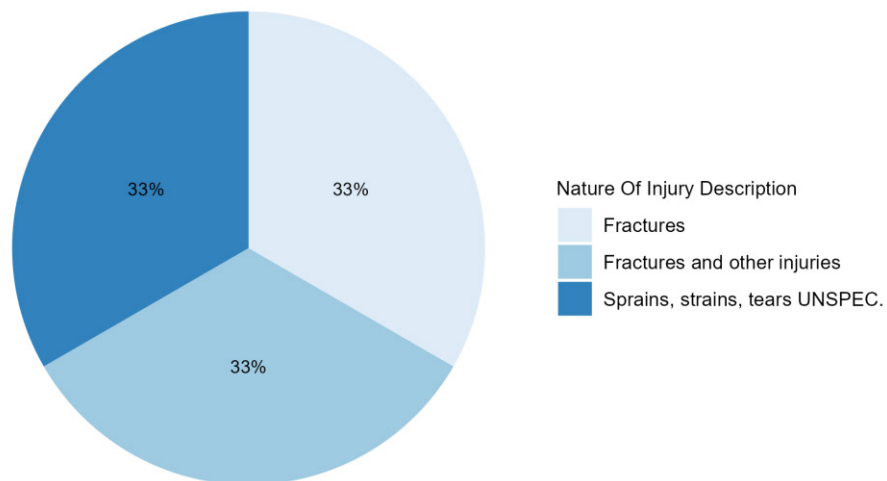


Section 10: Breakdown of *fall to lower level* claims by Nature of Injury Description

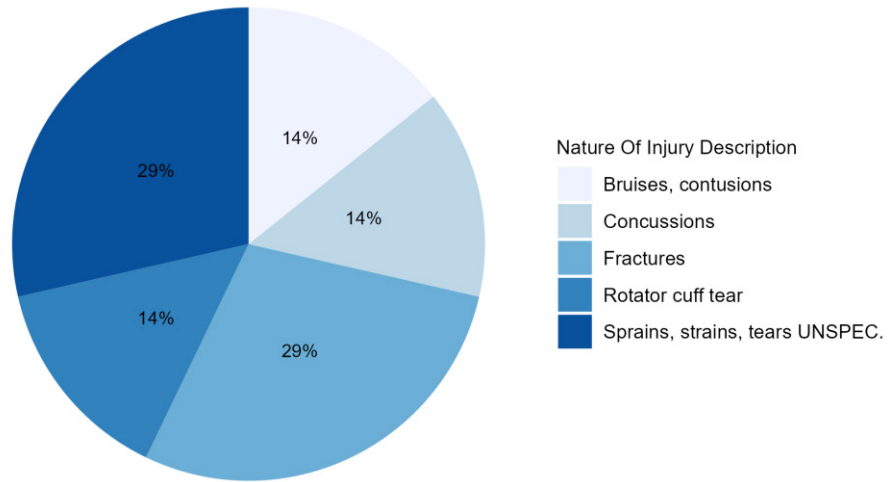
Aboriginal Child Development Practitioner



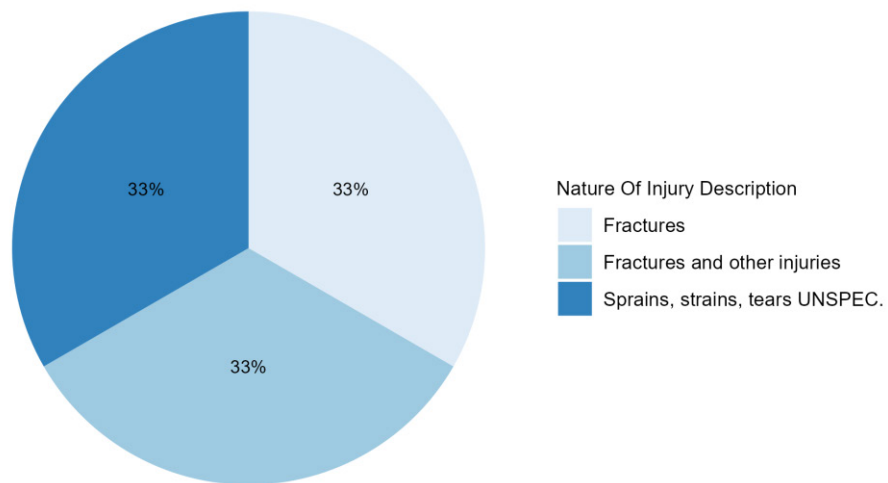
Agricultural - Dairy Herdsperson



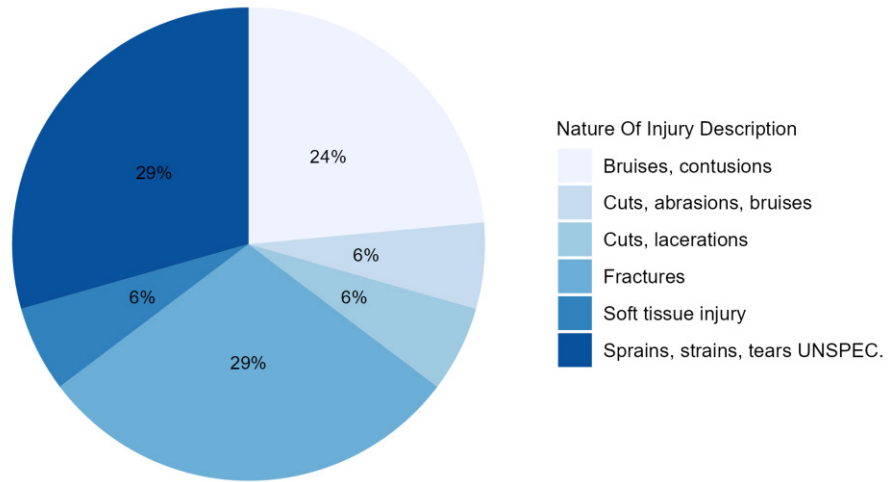
Agricultural - Fruit Grower



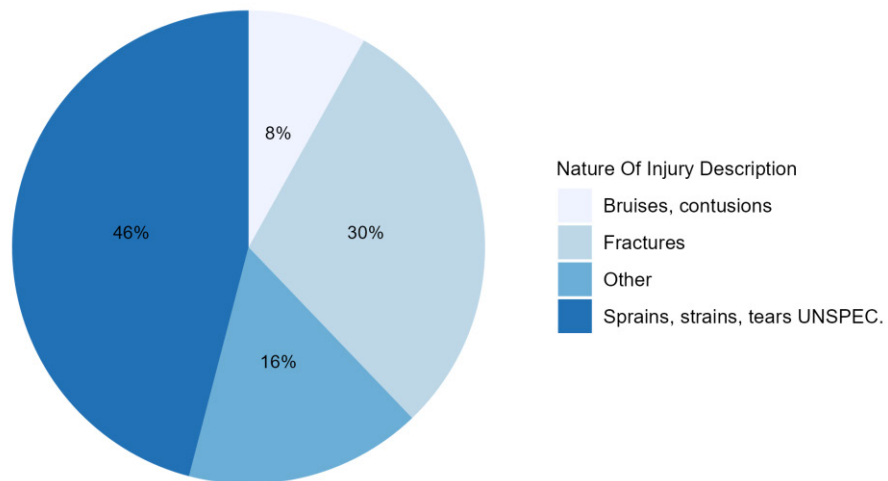
Agricultural - Swine Herdperson



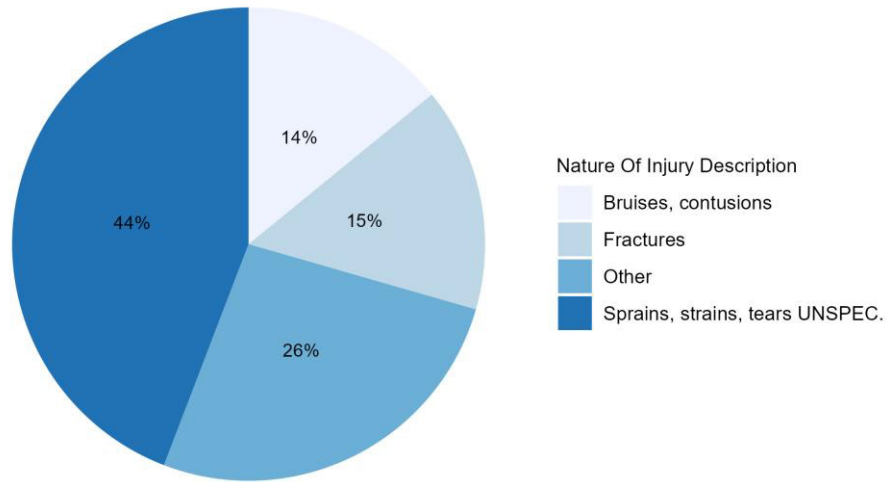
Appliance Service Technician



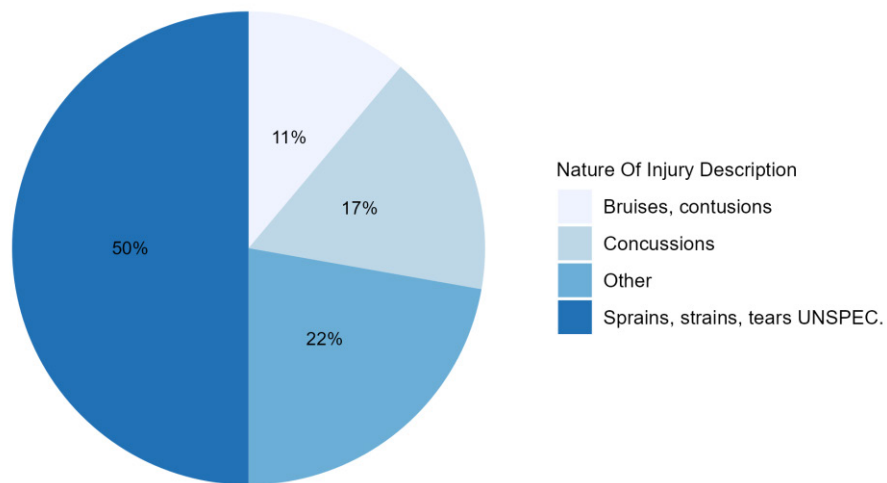
Arborist



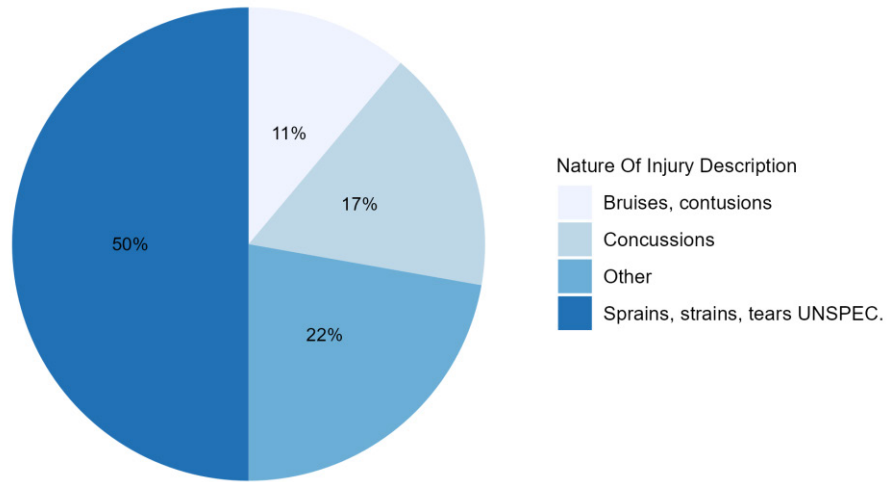
Assistant Cook



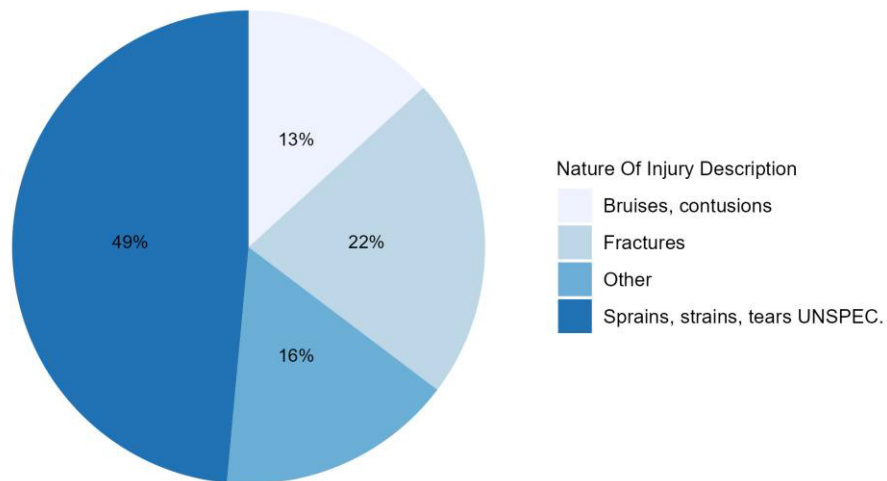
Baker



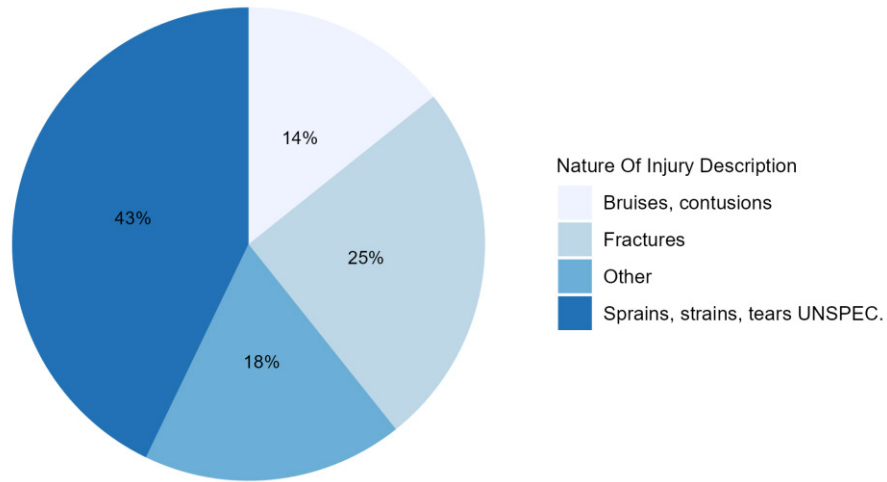
Baker-Patissier



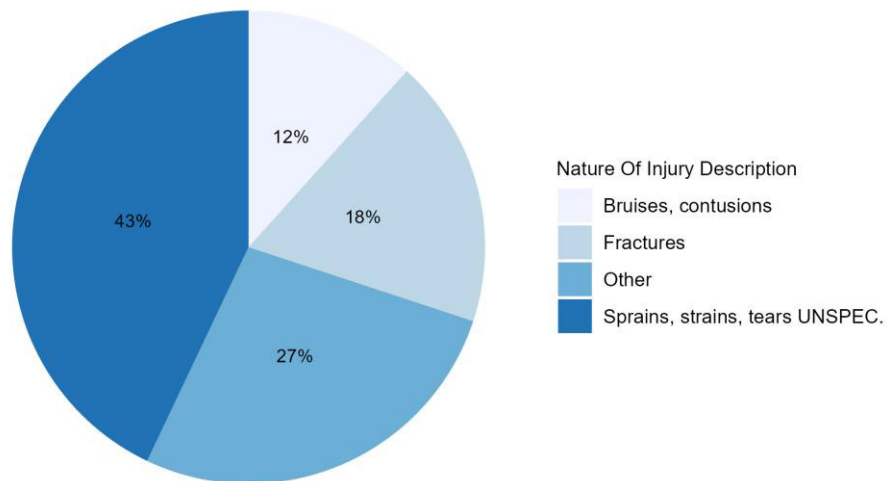
Bicycle Mechanic



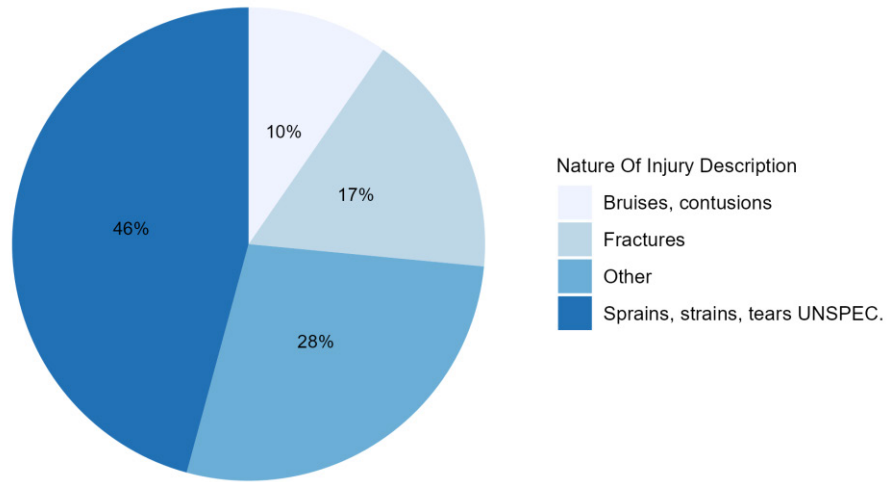
Chef



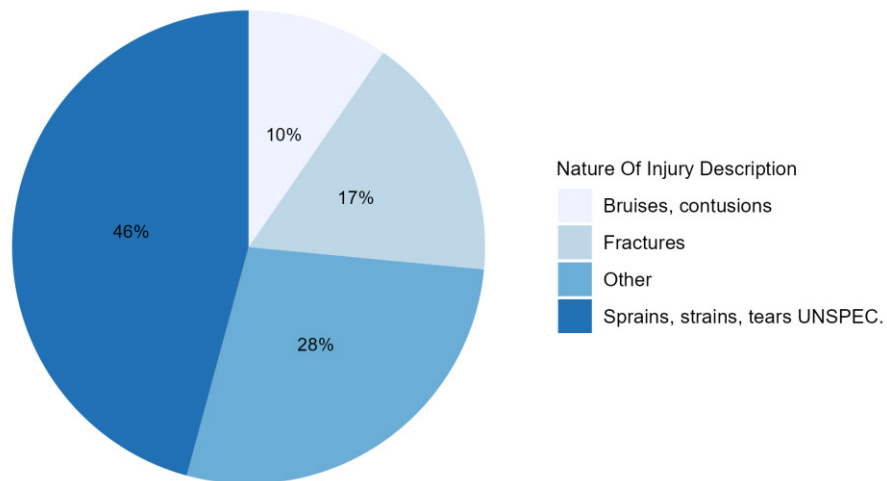
Child and Youth Worker



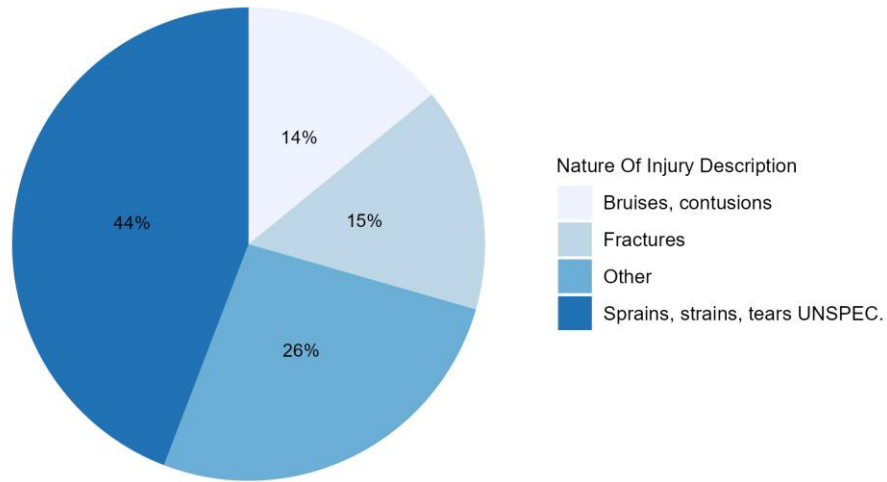
Child Development Practitioner - Inclusion Practices



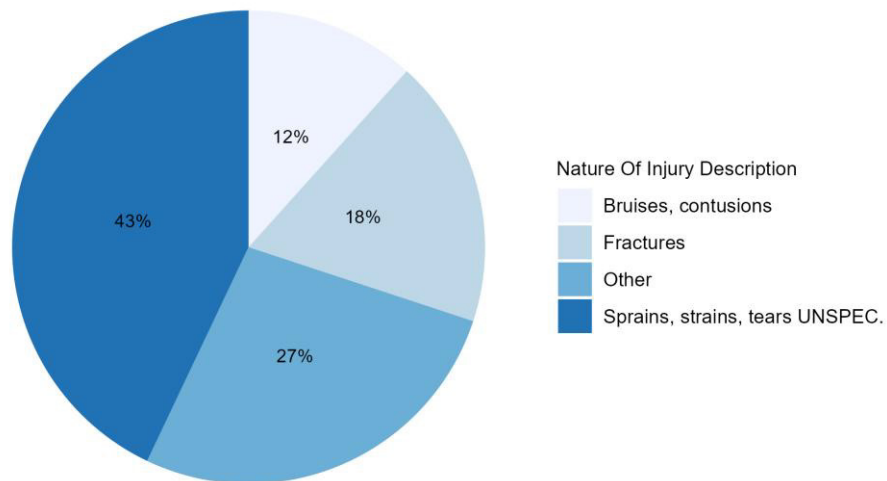
Child Development Practitioner



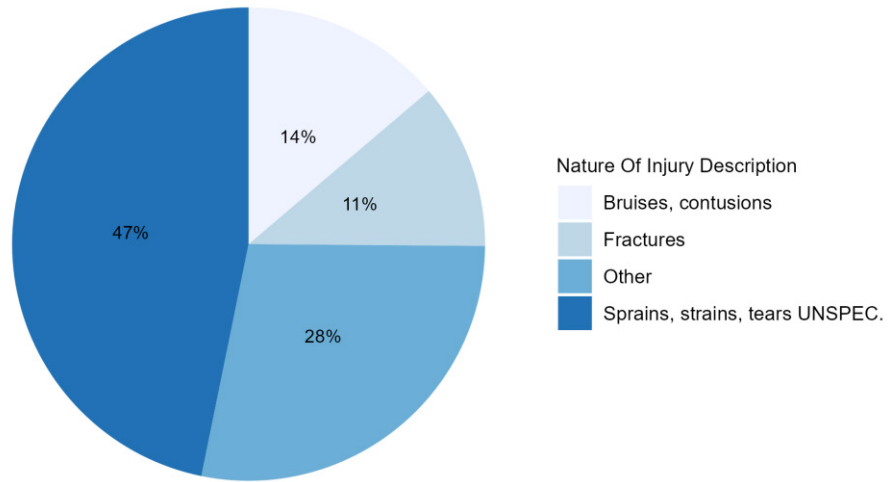
Cook



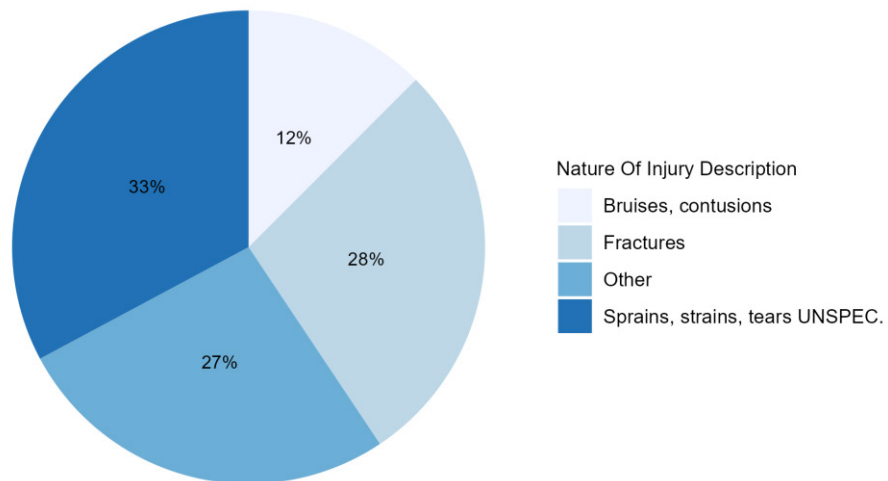
Developmental Services Worker



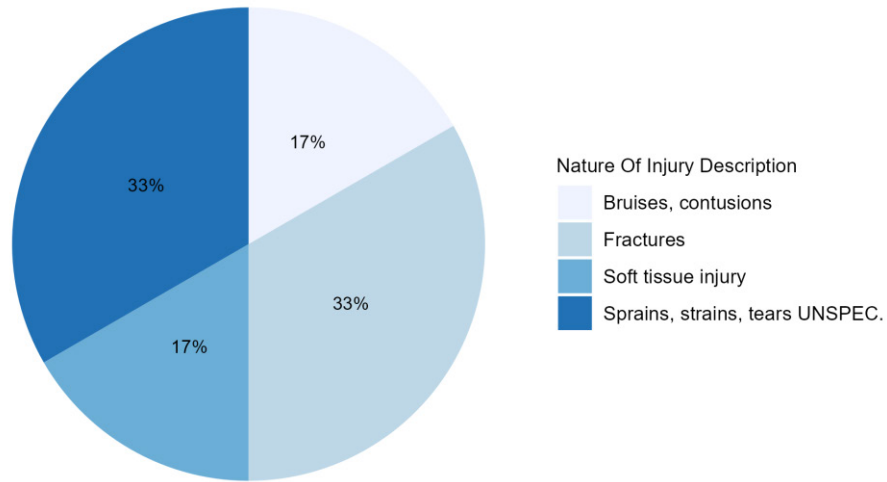
Educational Assistant



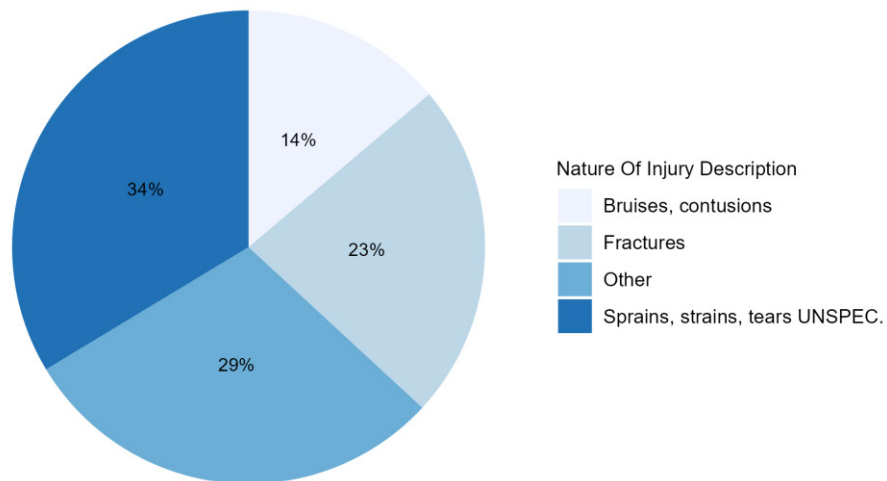
Electronic Service Technician



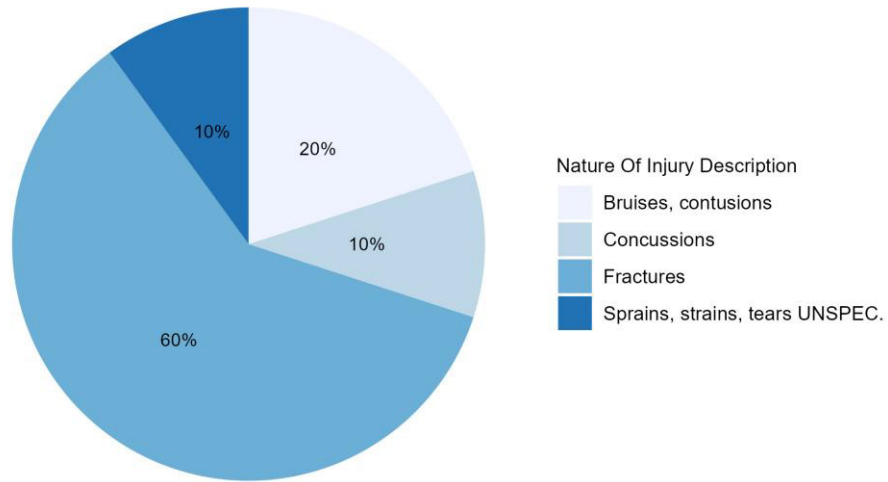
Hairstylist



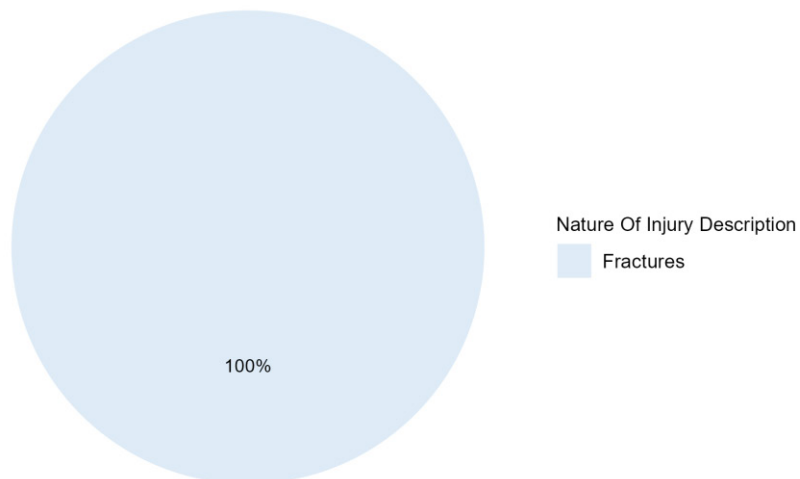
Hardware, Lumber and Building Materials Retailer



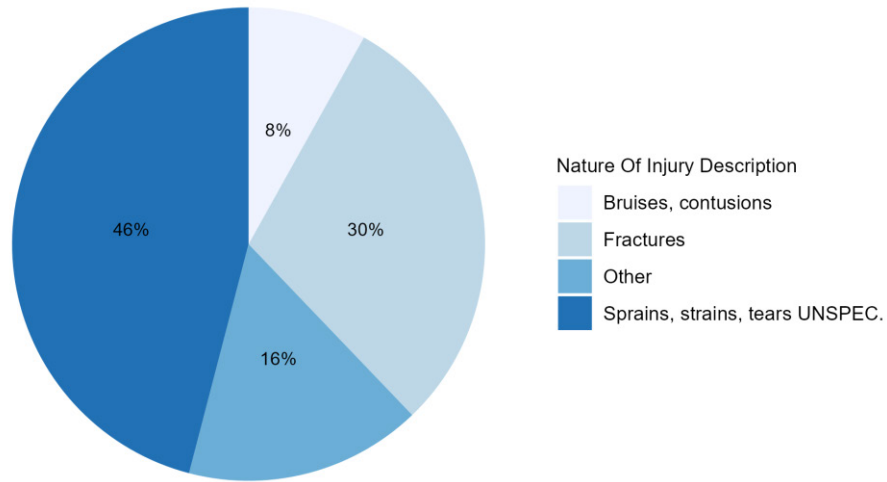
Horse Groom



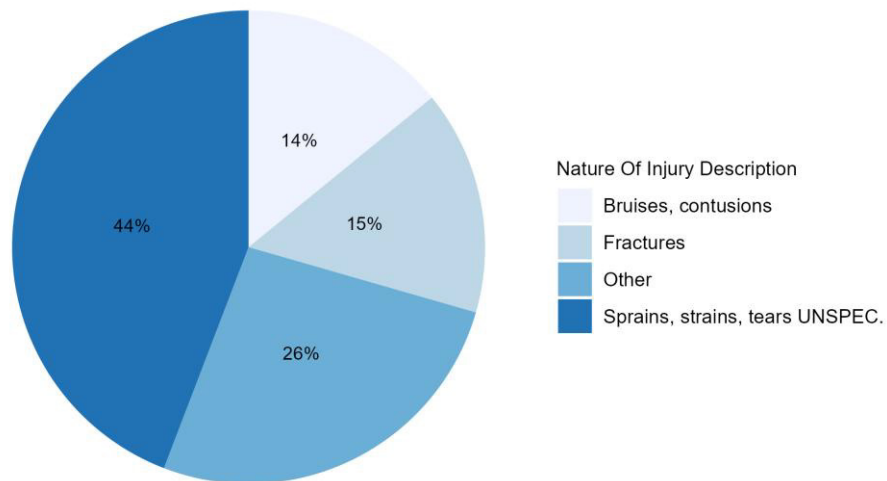
Horse Harness Maker



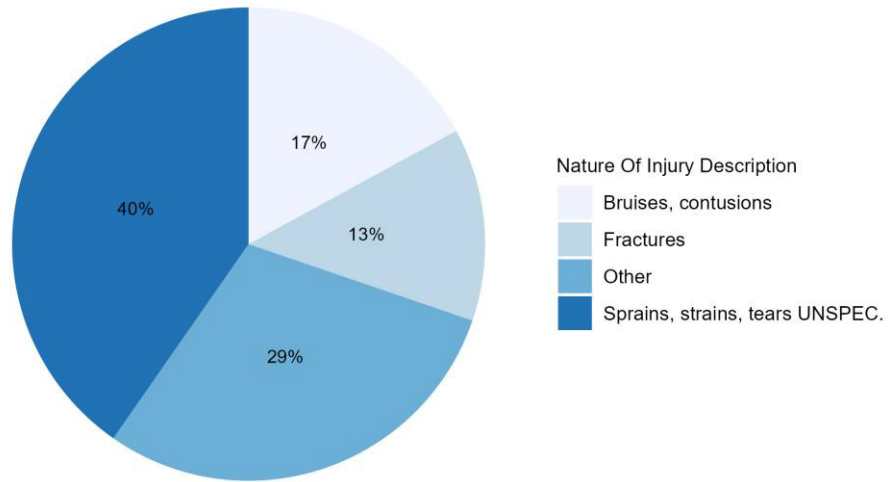
Horticultural Technician



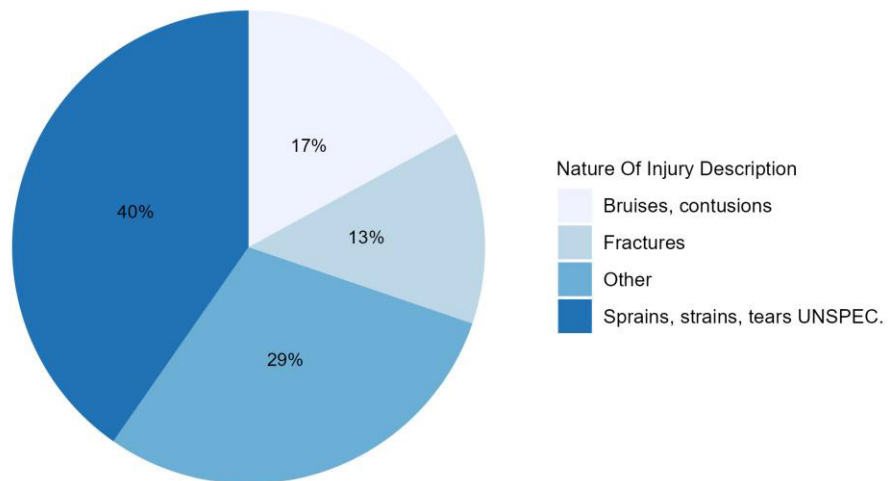
Institutional Cook



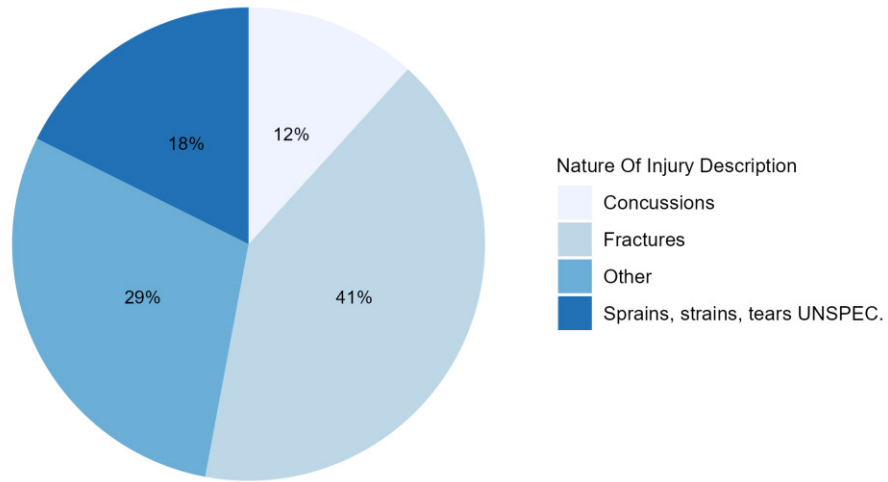
IT - Contact Centre Customer Service Agent



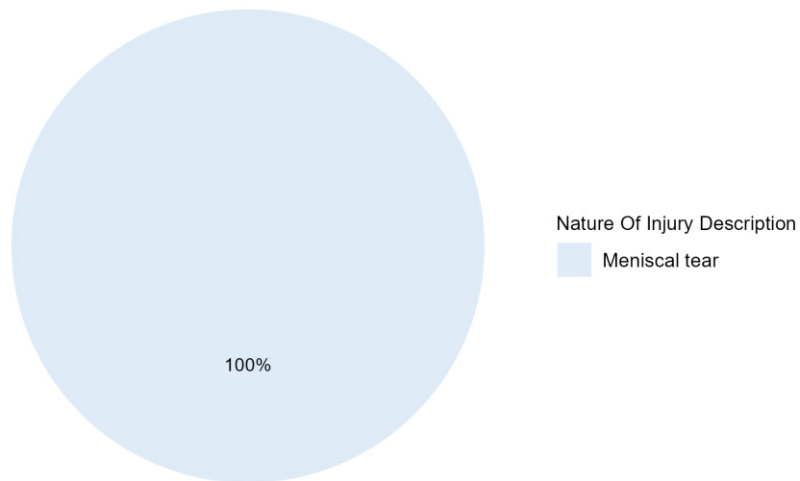
IT - Contact Centre Sales Agent



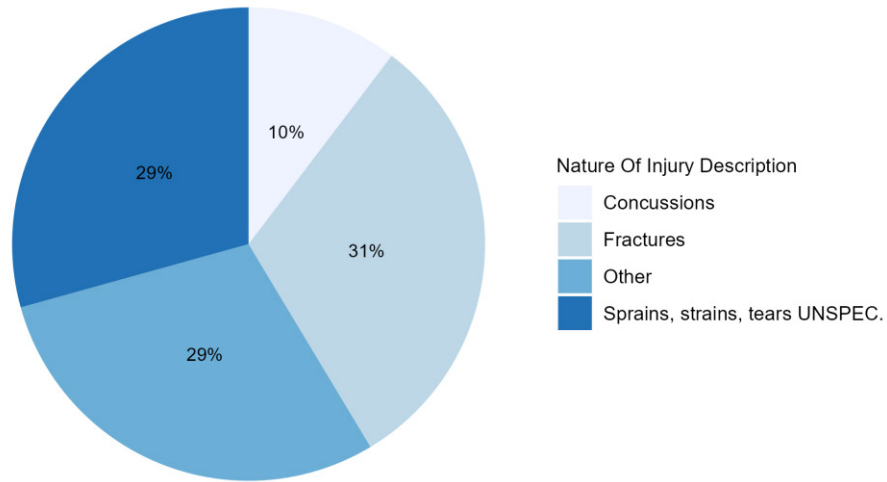
Micro Electronics Manufacturer



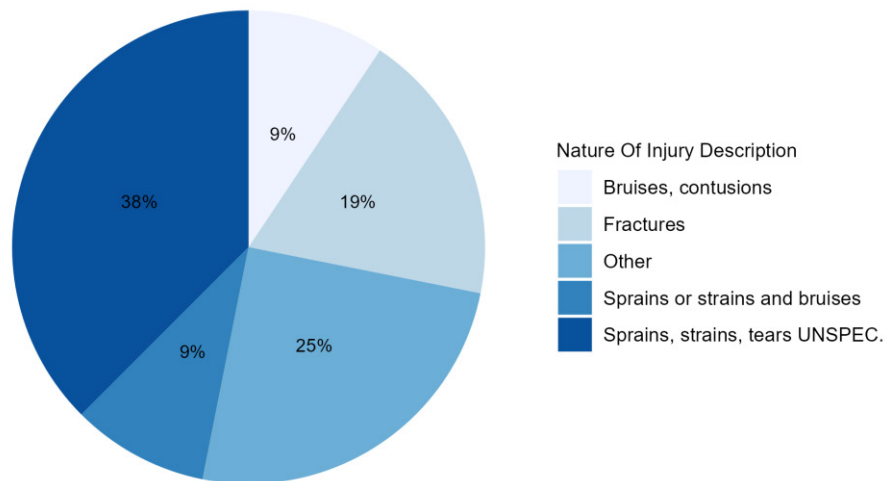
Native Clothing and Crafts Artisan



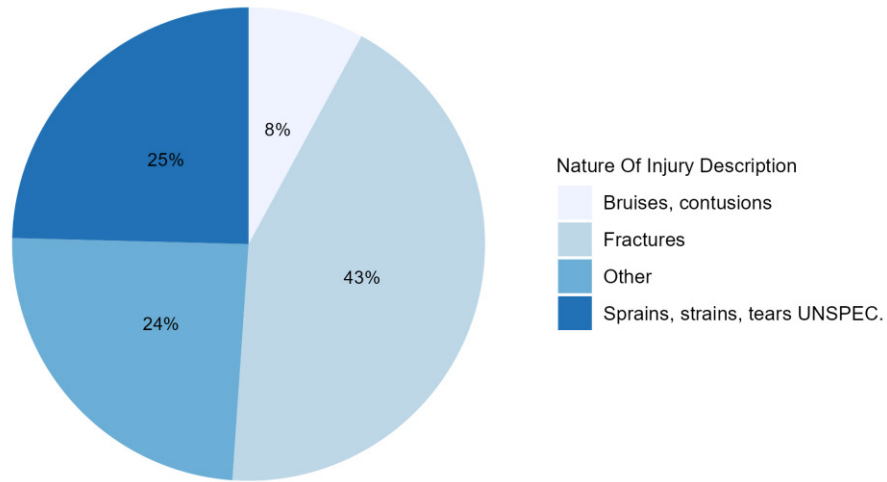
Network Cabling Specialist



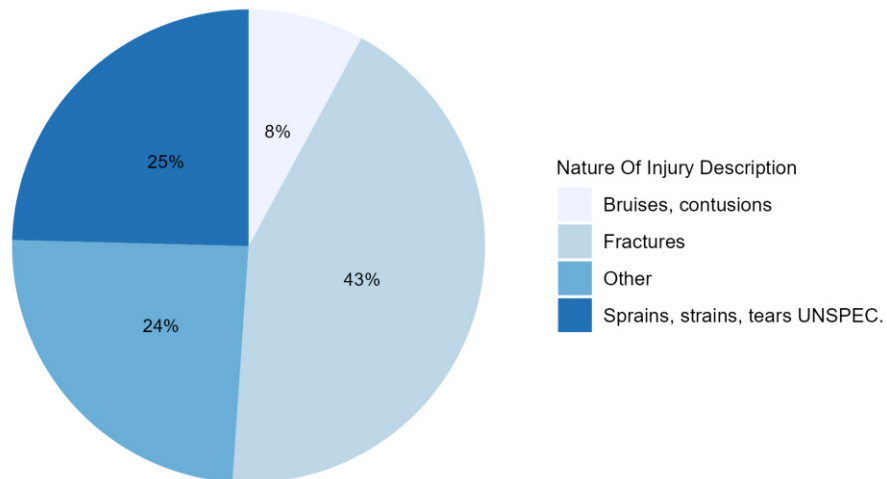
Parts Technician



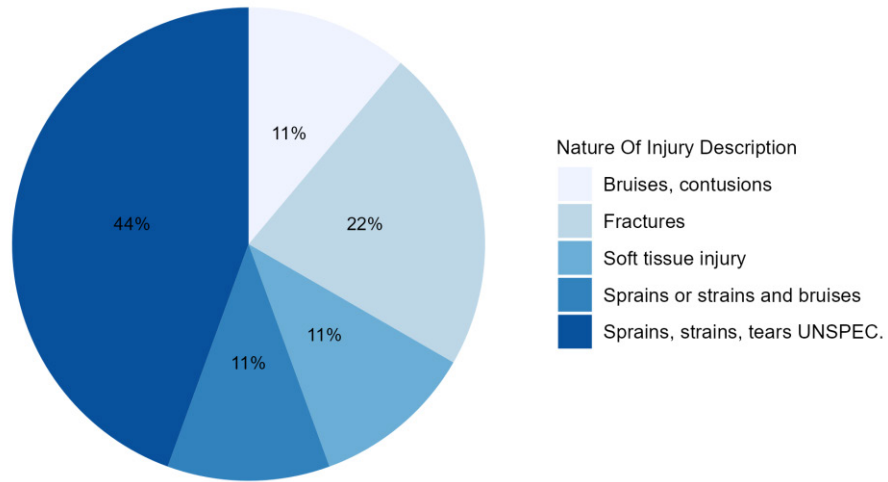
Pool, Hot Tub and Spa - Installer



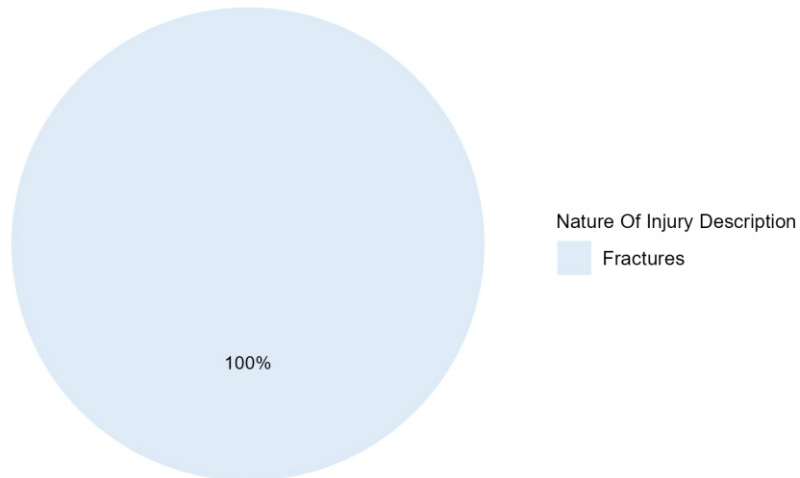
Pool, Hot Tub and Spa - Service Technician



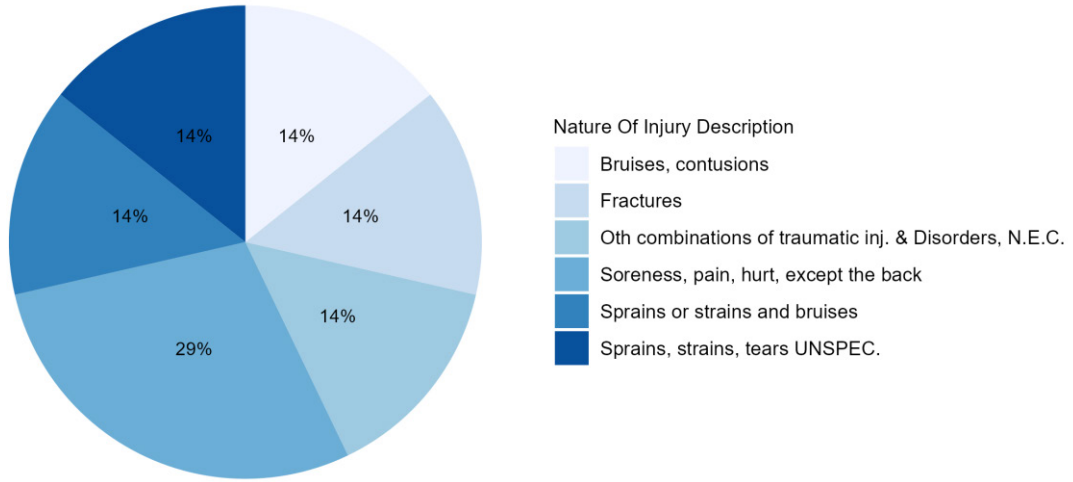
Retail Meat Cutter



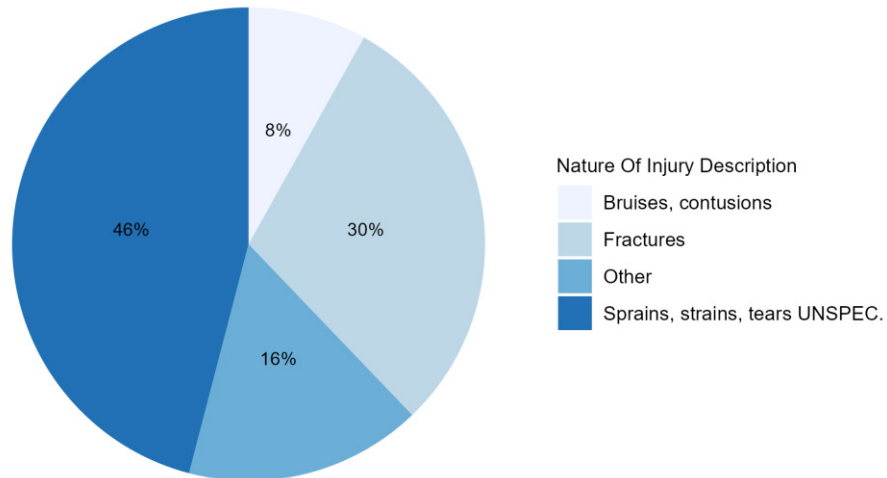
Saddlery



Special Events Coordinator

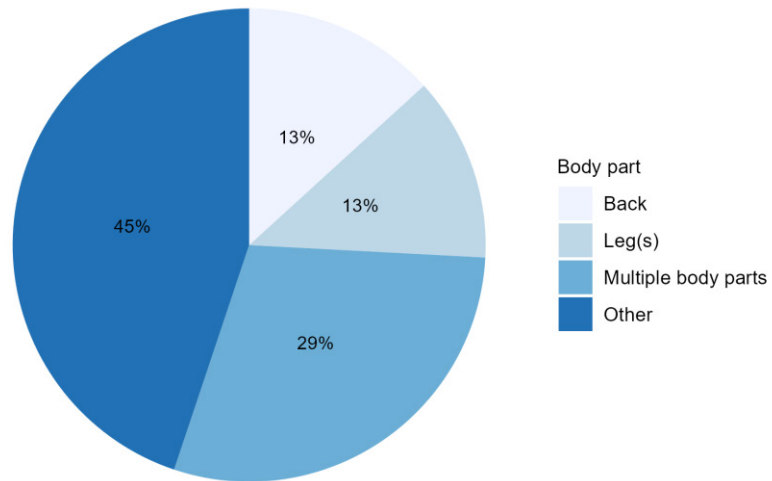


Utility Arborist

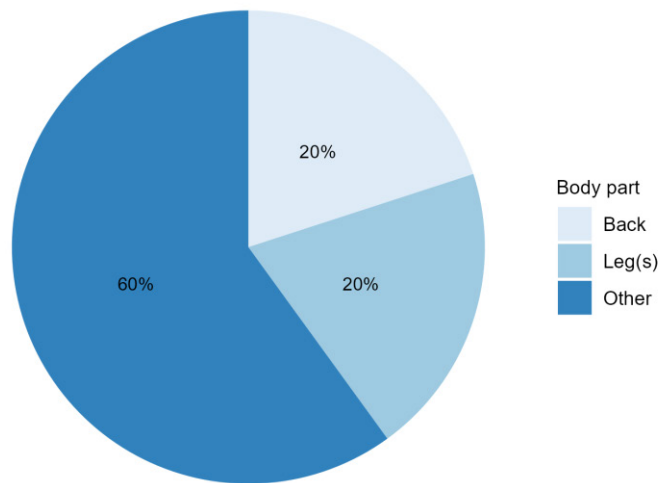


Section 11: Breakdown of *fall on same level* claims by body part

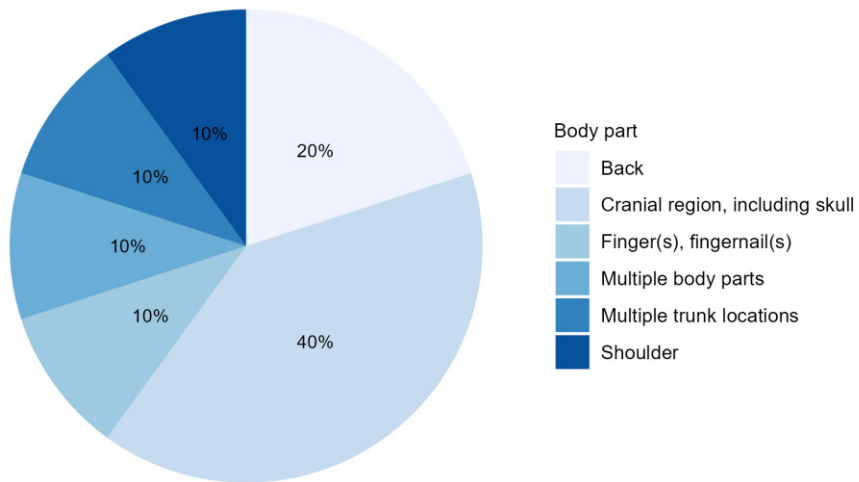
Aboriginal Child Development Practitioner



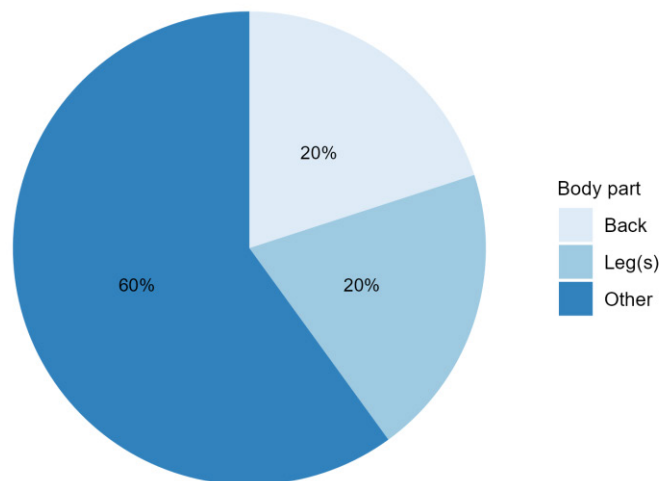
Agricultural - Dairy Herdsperson



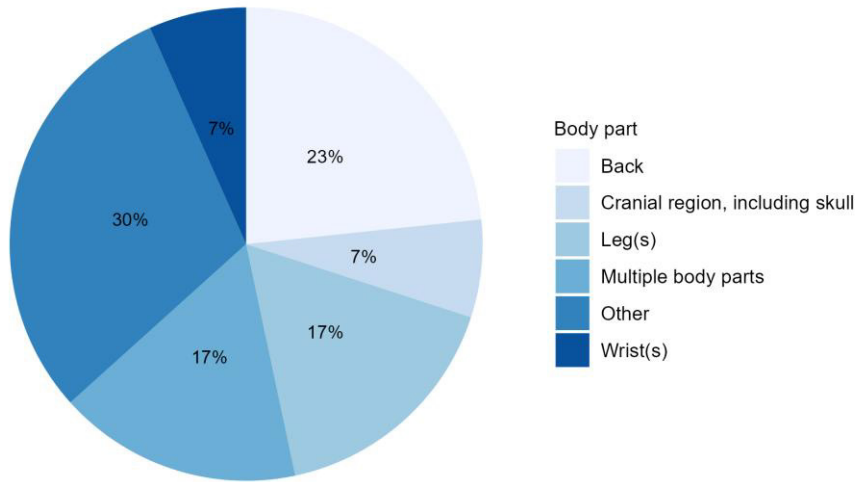
Agricultural - Fruit Grower



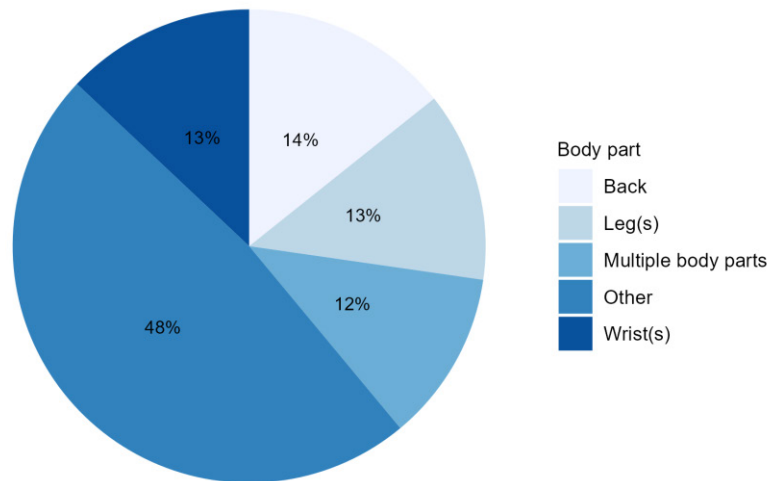
Agricultural - Swine Herdsperson



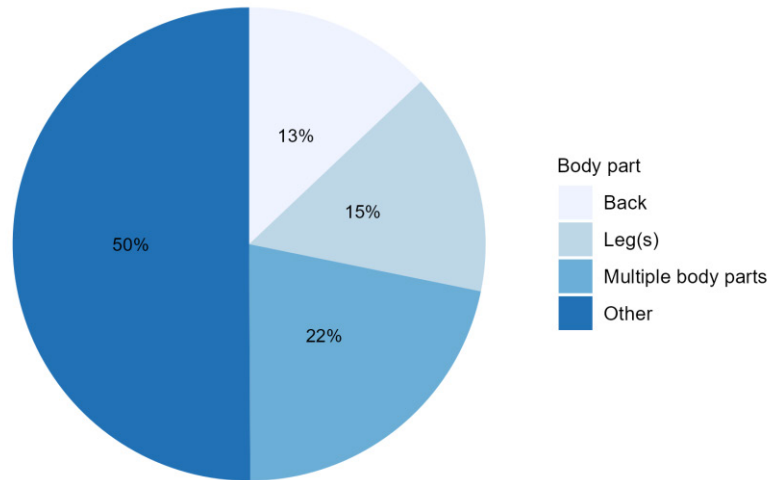
Appliance Service Technician



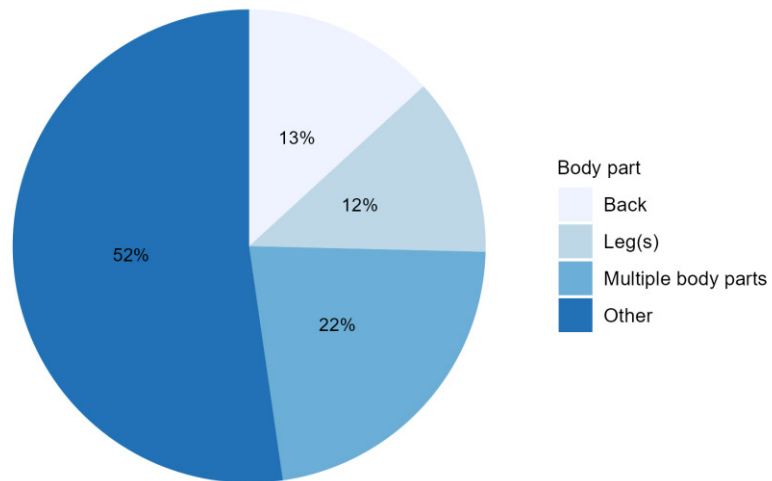
Arborist



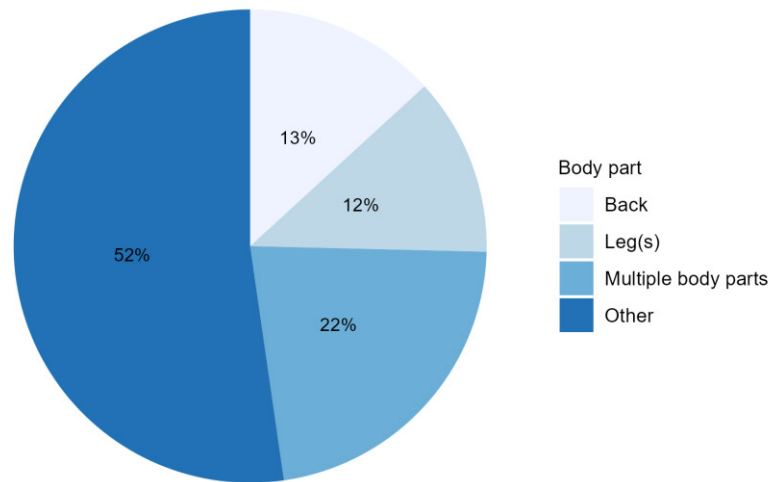
Assistant Cook



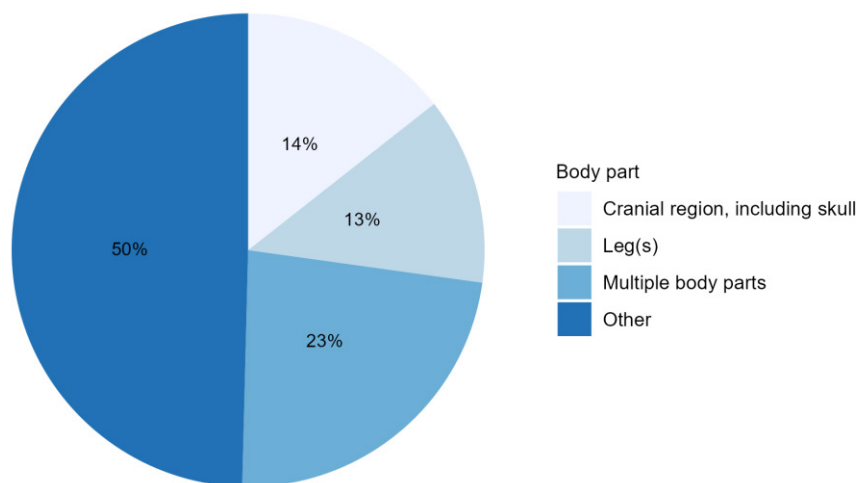
Baker



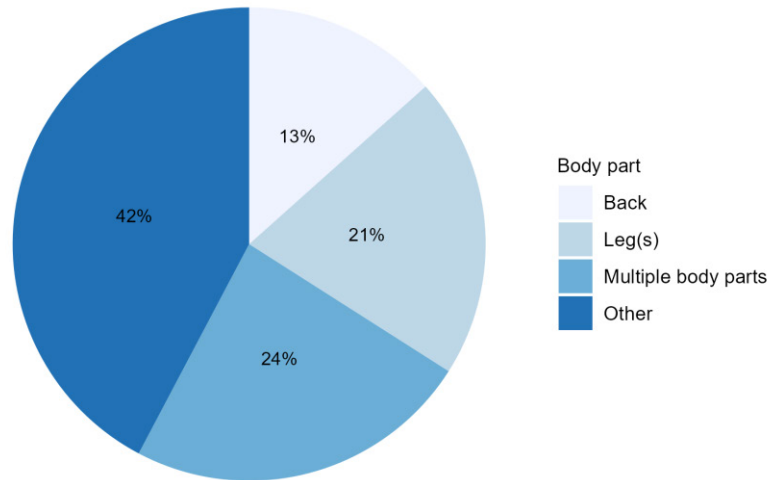
Baker-Pâtissier



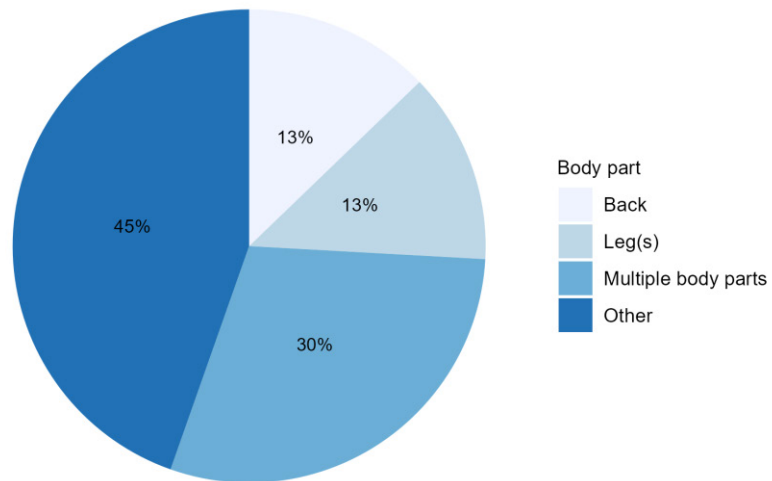
Bicycle Mechanic



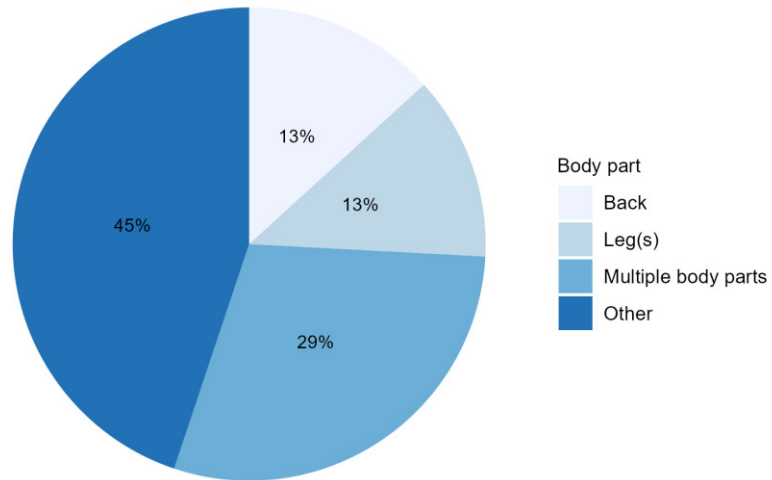
Chef



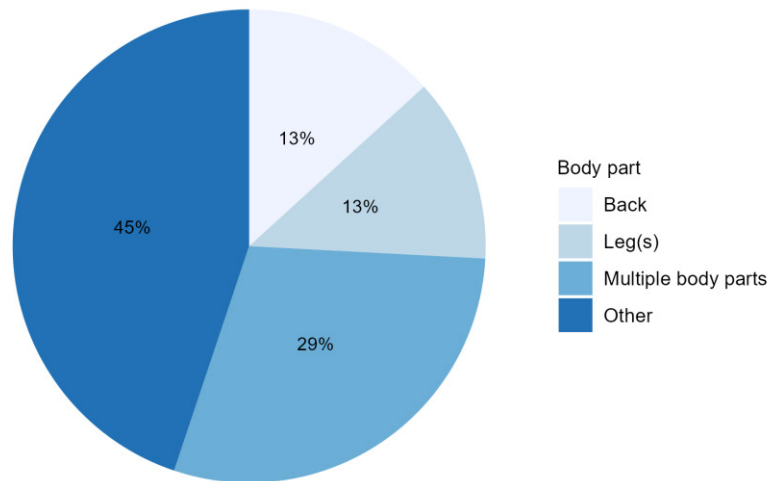
Child and Youth Worker



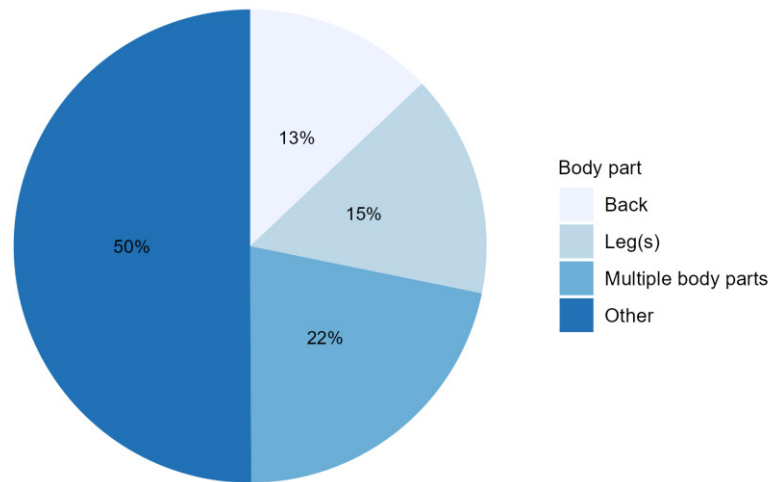
Child Development Practitioner - Inclusion Practices



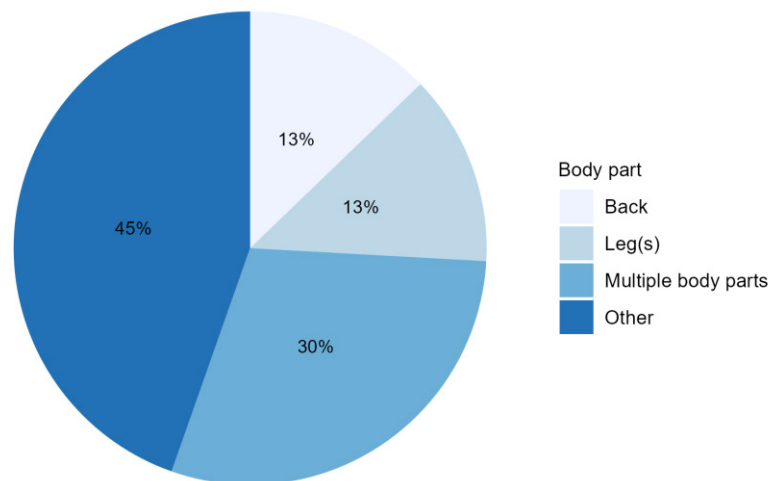
Child Development Practitioner



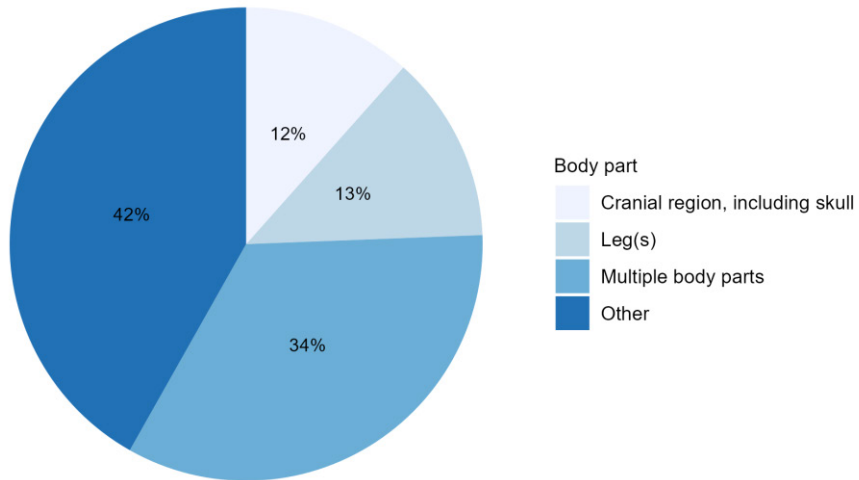
Cook



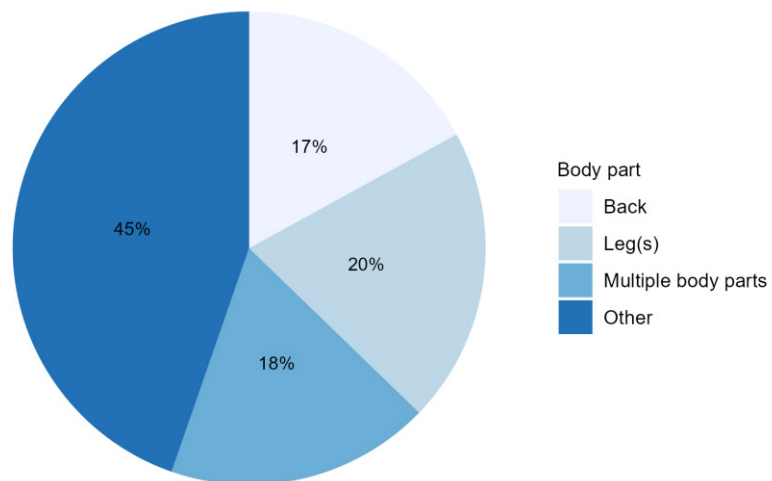
Developmental Services Worker



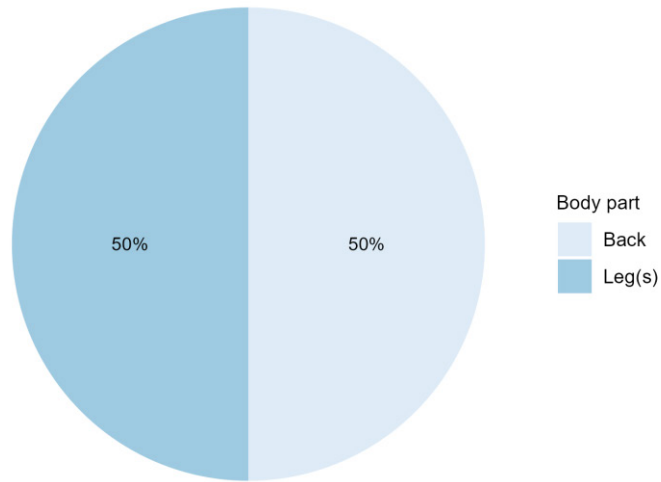
Educational Assistant



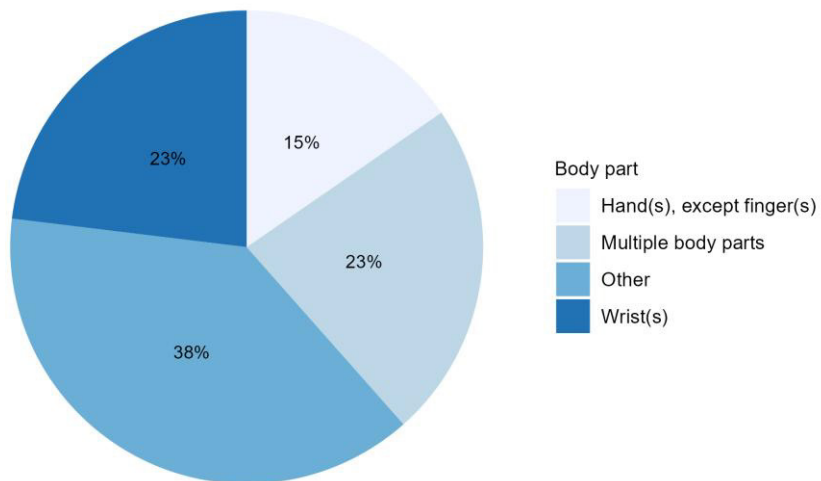
Electronic Service Technician



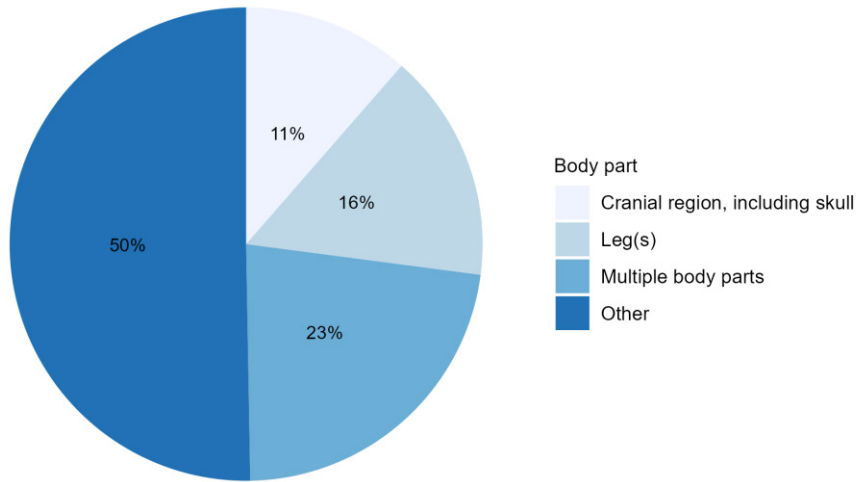
Gemsetter/Goldsmith



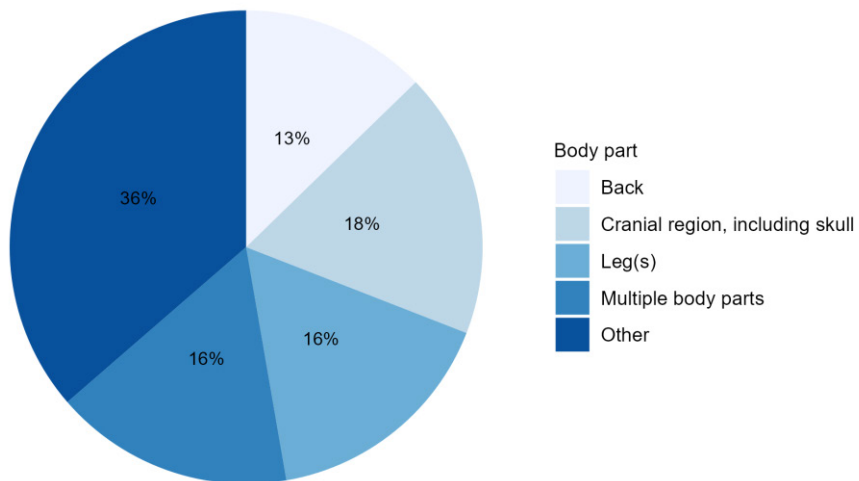
Hairstylist



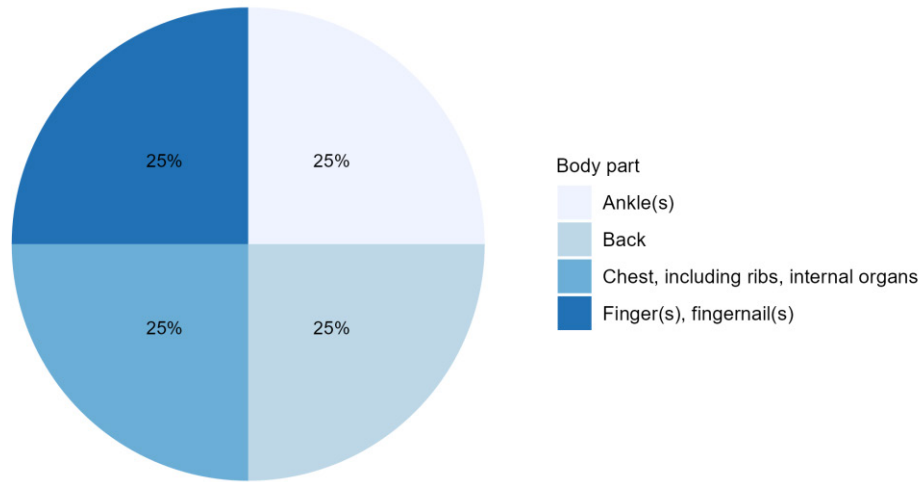
Hardware, Lumber and Building Materials Retailer



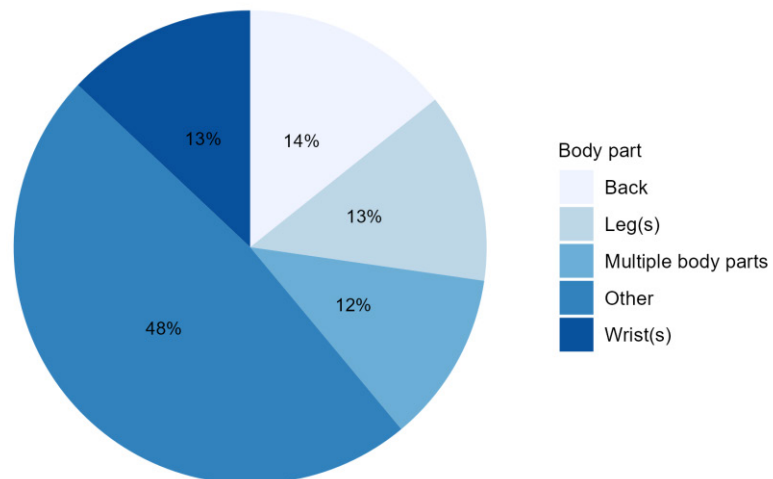
Horse Groom



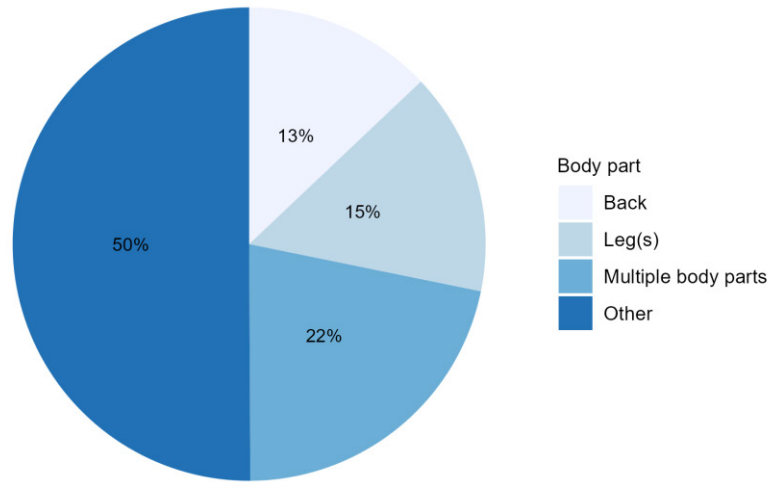
Horse Harness Maker



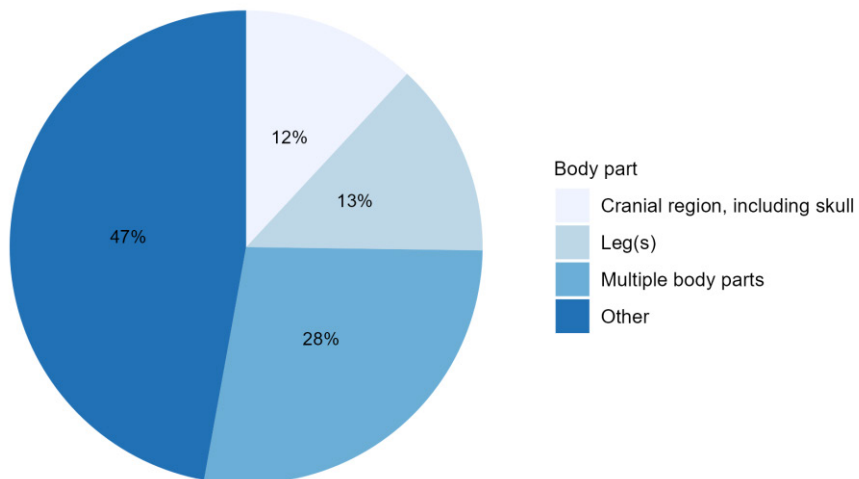
Horticultural Technician



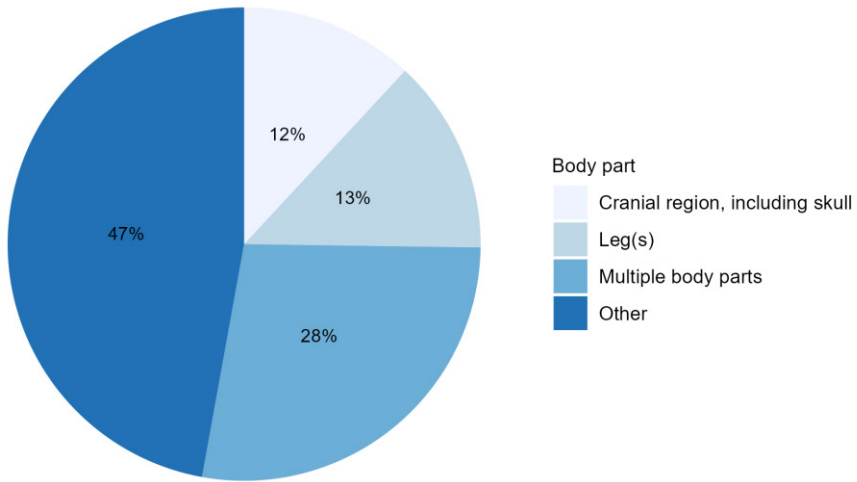
Institutional Cook



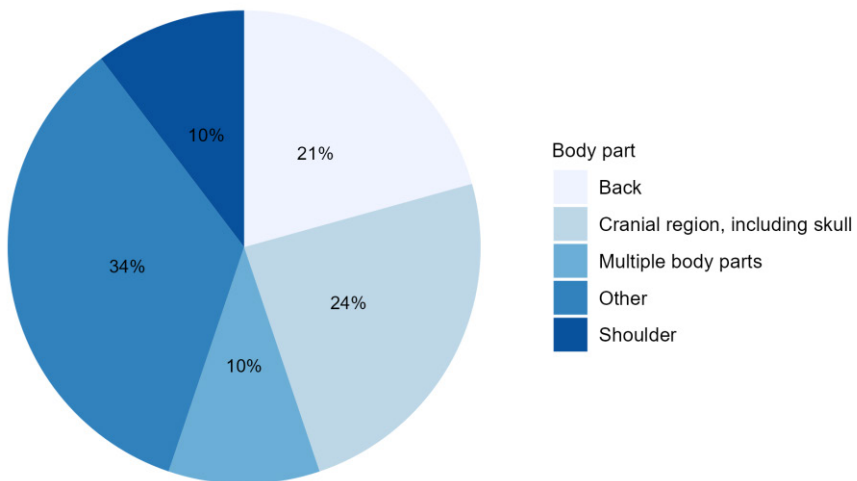
IT - Contact Centre Customer Service Agent



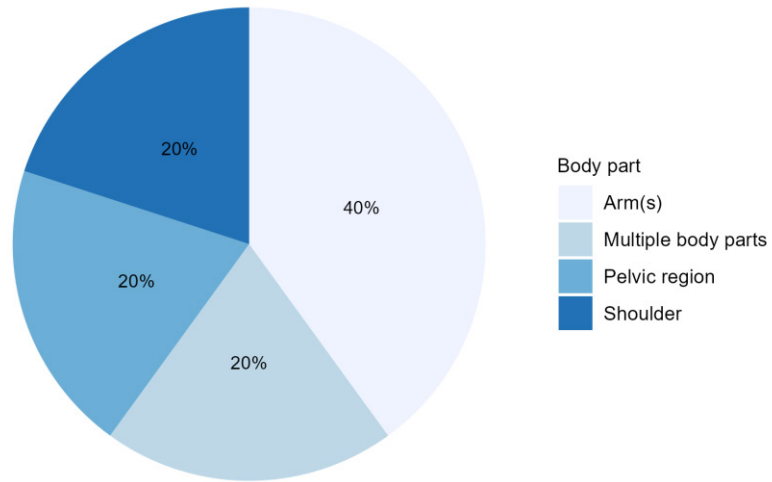
IT - Contact Centre Sales Agent



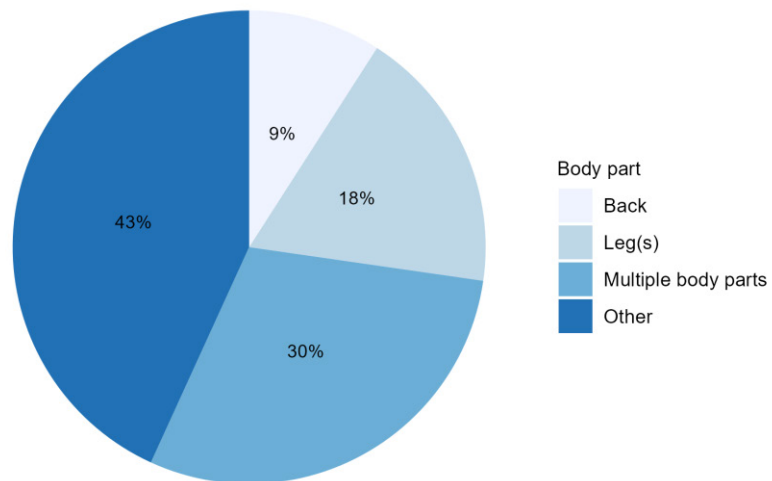
Micro Electronics Manufacturer



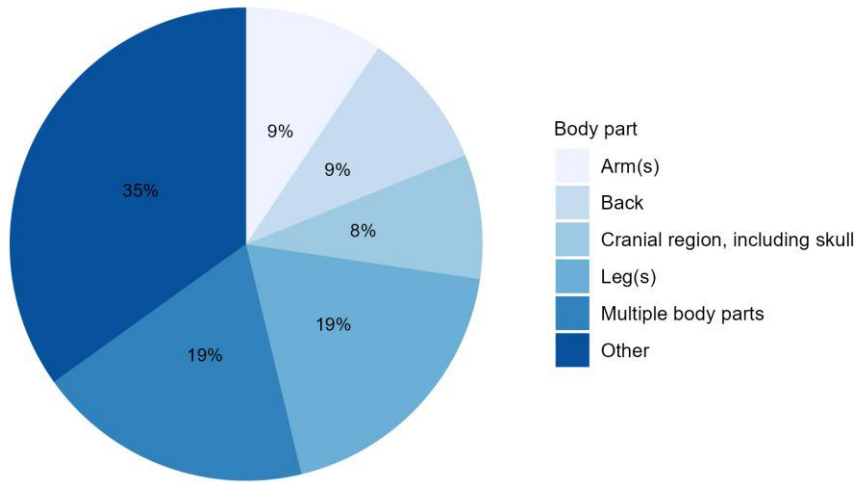
Native Clothing and Crafts Artisan



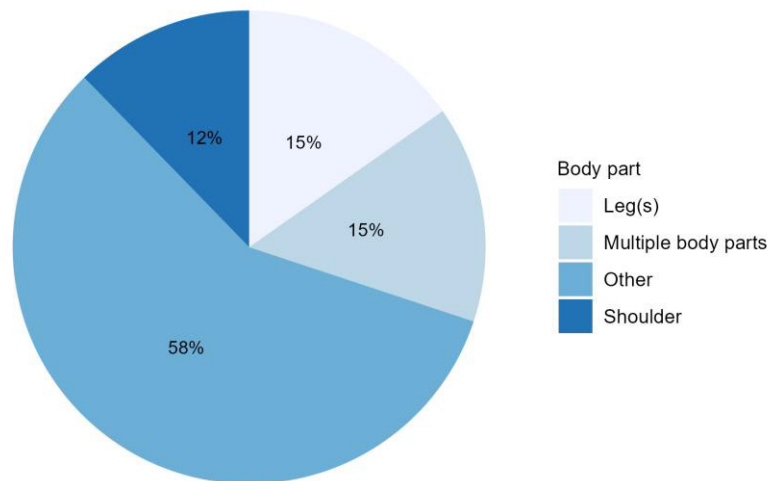
Network Cabling Specialist



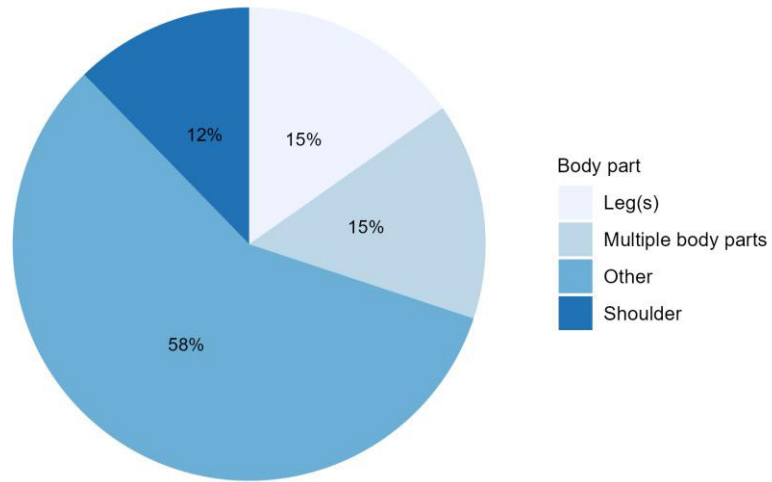
Parts Technician



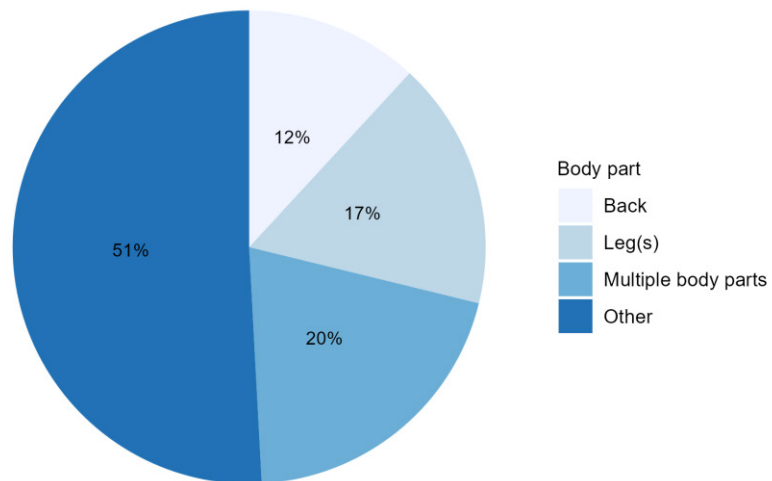
Pool, Hot Tub and Spa - Installer



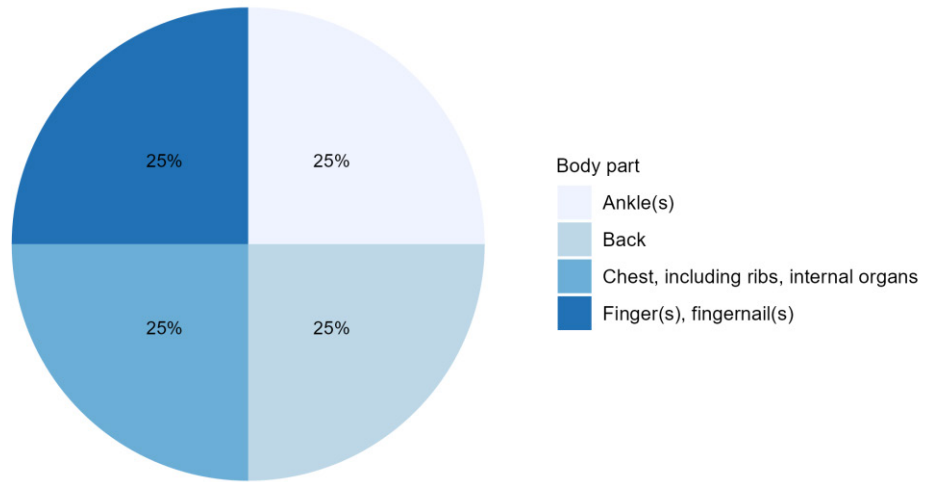
Pool, Hot Tub and Spa - Service Technician



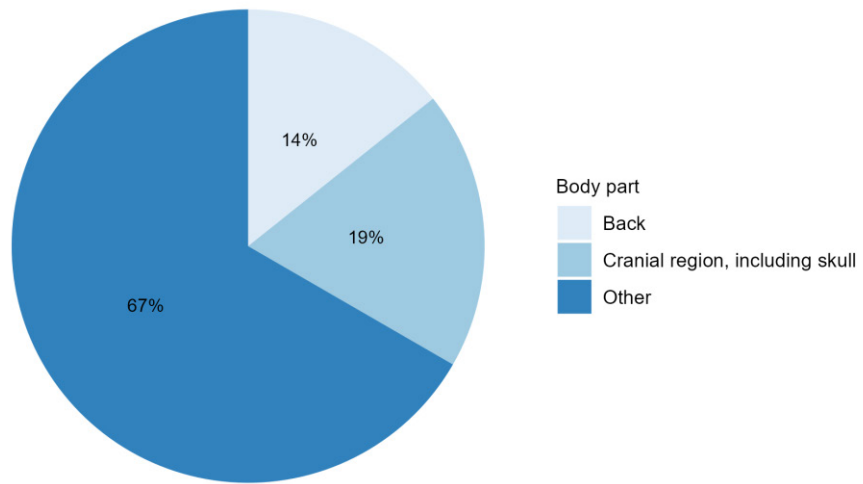
Retail Meat Cutter



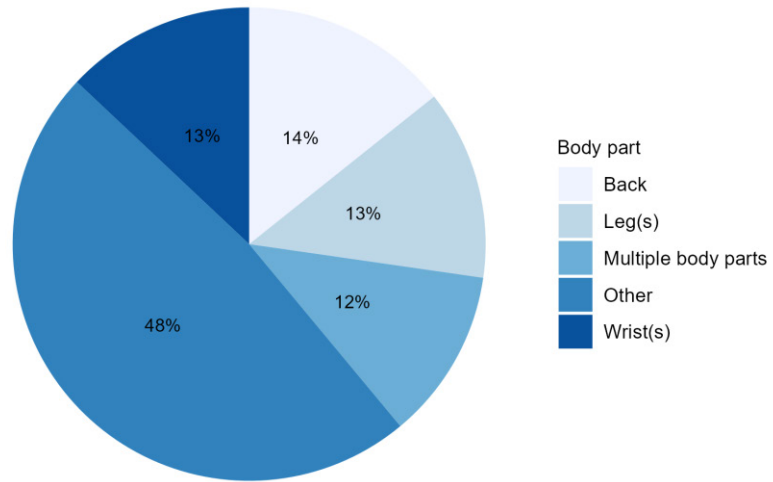
Saddlery



Special Events Coordinator

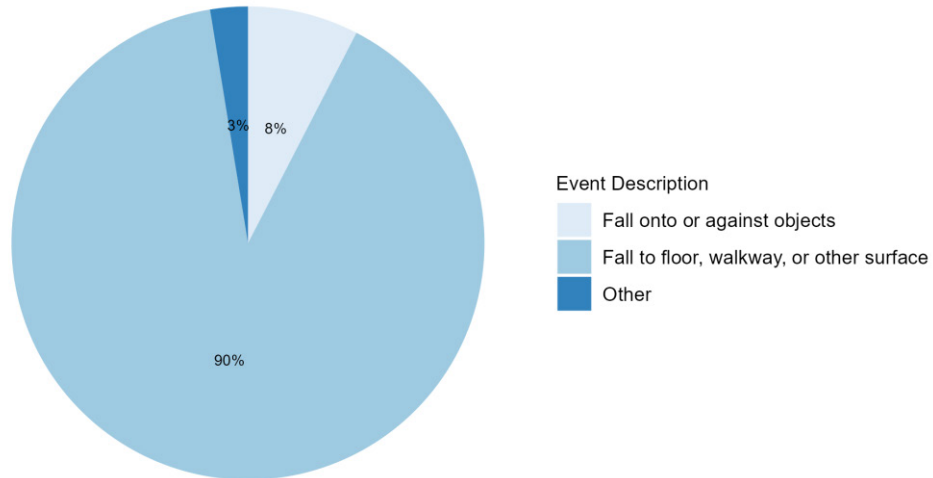


Utility Arborist

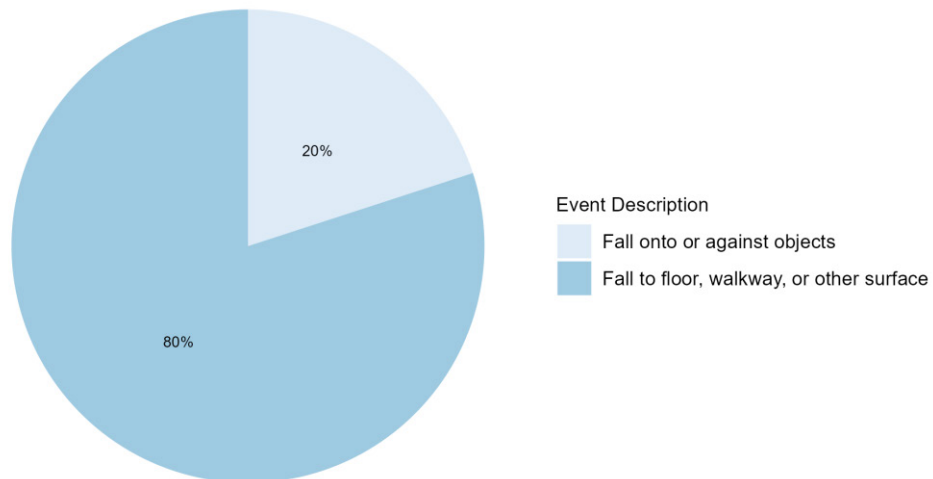


Section 12: Breakdown of *fall on same level* claims by Event Description

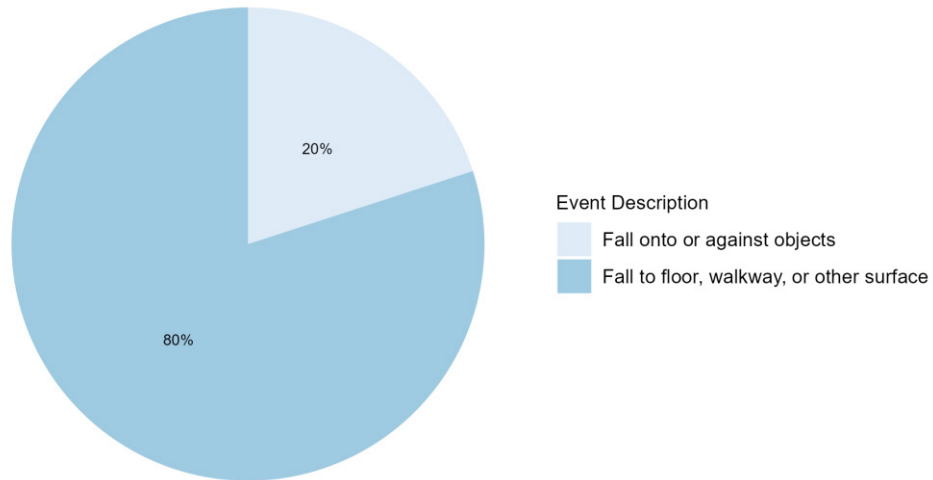
Aboriginal Child Development Practitioner



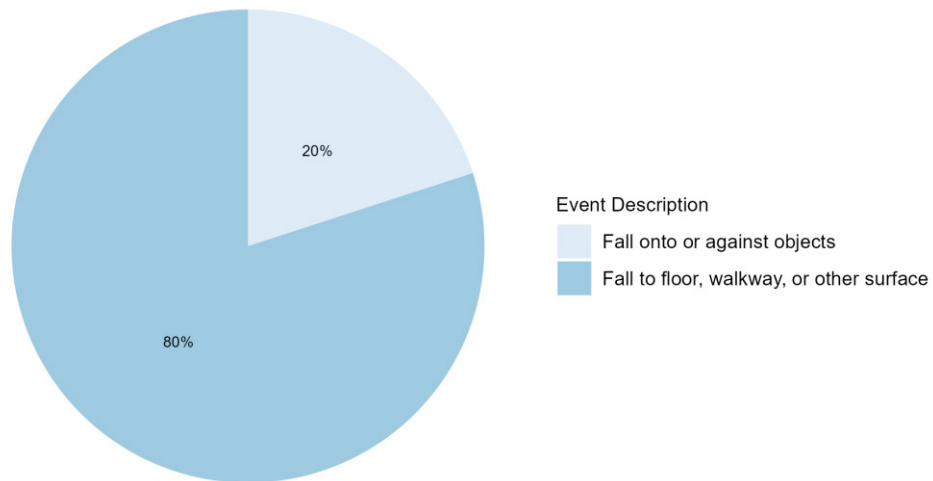
Agricultural - Dairy Herdsperson



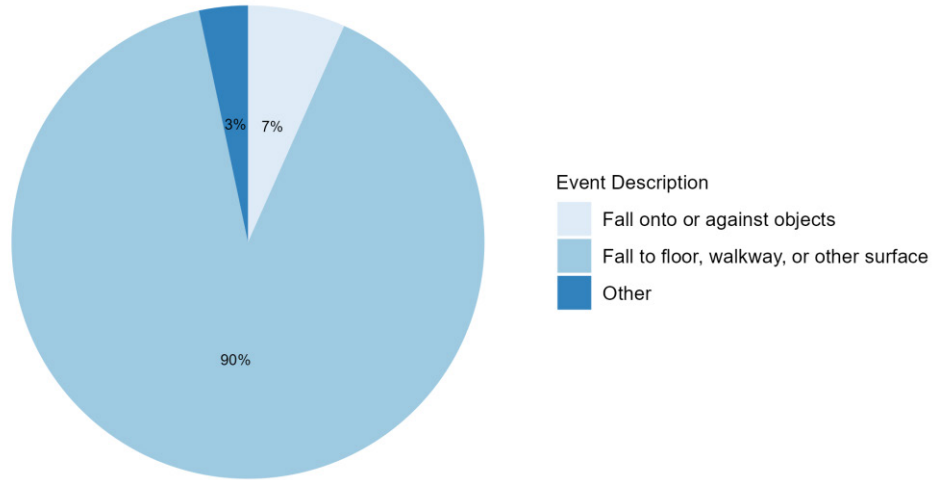
Agricultural - Fruit Grower



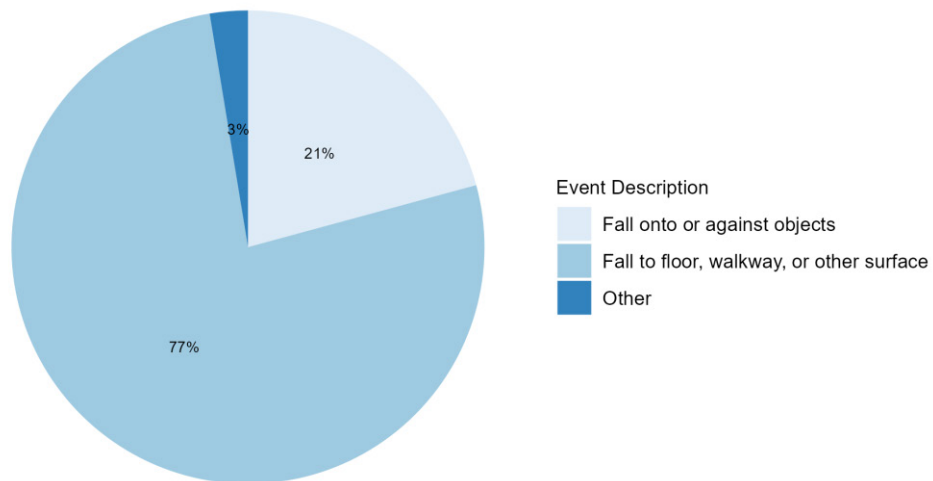
Agricultural - Swine Herdperson



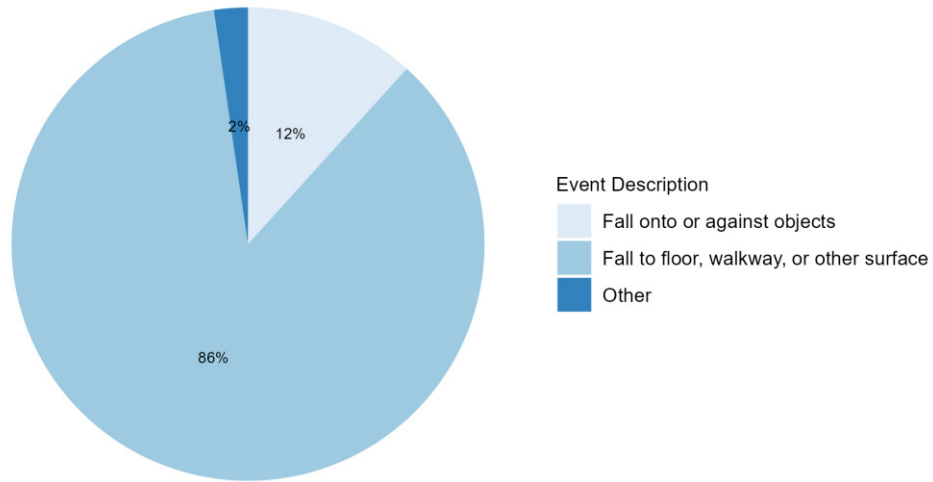
Appliance Service Technician



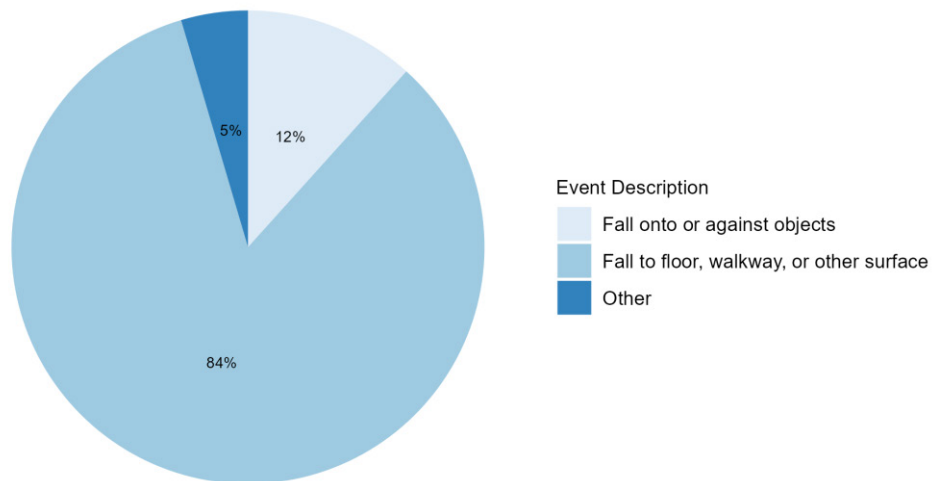
Arborist



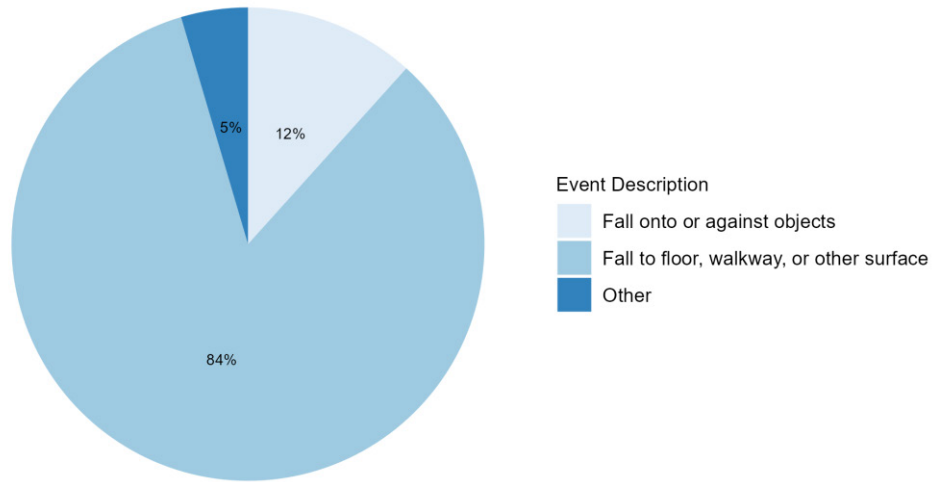
Assistant Cook



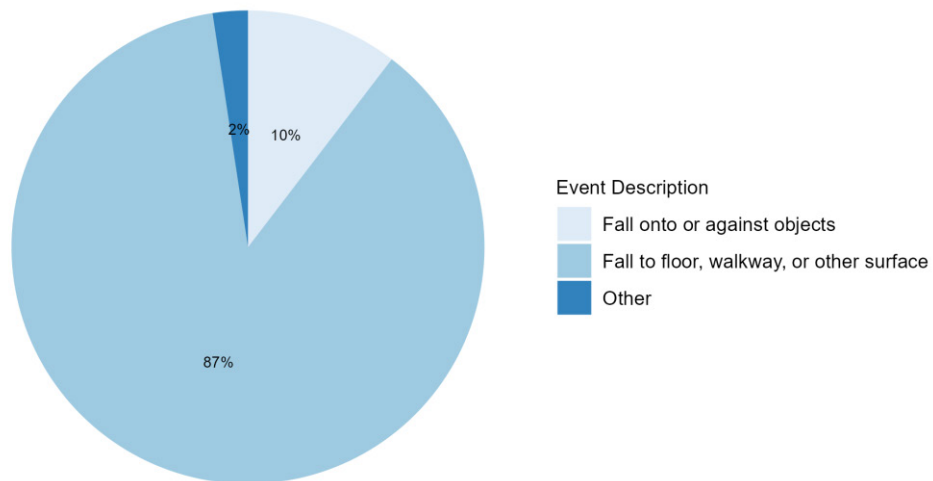
Baker



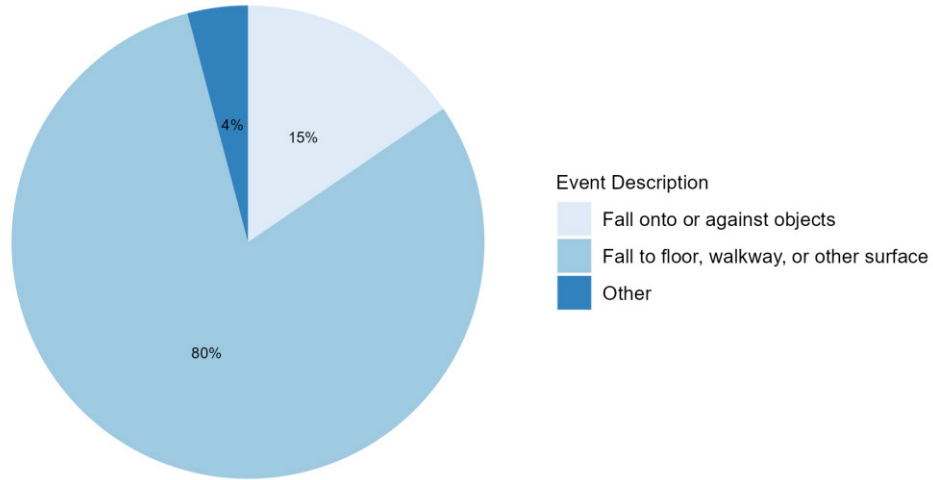
Baker-Patissier



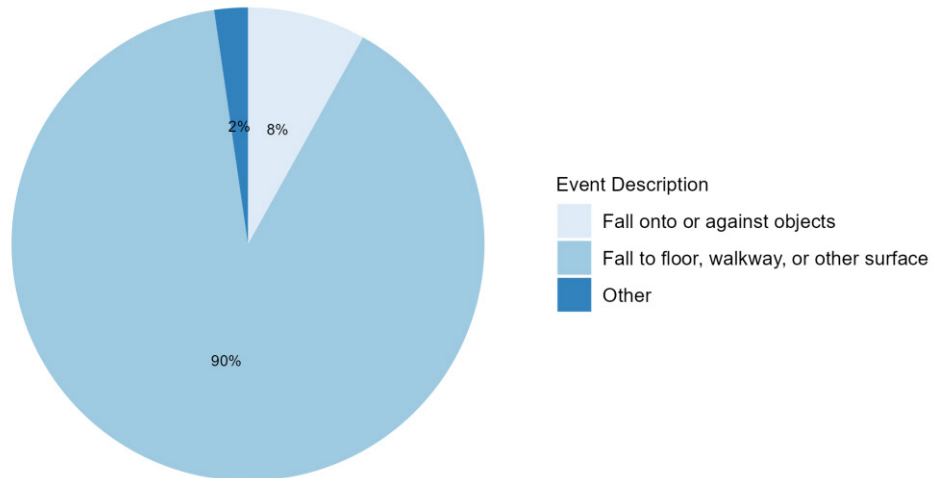
Bicycle Mechanic



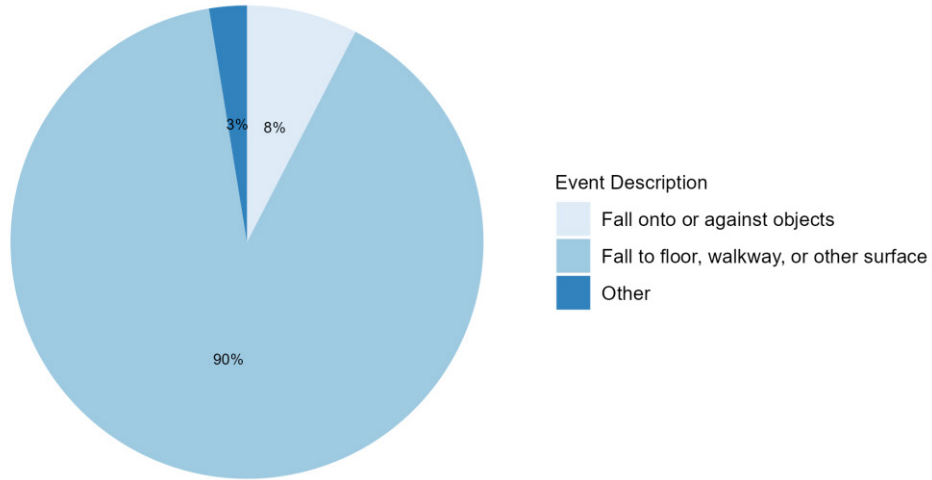
Chef



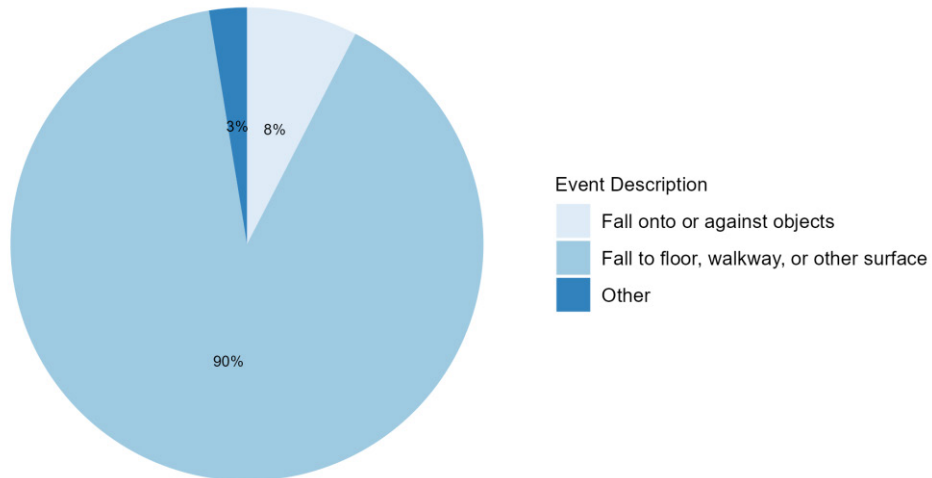
Child and Youth Worker



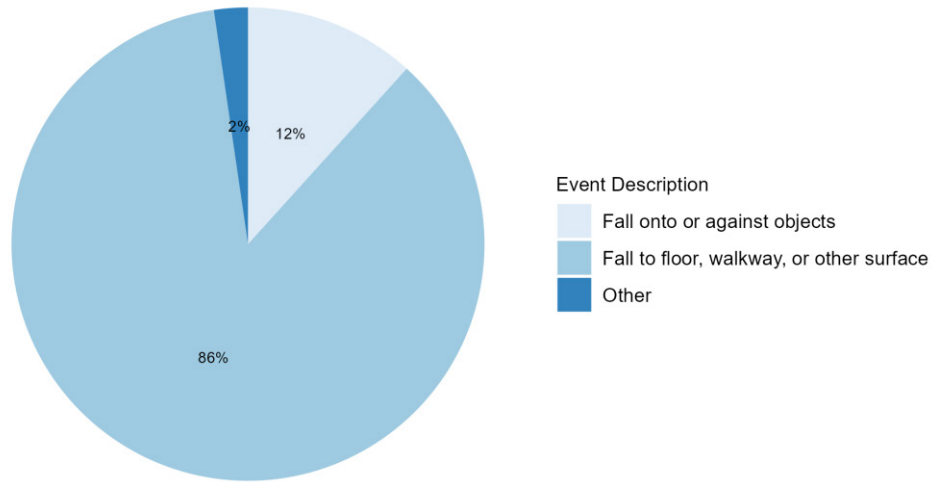
Child Development Practitioner - Inclusion Practices



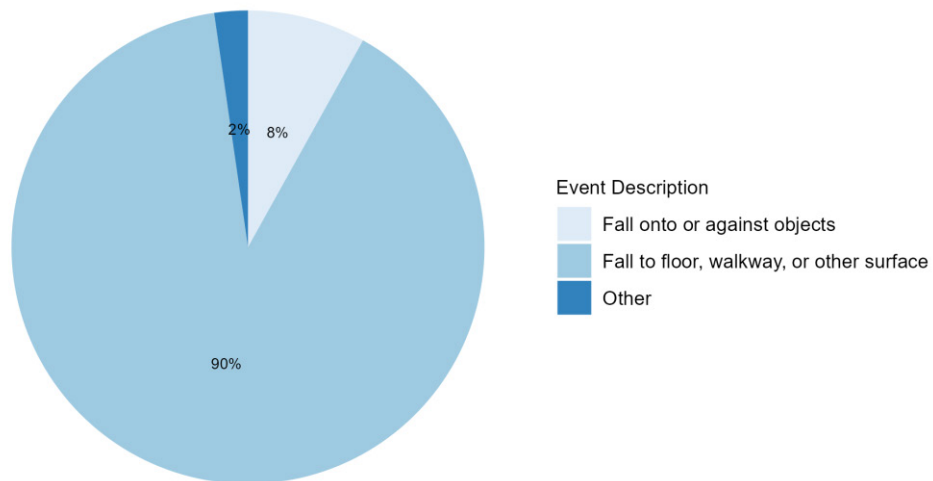
Child Development Practitioner



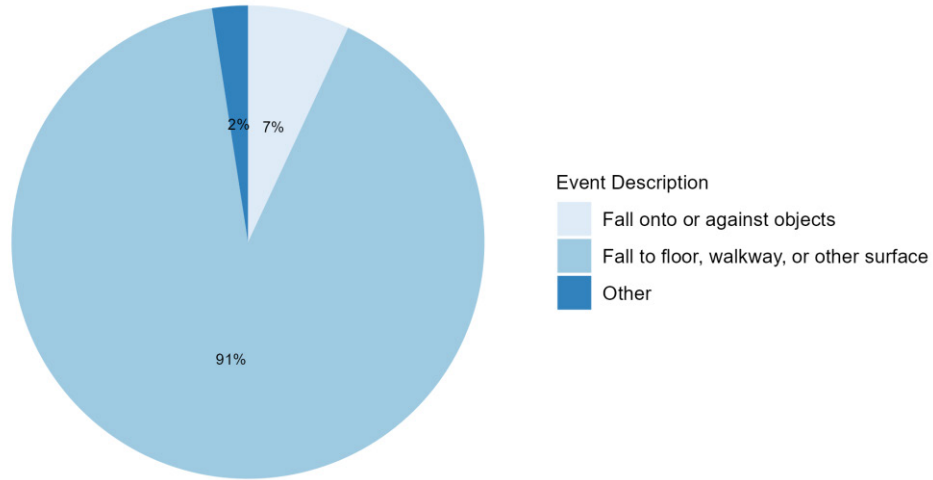
Cook



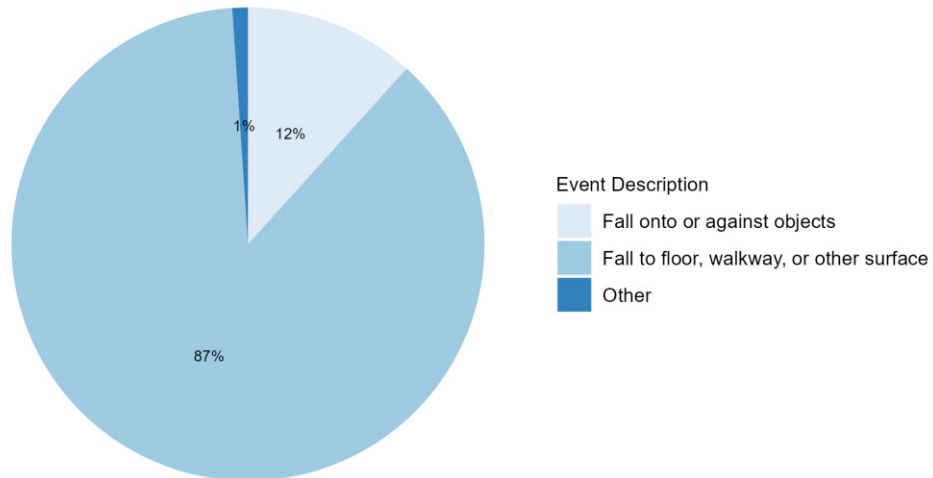
Developmental Services Worker



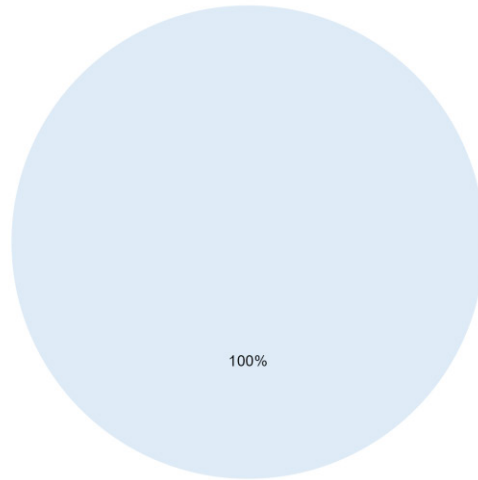
Educational Assistant



Electronic Service Technician



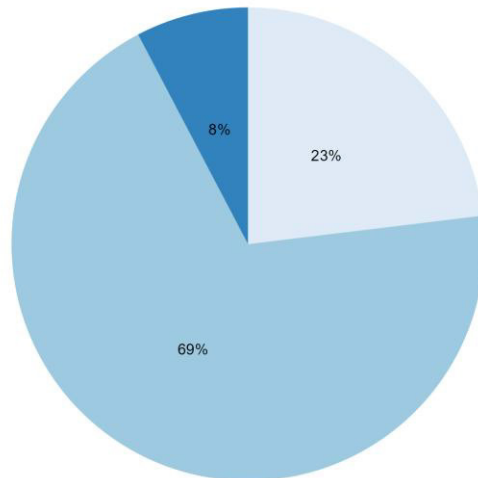
Gemsetter/Goldsmith



Event Description

Fall to floor, walkway, or other surface

Hairstylist



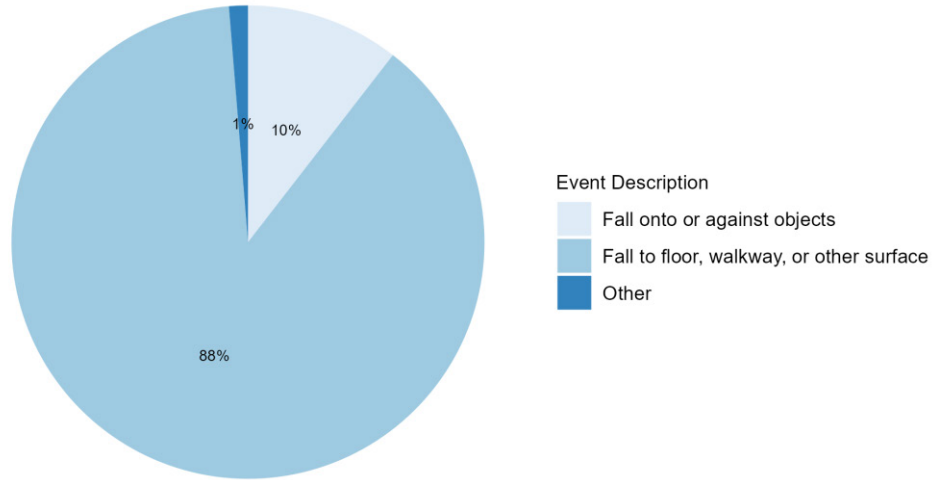
Event Description

Fall onto or against objects

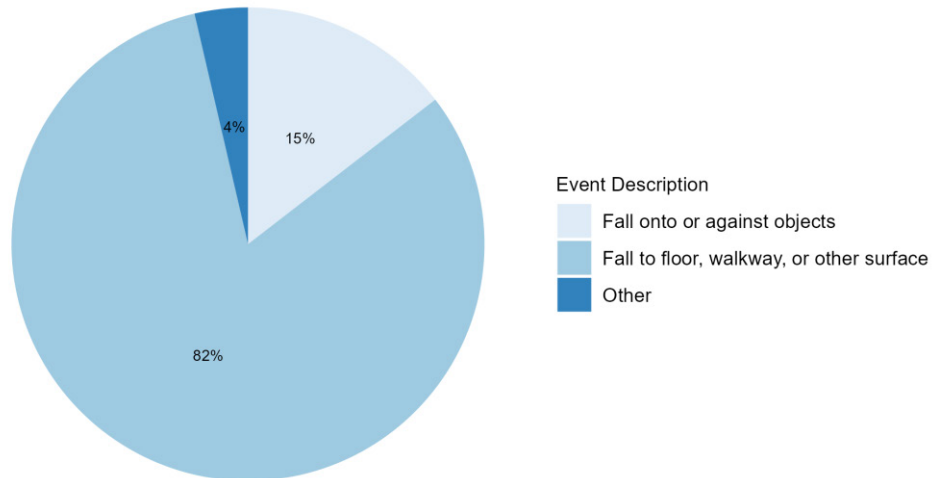
Fall to floor, walkway, or other surface

Other

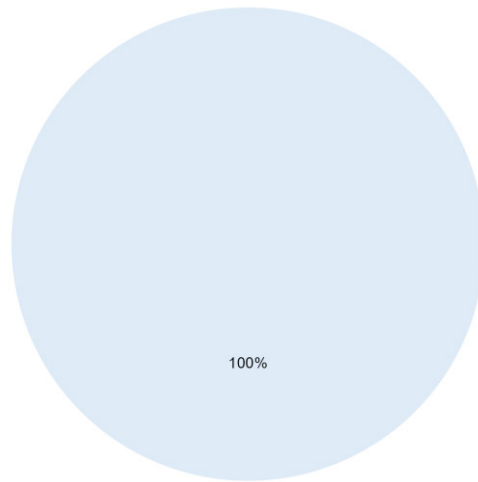
Hardware, Lumber and Building Materials Retailer



Horse Groom



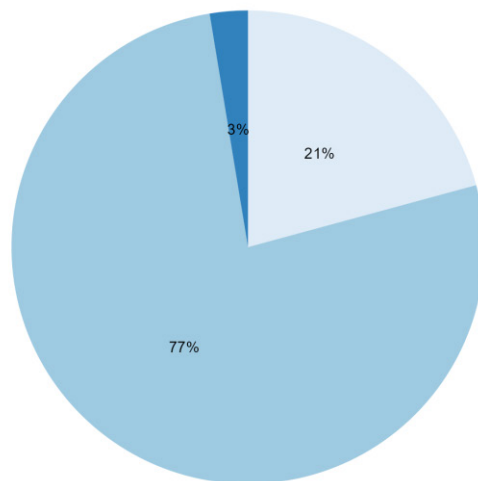
Horse Harness Maker



Event Description

Fall to floor, walkway, or other surface

Horticultural Technician



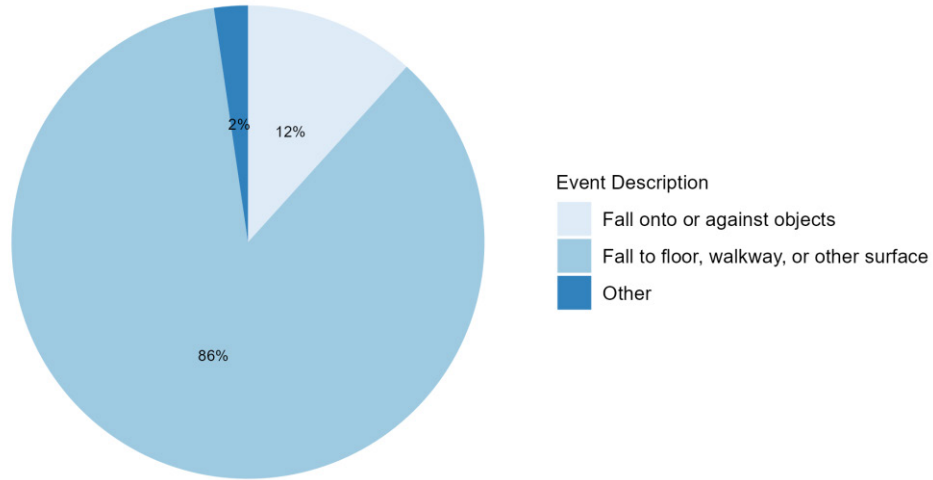
Event Description

Fall onto or against objects

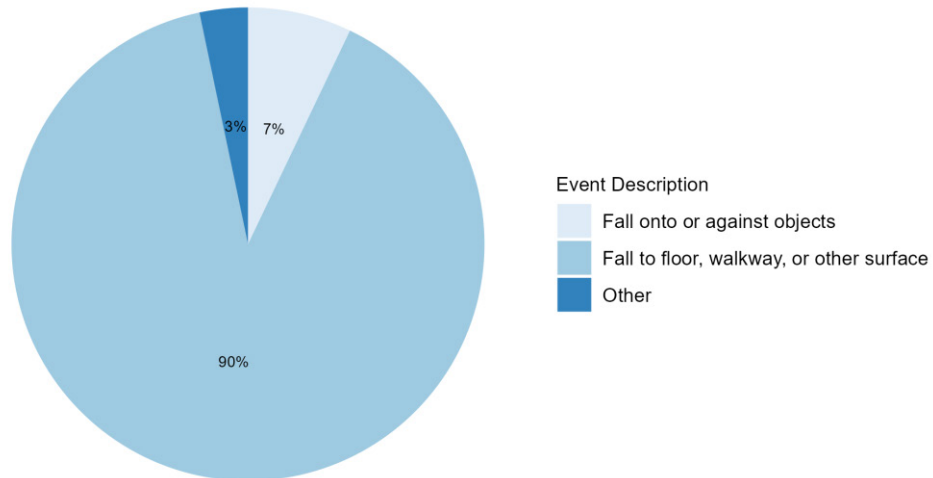
Fall to floor, walkway, or other surface

Other

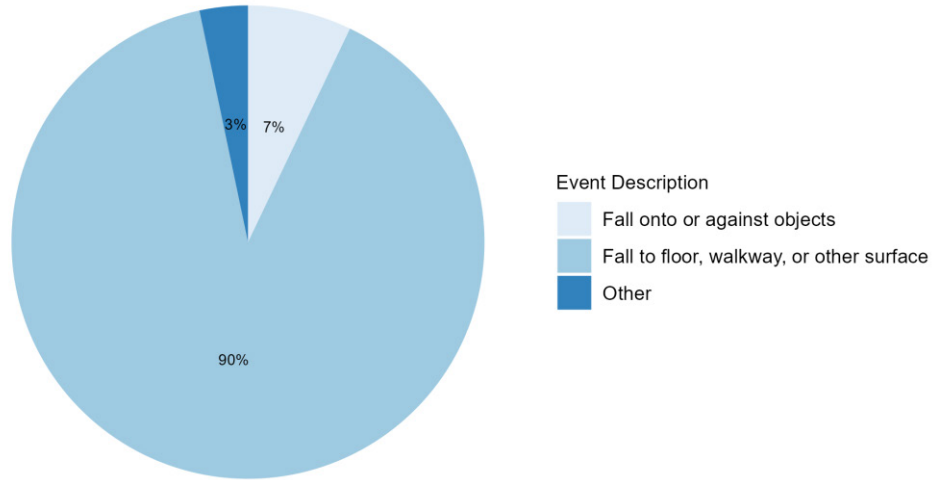
Institutional Cook



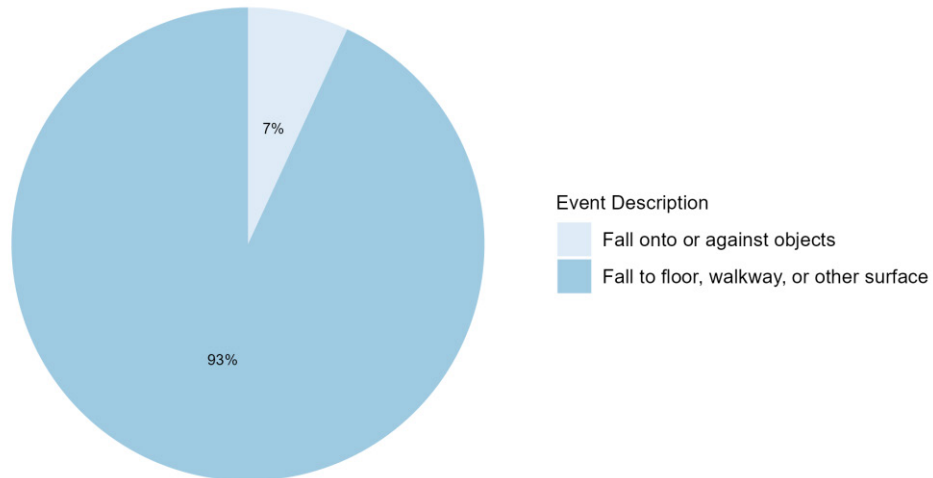
IT - Contact Centre Customer Service Agent



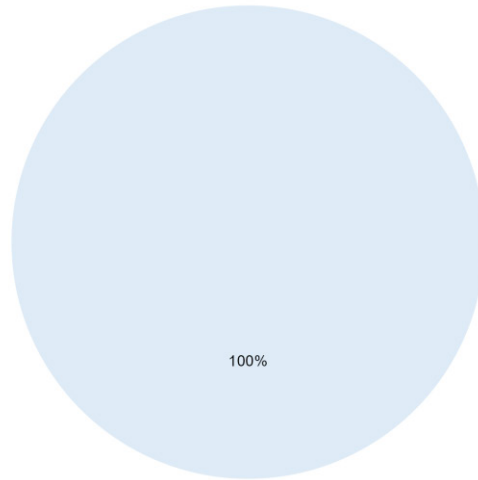
IT - Contact Centre Sales Agent



Micro Electronics Manufacturer



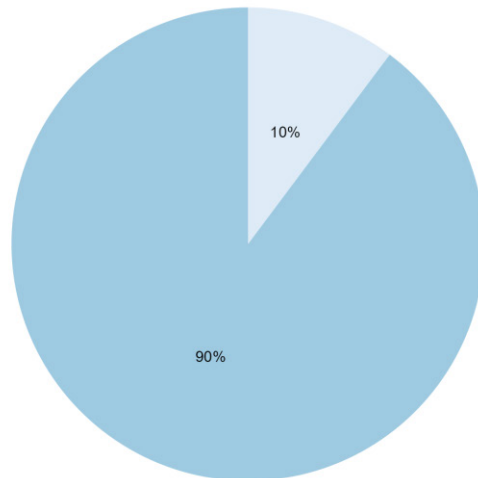
Native Clothing and Crafts Artisan





Event Description

 Fall to floor, walkway, or other surface

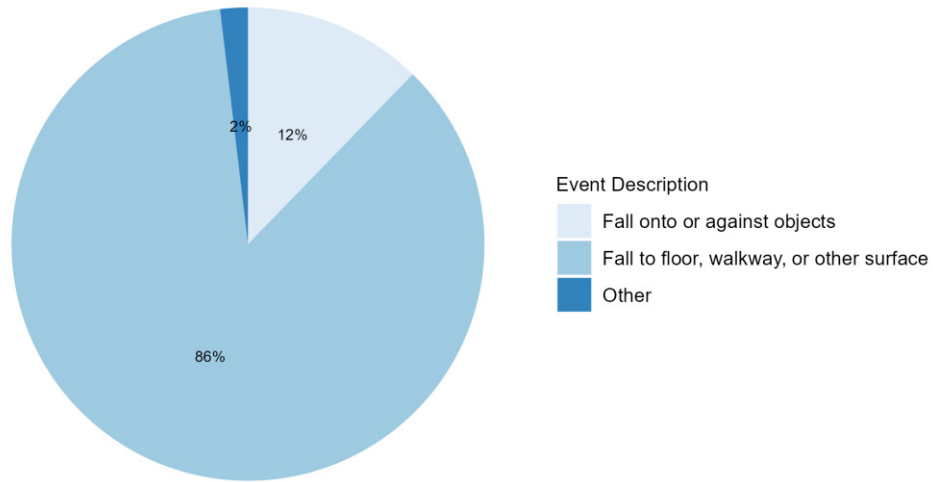
Network Cabling Specialist



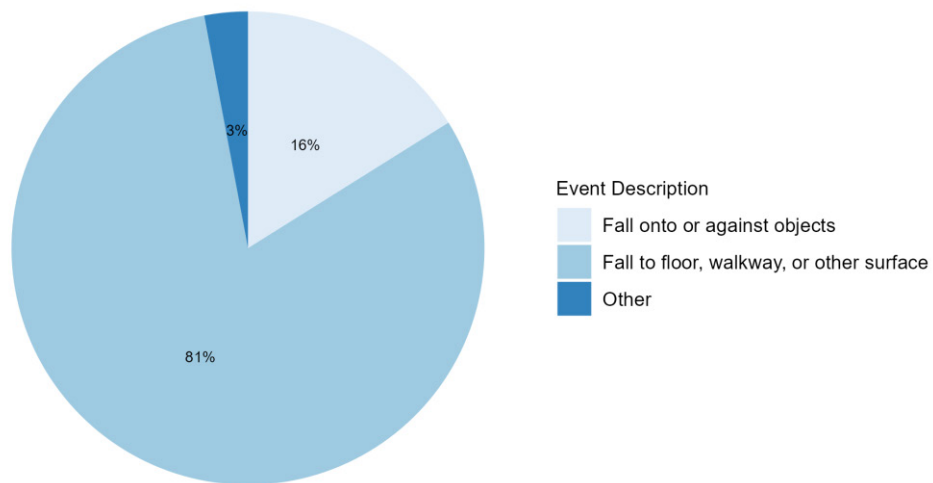
Event Description

 Fall onto or against objects
 Fall to floor, walkway, or other surface

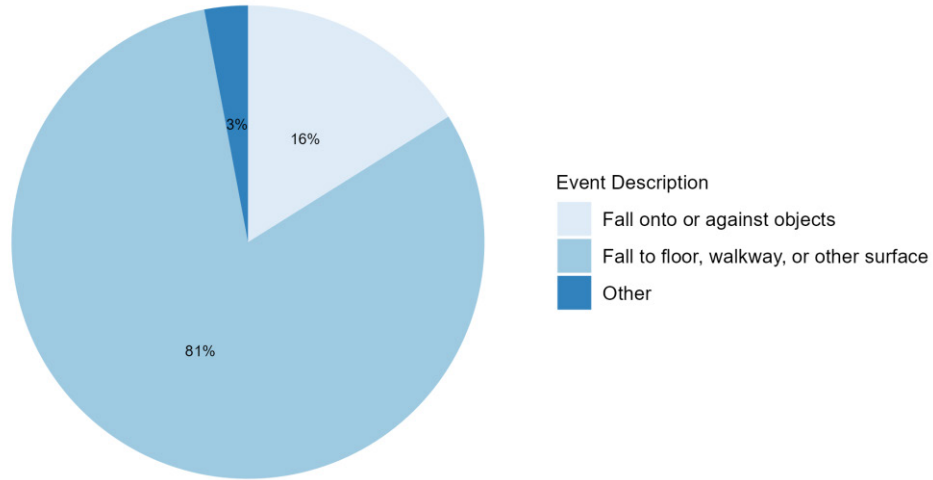
Parts Technician



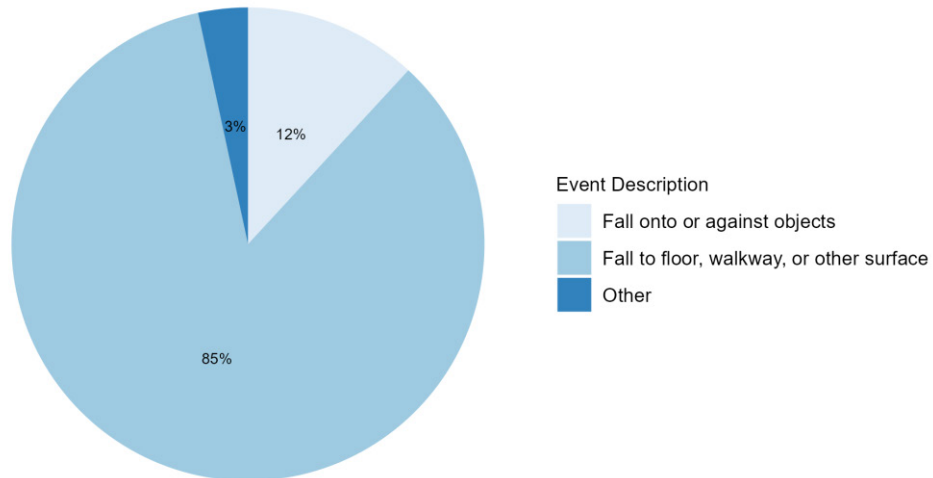
Pool, Hot Tub and Spa - Installer



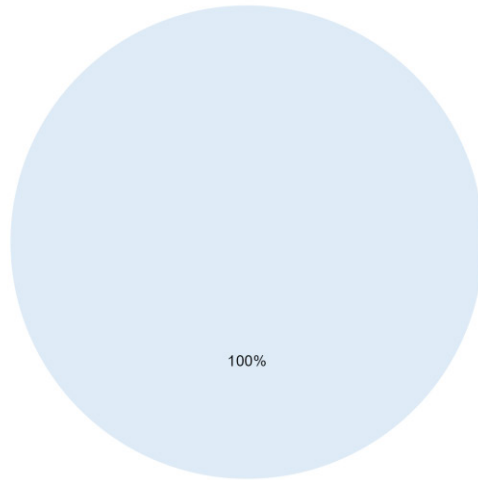
Pool, Hot Tub and Spa - Service Technician




Retail Meat Cutter



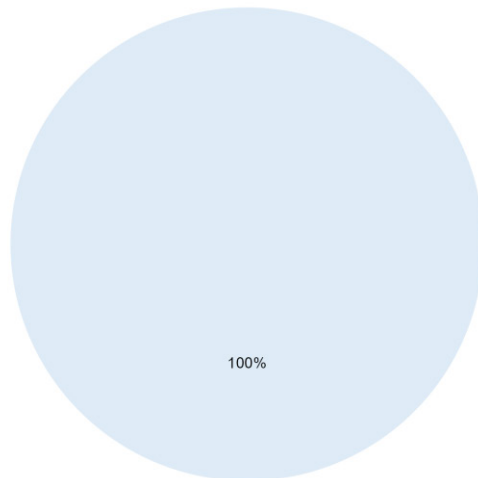
Saddlery



Event Description

 Fall to floor, walkway, or other surface

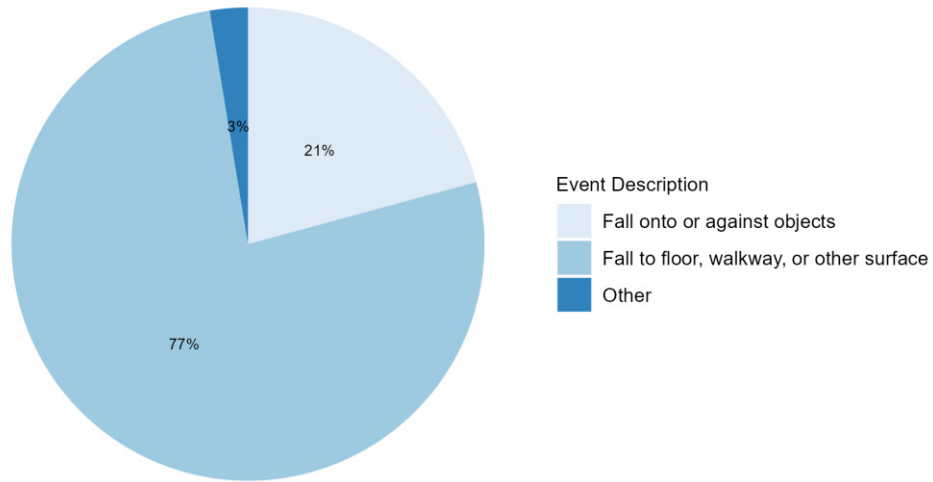
Special Events Coordinator



Event Description

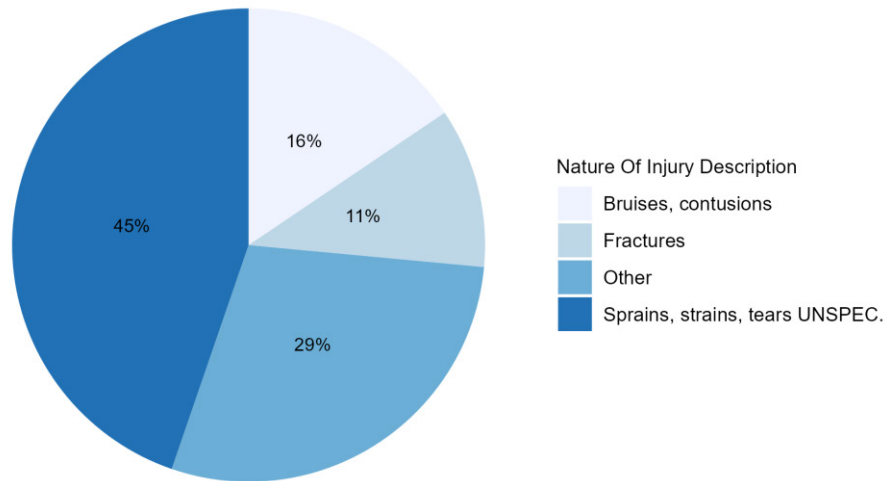
 Fall to floor, walkway, or other surface

Utility Arborist

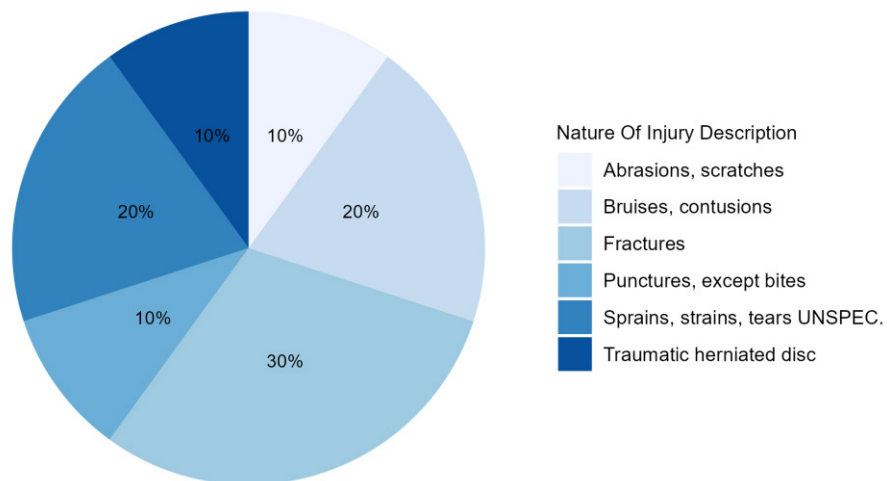


Section 13: Breakdown of *fall on same level* claims by Nature of Injury Description

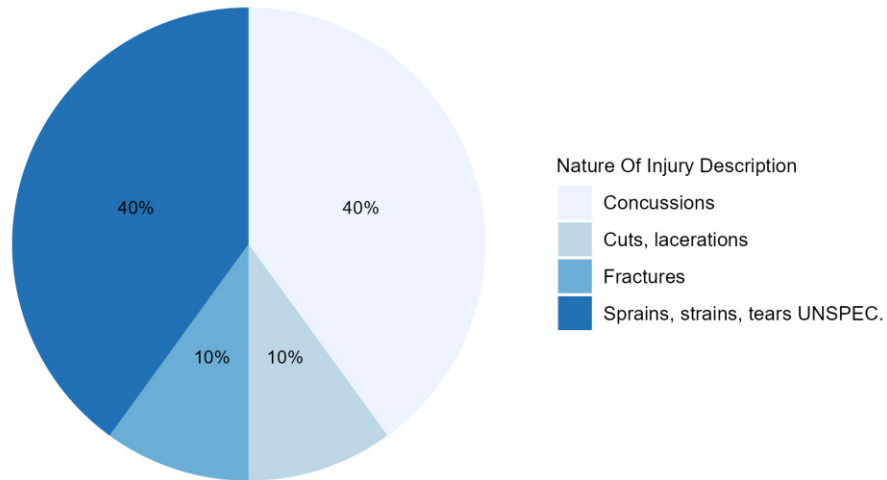
Aboriginal Child Development Practitioner



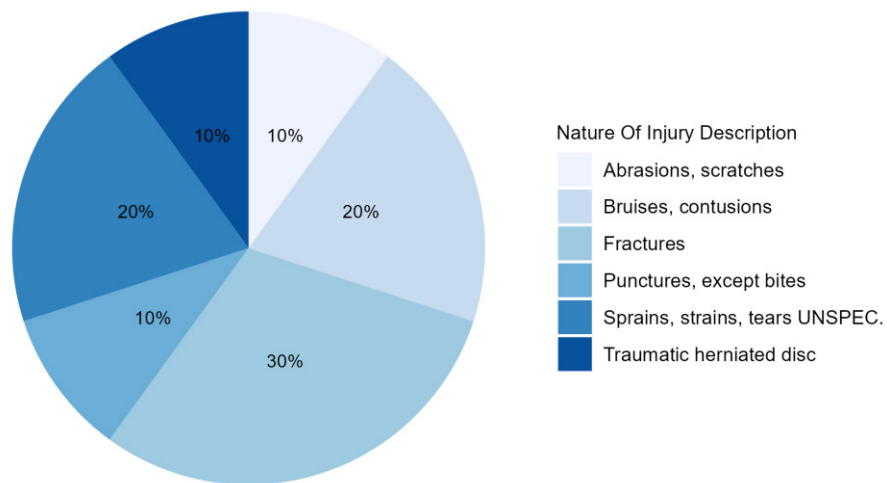
Agricultural - Dairy Herdsperson



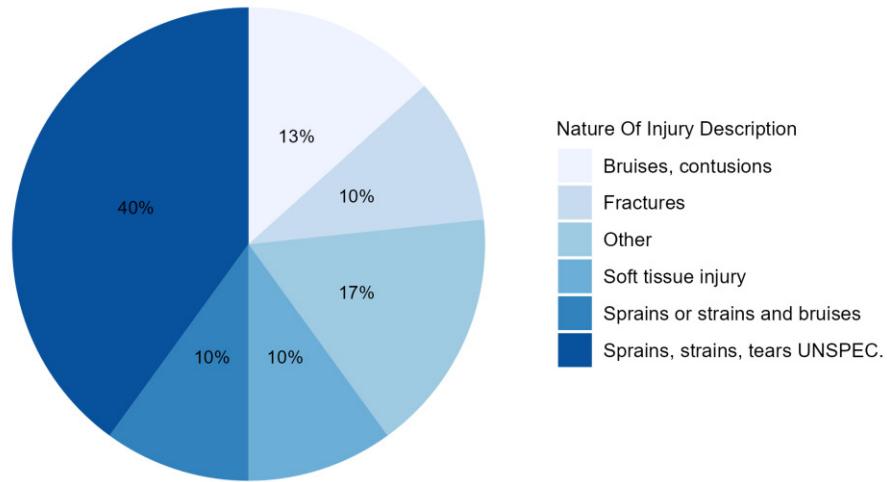
Agricultural - Fruit Grower



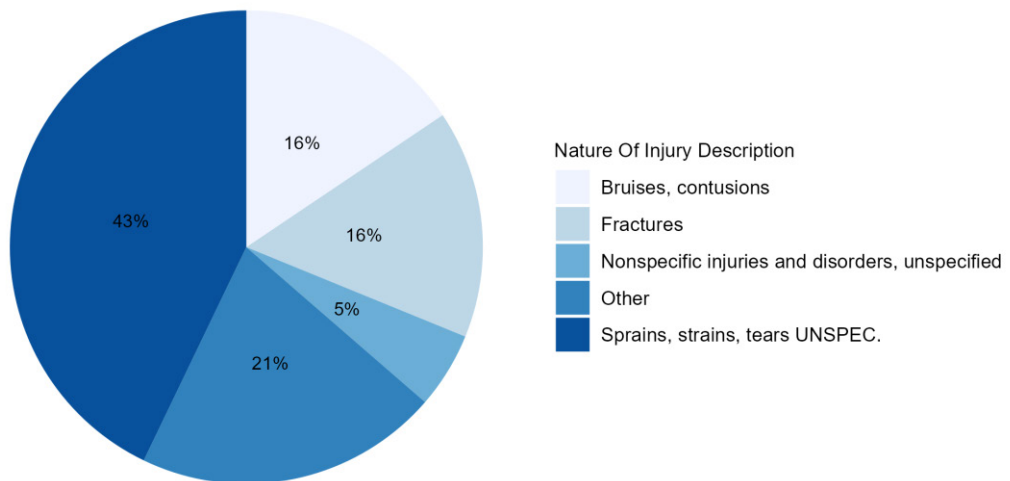
Agricultural - Swine Herdperson



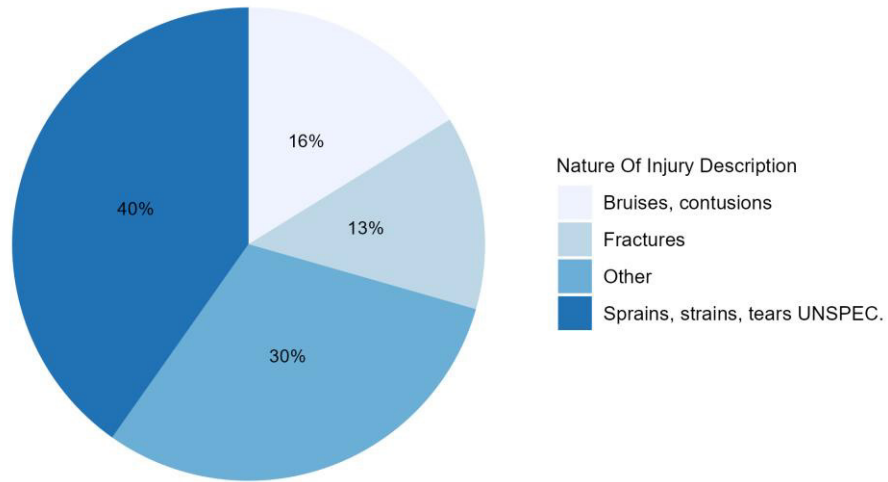
Appliance Service Technician



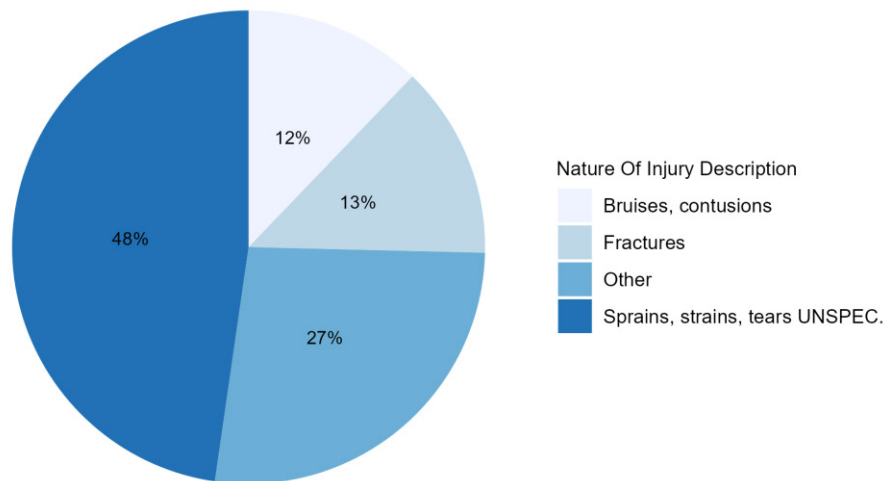
Arborist



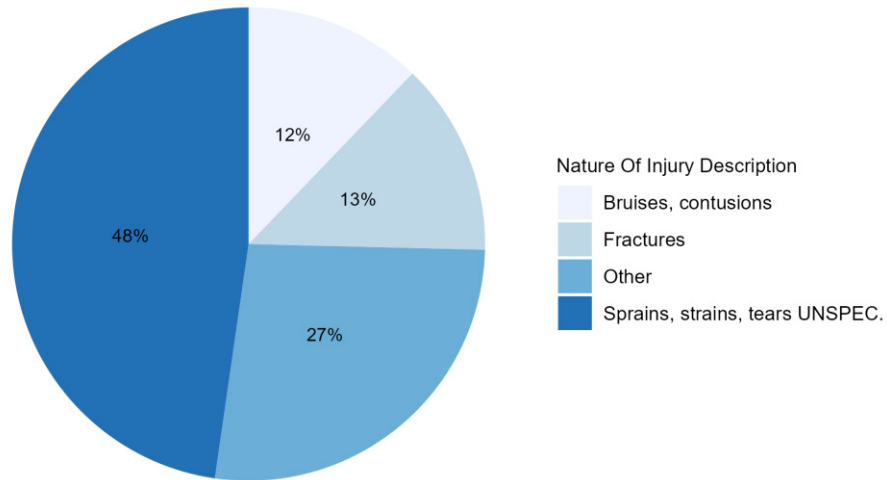
Assistant Cook



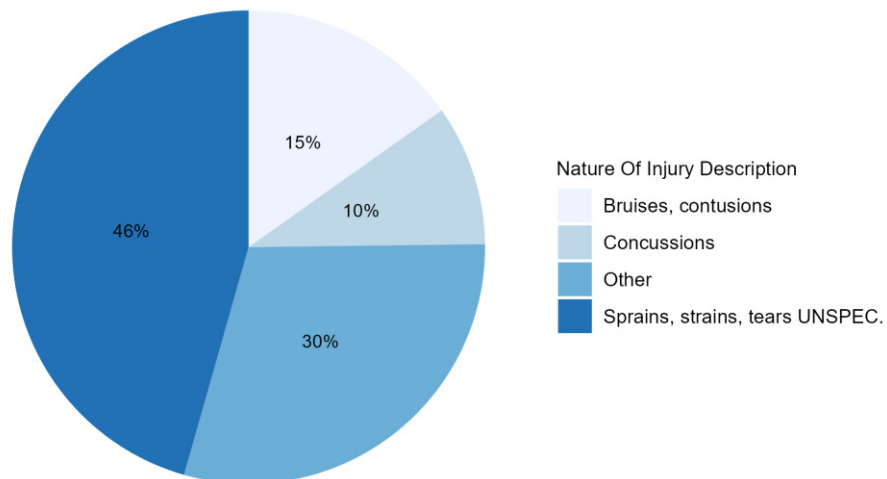
Baker



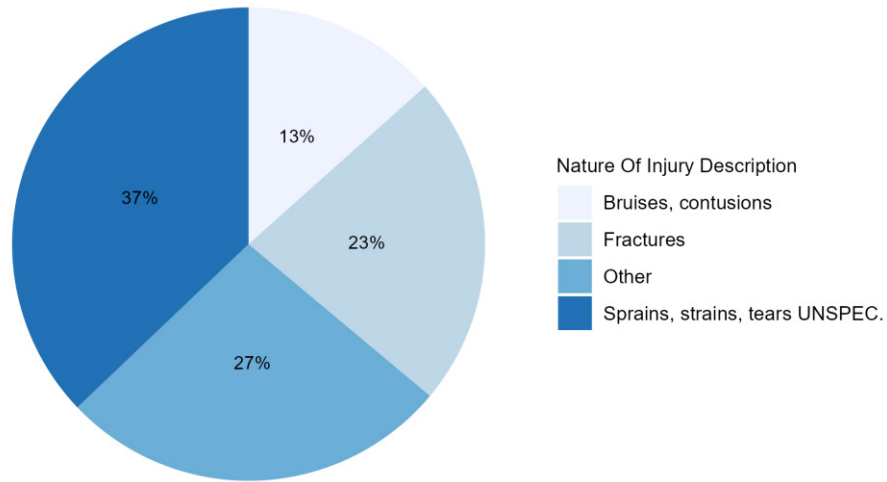
Baker-Patisserie



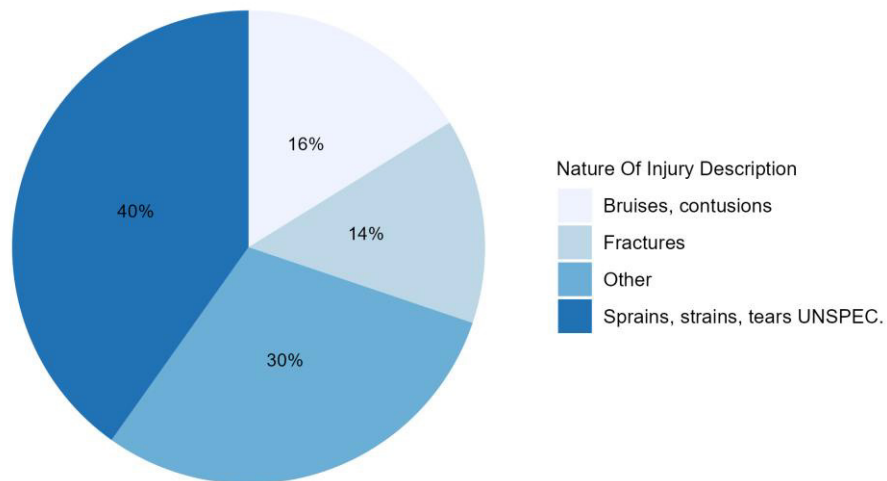
Bicycle Mechanic



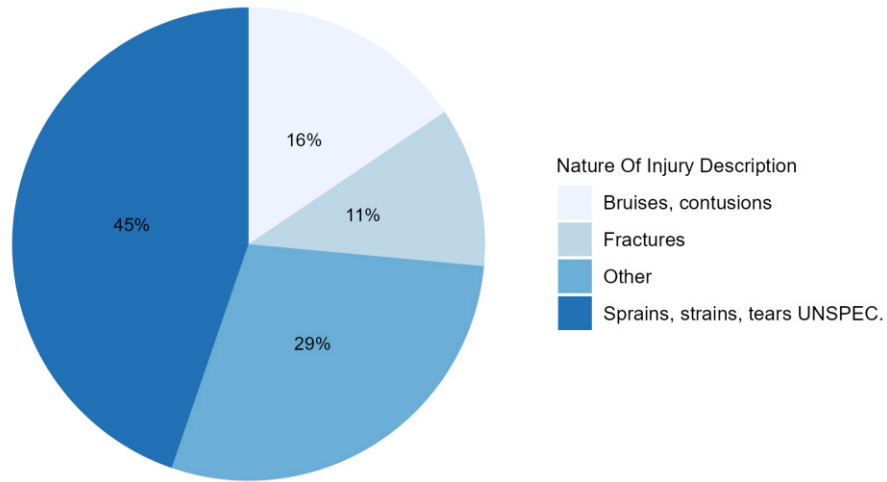
Chef



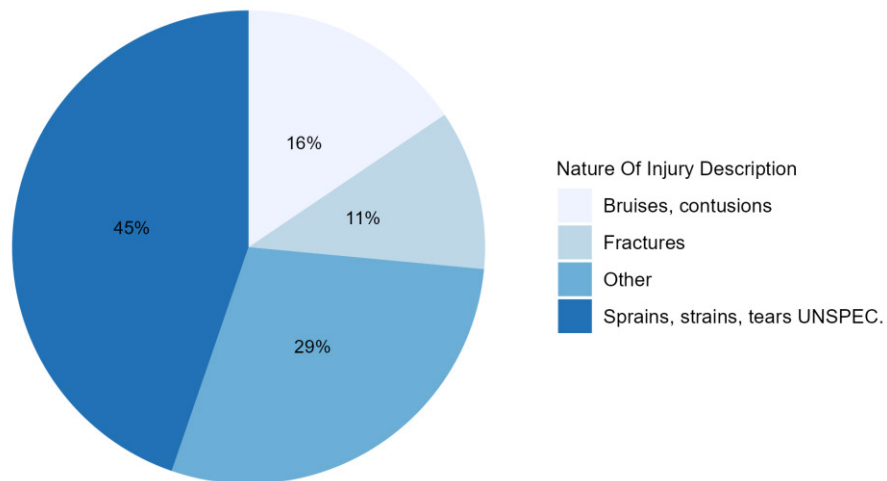
Child and Youth Worker



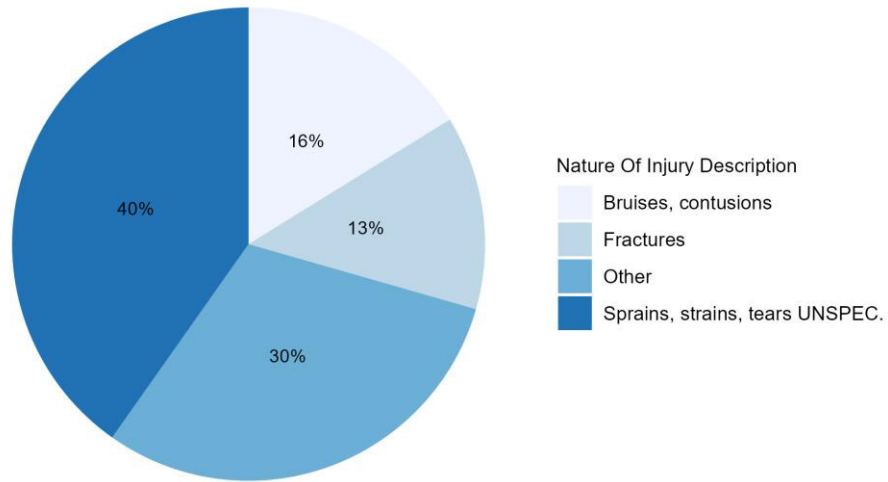
Child Development Practitioner - Inclusion Practices



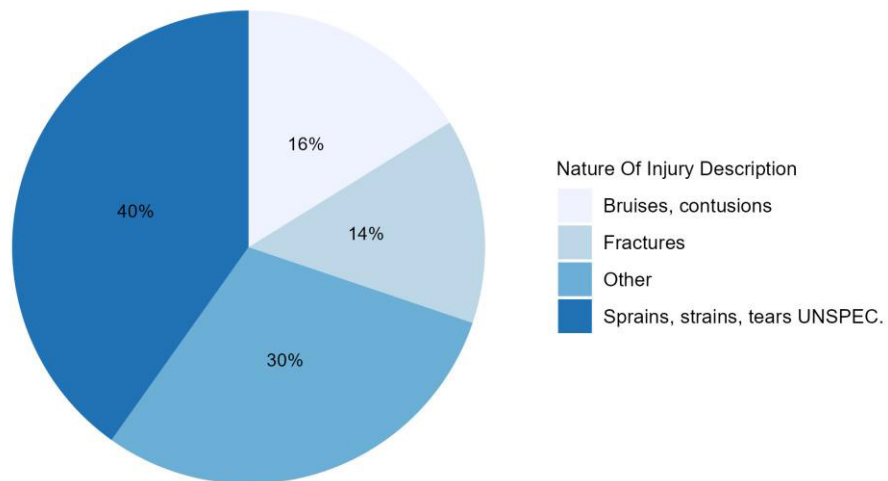
Child Development Practitioner



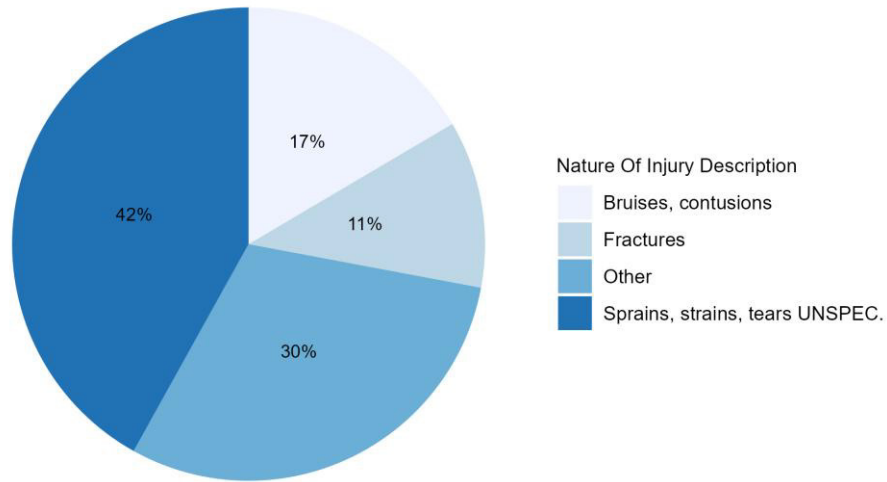
Cook



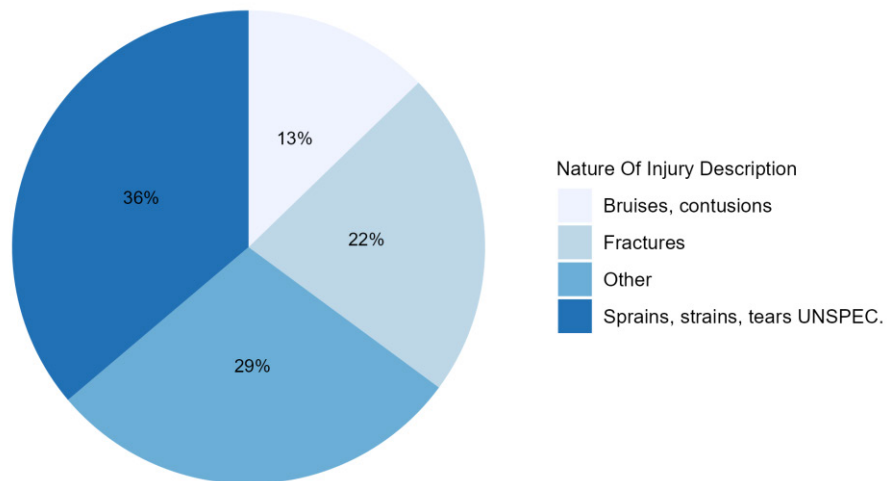
Developmental Services Worker



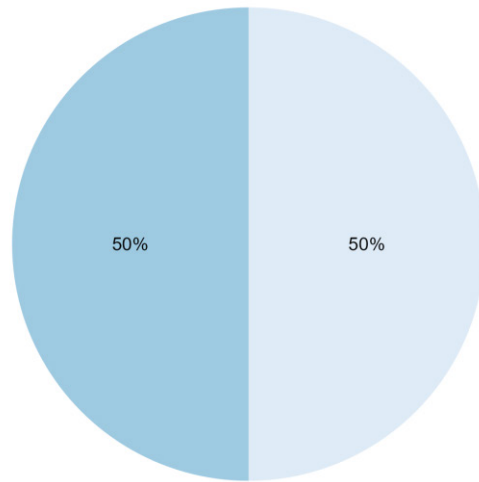
Educational Assistant



Electronic Service Technician



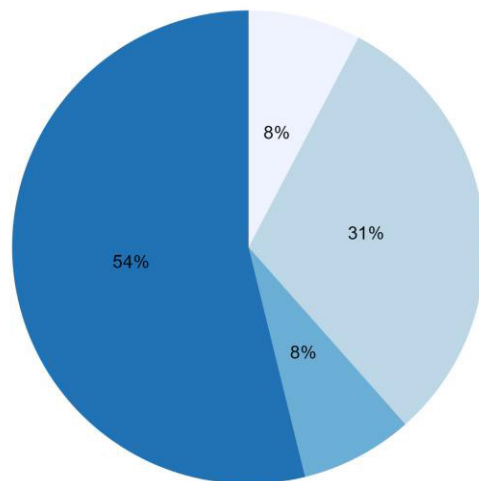
Gemsetter/Goldsmith



Nature Of Injury Description

- Fractures
- Sprains, strains, tears UNSPEC.

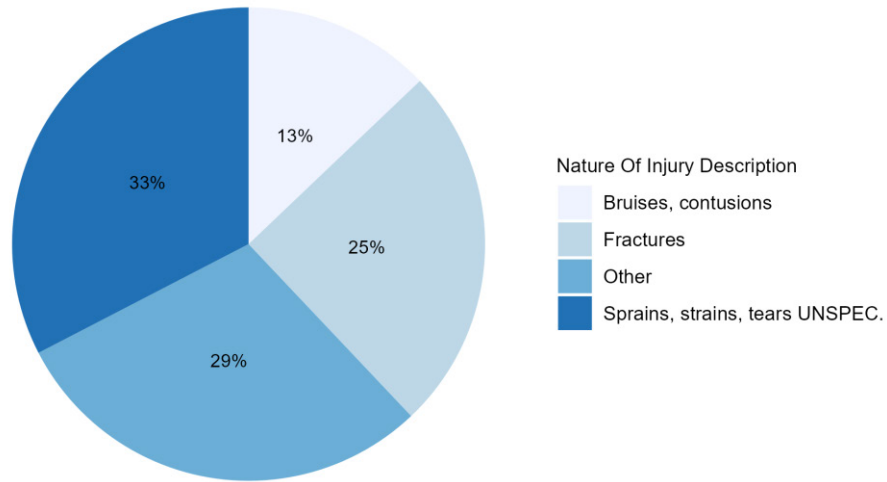
Hairstylist



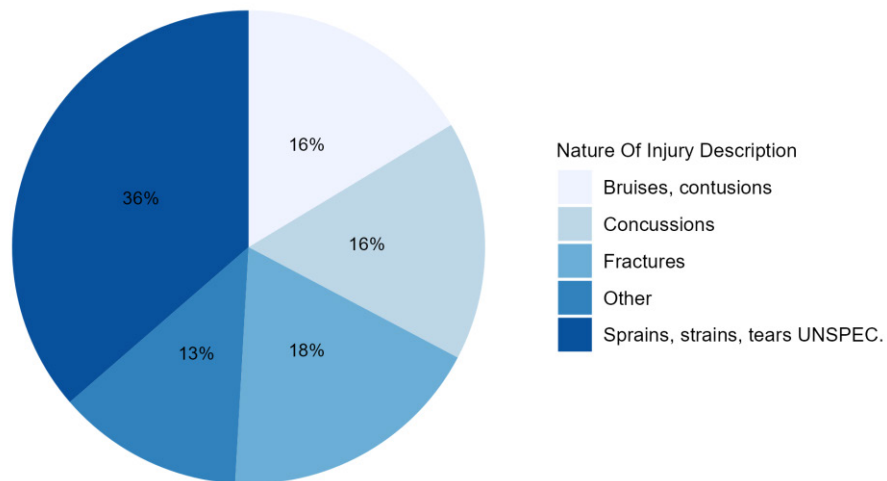
Nature Of Injury Description

- Bruises, contusions
- Fractures
- Soft tissue injury
- Sprains, strains, tears UNSPEC.

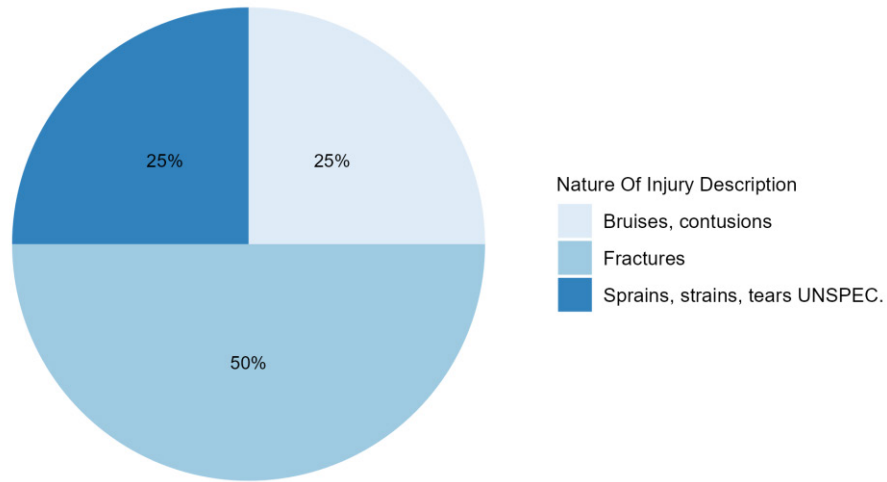
Hardware, Lumber and Building Materials Retailer



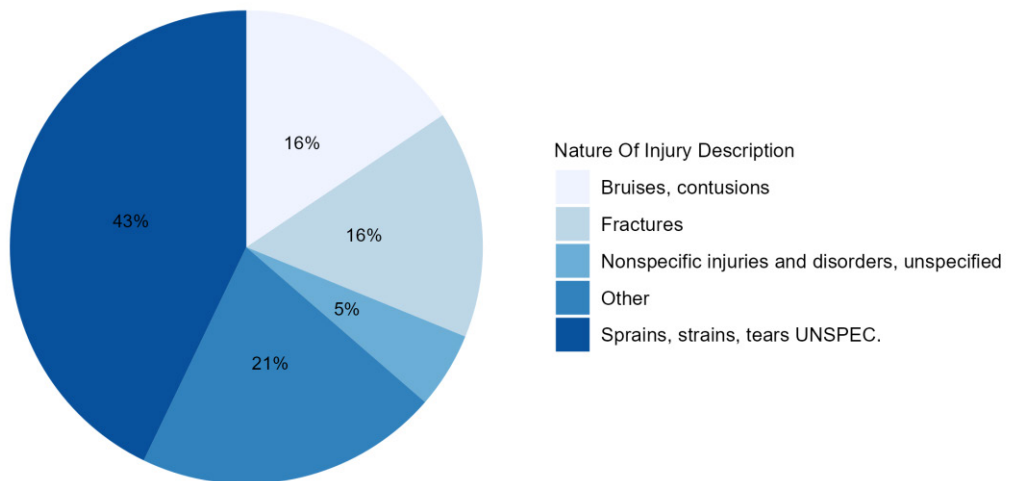
Horse Groom



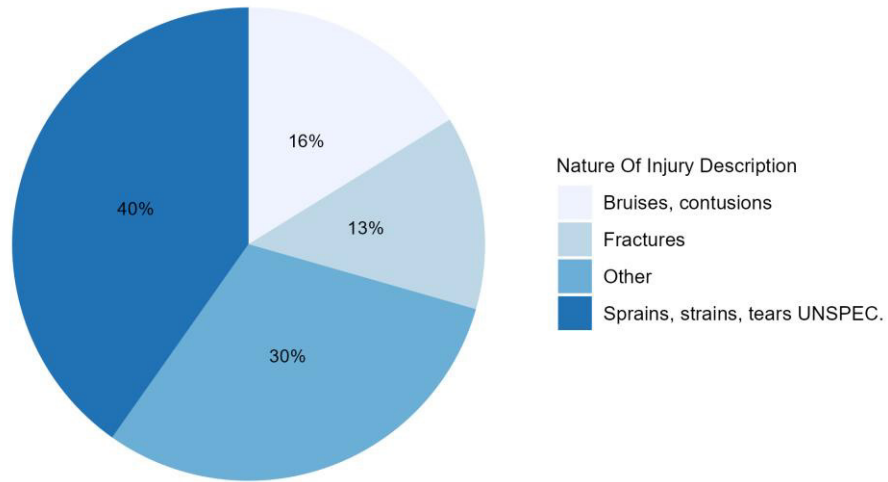
Horse Harness Maker



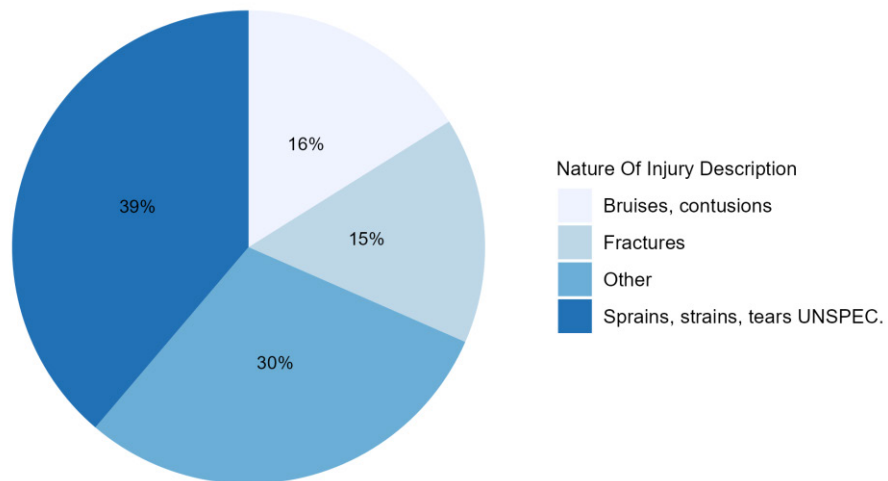
Horticultural Technician



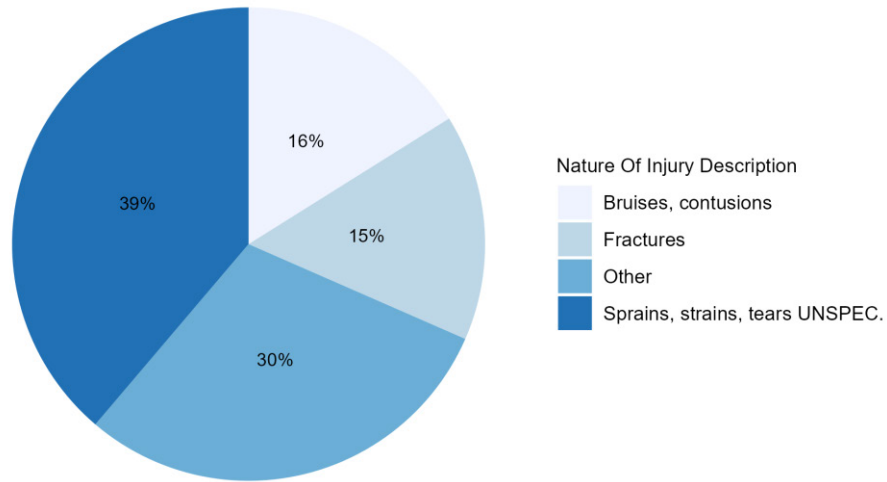
Institutional Cook



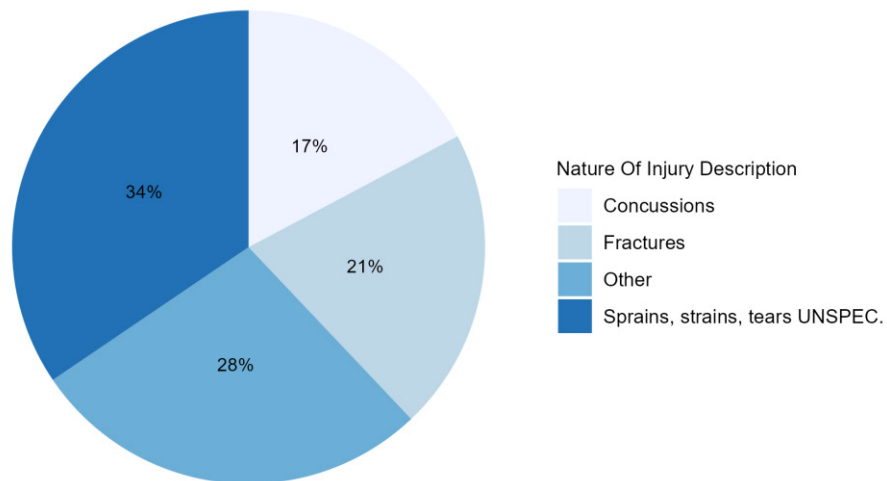
IT - Contact Centre Customer Service Agent



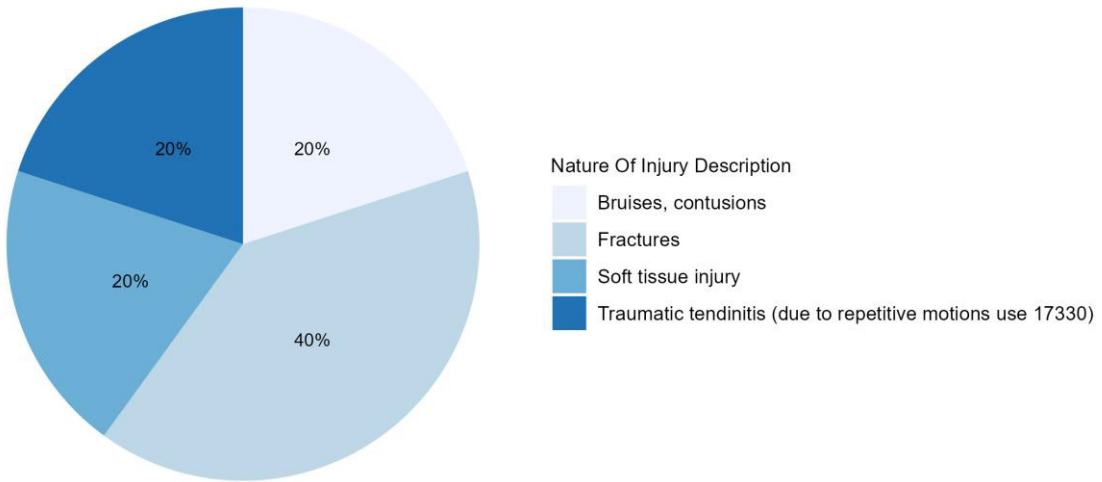
IT - Contact Centre Sales Agent



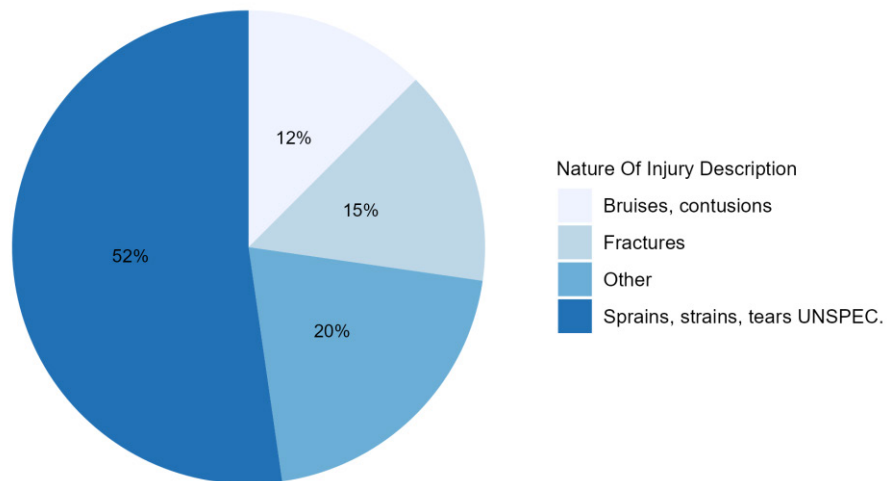
Micro Electronics Manufacturer



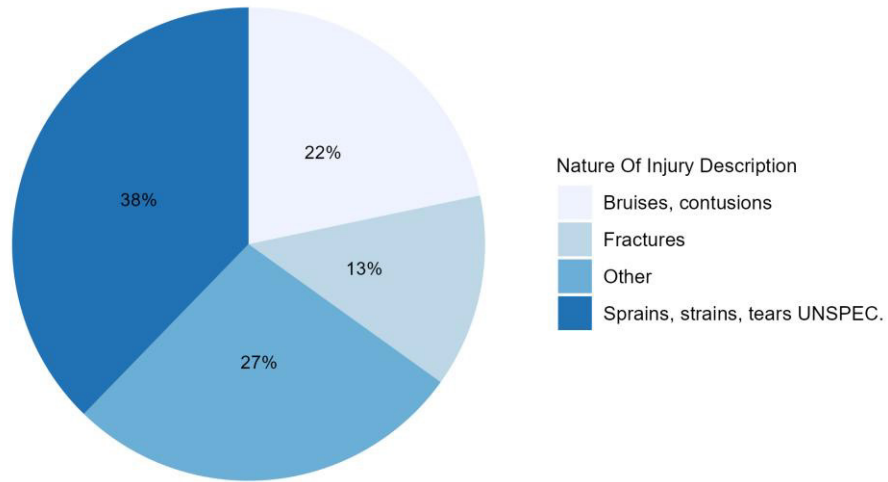
Native Clothing and Crafts Artisan



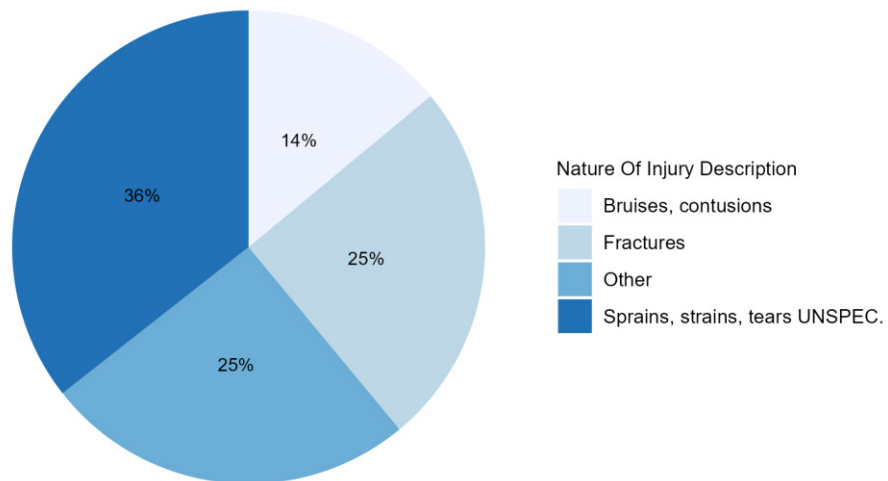
Network Cabling Specialist



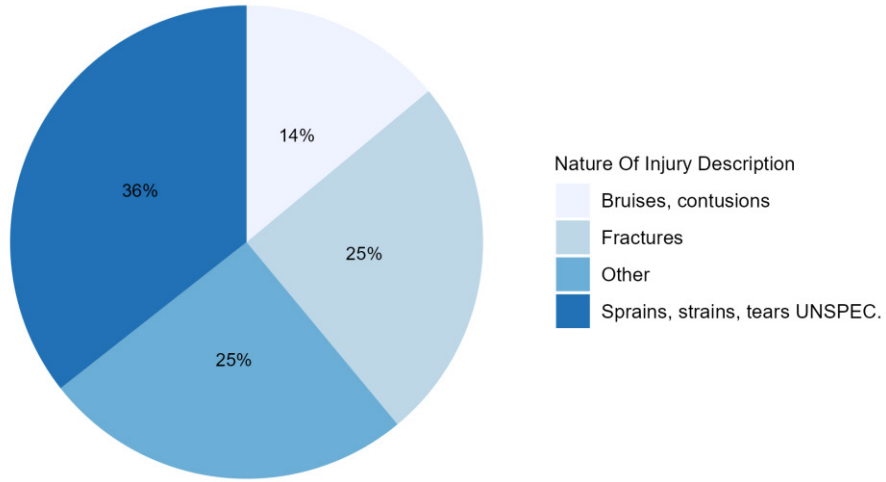
Parts Technician



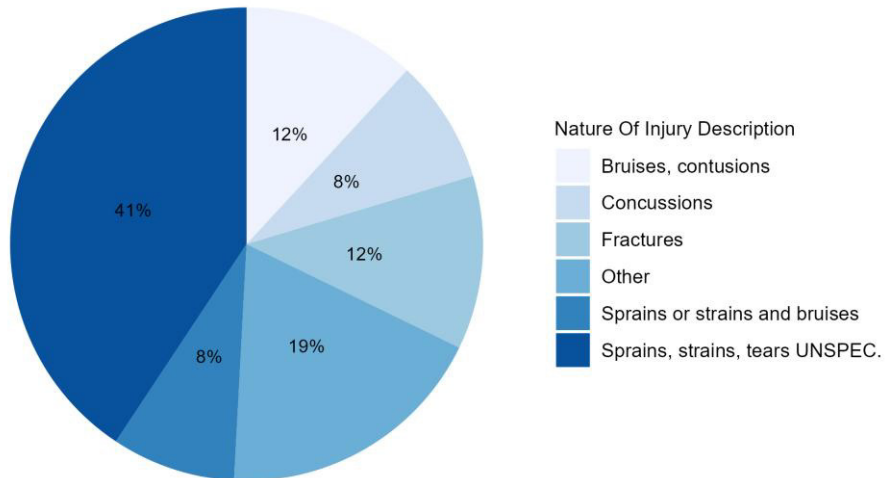
Pool, Hot Tub and Spa - Installer



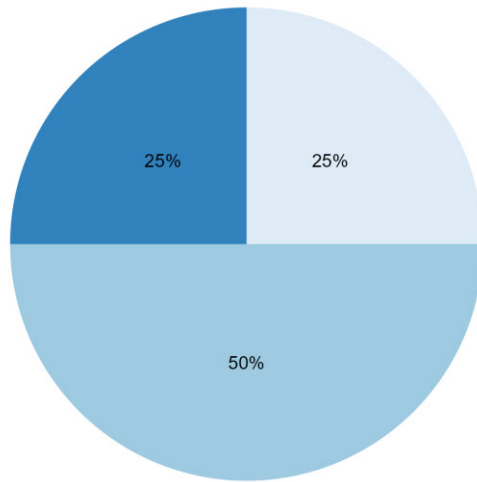
Pool, Hot Tub and Spa - Service Technician



Retail Meat Cutter



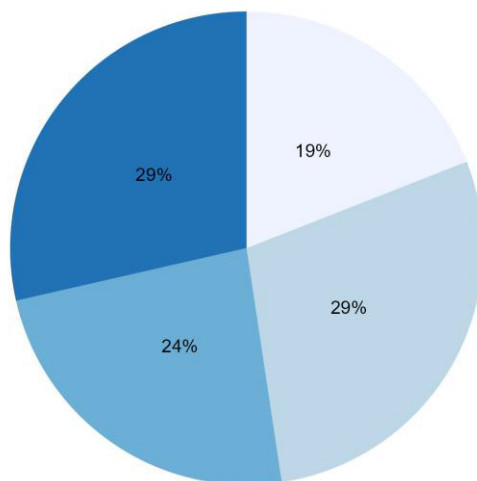
Saddlery



Nature Of Injury Description

- Bruises, contusions
- Fractures
- Sprains, strains, tears UNSPEC.

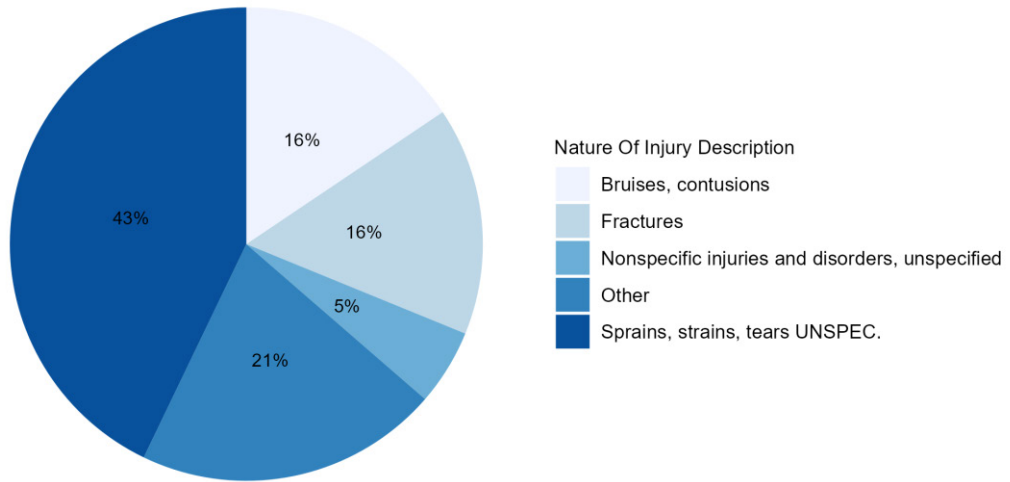
Special Events Coordinator



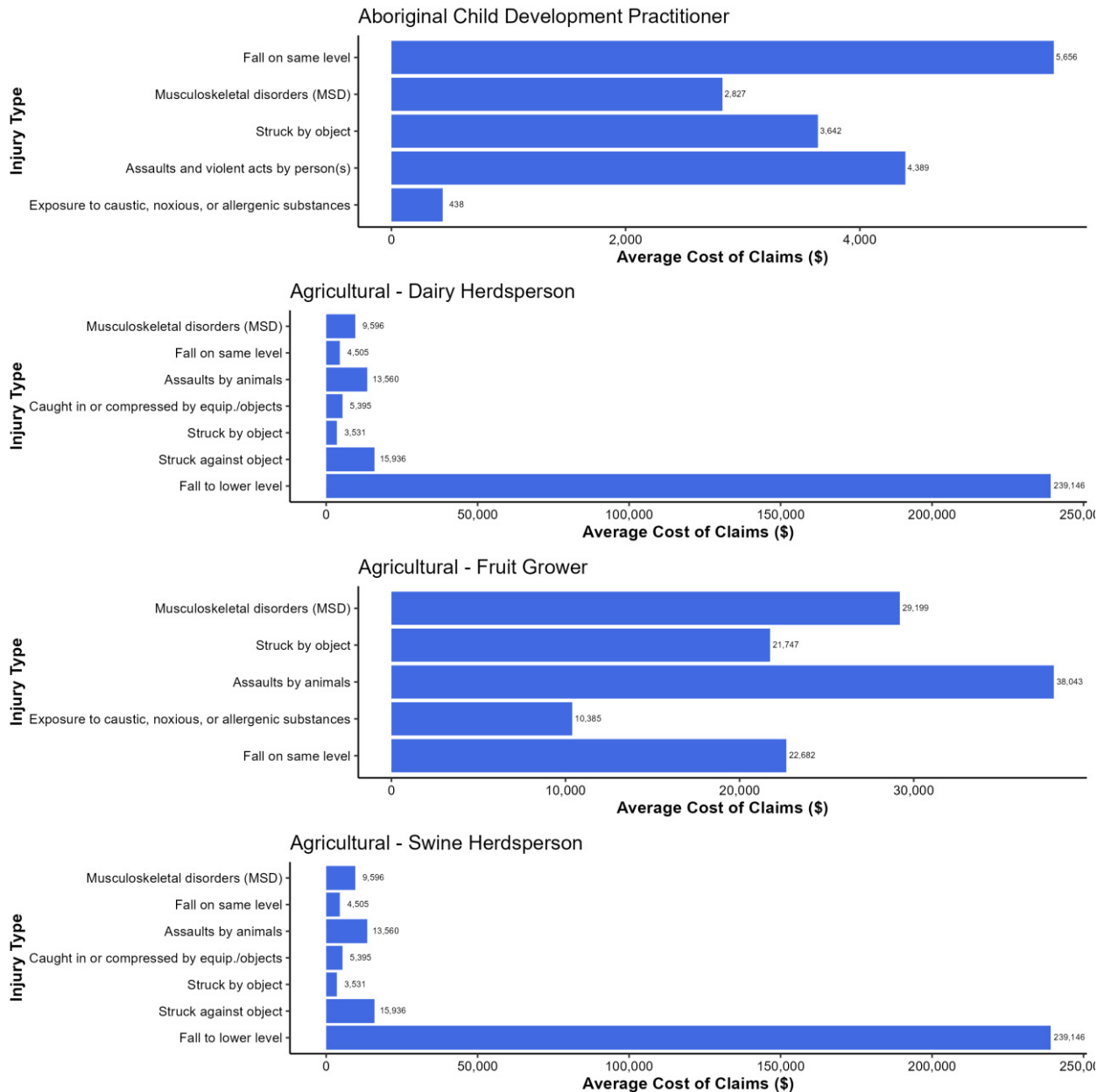
Nature Of Injury Description

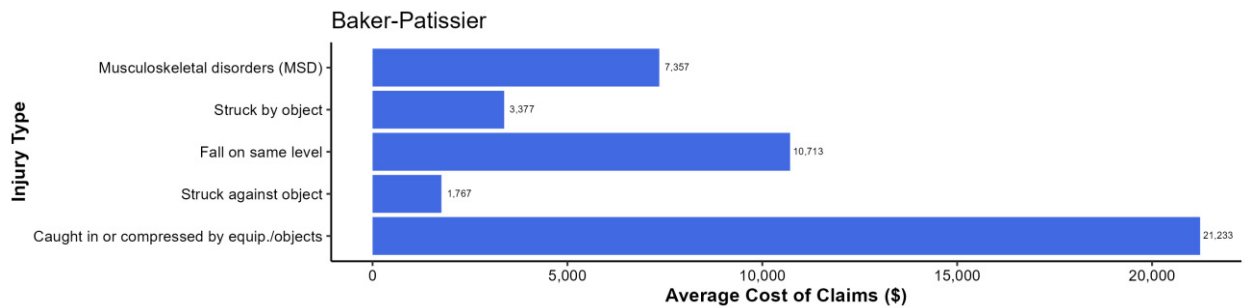
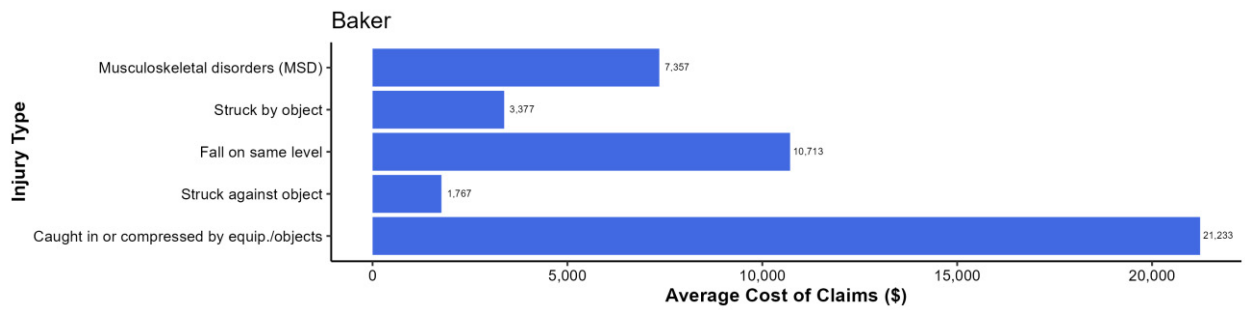
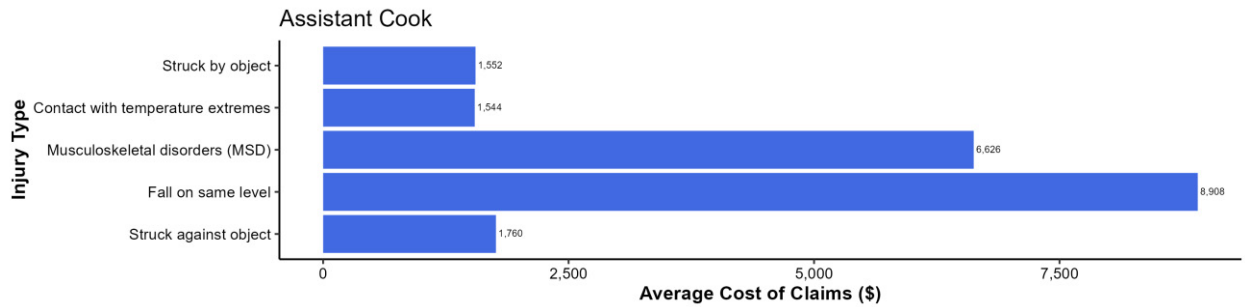
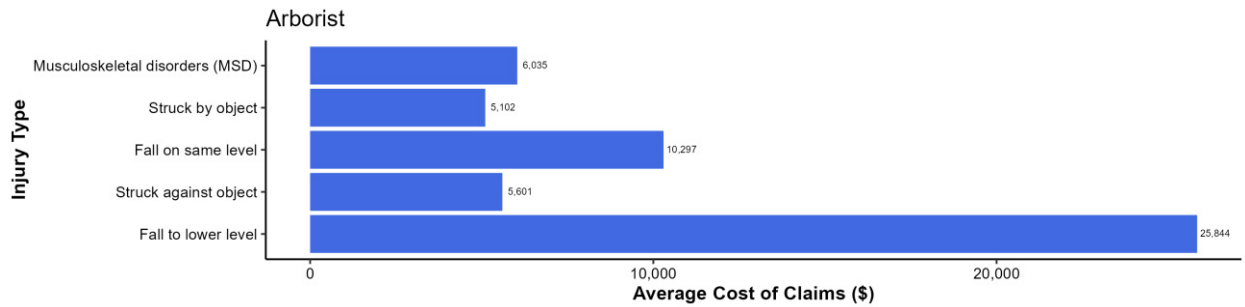
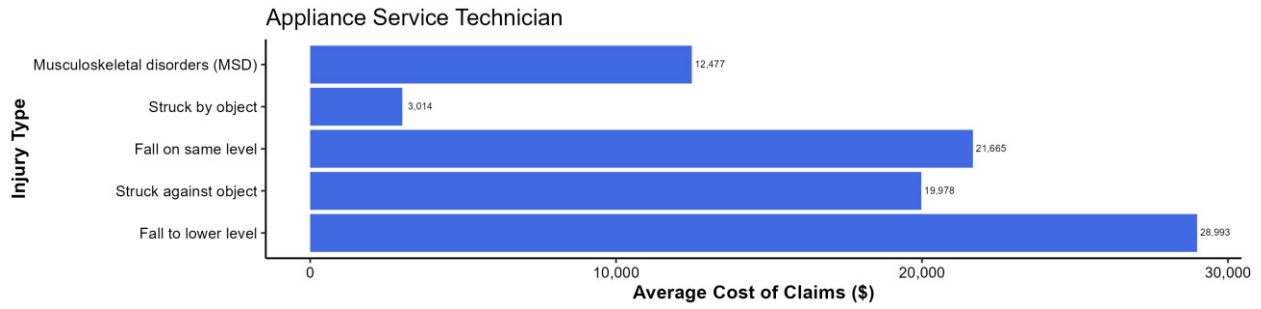
- Concussions
- Fractures
- Other
- Sprains, strains, tears UNSPEC.

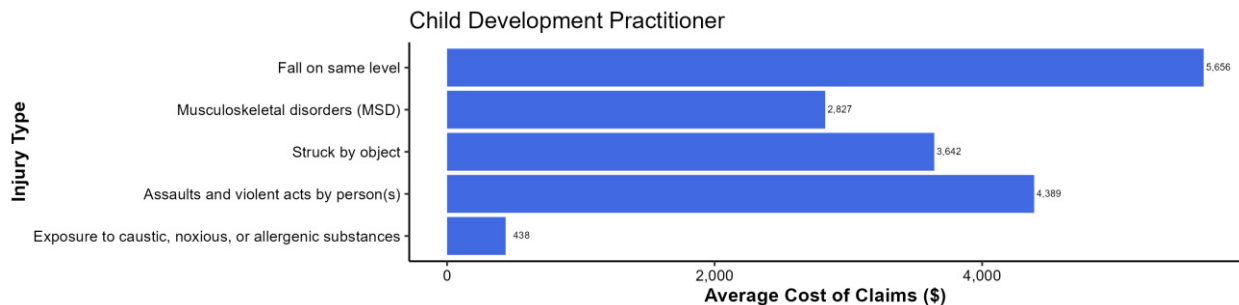
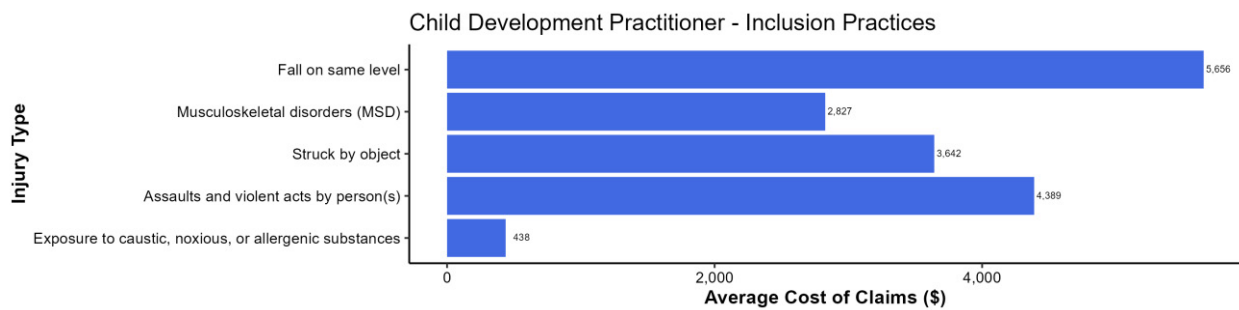
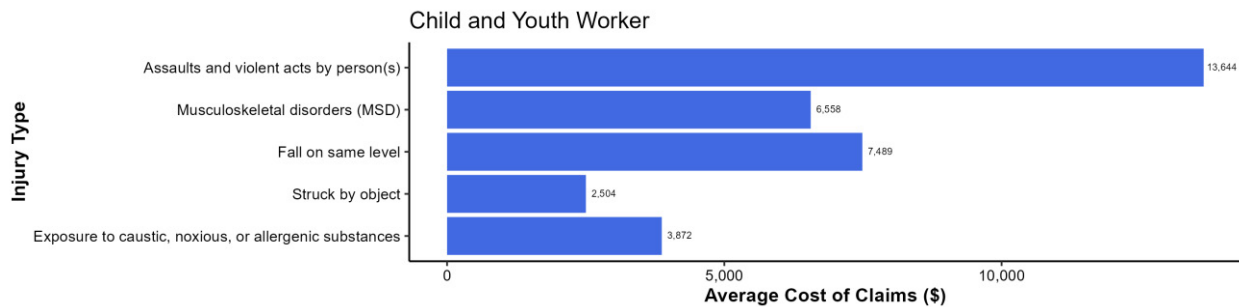
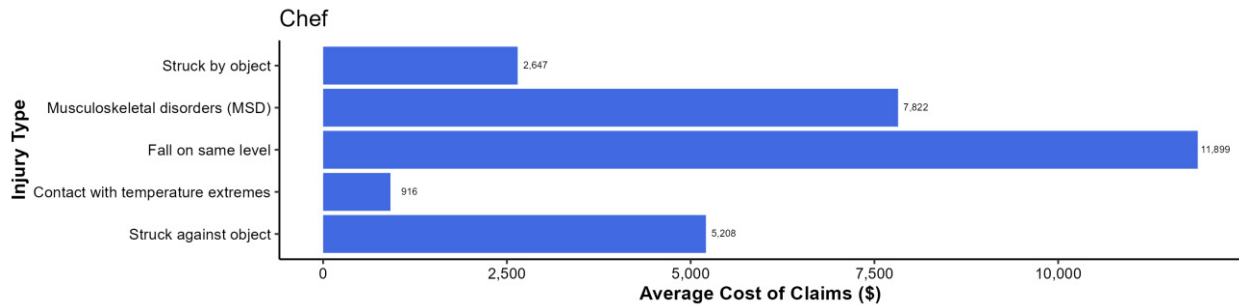
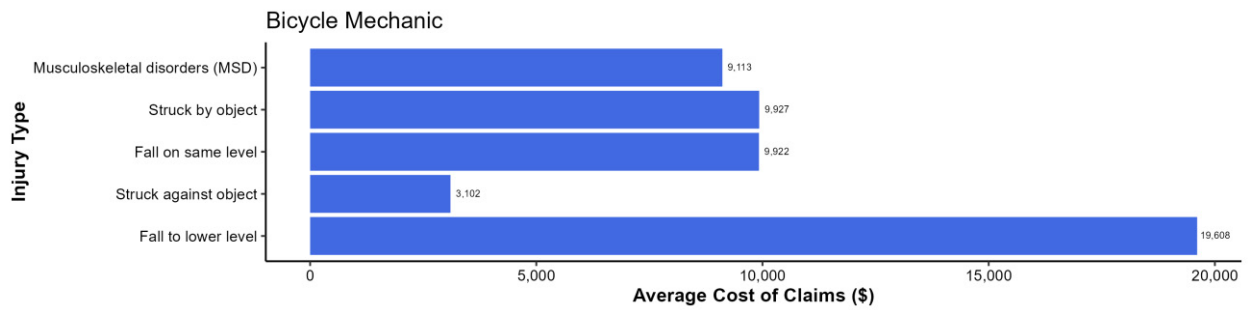
Utility Arborist



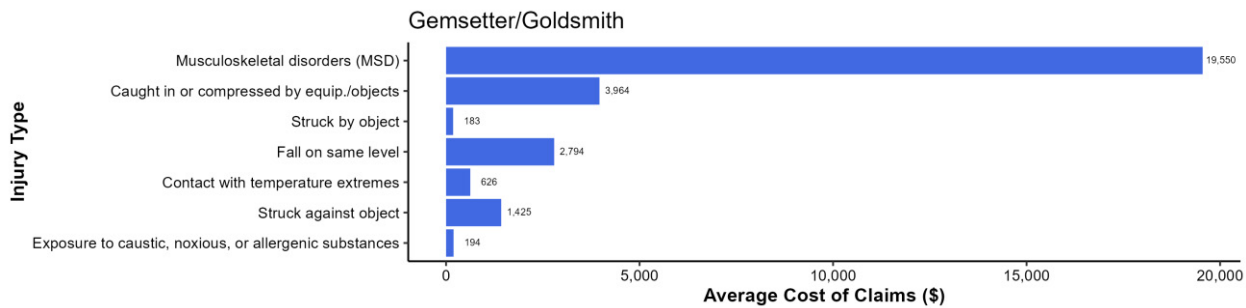
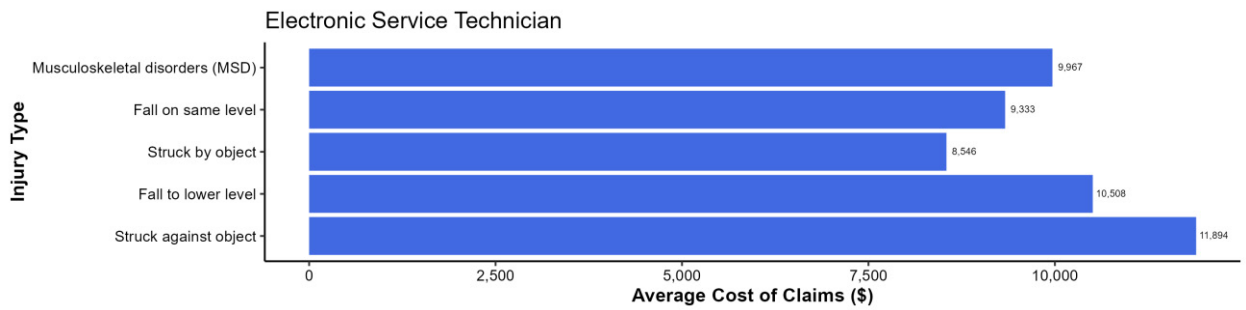
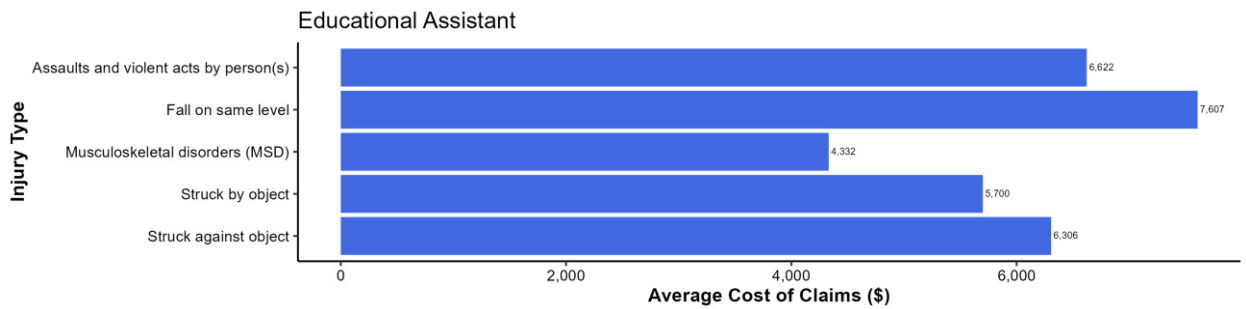
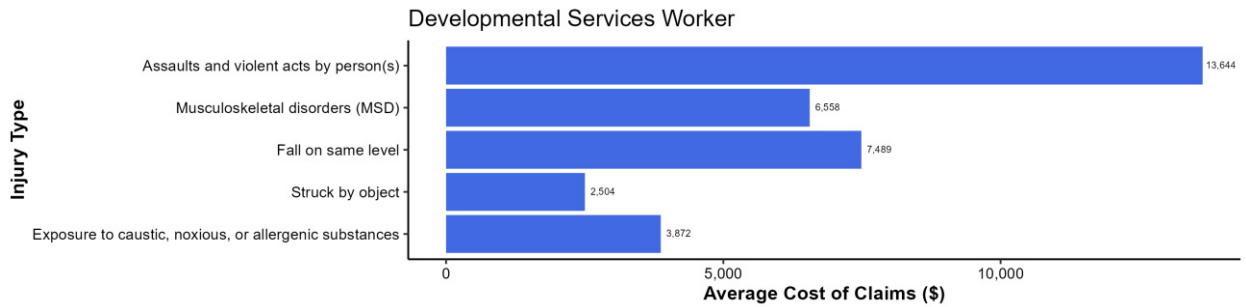
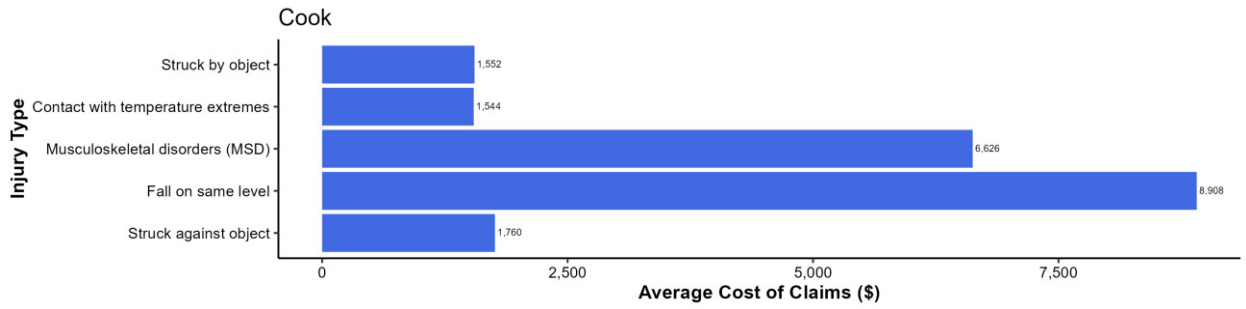
Section 14: Average cost of claim for the five most common injury types

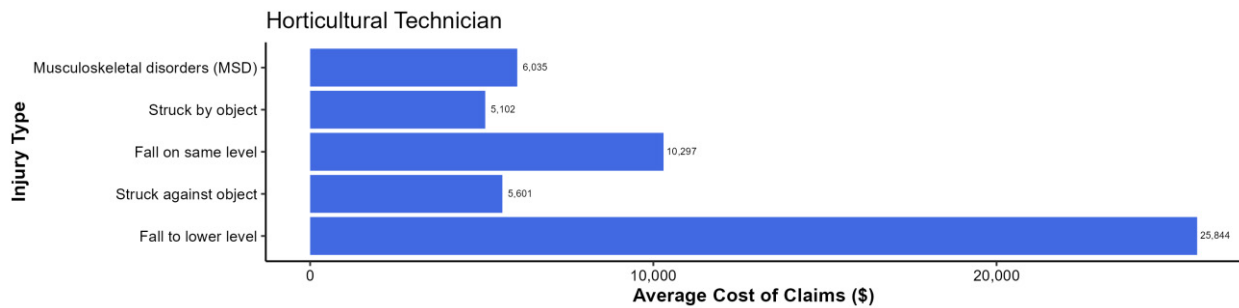
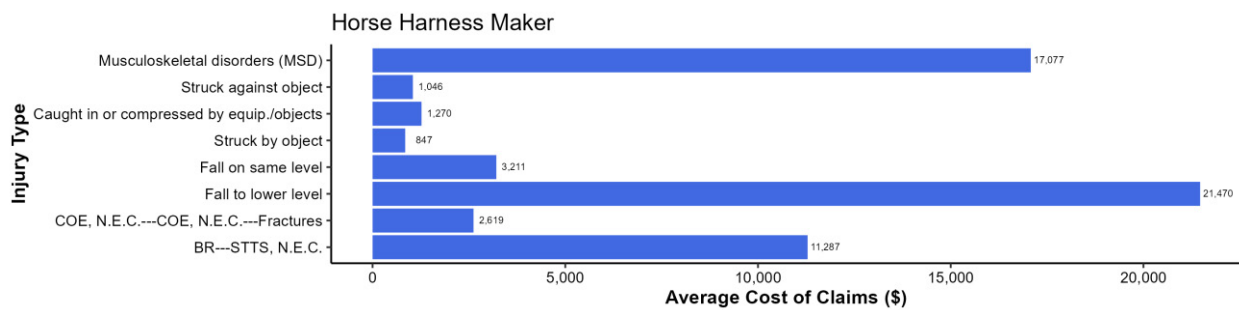
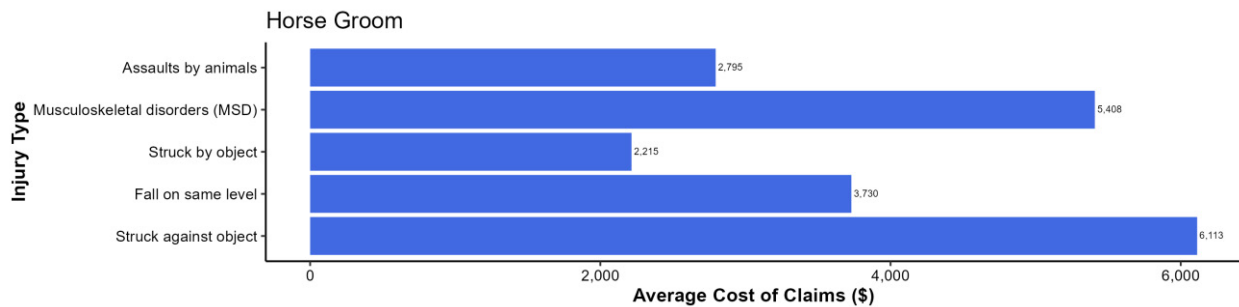
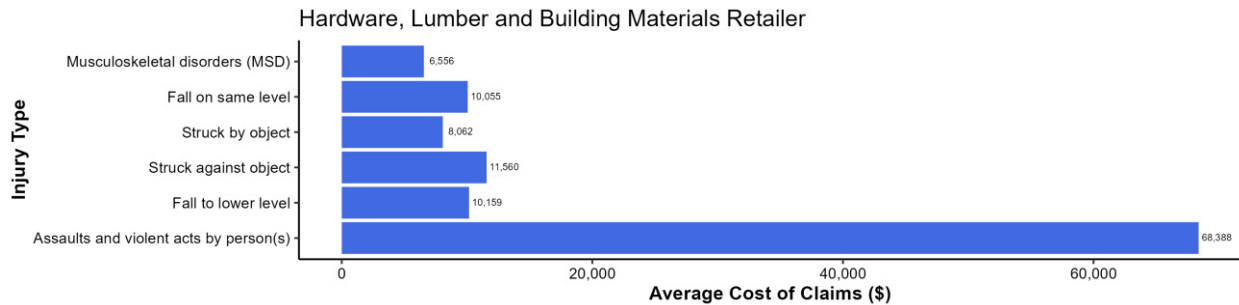
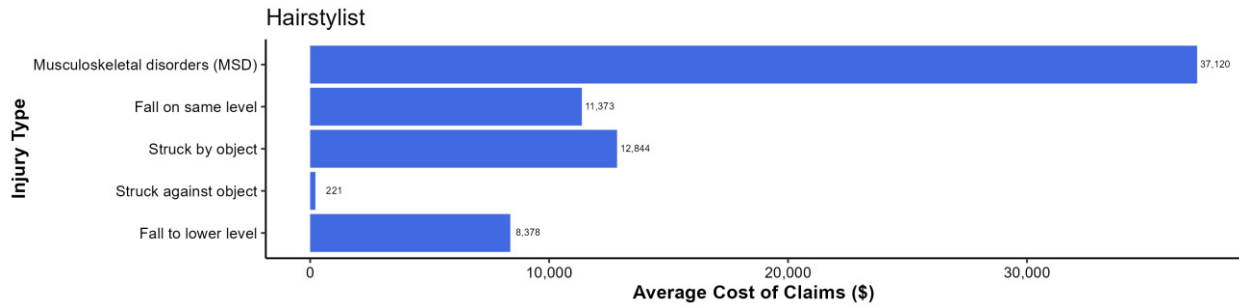




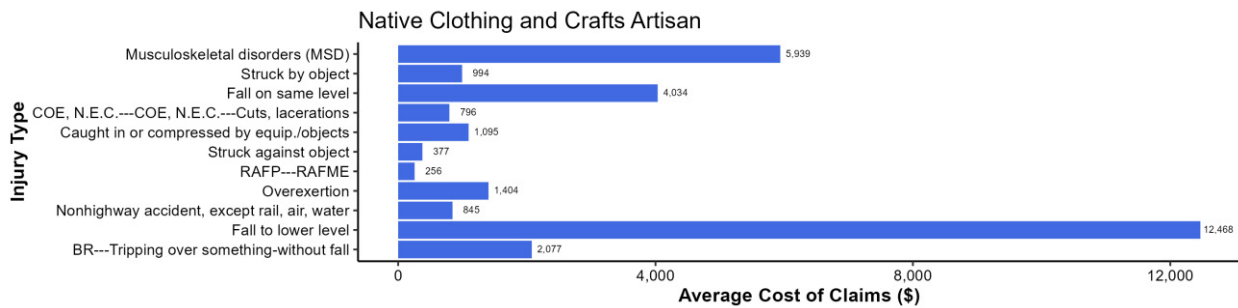
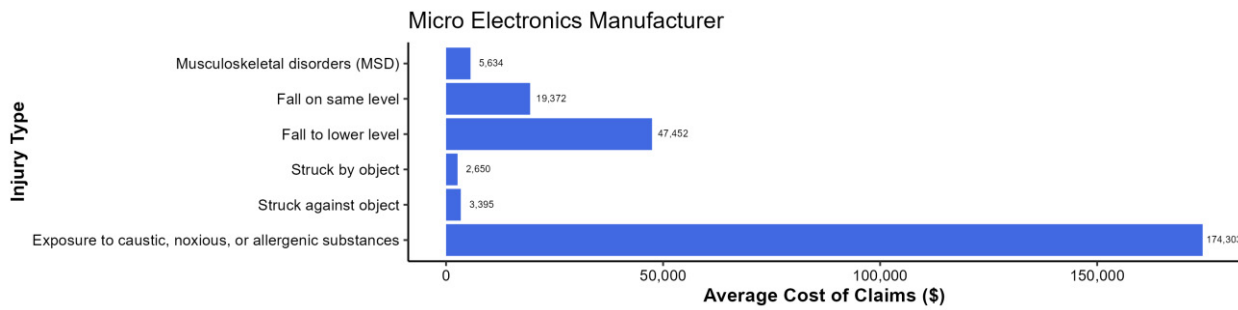
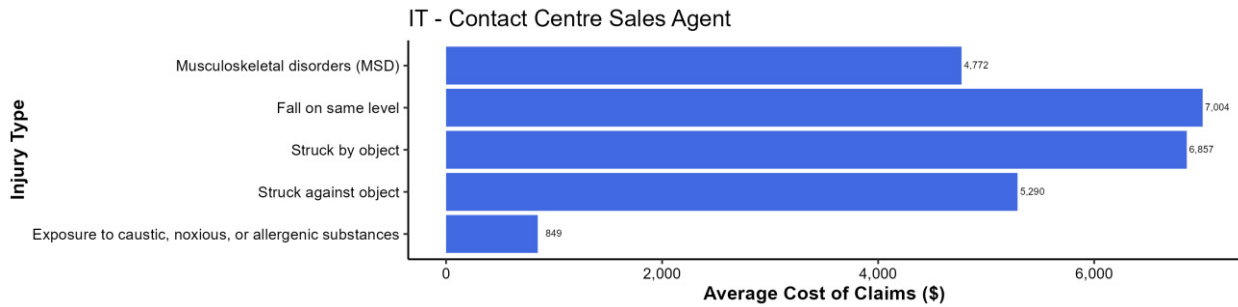
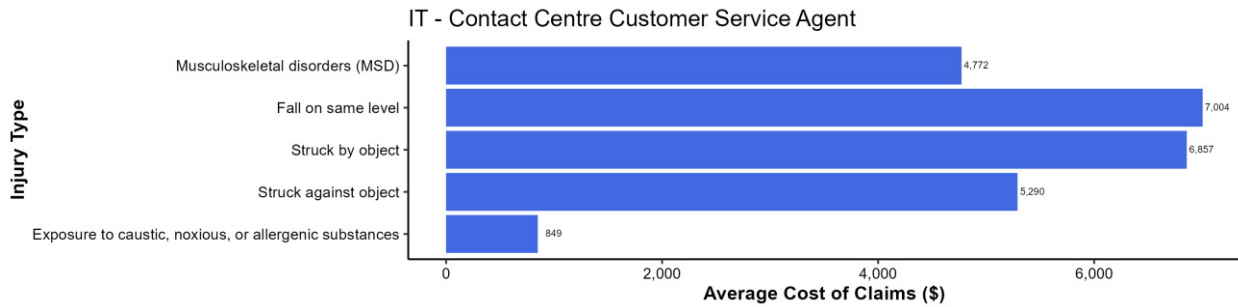
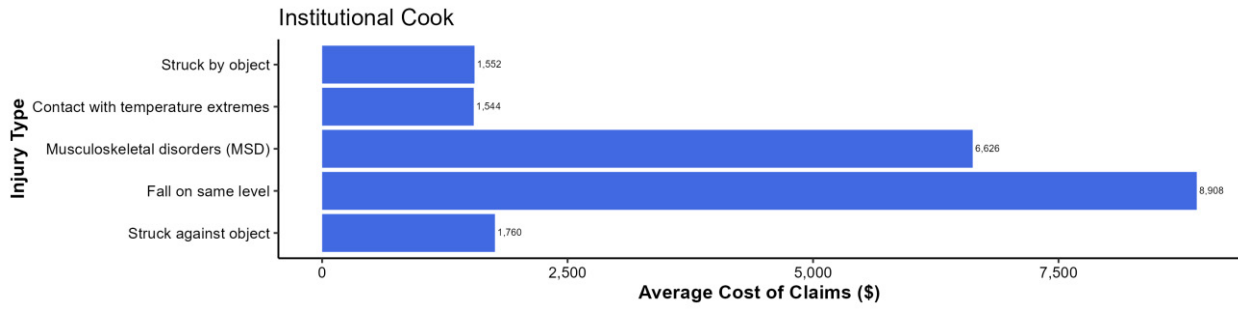


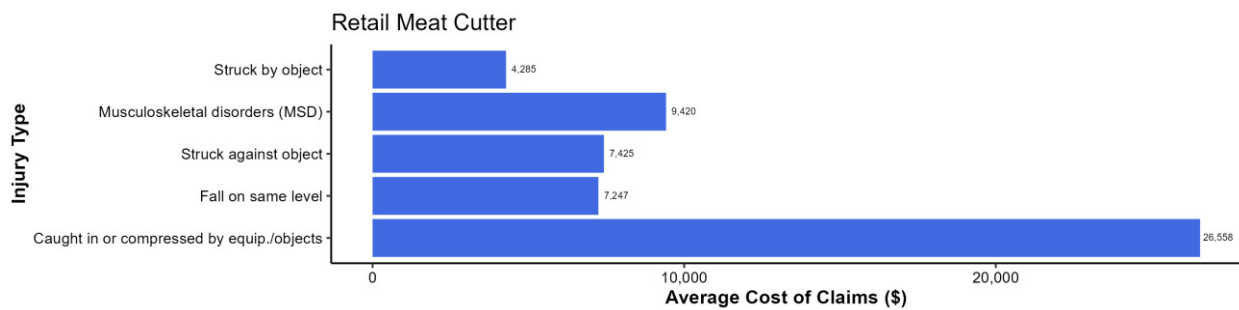
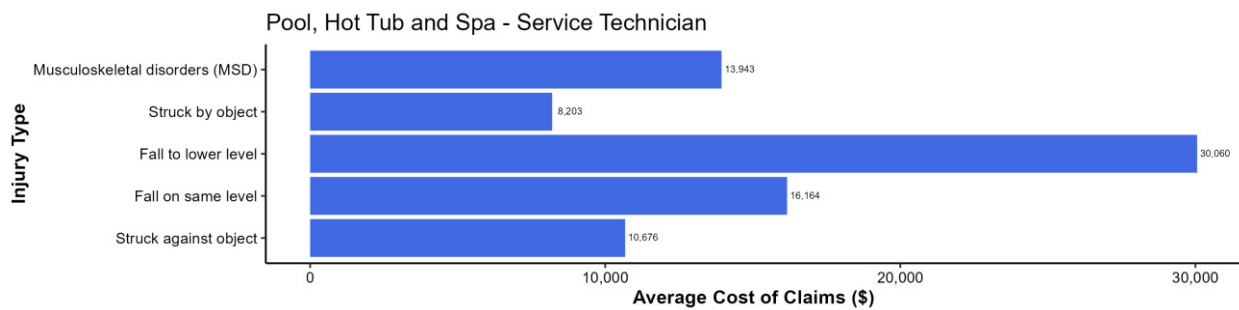
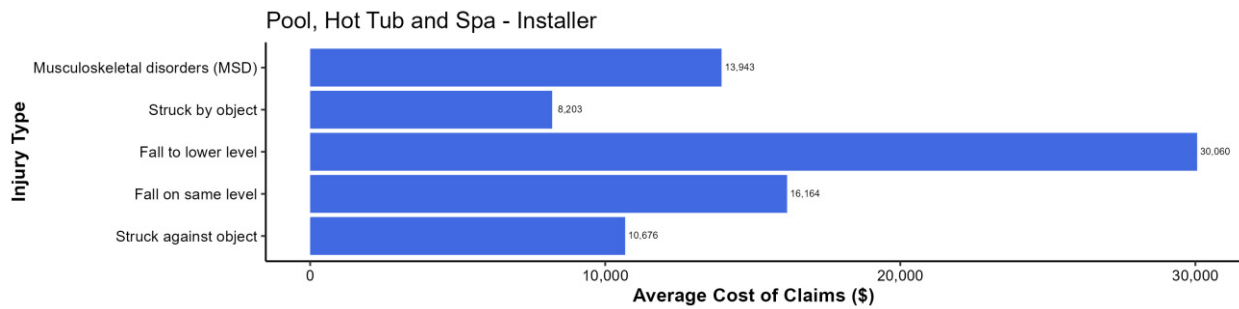
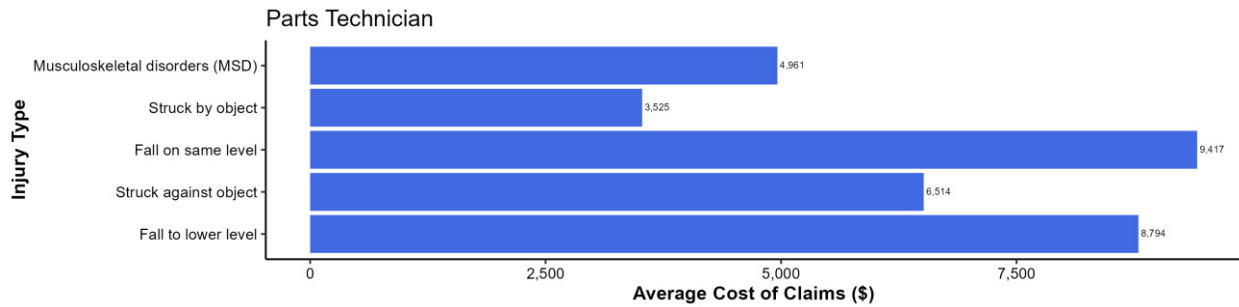
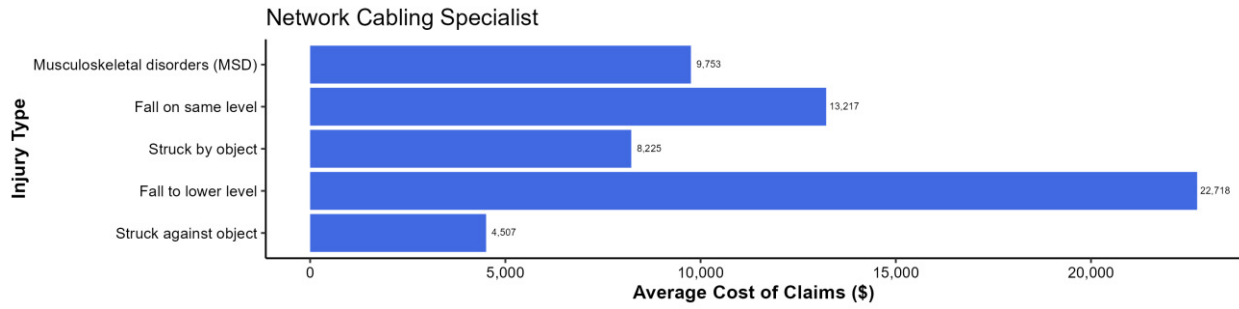
**GAP ANALYSIS OF OHS CURRICULA
IN SERVICE SECTOR: ANNEX A**

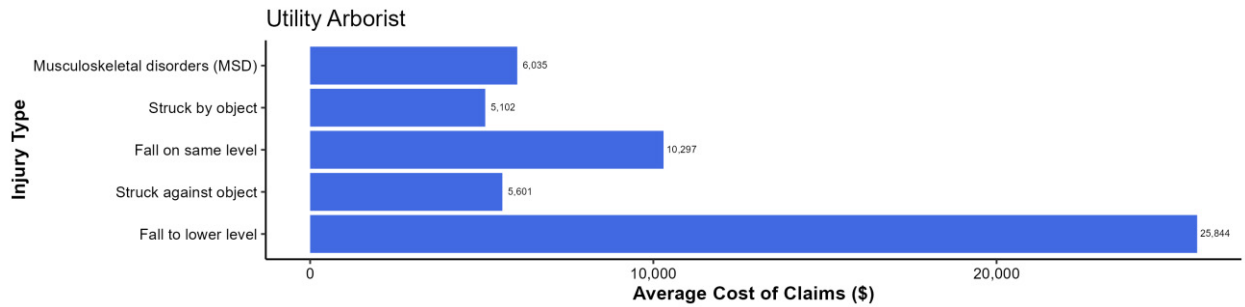
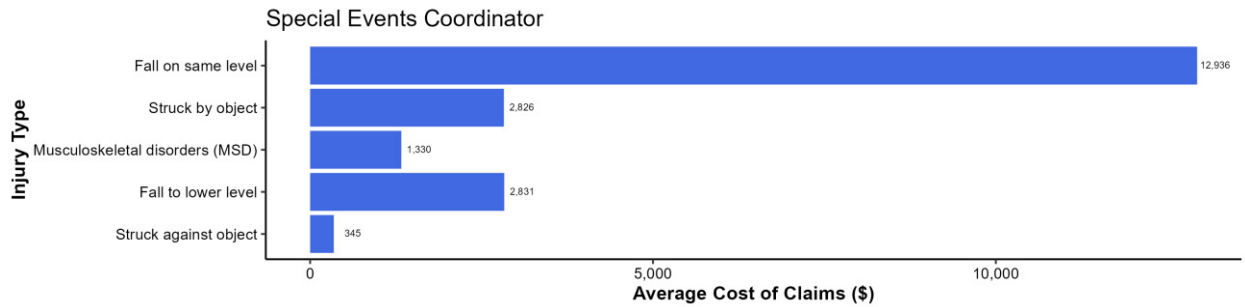
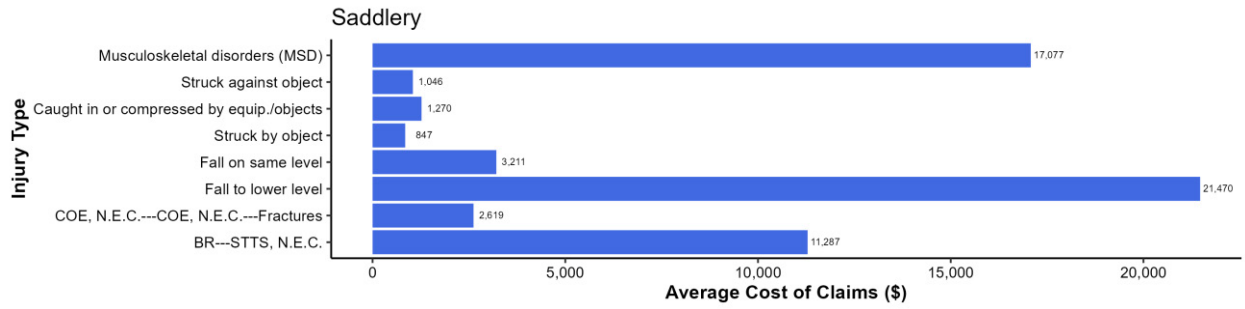




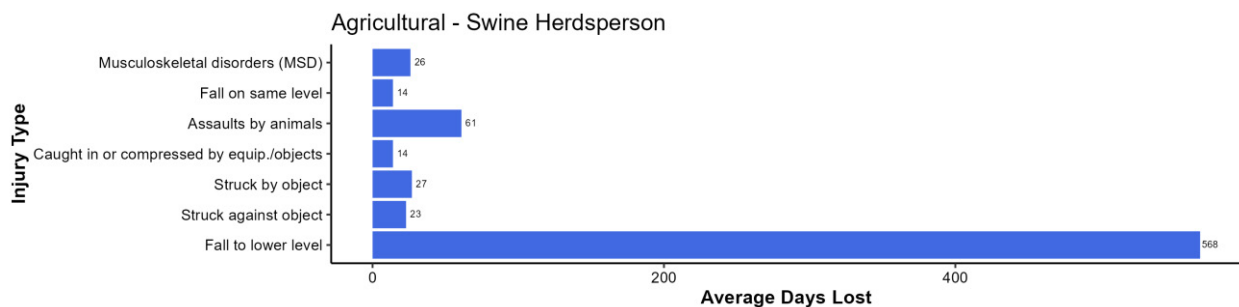
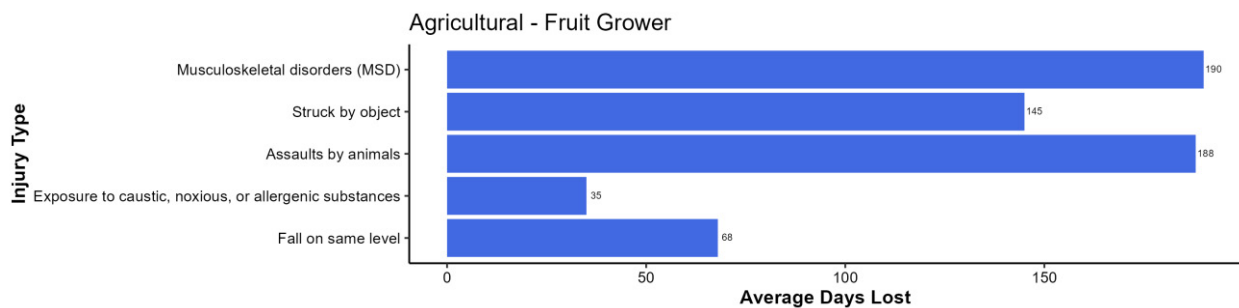
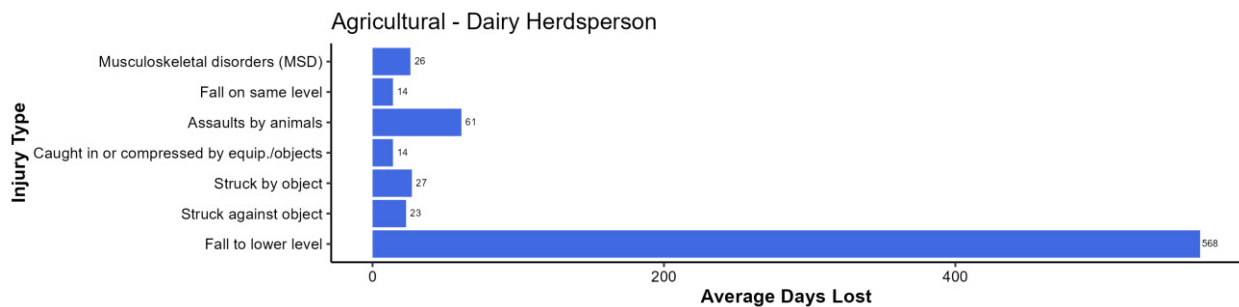
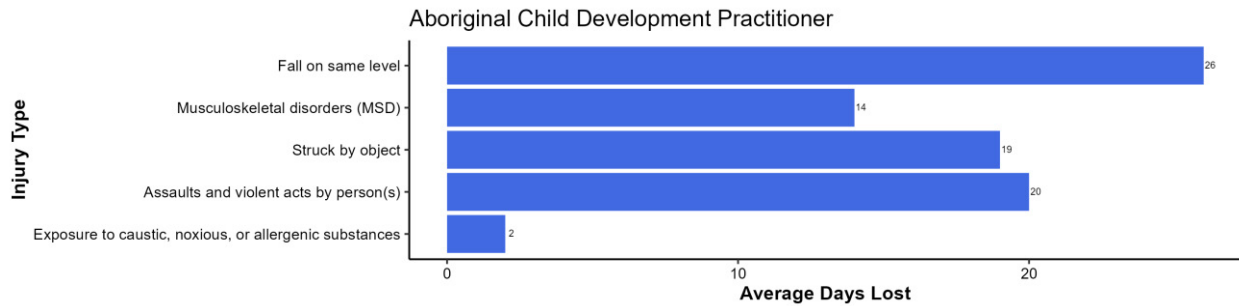
**GAP ANALYSIS OF OHS CURRICULA
IN SERVICE SECTOR: ANNEX A**

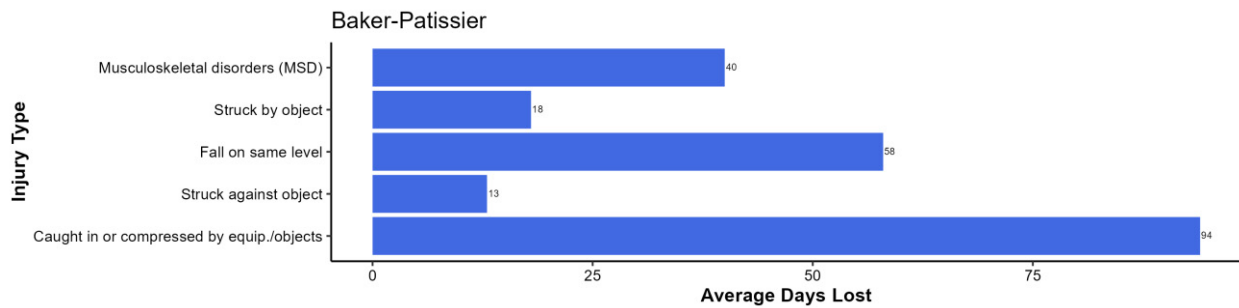
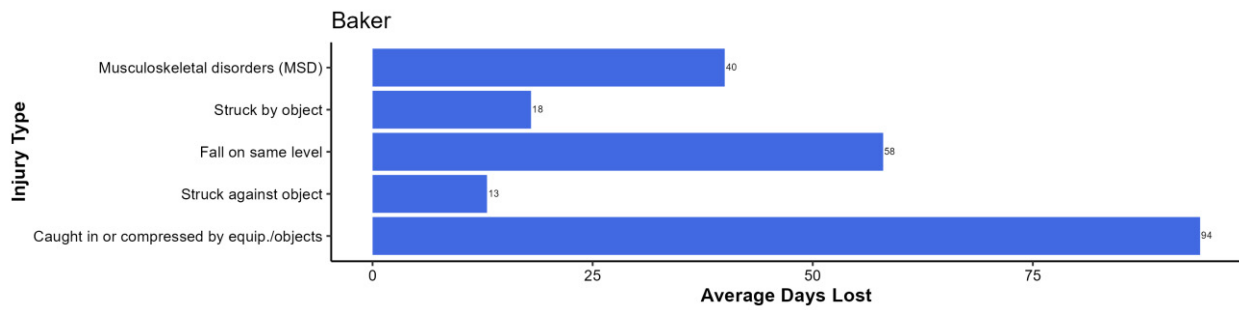
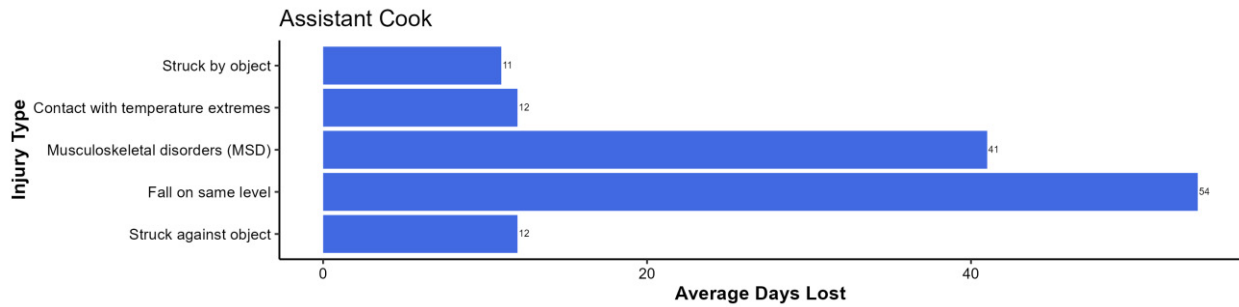
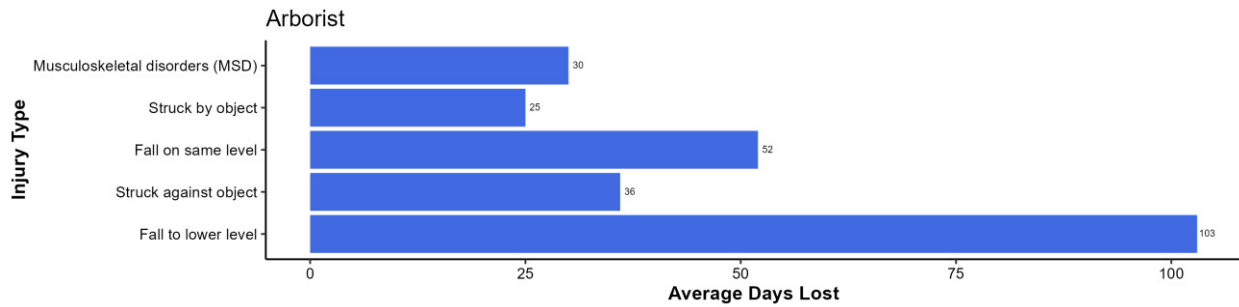
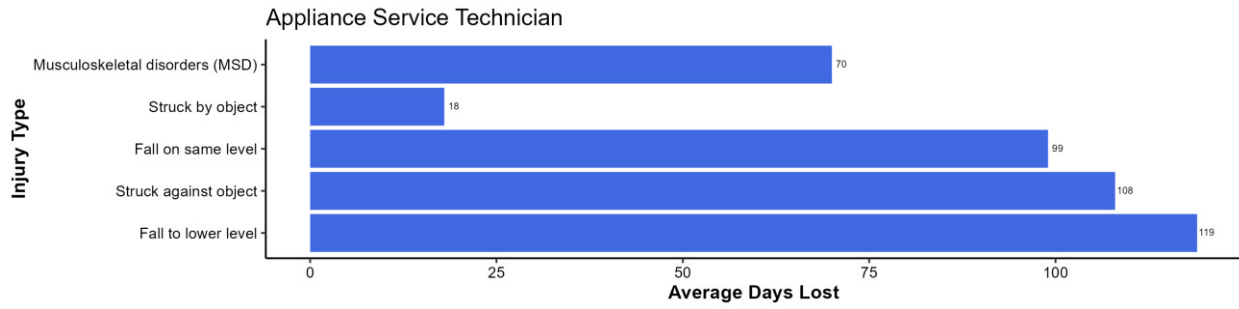


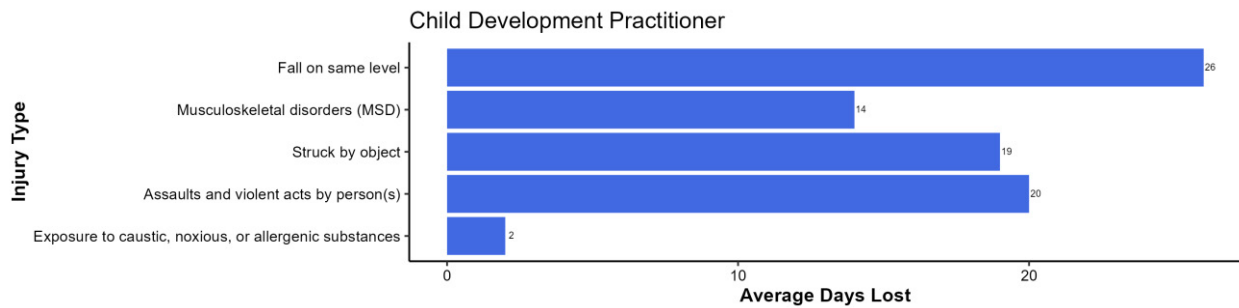
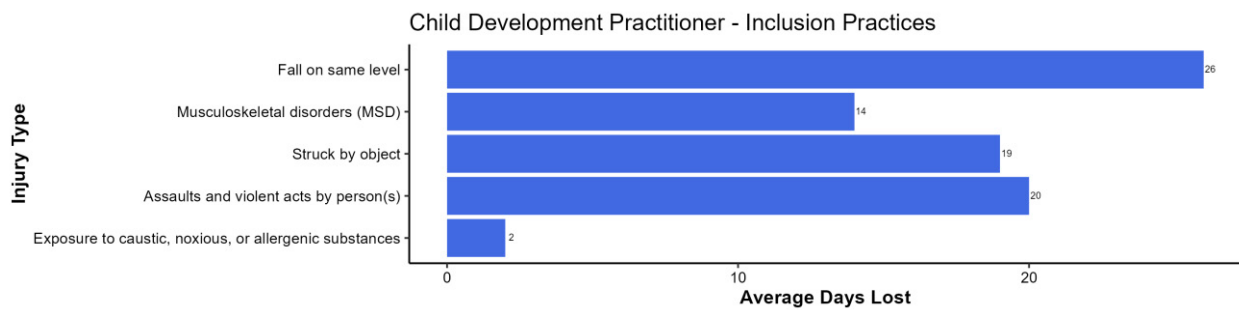
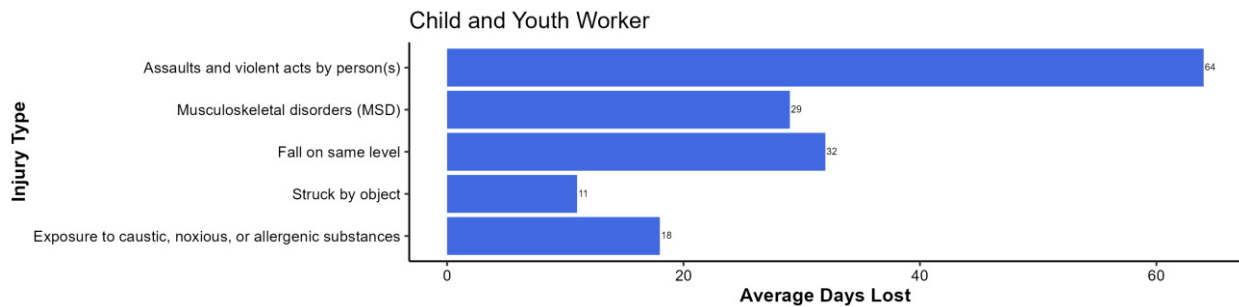
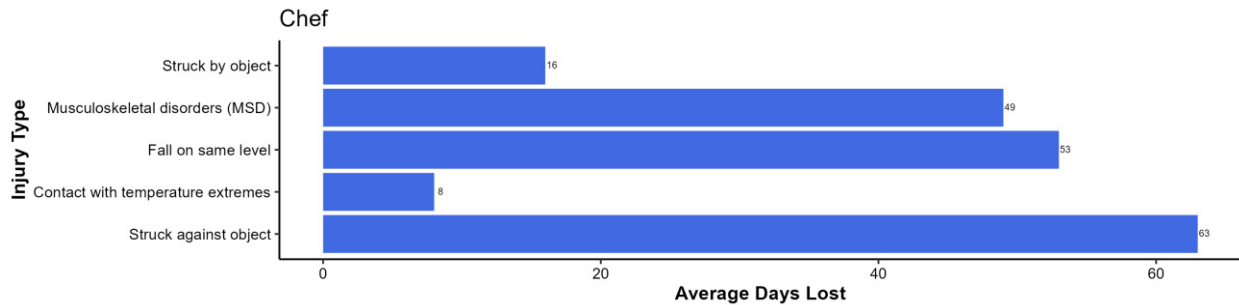
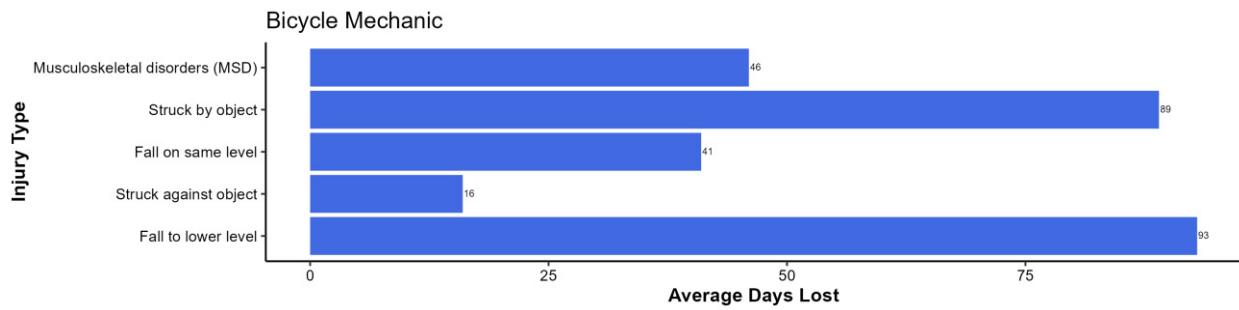




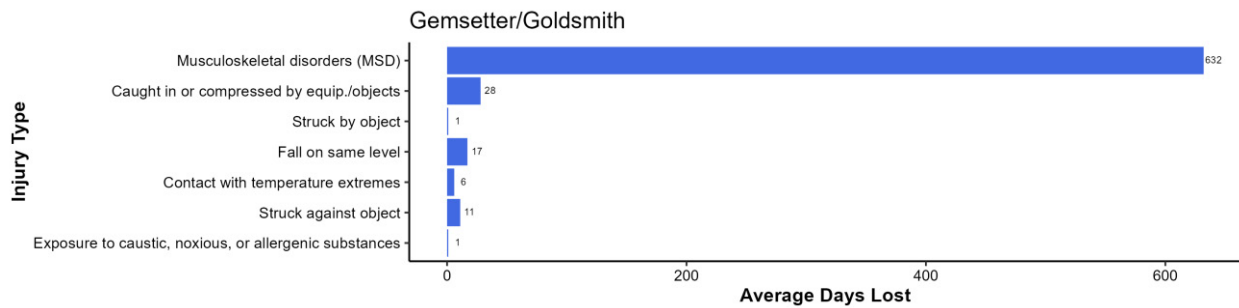
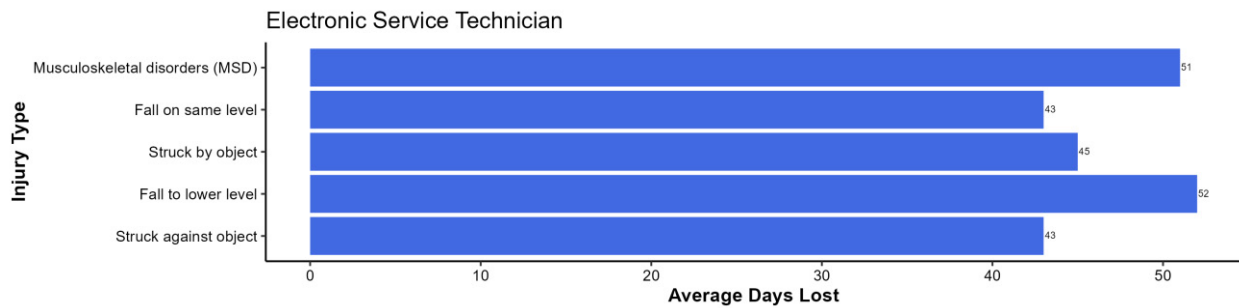
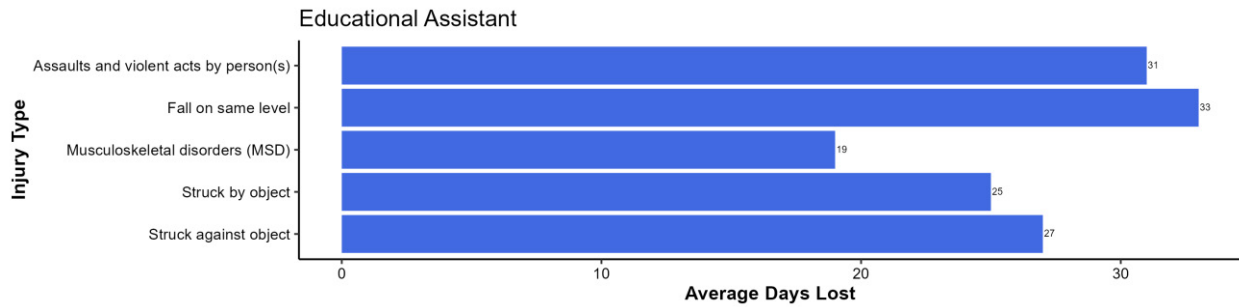
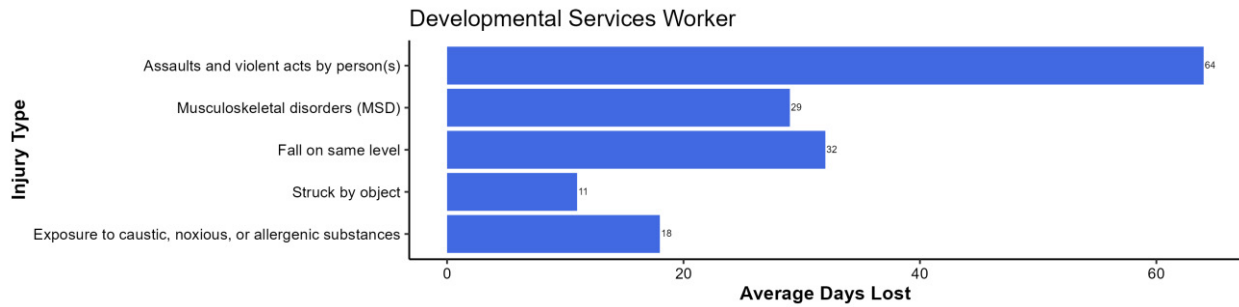
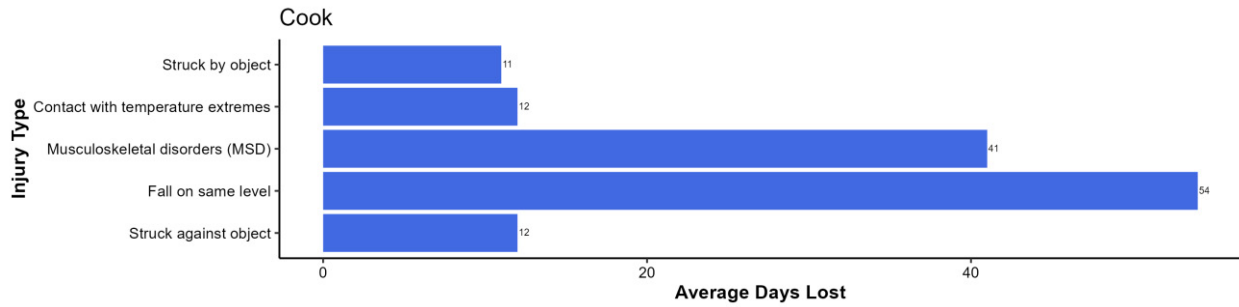
Section 15: Average days lost for the five most common injury types

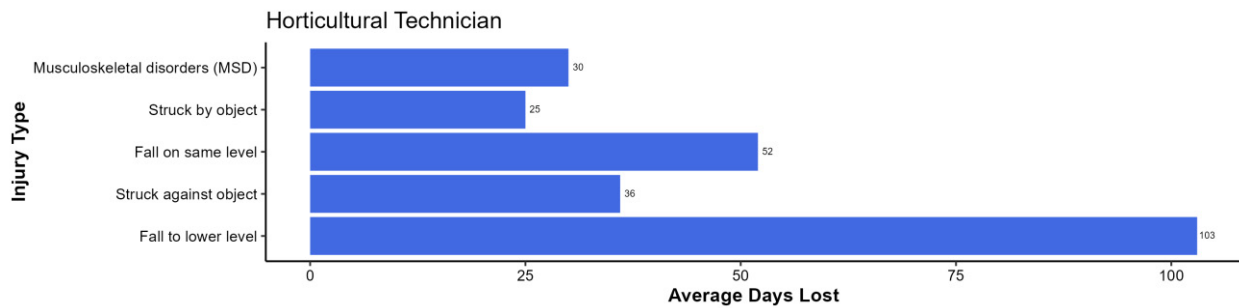
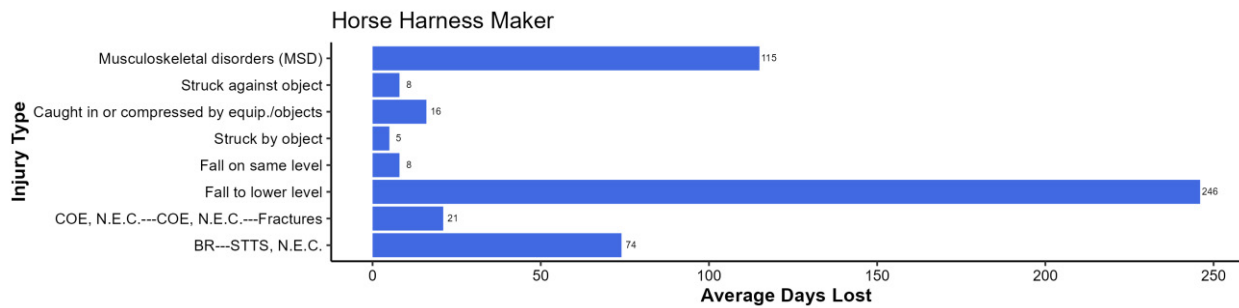
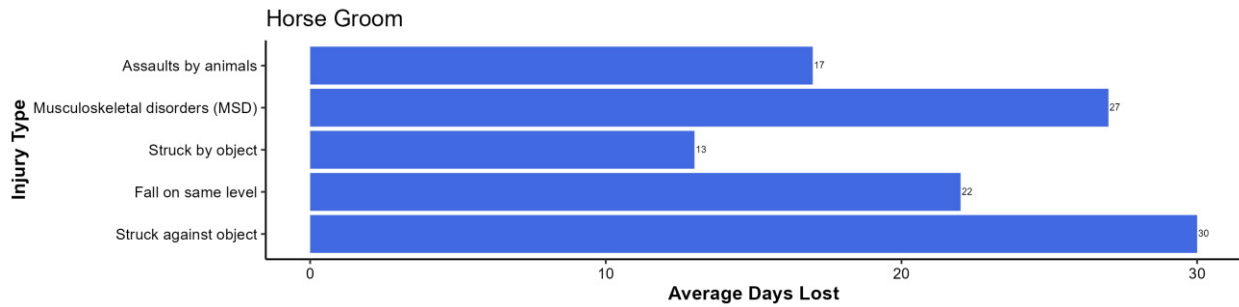
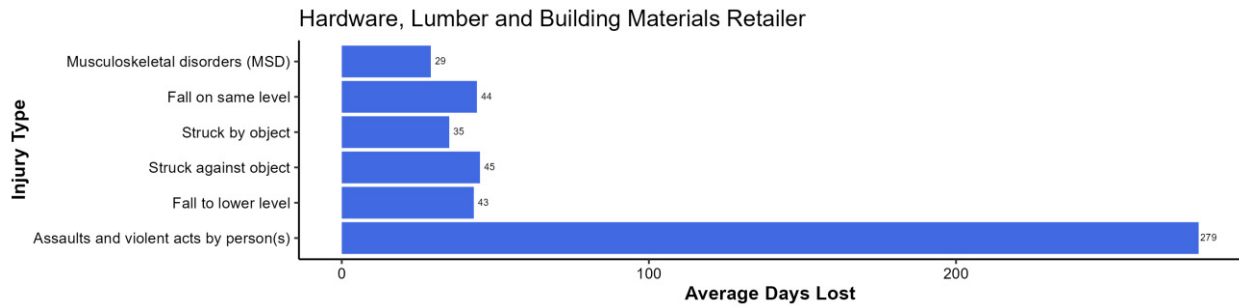
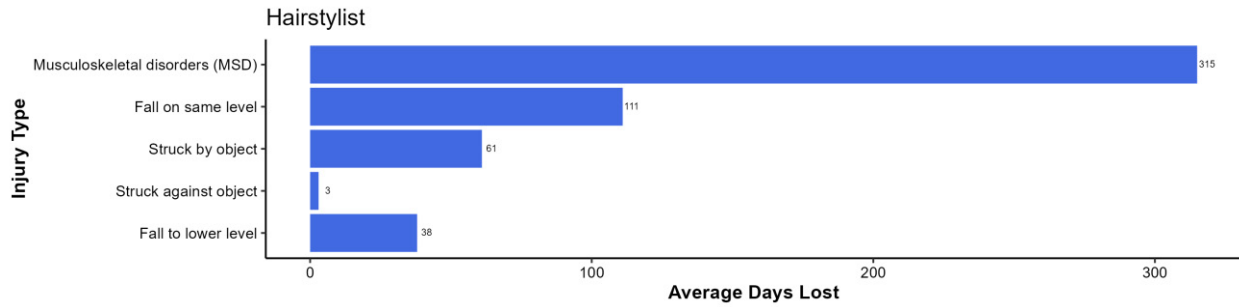




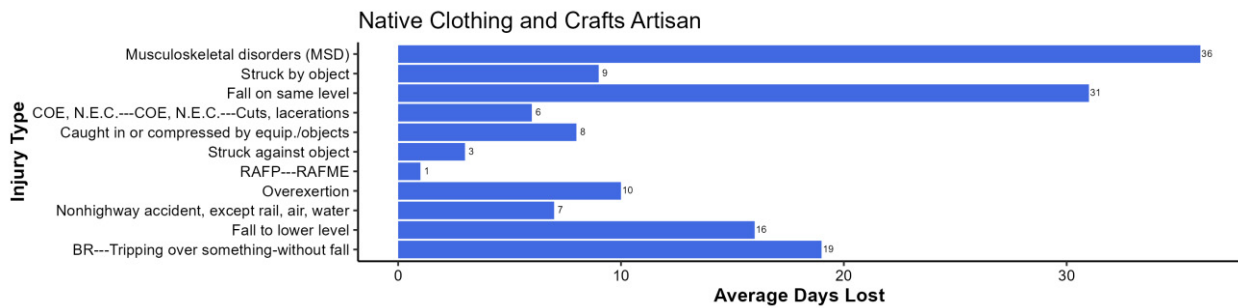
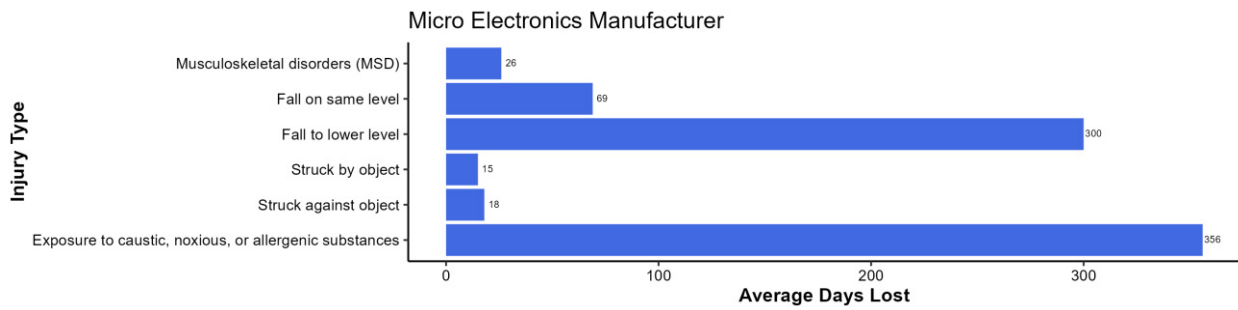
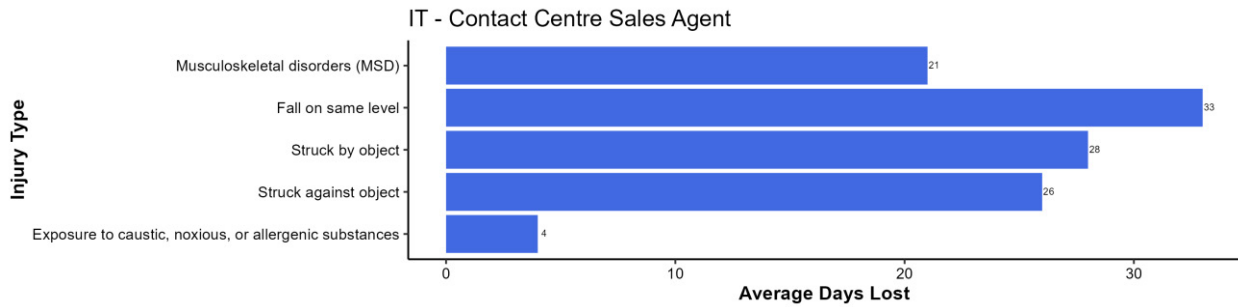
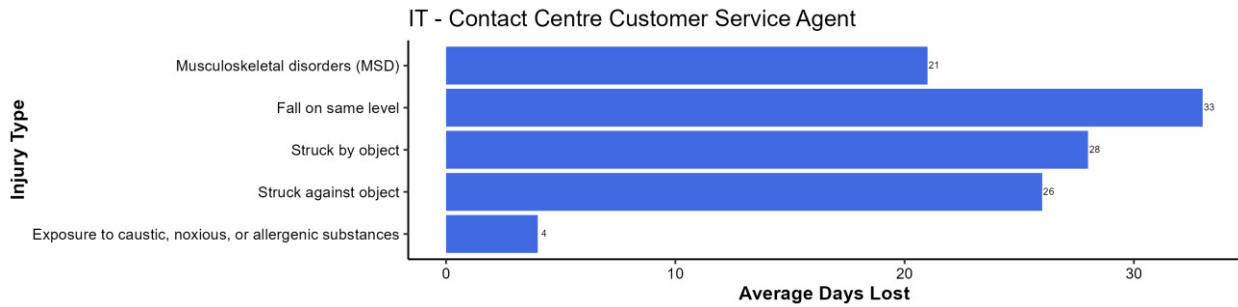
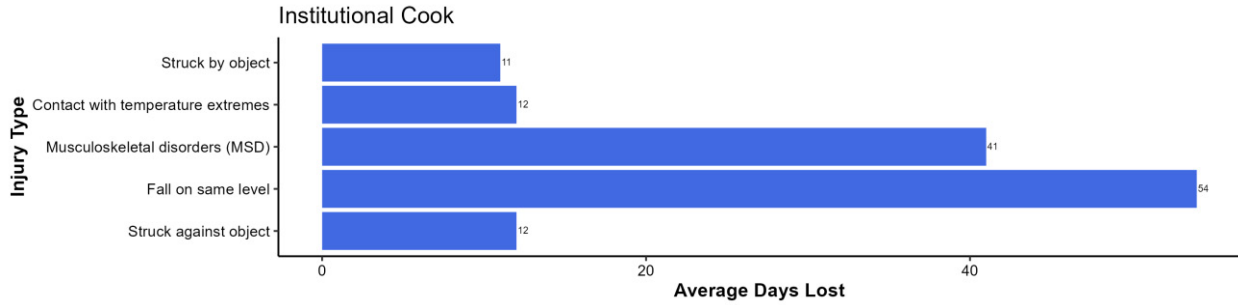


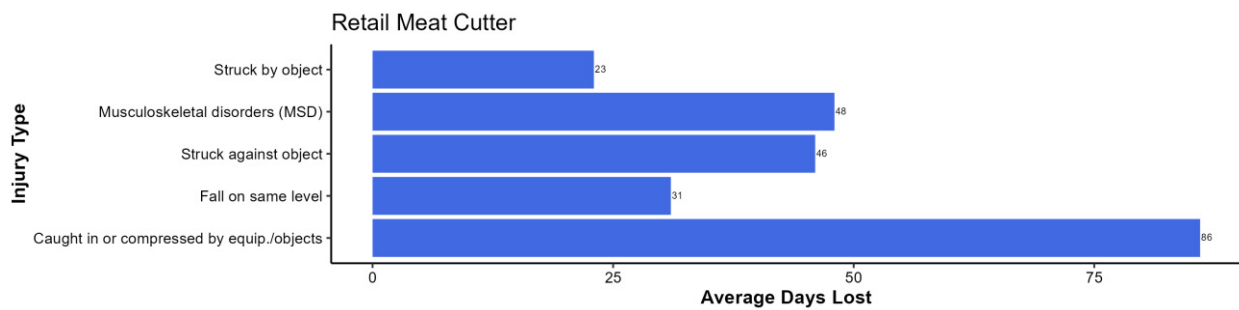
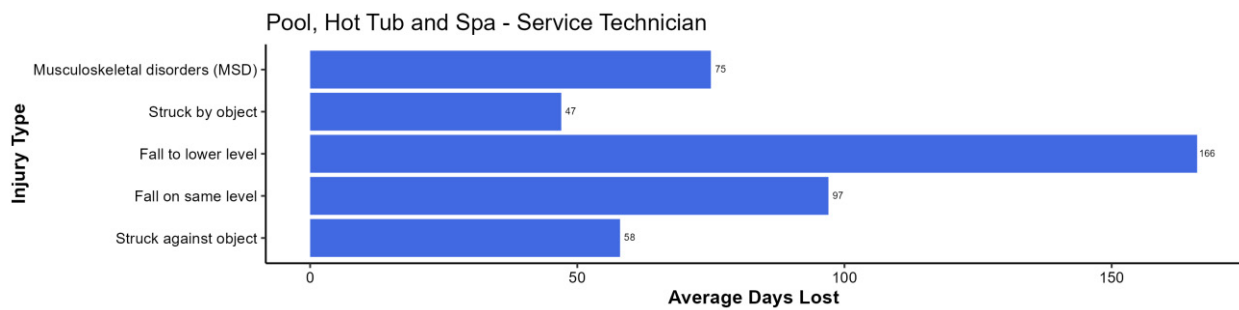
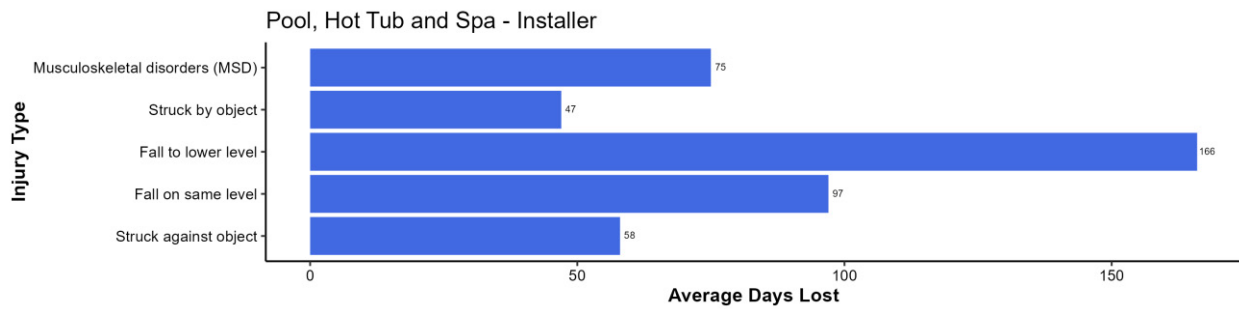
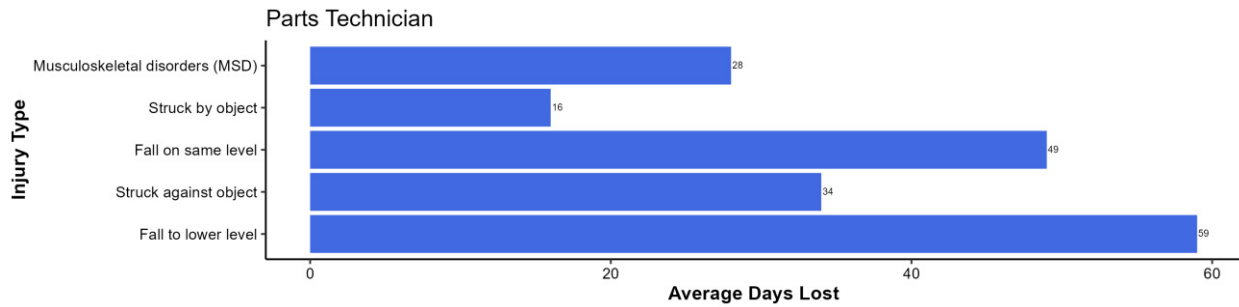
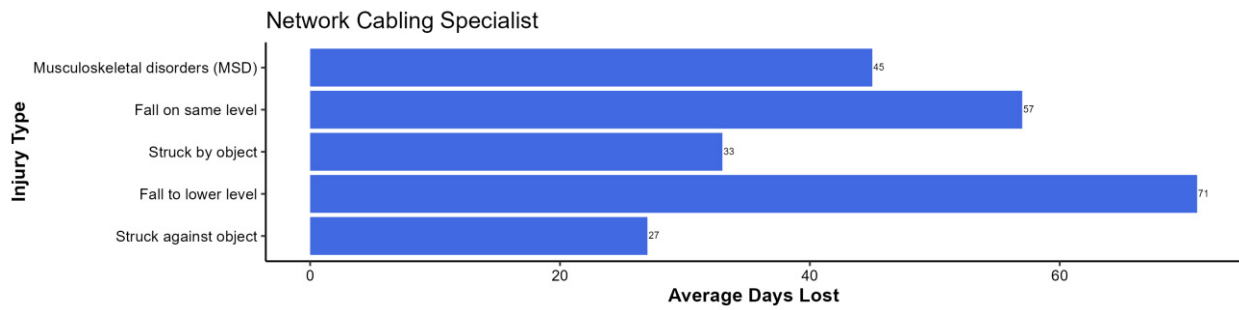
**GAP ANALYSIS OF OHS CURRICULA
IN SERVICE SECTOR: ANNEX A**

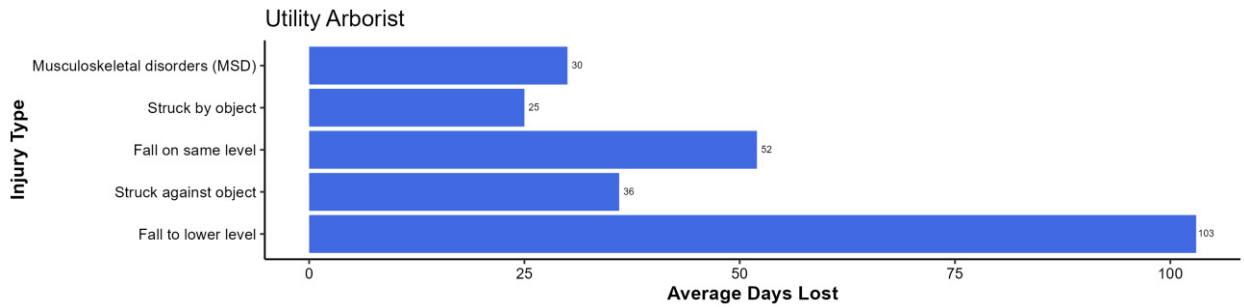
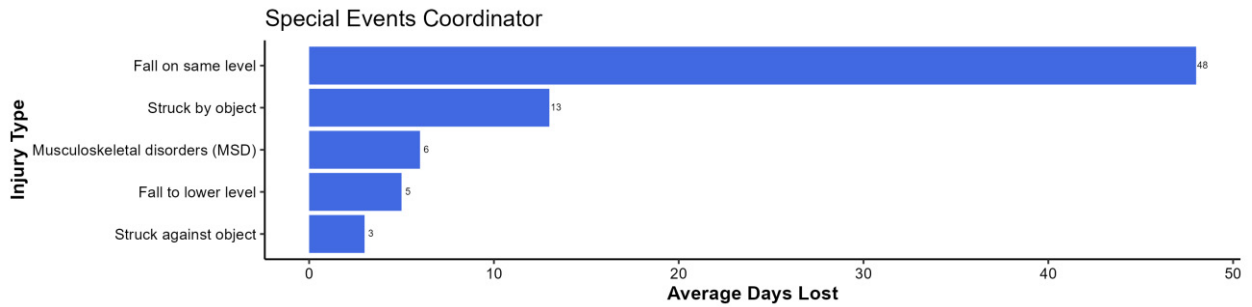
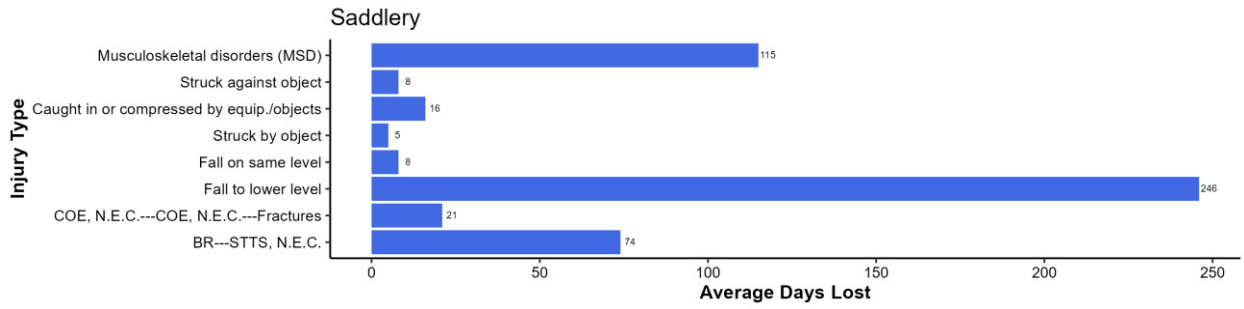




**GAP ANALYSIS OF OHS CURRICULA
IN SERVICE SECTOR: ANNEX A**







Annex B: List of tables presenting the components (e.g., injury types, body part, event category, etc) of the *Other* category shown on the figures in Annex A

Table B.1. Total claims for each injury type in the Other category

Table B.2. Average cost of claims for each injury type in the Other category

Table B.3. Total days lost for each injury type in the Other category

Table B.4. Body parts in the Other category (MSD claims)

Table B.5. Event Categories in the Other category (MSD claims)

Table B.6. Event Descriptions in the Other category (MSD claims)

Table B.7. Nature of Injury Descriptions in the Other category (MSD claims)

Table B.8. Body parts in the Other category (fall to lower level claims)

Table B.9. Event Descriptions in the Other category (fall to lower level claims)

Table B.10. Nature of Injury Descriptions in the Other category (fall to lower level claims)

Table B.11. Body parts in the Other category (fall on same level claims)

Table B.12. Event Descriptions in the Other category (fall on same level claims)

Table B.13. Nature of Injury Descriptions in the Other category (fall on same level claims)

Table B.1. Total claims for each injury type in the *Other* category

Trade	Injury type	Claims (% Total)
Aboriginal Child Development Practitioner	Assaults by animals	0.14
Aboriginal Child Development Practitioner	Bodily conditions, N.E.C.	0.04
Aboriginal Child Development Practitioner	BR---BCCRT---Dislocations	0.04
Aboriginal Child Development Practitioner	BR---BCCRT---Fractures	0.36
Aboriginal Child Development Practitioner	BR---BR, N.E.C.---Cuts, lacerations	0.04
Aboriginal Child Development Practitioner	BR---BR, N.E.C.---Fractures	0.11
Aboriginal Child Development Practitioner	BR---Running--without other incident---Bruises, contusions	0.04
Aboriginal Child Development Practitioner	BR---STTS UNSPEC.	0.25
Aboriginal Child Development Practitioner	BR---STTS, N.E.C.	1.28
Aboriginal Child Development Practitioner	BR---Slipping on something-without fall	2.13
Aboriginal Child Development Practitioner	BR---Stepping in hole or on object-without fall	0.85
Aboriginal Child Development Practitioner	BR---Sudden reaction when surprised, ..., startled	0.07
Aboriginal Child Development Practitioner	BR---Tripping over something-without fall	1.64
Aboriginal Child Development Practitioner	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	0.07
Aboriginal Child Development Practitioner	Caught in or compressed by equip./objects	0.32
Aboriginal Child Development Practitioner	Contact with electric current	0.11
Aboriginal Child Development Practitioner	COE, UNS	0.11
Aboriginal Child Development Practitioner	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	0.04
Aboriginal Child Development Practitioner	COE, N.E.C.---COE, N.E.C.---Urticaria, hives	0.04
Aboriginal Child Development Practitioner	Contact with temperature extremes	0.14
Aboriginal Child Development Practitioner	Exposure to harmful substances or environments, UNS	0.04
Aboriginal Child Development Practitioner	Exposure to harmful substances or environments, N.E.C.	0.11
Aboriginal Child Development Practitioner	Exposure to traumatic or stressful event, N.E.C.	0.11
Aboriginal Child Development Practitioner	Fall to lower level	2.95
Aboriginal Child Development Practitioner	Fall, N.E.C.	0.21
Aboriginal Child Development Practitioner	Highway accident	0.07
Aboriginal Child Development Practitioner	Jump to lower level	0.04
Aboriginal Child Development Practitioner	Other events or exposures	0.04
Aboriginal Child Development Practitioner	Overexertion	0.18
Aboriginal Child Development Practitioner	Pedestrian struck by vehicle, mobile equipment	0.21
Aboriginal Child Development Practitioner	Repetitive motion	0.04
Aboriginal Child Development Practitioner	RAFP---RAFME	0.18
Aboriginal Child Development Practitioner	SP---SP---Fractures and other injuries	0.04
Aboriginal Child Development Practitioner	Struck against object	6.47
Agricultural - Dairy Herdsperson	BR---BCCRT---Amputations, UNSPEC.	2.17
Agricultural - Dairy Herdsperson	BR---Stepping in hole or on object-without fall	2.17
Agricultural - Dairy Herdsperson	Exposure to caustic, noxious, or allergenic substances	4.35
Agricultural - Dairy Herdsperson	Fire--uninteded or uncontrolled	2.17
Agricultural - Dairy Herdsperson	Nonhighway accident, except rail, air, water	2.17
Agricultural - Fruit Grower	BR---BR, N.E.C.---Fractures	0.81
Agricultural - Fruit Grower	BR---STTS UNSPEC.	1.63
Agricultural - Fruit Grower	BR---Slipping on something-without fall	1.63
Agricultural - Fruit Grower	BR---Tripping over something-without fall	0.81
Agricultural - Fruit Grower	Caught in or compressed by equip./objects	7.32
Agricultural - Fruit Grower	Caught in/crushed in collapsing materials	0.81
Agricultural - Fruit Grower	Contact with temperature extremes	0.81
Agricultural - Fruit Grower	Fall to lower level	5.69
Agricultural - Fruit Grower	Highway accident	1.63
Agricultural - Fruit Grower	Jump to lower level	0.81
Agricultural - Fruit Grower	Nonhighway accident, except rail, air, water	0.81
Agricultural - Fruit Grower	Overexertion	0.81
Agricultural - Fruit Grower	RAFP---RAFME	0.81
Agricultural - Fruit Grower	Struck against object	6.5
Agricultural - Swine Herdsperson	BR---BCCRT---Amputations, UNSPEC.	2.17
Agricultural - Swine Herdsperson	BR---Stepping in hole or on object-without fall	2.17
Agricultural - Swine Herdsperson	Exposure to caustic, noxious, or allergenic substances	4.35
Agricultural - Swine Herdsperson	Fire--uninteded or uncontrolled	2.17
Agricultural - Swine Herdsperson	Nonhighway accident, except rail, air, water	2.17



Appliance Service Technician	BR---BCCRT---Fractures	0.36
Appliance Service Technician	BR---BR, N.E.C.---Dislocations	0.36
Appliance Service Technician	BR---BR, N.E.C.---Fractures	0.36
Appliance Service Technician	BR---STTS UNSPEC.	0.36
Appliance Service Technician	BR---STTS, N.E.C.	1.45
Appliance Service Technician	BR---Slipping on something-without fall	0.36
Appliance Service Technician	BR---Stepping in hole or on object-without fall	0.73
Appliance Service Technician	BRE, N.E.C.---BRE, N.E.C.---Dislocations	0.36
Appliance Service Technician	Caught in or compressed by equip./objects	3.27
Appliance Service Technician	Contact with electric current	0.73
Appliance Service Technician	COE, UNS	0.36
Appliance Service Technician	Contact with temperature extremes	1.45
Appliance Service Technician	Exposure to caustic, noxious, or allergenic substances	1.82
Appliance Service Technician	Exposure to traumatic or stressful event, N.E.C.	0.36
Appliance Service Technician	Highway accident	4.36
Appliance Service Technician	Nonhighway accident, except rail, air, water	0.36
Appliance Service Technician	Overexertion	0.36
Appliance Service Technician	RAFP---RAFME	0.73
Appliance Service Technician	RAFP---RAKOS---Cellulitis, abscess, paronychia	0.36
Appliance Service Technician	Self-inflicted injury	0.36
Arborist	Assaults by animals	0.55
Arborist	BR---BCCRT---Bruises, contusions	0.14
Arborist	BR---BCCRT---Dislocations	0.14
Arborist	BR---STTS UNSPEC.	0.41
Arborist	BR---STTS, N.E.C.	1.8
Arborist	BR---Slipping on something-without fall	0.97
Arborist	BR---Stepping in hole or on object-without fall	1.11
Arborist	BR---Tripping over something-without fall	0.14
Arborist	Caught in or compressed by equip./objects	4.01
Arborist	Caught in/crushed in collapsing materials	0.28
Arborist	Contact with electric current	0.14
Arborist	COE, N.E.C.---COE, N.E.C.---Fractures	0.14
Arborist	Contact with temperature extremes	0.83
Arborist	Exposure to caustic, noxious, or allergenic substances	4.43
Arborist	Exposure to harmful substances or environments, UNS	0.14
Arborist	Exposure to harmful substances or environments, N.E.C.	0.14
Arborist	Exposure to radiation	0.28
Arborist	Exposure to traumatic or stressful event, N.E.C.	0.14
Arborist	Fall, N.E.C.	0.14
Arborist	Highway accident	1.38
Arborist	Jump to lower level	1.11
Arborist	Nonhighway accident, except rail, air, water	1.66
Arborist	Overexertion	0.28
Arborist	Pedestrian struck by vehicle, mobile equipment	1.11
Arborist	RAFP---RAFME	2.35
Arborist	RAFP---RAFP, N.E.C.---Second-degree heat burns, scalds	0.14
Assistant Cook	Assaults by animals	0.02
Assistant Cook	Bodily conditions, N.E.C.	0.02
Assistant Cook	BR---BCCRT---Bruises, contusions	0.05
Assistant Cook	BR---BCCRT---Cuts, lacerations	0.02
Assistant Cook	BR---BCCRT---Dislocations	0.04
Assistant Cook	BR---BCCRT---Fractures	0.09
Assistant Cook	BR---BR, N.E.C.---Bruises, contusions	0.05
Assistant Cook	BR---BR, N.E.C.---Fractures	0.04
Assistant Cook	BR---STTS UNSPEC.	0.45
Assistant Cook	BR---STTS, N.E.C.	0.52
Assistant Cook	BR---Slipping on something-without fall	1.73
Assistant Cook	BR---Stepping in hole or on object-without fall	0.05
Assistant Cook	BR---Sudden reaction when surprised, ..., startled	0.02
Assistant Cook	BR---Tripping over something-without fall	0.53
Assistant Cook	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	0.02
Assistant Cook	BRE, N.E.C.---BRE, N.E.C.---Dislocations	0.02
Assistant Cook	BRE, N.E.C.---BRE, N.E.C.---Fractures	0.04



Assistant Cook	Caught in or compressed by equip./objects	1.75
Assistant Cook	Contact with electric current	0.23
Assistant Cook	COE, UNS	0.12
Assistant Cook	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	0.82
Assistant Cook	COE, N.E.C.---COE, N.E.C.---Fractures	0.02
Assistant Cook	COE, N.E.C.---COE, N.E.C.---Heat burns, scalds, N.E.C.	0.02
Assistant Cook	Explosion	0.05
Assistant Cook	Exposure to caustic, noxious, or allergenic substances	3.53
Assistant Cook	Exposure to harmful substances or environments, UNS	0.04
Assistant Cook	Exposure to harmful substances or environments, N.E.C.	0.05
Assistant Cook	Fall to lower level	2.9
Assistant Cook	Fall, UNS	0.02
Assistant Cook	Fire or explosion, N.E.C.	0.02
Assistant Cook	Fire or explosion, UNS	0.02
Assistant Cook	Fire--uninteded or uncontrolled	0.34
Assistant Cook	Highway accident	0.09
Assistant Cook	Jump to lower level	0.05
Assistant Cook	Nonhighway accident, except rail, air, water	0.07
Assistant Cook	Overexertion	0.18
Assistant Cook	Pedestrian struck by vehicle, mobile equipment	0.05
Assistant Cook	Repetitive motion	0.02
Assistant Cook	RAFP---RAFME	0.48
Assistant Cook	RAFP---RAFP, N.E.C.---Cuts, lacerations	0.04
Assistant Cook	RAFP---RAKOS---Chemical burns, N.E.C.	0.02
Assistant Cook	RAFP---RAOBH---Abrasions, scratches	0.02
Assistant Cook	RAFP---RAOBH---Amputations, fingertip	0.02
Assistant Cook	RAFP---RAOBH---Cuts, lacerations	0.07
Assistant Cook	Self-inflicted injury	0.18
Assistant Cook	Unknown	0.02
Assistant Cook	Water vehicle accident	0.07
Baker	BR---BCCRT---Dislocations	0.09
Baker	BR---BCCRT---Fractures	0.18
Baker	BR---BR, N.E.C.---Bruises, contusions	0.09
Baker	BR---BR, N.E.C.---Other inflammatory conditions of the skin, UNS	0.09
Baker	BR---BR, UNS---Fractures	0.09
Baker	BR---STTS UNSPEC.	0.27
Baker	BR---STTS, N.E.C.	0.99
Baker	BR---Slipping on something-without fall	1.62
Baker	BR---Stepping in hole or on object-without fall	0.18
Baker	BR---Sudden reaction when surprised, ..., startled	0.09
Baker	BR---Tripping over something-without fall	0.72
Baker	BRE, N.E.C.---BRE, N.E.C.---Dislocations	0.09
Baker	Caught in/crushed in collapsing materials	0.09
Baker	Contact with electric current	0.09
Baker	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	0.27
Baker	Contact with temperature extremes	5.66
Baker	Exposure to caustic, noxious, or allergenic substances	2.96
Baker	Exposure to traumatic or stressful event, N.E.C.	0.18
Baker	Fall to lower level	3.23
Baker	Fall, N.E.C.	0.09
Baker	Jump to lower level	0.09
Baker	Overexertion	0.63
Baker	RAFP---RAFME	0.18
Baker-Patissier	BR---BCCRT---Dislocations	0.09
Baker-Patissier	BR---BCCRT---Fractures	0.18
Baker-Patissier	BR---BR, N.E.C.---Bruises, contusions	0.09
Baker-Patissier	BR---BR, N.E.C.---Other inflammatory conditions of the skin, UNS	0.09
Baker-Patissier	BR---BR, UNS---Fractures	0.09
Baker-Patissier	BR---STTS UNSPEC.	0.27
Baker-Patissier	BR---STTS, N.E.C.	0.99
Baker-Patissier	BR---Slipping on something-without fall	1.62
Baker-Patissier	BR---Stepping in hole or on object-without fall	0.18
Baker-Patissier	BR---Sudden reaction when surprised, ..., startled	0.09



Baker-Patisier	BR---Tripping over something-without fall	0.72
Baker-Patisier	BRE, N.E.C.---BRE, N.E.C.---Dislocations	0.09
Baker-Patisier	Caught in/crushed in collapsing materials	0.09
Baker-Patisier	Contact with electric current	0.09
Baker-Patisier	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	0.27
Baker-Patisier	Contact with temperature extremes	5.66
Baker-Patisier	Exposure to caustic, noxious, or allergenic substances	2.96
Baker-Patisier	Exposure to traumatic or stressful event, N.E.C.	0.18
Baker-Patisier	Fall to lower level	3.23
Baker-Patisier	Fall, N.E.C.	0.09
Baker-Patisier	Jump to lower level	0.09
Baker-Patisier	Overexertion	0.63
Baker-Patisier	RAFP---RAFME	0.18
Horse Groom	Assaults and violent acts by person(s)	2.15
Bicycle Mechanic	Assaults by animals	0.25
Bicycle Mechanic	Bodily conditions, N.E.C.	0.08
Bicycle Mechanic	BR---BCCRT---Bruises, contusions	0.25
Bicycle Mechanic	BR---BCCRT---Dislocations	0.08
Bicycle Mechanic	BR---BCCRT---FB	0.08
Bicycle Mechanic	BR---BCCRT---Fractures	0.17
Bicycle Mechanic	BR---BR, N.E.C.---Bruises, contusions	0.17
Bicycle Mechanic	BR---BR, N.E.C.---Cuts, lacerations	0.08
Bicycle Mechanic	BR---BR, N.E.C.---Fractures	0.25
Bicycle Mechanic	BR---STTS UNSPEC.	0.17
Bicycle Mechanic	BR---STTS, N.E.C.	0.93
Bicycle Mechanic	BR---Slipping on something-without fall	2.54
Bicycle Mechanic	BR---Stepping in hole or on object-without fall	0.42
Bicycle Mechanic	BR---Sudden reaction when surprised, ..., startled	0.08
Bicycle Mechanic	BR---Tripping over something-without fall	0.93
Bicycle Mechanic	BRE, N.E.C.---BRE, N.E.C.---Dislocations	0.08
Bicycle Mechanic	BRE, N.E.C.---BRE, N.E.C.---Fractures and other injuries	0.08
Bicycle Mechanic	BRE, N.E.C.---BRE, N.E.C.---TIN, unspec	0.08
Bicycle Mechanic	Caught in or compressed by equip./objects	4.66
Bicycle Mechanic	Contact with electric current	0.17
Bicycle Mechanic	COE, N.E.C.---COE, N.E.C.---Bruises, contusions	0.08
Bicycle Mechanic	COE, N.E.C.---COE, N.E.C.---Fractures	0.08
Bicycle Mechanic	Contact with temperature extremes	1.1
Bicycle Mechanic	Explosion	0.25
Bicycle Mechanic	Exposure to caustic, noxious, or allergenic substances	3.9
Bicycle Mechanic	Exposure to noise	0.25
Bicycle Mechanic	Fall, N.E.C.	0.08
Bicycle Mechanic	Highway accident	2.04
Bicycle Mechanic	Jump to lower level	0.25
Bicycle Mechanic	Nonhighway accident, except rail, air, water	0.85
Bicycle Mechanic	Other events or exposures	0.08
Bicycle Mechanic	Overexertion	0.59
Bicycle Mechanic	Pedestrian struck by vehicle, mobile equipment	0.51
Bicycle Mechanic	RAFP---RAFME	2.21
Bicycle Mechanic	RAFP---RAFP, N.E.C.---Heat burns, scalds, UNS	0.08
Bicycle Mechanic	Transportation accident, UNS	0.08
IT - Contact Centre Customer Service Agent	Assaults and violent acts by person(s)	1.93
Chef	BR---BCCRT---Fractures	0.32
Chef	BR---STTS UNSPEC.	0.64
Chef	BR---STTS, N.E.C.	0.64
Chef	BR---Slipping on something-without fall	1.75
Chef	BR---Tripping over something-without fall	0.32
Chef	Caught in or compressed by equip./objects	3.82
Chef	Contact with electric current	0.48
Chef	COE, UNS	0.16
Chef	COE, N.E.C.---COE, N.E.C.---Amputations, fingertip	0.16
Chef	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	0.48
Chef	COE, N.E.C.---COE, N.E.C.---Fractures	0.16
Chef	Explosion	0.16



Chef	Exposure to caustic, noxious, or allergenic substances	2.38
Chef	Fall to lower level	4.45
Chef	Fire--uninteded or uncontrolled	0.79
Chef	Overexertion	0.32
Chef	RAFP---RAFME	0.48
Chef	Unknown	0.16
IT - Contact Centre Sales Agent	Assaults and violent acts by person(s)	1.93
Micro Electronics Manufacturer	Assaults and violent acts by person(s)	0.56
Child Development Practitioner	Assaults by animals	0.14
Retail Meat Cutter	Assaults and violent acts by person(s)	0.47
Retail Meat Cutter	Bodily conditions, N.E.C.	0.04
Retail Meat Cutter	BR---BCCRT---Dislocations	0.04
Retail Meat Cutter	BR---BCCRT---Fractures	0.36
Retail Meat Cutter	BR---BR, N.E.C.---Cuts, lacerations	0.04
Retail Meat Cutter	BR---BR, N.E.C.---Fractures	0.11
Retail Meat Cutter	BR---Running--without other incident---Bruises, contusions	0.04
Retail Meat Cutter	BR---STTS UNSPEC.	0.25
Retail Meat Cutter	BR---STTS, N.E.C.	1.28
Retail Meat Cutter	BR---Slipping on something--without fall	2.13
Retail Meat Cutter	BR---Stepping in hole or on object--without fall	0.85
Retail Meat Cutter	BR---Sudden reaction when surprised, ..., startled	0.07
Retail Meat Cutter	BR---Tripping over something--without fall	1.64
Retail Meat Cutter	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	0.07
Retail Meat Cutter	Caught in or compressed by equip./objects	0.32
Retail Meat Cutter	Contact with electric current	0.11
Retail Meat Cutter	COE, UNS	0.11
Retail Meat Cutter	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	0.04
Retail Meat Cutter	COE, N.E.C.---COE, N.E.C.---Urticaria, hives	0.04
Retail Meat Cutter	Contact with temperature extremes	0.14
Retail Meat Cutter	Exposure to harmful substances or enviroments, UNS	0.04
Retail Meat Cutter	Exposure to harmful substances or environments, N.E.C.	0.11
Retail Meat Cutter	Exposure to traumatic or stressful event, N.E.C.	0.11
Retail Meat Cutter	Fall to lower level	2.95
Retail Meat Cutter	Fall, N.E.C.	0.21
Retail Meat Cutter	Highway accident	0.07
Retail Meat Cutter	Jump to lower level	0.04
Retail Meat Cutter	Other events or exposures	0.04
Retail Meat Cutter	Overexertion	0.18
Retail Meat Cutter	Pedestrian struck by vehicle, mobile equipment	0.21
Retail Meat Cutter	Repetitive motion	0.04
Retail Meat Cutter	RAFP---RAFME	0.18
Retail Meat Cutter	SP---SP---Fractures and other injuries	0.04
Retail Meat Cutter	Struck against object	6.47
Network Cabling Specialist	Assaults and violent acts by person(s)	0.46
Network Cabling Specialist	Assaults and violent acts by person(s)	0.42

Child Development Practitioner - Inclusion Practices	Assaults by animals	0.14
Child Development Practitioner - Inclusion Practices	Assaults and violent acts by person(s)	0.32
Child Development Practitioner - Inclusion Practices	Bodily conditions, N.E.C.	0.04
Child Development Practitioner - Inclusion Practices	BR---BCCRT---Dislocations	0.04
Child Development Practitioner - Inclusion Practices	BR---BCCRT---Fractures	0.36
Child Development Practitioner - Inclusion Practices	BR---BR, N.E.C.---Cuts, lacerations	0.04
Child Development Practitioner - Inclusion Practices	BR---BR, N.E.C.---Fractures	0.11
Child Development Practitioner - Inclusion Practices	BR---Running--without other incident---Bruises, contusions	0.04
Child Development Practitioner - Inclusion Practices	BR---STTS UNSPEC.	0.25

Child Development Practitioner - Inclusion Practices	BR---STTS, N.E.C.	1.28
Child Development Practitioner - Inclusion Practices	BR---Slipping on something-without fall	2.13
Child Development Practitioner - Inclusion Practices	BR---Stepping in hole or on object-without fall	0.85
Child Development Practitioner - Inclusion Practices	BR---Sudden reaction when surprised, ..., startled	0.07
Child Development Practitioner - Inclusion Practices	BR---Tripping over something-without fall	1.64
Child Development Practitioner - Inclusion Practices	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	0.07
Child Development Practitioner - Inclusion Practices	Caught in or compressed by equip./objects	0.32
Child Development Practitioner - Inclusion Practices	Contact with electric current	0.11
Child Development Practitioner - Inclusion Practices	COE, UNS	0.11
Child Development Practitioner - Inclusion Practices	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	0.04
Child Development Practitioner - Inclusion Practices	COE, N.E.C.---COE, N.E.C.---Urticaria, hives	0.04
Child Development Practitioner - Inclusion Practices	Contact with temperature extremes	0.14
Child Development Practitioner - Inclusion Practices	Exposure to harmful substances or environments, UNS	0.04
Child Development Practitioner - Inclusion Practices	Exposure to harmful substances or environments, N.E.C.	0.11
Child Development Practitioner - Inclusion Practices	Exposure to traumatic or stressful event, N.E.C.	0.11
Child Development Practitioner - Inclusion Practices	Fall to lower level	2.95
Child Development Practitioner - Inclusion Practices	Fall, N.E.C.	0.21
Child Development Practitioner - Inclusion Practices	Highway accident	0.07
Child Development Practitioner - Inclusion Practices	Jump to lower level	0.04
Child Development Practitioner - Inclusion Practices	Other events or exposures	0.04
Child Development Practitioner - Inclusion Practices	Overexertion	0.18
Child Development Practitioner - Inclusion Practices	Pedestrian struck by vehicle, mobile equipment	0.21
Child Development Practitioner - Inclusion Practices	Repetitive motion	0.04
Child Development Practitioner - Inclusion Practices	RAFP---RAFME	0.18
Child Development Practitioner - Inclusion Practices	SP---SP---Fractures and other injuries	0.04
Child Development Practitioner - Inclusion Practices	Struck against object	6.47
Child Development Practitioner - Inclusion Practices	Assaults and violent acts by person(s)	0.3
Cook	Assaults and violent acts by person(s)	0.3
Child and Youth Worker	Assaults by animals	0.52
Institutional Cook	Assaults and violent acts by person(s)	0.3
Institutional Cook	Bodily conditions, N.E.C.	0.56
Institutional Cook	BR---BCCRT---Bruises, contusions	0.04
Institutional Cook	BR---BCCRT---Dislocations	0.06
Institutional Cook	BR---BCCRT---Fractures	0.13
Institutional Cook	BR---BR, N.E.C.---Blisters	0.02

Institutional Cook	BR---BR, N.E.C.---Bruises, contusions	0.06
Institutional Cook	BR---BR, N.E.C.---Fractures	0.02
Institutional Cook	BR---BR, N.E.C.---Uns tachycardia (rapid heart beat)	0.02
Institutional Cook	BR---STTS UNSPEC.	0.28
Institutional Cook	BR---STTS, N.E.C.	0.67
Institutional Cook	BR---Slipping on something-without fall	1.08
Institutional Cook	BR---Stepping in hole or on object-without fall	0.35
Institutional Cook	BR---Tripping over something-without fall	0.39
Institutional Cook	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	0.04
Institutional Cook	BRE, N.E.C.---BRE, N.E.C.---Concussions	0.02
Institutional Cook	BRE, N.E.C.---BRE, N.E.C.---Dislocations	0.06
Institutional Cook	BRE, N.E.C.---BRE, N.E.C.---Fractures	0.02
Institutional Cook	Caught in or compressed by equip./objects	0.52
Institutional Cook	Contact with electric current	0.06
Institutional Cook	COE, UNS	0.04
Institutional Cook	COE, N.E.C.---COE, N.E.C.---Bruises, contusions	0.02
Institutional Cook	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	0.04
Institutional Cook	Contact with temperature extremes	0.26
Institutional Cook	Explosion	0.04
Institutional Cook	Exposure to harmful substances or environments, UNS	0.02
Institutional Cook	Exposure to harmful substances or environments, N.E.C.	0.02
Institutional Cook	Exposure to noise	0.02
Institutional Cook	Exposure to radiation	0.02
Institutional Cook	Exposure to traumatic or stressful event, N.E.C.	1.84
Institutional Cook	Fall to lower level	3.52
Institutional Cook	Fall, N.E.C.	0.22
Institutional Cook	Fall, UNS	0.02
Institutional Cook	Fire--uninteded or uncontrolled	0.11
Institutional Cook	Highway accident	3.91
Institutional Cook	Jump to lower level	0.13
Institutional Cook	Nonhighway accident, except rail, air, water	0.41
Institutional Cook	Other events or exposures	0.04
Institutional Cook	Overexertion	0.04
Institutional Cook	Pedestrian struck by vehicle, mobile equipment	0.13
Institutional Cook	Repetitive motion	0.02
Institutional Cook	RAFP---RAFME	0.15
Institutional Cook	Struck against object	3.09
Institutional Cook	Unknown	0.04
Institutional Cook	Assaults and violent acts by person(s)	0.28
Institutional Cook	Assaults by animals	0.02
Institutional Cook	Bodily conditions, N.E.C.	0.02
Institutional Cook	BR---BCCRT---Bruises, contusions	0.05
Institutional Cook	BR---BCCRT---Cuts, lacerations	0.02
Institutional Cook	BR---BCCRT---Dislocations	0.04
Institutional Cook	BR---BCCRT---Fractures	0.09
Institutional Cook	BR---BR, N.E.C.---Bruises, contusions	0.05
Institutional Cook	BR---BR, N.E.C.---Fractures	0.04
Institutional Cook	BR---STTS UNSPEC.	0.45
Institutional Cook	BR---STTS, N.E.C.	0.52
Institutional Cook	BR---Slipping on something-without fall	1.73
Institutional Cook	BR---Stepping in hole or on object-without fall	0.05
Institutional Cook	BR---Sudden reaction when surprised, ..., startled	0.02
Institutional Cook	BR---Tripping over something-without fall	0.53
Institutional Cook	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	0.02
Institutional Cook	BRE, N.E.C.---BRE, N.E.C.---Dislocations	0.02
Institutional Cook	BRE, N.E.C.---BRE, N.E.C.---Fractures	0.04
Institutional Cook	Caught in or compressed by equip./objects	1.75
Institutional Cook	Contact with electric current	0.23
Institutional Cook	COE, UNS	0.12
Institutional Cook	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	0.82
Institutional Cook	COE, N.E.C.---COE, N.E.C.---Fractures	0.02
Institutional Cook	COE, N.E.C.---COE, N.E.C.---Heat burns, scalds, N.E.C.	0.02
Institutional Cook	Explosion	0.05

Institutional Cook	Exposure to caustic, noxious, or allergenic substances	3.53
Institutional Cook	Exposure to harmful substances or environments, UNS	0.04
Institutional Cook	Exposure to harmful substances or environments, N.E.C.	0.05
Institutional Cook	Fall to lower level	2.9
Institutional Cook	Fall, UNS	0.02
Institutional Cook	Fire or explosion, N.E.C.	0.02
Institutional Cook	Fire or explosion, UNS	0.02
Institutional Cook	Fire--uninteded or uncontrolled	0.34
Institutional Cook	Highway accident	0.09
Institutional Cook	Jump to lower level	0.05
Institutional Cook	Nonhighway accident, except rail, air, water	0.07
Institutional Cook	Overexertion	0.18
Institutional Cook	Pedestrian struck by vehicle, mobile equipment	0.05
Institutional Cook	Repetitive motion	0.02
Institutional Cook	RAFP---RAFME	0.48
Institutional Cook	RAFP---RAFP, N.E.C.---Cuts, lacerations	0.04
Institutional Cook	RAFP---RAKOS---Chemical burns, N.E.C.	0.02
Institutional Cook	RAFP---RAOBH---Abrasions, scratches	0.02
Institutional Cook	RAFP---RAOBH---Amputations, fingertip	0.02
Institutional Cook	RAFP---RAOBH---Cuts, lacerations	0.07
Institutional Cook	Self-inflicted injury	0.18
Institutional Cook	Unknown	0.02
Institutional Cook	Water vehicle accident	0.07
Horticultural Technician	Assaults and violent acts by person(s)	0.28
Utility Arborist	Assaults and violent acts by person(s)	0.28
Developmental Services Worker	Assaults by animals	0.52
Developmental Services Worker	Assaults and violent acts by person(s)	0.27
Developmental Services Worker	Bodily conditions, N.E.C.	0.56
Developmental Services Worker	BR---BCCRT---Bruises, contusions	0.04
Developmental Services Worker	BR---BCCRT---Dislocations	0.06
Developmental Services Worker	BR---BCCRT---Fractures	0.13
Developmental Services Worker	BR---BR, N.E.C.---Blisters	0.02
Developmental Services Worker	BR---BR, N.E.C.---Bruises, contusions	0.06
Developmental Services Worker	BR---BR, N.E.C.---Fractures	0.02
Developmental Services Worker	BR---BR, N.E.C.---Uns tachycardia (rapid heart beat)	0.02
Developmental Services Worker	BR---STTS UNSPEC.	0.28
Developmental Services Worker	BR---STTS, N.E.C.	0.67
Developmental Services Worker	BR---Slipping on something-without fall	1.08
Developmental Services Worker	BR---Stepping in hole or on object-without fall	0.35
Developmental Services Worker	BR---Tripping over something-without fall	0.39
Developmental Services Worker	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	0.04
Developmental Services Worker	BRE, N.E.C.---BRE, N.E.C.---Concussions	0.02
Developmental Services Worker	BRE, N.E.C.---BRE, N.E.C.---Dislocations	0.06
Developmental Services Worker	BRE, N.E.C.---BRE, N.E.C.---Fractures	0.02
Developmental Services Worker	Caught in or compressed by equip./objects	0.52
Developmental Services Worker	Contact with electric current	0.06
Developmental Services Worker	COE, UNS	0.04
Developmental Services Worker	COE, N.E.C.---COE, N.E.C.---Bruises, contusions	0.02
Developmental Services Worker	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	0.04
Developmental Services Worker	Contact with temperature extremes	0.26
Developmental Services Worker	Explosion	0.04
Developmental Services Worker	Exposure to harmful substances or environments, UNS	0.02
Developmental Services Worker	Exposure to harmful substances or environments, N.E.C.	0.02
Developmental Services Worker	Exposure to noise	0.02
Developmental Services Worker	Exposure to radiation	0.02
Developmental Services Worker	Exposure to traumatic or stressful event, N.E.C.	1.84
Developmental Services Worker	Fall to lower level	3.52
Developmental Services Worker	Fall, N.E.C.	0.22
Developmental Services Worker	Fall, UNS	0.02
Developmental Services Worker	Fire--uninteded or uncontrolled	0.11
Developmental Services Worker	Highway accident	3.91
Developmental Services Worker	Jump to lower level	0.13
Developmental Services Worker	Nonhighway accident, except rail, air, water	0.41

Developmental Services Worker	Other events or exposures	0.04
Developmental Services Worker	Overexertion	0.04
Developmental Services Worker	Pedestrian struck by vehicle, mobile equipment	0.13
Developmental Services Worker	Repetitive motion	0.02
Developmental Services Worker	RAFP---RAFME	0.15
Developmental Services Worker	Struck against object	3.09
Developmental Services Worker	Unknown	0.04
Developmental Services Worker	Assaults and violent acts by person(s)	0.27
Parts Technician	Assaults and violent acts by person(s)	0.23
Educational Assistant	Assaults by animals	0.21
Educational Assistant	Assaults, violent acts and harassment, N.E.C.	0.2
Educational Assistant	Bodily conditions, N.E.C.	0.02
Educational Assistant	BR & exertion, UNS---BR & exertion, UNS---Dislocations	0.01
Educational Assistant	BR---BCCRT---Bruises, contusions	0.02
Educational Assistant	BR---BCCRT---Dislocations	0.03
Educational Assistant	BR---BCCRT---Fractures	0.19
Educational Assistant	BR---BCCRT---Fractures and other injuries	0.01
Educational Assistant	BR---BR, N.E.C---Bruises, contusions	0.06
Educational Assistant	BR---BR, N.E.C---Dislocations	0.01
Educational Assistant	BR---BR, N.E.C---Fractures	0.08
Educational Assistant	BR---BR, UNS---Bruises, contusions	0.02
Educational Assistant	BR---Running--without other incident---Fractures	0.01
Educational Assistant	BR---STTS UNSPEC.	0.3
Educational Assistant	BR---STTS, N.E.C.	0.96
Educational Assistant	BR---Slipping on something--without fall	1.27
Educational Assistant	BR---Stepping in hole or on object--without fall	0.28
Educational Assistant	BR---Sudden reaction when surprised, ..., startled	0.02
Educational Assistant	BR---Tripping over something--without fall	0.55
Educational Assistant	BR---Walking--without other incident---Fractures	0.01
Educational Assistant	BRE, N.E.C---BRE, N.E.C---Bruises, contusions	0.02
Educational Assistant	BRE, N.E.C---BRE, N.E.C---Concussions	0.01
Educational Assistant	BRE, N.E.C---BRE, N.E.C---Dislocations	0.03
Educational Assistant	BRE, N.E.C---BRE, N.E.C---Fractures	0.02
Educational Assistant	Caught in or compressed by equip./objects	0.45
Educational Assistant	Caught in/crushed in collapsing materials	0.01
Educational Assistant	Contact with electric current	0.02
Educational Assistant	COE, UNS	0.01
Educational Assistant	COE, N.E.C---COE, N.E.C---CD	0.01
Educational Assistant	COE, N.E.C---COE, N.E.C---Cuts, lacerations	0.03
Educational Assistant	Contact with temperature extremes	0.1
Educational Assistant	Exposure to caustic, noxious, or allergenic substances	1.98
Educational Assistant	Exposure to harmful substances or environments, UNS	0.01
Educational Assistant	Exposure to harmful substances or environments, N.E.C.	0.01
Educational Assistant	Exposure to noise	0.05
Educational Assistant	Exposure to radiation	0.01
Educational Assistant	Exposure to traumatic or stressful event, N.E.C.	0.23
Educational Assistant	Fall to lower level	2.29
Educational Assistant	Fall, N.E.C.	0.17
Educational Assistant	Highway accident	0.49
Educational Assistant	Jump to lower level	0.05
Educational Assistant	Nonhighway accident, except rail, air, water	0.08
Educational Assistant	Other events or exposures	0.02
Educational Assistant	Overexertion	0.07
Educational Assistant	Pedestrian struck by vehicle, mobile equipment	0.15
Educational Assistant	RAFP---RAFME	0.15
Educational Assistant	RAFP---RAFP, N.E.C---Disorders of the skin & subcutaneous tissue, UNS	0.01
Educational Assistant	RAJV---Rubbed, ..., or jarred by other machine or equip---Dizziness	0.01
Educational Assistant	Unknown	0.02
Electronic Service Technician	Assaults by animals	0.26
Electronic Service Technician	BR---BCCRT---Bruises, contusions	0.13
Electronic Service Technician	BR---BCCRT---Cuts, lacerations	0.13
Electronic Service Technician	BR---BCCRT---Dislocations	0.13
Electronic Service Technician	BR---BCCRT---Fractures	0.39

Electronic Service Technician	BR---BR, N.E.C.---Dislocations	0.13
Electronic Service Technician	BR---STTS UNSPEC.	0.53
Electronic Service Technician	BR---STTS, N.E.C.	0.39
Electronic Service Technician	BR---Slipping on something-without fall	2.23
Electronic Service Technician	BR---Stepping in hole or on object-without fall	1.05
Electronic Service Technician	BR---Tripping over something-without fall	0.13
Electronic Service Technician	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	0.13
Electronic Service Technician	BRE, N.E.C.---BRE, N.E.C.---Fractures	0.13
Electronic Service Technician	Caught in or compressed by equip./objects	2.76
Electronic Service Technician	Contact with electric current	0.92
Electronic Service Technician	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	0.13
Electronic Service Technician	Contact with temperature extremes	0.39
Electronic Service Technician	Exposure to caustic, noxious, or allergenic substances	2.37
Electronic Service Technician	Exposure to harmful substances or environments, N.E.C.	0.13
Electronic Service Technician	Exposure to traumatic or stressful event, N.E.C.	0.13
Electronic Service Technician	Fire or explosion, UNS	0.13
Electronic Service Technician	Fire--uninteded or uncontrolled	0.13
Electronic Service Technician	Highway accident	5.52
Electronic Service Technician	Jump to lower level	0.13
Electronic Service Technician	Nonhighway accident, except rail, air, water	0.39
Electronic Service Technician	Overexertion	0.66
Electronic Service Technician	Pedestrian struck by vehicle, mobile equipment	0.39
Electronic Service Technician	RAFP---RAFME	0.39
Electronic Service Technician	Self-inflicted injury	0.13
Hairstylist	Assaults by animals	1.67
Hairstylist	BR---BCCRT---Bruises, contusions	1.67
Hairstylist	BR---Slipping on something-without fall	3.33
Hairstylist	Caught in or compressed by equip./objects	5
Hairstylist	COE, N.E.C.---COE, N.E.C.---Abrasions, scratches	1.67
Hairstylist	Contact with temperature extremes	1.67
Hairstylist	Exposure to caustic, noxious, or allergenic substances	3.33
Hairstylist	Assaults, violent acts and harassment, N.E.C.	0.15
Hardware, Lumber and Building Materials Retailer	Assaults by animals	0.16
Hardware, Lumber and Building Materials Retailer	Assaults, violent acts and harassment, N.E.C.	0.15
Hardware, Lumber and Building Materials Retailer	Bodily conditions, N.E.C.	0.03
Hardware, Lumber and Building Materials Retailer	BR---BCCRT---Dislocations	0.03
Hardware, Lumber and Building Materials Retailer	BR---BCCRT---Fractures	0.26
Hardware, Lumber and Building Materials Retailer	BR---BCCRT---Traumatic injuries to bones, nerves, spinal cord, UNS	0.03
Hardware, Lumber and Building Materials Retailer	BR---BR, N.E.C.---Bruises, contusions	0.03
Hardware, Lumber and Building Materials Retailer	BR---BR, N.E.C.---Fractures	0.03
Hardware, Lumber and Building Materials Retailer	BR---STTS UNSPEC.	0.39
Hardware, Lumber and Building Materials Retailer	BR---STTS, N.E.C.	0.72
Hardware, Lumber and Building Materials Retailer	BR---Slipping on something-without fall	1.74
Hardware, Lumber and Building Materials Retailer	BR---Stepping in hole or on object-without fall	0.43
Hardware, Lumber and Building Materials Retailer	BR---Tripping over something-without fall	0.59
Hardware, Lumber and Building Materials Retailer	BR---Walking--without other incident---Fractures	0.03
Hardware, Lumber and Building Materials Retailer	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	0.03
Hardware, Lumber and Building Materials Retailer	BRE, N.E.C.---BRE, N.E.C.---Dislocations	0.03
Hardware, Lumber and Building Materials Retailer	BRE, N.E.C.---BRE, N.E.C.---Fractures	0.03
Hardware, Lumber and Building Materials Retailer	BRE, N.E.C.---OLT---Concussions	0.03
Hardware, Lumber and Building Materials Retailer	Caught in or compressed by equip./objects	1.81
Hardware, Lumber and Building Materials Retailer	Caught in/crushed in collapsing materials	0.03
Hardware, Lumber and Building Materials Retailer	Contact with electric current	0.13
Hardware, Lumber and Building Materials Retailer	COE, UNS	0.07
Hardware, Lumber and Building Materials Retailer	COE, N.E.C.---COE, N.E.C.---FB	0.03
Hardware, Lumber and Building Materials Retailer	COE, N.E.C.---COE, N.E.C.---Punctures, except bites	0.03
Hardware, Lumber and Building Materials Retailer	Contact with temperature extremes	0.89
Hardware, Lumber and Building Materials Retailer	Explosion	0.07
Hardware, Lumber and Building Materials Retailer	Exposure to caustic, noxious, or allergenic substances	1.48
Hardware, Lumber and Building Materials Retailer	Exposure to noise	0.03
Hardware, Lumber and Building Materials Retailer	Exposure to traumatic or stressful event, N.E.C.	0.43
Hardware, Lumber and Building Materials Retailer	Fall, N.E.C.	0.1
Hardware, Lumber and Building Materials Retailer	Fall, UNS	0.03



Hardware, Lumber and Building Materials Retailer	Highway accident	1.15
Hardware, Lumber and Building Materials Retailer	Jump to lower level	0.1
Hardware, Lumber and Building Materials Retailer	Nonhighway accident, except rail, air, water	0.26
Hardware, Lumber and Building Materials Retailer	Overexertion	0.2
Hardware, Lumber and Building Materials Retailer	Pedestrian struck by vehicle, mobile equipment	0.39
Hardware, Lumber and Building Materials Retailer	Repetitive motion	0.03
Hardware, Lumber and Building Materials Retailer	RAFP---RAFME	0.3
Hardware, Lumber and Building Materials Retailer	RAFP---RAKOS---Cellulitis, abscess, paronychia	0.03
Hardware, Lumber and Building Materials Retailer	Unknown	0.03
Hardware, Lumber and Building Materials Retailer	Assaults and violent acts, UNS	0.15
Hardware, Lumber and Building Materials Retailer	Bodily conditions, N.E.C.	0.15
Hardware, Lumber and Building Materials Retailer	BR---BCCRT---Bruises, contusions	0.31
Hardware, Lumber and Building Materials Retailer	BR---BCCRT---FB	0.15
Hardware, Lumber and Building Materials Retailer	BR---BCCRT---Fractures	0.31
Hardware, Lumber and Building Materials Retailer	BR---BR, N.E.C---Dislocations	0.15
Hardware, Lumber and Building Materials Retailer	BR---STTS UNSPEC.	0.15
Hardware, Lumber and Building Materials Retailer	BR---STTS, N.E.C.	0.46
Hardware, Lumber and Building Materials Retailer	BR---Slipping on something-without fall	0.92
Hardware, Lumber and Building Materials Retailer	BR---Stepping in hole or on object-without fall	0.46
Hardware, Lumber and Building Materials Retailer	BR---Tripping over something-without fall	0.15
Hardware, Lumber and Building Materials Retailer	BRE, N.E.C---BRE, N.E.C---Fractures	0.15
Hardware, Lumber and Building Materials Retailer	Caught in or compressed by equip./objects	1.84
Hardware, Lumber and Building Materials Retailer	Contact with electric current	0.15
Hardware, Lumber and Building Materials Retailer	COE, N.E.C---COE, N.E.C---Fractures	0.15
Hardware, Lumber and Building Materials Retailer	Exposure to caustic, noxious, or allergenic substances	2.45
Hardware, Lumber and Building Materials Retailer	Exposure to radiation	0.15
Hardware, Lumber and Building Materials Retailer	Fall to lower level	1.53
Hardware, Lumber and Building Materials Retailer	Fall, N.E.C.	0.15
Hardware, Lumber and Building Materials Retailer	Highway accident	0.31
Hardware, Lumber and Building Materials Retailer	Nonhighway accident, except rail, air, water	0.15
Hardware, Lumber and Building Materials Retailer	Overexertion	0.46
Hardware, Lumber and Building Materials Retailer	RAFP---RAFME	0.61
Hardware, Lumber and Building Materials Retailer	Unknown	0.15
Pool, Hot Tub and Spa - Installer	Assaults and violent acts by person(s)	0.12
Pool, Hot Tub and Spa - Installer	Assaults by animals	0.55
Pool, Hot Tub and Spa - Installer	BR---BCCRT---Bruises, contusions	0.14
Pool, Hot Tub and Spa - Installer	BR---BCCRT---Dislocations	0.14
Pool, Hot Tub and Spa - Installer	BR---STTS UNSPEC.	0.41
Pool, Hot Tub and Spa - Installer	BR---STTS, N.E.C.	1.8
Pool, Hot Tub and Spa - Installer	BR---Slipping on something-without fall	0.97
Pool, Hot Tub and Spa - Installer	BR---Stepping in hole or on object-without fall	1.11
Pool, Hot Tub and Spa - Installer	BR---Tripping over something-without fall	0.14
Pool, Hot Tub and Spa - Installer	Caught in or compressed by equip./objects	4.01
Pool, Hot Tub and Spa - Installer	Caught in/crushed in collapsing materials	0.28
Pool, Hot Tub and Spa - Installer	Contact with electric current	0.14
Pool, Hot Tub and Spa - Installer	COE, N.E.C---COE, N.E.C---Fractures	0.14
Pool, Hot Tub and Spa - Installer	Contact with temperature extremes	0.83
Pool, Hot Tub and Spa - Installer	Exposure to caustic, noxious, or allergenic substances	4.43
Pool, Hot Tub and Spa - Installer	Exposure to harmful substances or environments, UNS	0.14
Pool, Hot Tub and Spa - Installer	Exposure to harmful substances or environments, N.E.C.	0.14
Pool, Hot Tub and Spa - Installer	Exposure to radiation	0.28
Pool, Hot Tub and Spa - Installer	Exposure to traumatic or stressful event, N.E.C.	0.14
Pool, Hot Tub and Spa - Installer	Fall, N.E.C.	0.14
Pool, Hot Tub and Spa - Installer	Highway accident	1.38
Pool, Hot Tub and Spa - Installer	Jump to lower level	1.11
Pool, Hot Tub and Spa - Installer	Nonhighway accident, except rail, air, water	1.66
Pool, Hot Tub and Spa - Installer	Overexertion	0.28
Pool, Hot Tub and Spa - Installer	Pedestrian struck by vehicle, mobile equipment	1.11
Pool, Hot Tub and Spa - Installer	RAFP---RAFME	2.35
Pool, Hot Tub and Spa - Installer	RAFP---RAFP, N.E.C---Second-degree heat burns, scalds	0.14
Pool, Hot Tub and Spa - Service Technician	Assaults and violent acts by person(s)	0.12
Pool, Hot Tub and Spa - Service Technician	Assaults by animals	0.27
Pool, Hot Tub and Spa - Service Technician	Bodily conditions, N.E.C.	0.03



Pool, Hot Tub and Spa - Service Technician	BR---BCCRT---Dislocations	0.03
Pool, Hot Tub and Spa - Service Technician	BR---BCCRT---Fractures	0.17
Pool, Hot Tub and Spa - Service Technician	BR---BR, N.E.C---Bruises, contusions	0.1
Pool, Hot Tub and Spa - Service Technician	BR---BR, N.E.C---Fractures	0.13
Pool, Hot Tub and Spa - Service Technician	BR---Running--without other incident---Fractures	0.03
Pool, Hot Tub and Spa - Service Technician	BR---STTS UNSPEC.	0.37
Pool, Hot Tub and Spa - Service Technician	BR---STTS, N.E.C.	1.26
Pool, Hot Tub and Spa - Service Technician	BR---Slipping on something-without fall	1.8
Pool, Hot Tub and Spa - Service Technician	BR---Standing---Bruises, contusions	0.03
Pool, Hot Tub and Spa - Service Technician	BR---Stepping in hole or on object-without fall	0.33
Pool, Hot Tub and Spa - Service Technician	BR---Sudden reaction when surprised, ..., startled	0.07
Pool, Hot Tub and Spa - Service Technician	BR---Tripping over something-without fall	1.07
Pool, Hot Tub and Spa - Service Technician	BRE, N.E.C---BRE, N.E.C---Fractures	0.07
Pool, Hot Tub and Spa - Service Technician	BRE, N.E.C---BRE, N.E.C---TIN, unspec	0.03
Pool, Hot Tub and Spa - Service Technician	BRE, N.E.C---OLT---Dislocations	0.03
Pool, Hot Tub and Spa - Service Technician	Caught in or compressed by equip./objects	1.6
Pool, Hot Tub and Spa - Service Technician	Caught in/crushed in collapsing materials	0.03
Pool, Hot Tub and Spa - Service Technician	Contact with electric current	0.2
Pool, Hot Tub and Spa - Service Technician	COE, N.E.C---COE, N.E.C---CD	0.03
Pool, Hot Tub and Spa - Service Technician	COE, N.E.C---COE, N.E.C---Cuts, lacerations	0.13
Pool, Hot Tub and Spa - Service Technician	COE, N.E.C---COE, N.E.C---Fractures	0.03
Pool, Hot Tub and Spa - Service Technician	Contact with temperature extremes	1.66
Pool, Hot Tub and Spa - Service Technician	Exposure to harmful substances or environments, UNS	0.03
Pool, Hot Tub and Spa - Service Technician	Exposure to harmful substances or environments, N.E.C.	0.1
Pool, Hot Tub and Spa - Service Technician	Exposure to noise	0.03
Pool, Hot Tub and Spa - Service Technician	Exposure to traumatic or stressful event, N.E.C.	0.4
Pool, Hot Tub and Spa - Service Technician	Fall to lower level	4.29
Pool, Hot Tub and Spa - Service Technician	Fall, N.E.C.	0.03
Pool, Hot Tub and Spa - Service Technician	Highway accident	1.2
Pool, Hot Tub and Spa - Service Technician	Jump to lower level	0.17
Pool, Hot Tub and Spa - Service Technician	Nonhighway accident, except rail, air, water 0.43	
Pool, Hot Tub and Spa - Service Technician	Other events or exposures	0.03
Pool, Hot Tub and Spa - Service Technician	Overexertion	0.4
Pool, Hot Tub and Spa - Service Technician	Pedestrian struck by vehicle, mobile equipment	0.27
Pool, Hot Tub and Spa - Service Technician	Railway accident	0.03
Pool, Hot Tub and Spa - Service Technician	RAFP---RAFME	0.43
Pool, Hot Tub and Spa - Service Technician	Self-inflicted injury	0.1
Pool, Hot Tub and Spa - Service Technician	Assaults and violent acts, UNS	0.07
Pool, Hot Tub and Spa - Service Technician	Assaults by animals	0.27
Pool, Hot Tub and Spa - Service Technician	Bodily conditions, N.E.C.	0.03
Pool, Hot Tub and Spa - Service Technician	BR---BCCRT---Dislocations	0.03
Pool, Hot Tub and Spa - Service Technician	BR---BCCRT---Fractures	0.17
Pool, Hot Tub and Spa - Service Technician	BR---BR, N.E.C---Bruises, contusions	0.1
Pool, Hot Tub and Spa - Service Technician	BR---BR, N.E.C---Fractures	0.13
Pool, Hot Tub and Spa - Service Technician	BR---Running--without other incident---Fractures	0.03
Pool, Hot Tub and Spa - Service Technician	BR---STTS UNSPEC.	0.37
Pool, Hot Tub and Spa - Service Technician	BR---STTS, N.E.C. 1.26	
Pool, Hot Tub and Spa - Service Technician	BR---Slipping on something-without fall	1.8
Pool, Hot Tub and Spa - Service Technician	BR---Standing---Bruises, contusions	0.03
Pool, Hot Tub and Spa - Service Technician	BR---Stepping in hole or on object-without fall	0.33
Pool, Hot Tub and Spa - Service Technician	BR---Sudden reaction when surprised, ..., startled	0.07
Pool, Hot Tub and Spa - Service Technician	BR---Tripping over something-without fall	1.07
Pool, Hot Tub and Spa - Service Technician	BRE, N.E.C---BRE, N.E.C---Fractures	0.07
Pool, Hot Tub and Spa - Service Technician	BRE, N.E.C---BRE, N.E.C---TIN, unspec	0.03
Pool, Hot Tub and Spa - Service Technician	BRE, N.E.C---OLT---Dislocations	0.03
Pool, Hot Tub and Spa - Service Technician	Caught in or compressed by equip./objects	1.6
Pool, Hot Tub and Spa - Service Technician	Caught in/crushed in collapsing materials	0.03
Pool, Hot Tub and Spa - Service Technician	Contact with electric current	0.2
Pool, Hot Tub and Spa - Service Technician	COE, N.E.C---COE, N.E.C---CD	0.03
Pool, Hot Tub and Spa - Service Technician	COE, N.E.C---COE, N.E.C---Cuts, lacerations	0.13
Pool, Hot Tub and Spa - Service Technician	COE, N.E.C---COE, N.E.C---Fractures	0.03
Pool, Hot Tub and Spa - Service Technician	Contact with temperature extremes	1.66
Pool, Hot Tub and Spa - Service Technician	Exposure to harmful substances or environments, UNS	0.03

Pool, Hot Tub and Spa - Service Technician	Exposure to harmful substances or environments, N.E.C.	0.1
Pool, Hot Tub and Spa - Service Technician	Exposure to noise	0.03
Pool, Hot Tub and Spa - Service Technician	Exposure to traumatic or stressful event, N.E.C.	0.4
Pool, Hot Tub and Spa - Service Technician	Fall to lower level	4.29
Pool, Hot Tub and Spa - Service Technician	Fall, N.E.C.	0.03
Pool, Hot Tub and Spa - Service Technician	Highway accident	1.2
Pool, Hot Tub and Spa - Service Technician	Jump to lower level	0.17
Pool, Hot Tub and Spa - Service Technician	Nonhighway accident, except rail, air, water	0.43
Pool, Hot Tub and Spa - Service Technician	Other events or exposures	0.03
Pool, Hot Tub and Spa - Service Technician	Overexertion	0.4
Pool, Hot Tub and Spa - Service Technician	Pedestrian struck by vehicle, mobile equipment	0.27
Pool, Hot Tub and Spa - Service Technician	Railway accident	0.03
Pool, Hot Tub and Spa - Service Technician	RAFP---RAFME	0.43
Pool, Hot Tub and Spa - Service Technician	Self-inflicted injury	0.1
Pool, Hot Tub and Spa - Service Technician	Assaults, violent acts and harassment, N.E.C.	0.07
Pool, Hot Tub and Spa - Service Technician	Assaults by animals	0.02
Pool, Hot Tub and Spa - Service Technician	Bodily conditions, N.E.C.	0.02
Pool, Hot Tub and Spa - Service Technician	BR---BCCRT---Bruises, contusions	0.05
Pool, Hot Tub and Spa - Service Technician	BR---BCCRT---Cuts, lacerations	0.02
Pool, Hot Tub and Spa - Service Technician	BR---BCCRT---Dislocations	0.04
Pool, Hot Tub and Spa - Service Technician	BR---BCCRT---Fractures	0.09
Pool, Hot Tub and Spa - Service Technician	BR---BR, N.E.C.---Bruises, contusions	0.05
Pool, Hot Tub and Spa - Service Technician	BR---BR, N.E.C.---Fractures	0.04
Pool, Hot Tub and Spa - Service Technician	BR---STTS UNSPEC.	0.45
Pool, Hot Tub and Spa - Service Technician	BR---STTS, N.E.C.	0.52
Pool, Hot Tub and Spa - Service Technician	BR---Slipping on something-without fall	1.73
Pool, Hot Tub and Spa - Service Technician	BR---Stepping in hole or on object-without fall	0.05
Pool, Hot Tub and Spa - Service Technician	BR---Sudden reaction when surprised, ..., startled	0.02
Pool, Hot Tub and Spa - Service Technician	BR---Tripping over something-without fall	0.53
Pool, Hot Tub and Spa - Service Technician	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	0.02
Pool, Hot Tub and Spa - Service Technician	BRE, N.E.C.---BRE, N.E.C.---Dislocations	0.02
Pool, Hot Tub and Spa - Service Technician	BRE, N.E.C.---BRE, N.E.C.---Fractures	0.04
Pool, Hot Tub and Spa - Service Technician	Caught in or compressed by equip./objects	1.75
Pool, Hot Tub and Spa - Service Technician	Contact with electric current	0.23
Pool, Hot Tub and Spa - Service Technician	COE, UNS	0.12
Pool, Hot Tub and Spa - Service Technician	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	0.82
Pool, Hot Tub and Spa - Service Technician	COE, N.E.C.---COE, N.E.C.---Fractures	0.02
Pool, Hot Tub and Spa - Service Technician	COE, N.E.C.---COE, N.E.C.---Heat burns, scalds, N.E.C.	0.02
Pool, Hot Tub and Spa - Service Technician	Explosion	0.05
Pool, Hot Tub and Spa - Service Technician	Exposure to caustic, noxious, or allergenic substances	3.53
Pool, Hot Tub and Spa - Service Technician	Exposure to harmful substances or environments, UNS	0.04
Pool, Hot Tub and Spa - Service Technician	Exposure to harmful substances or environments, N.E.C.	0.05
Pool, Hot Tub and Spa - Service Technician	Fall to lower level	2.9
Pool, Hot Tub and Spa - Service Technician	Fall, UNS	0.02
Pool, Hot Tub and Spa - Service Technician	Fire or explosion, N.E.C.	0.02
Pool, Hot Tub and Spa - Service Technician	Fire or explosion, UNS	0.02
Pool, Hot Tub and Spa - Service Technician	Fire--uninteded or uncontrolled	0.34
Pool, Hot Tub and Spa - Service Technician	Highway accident	0.09
Pool, Hot Tub and Spa - Service Technician	Jump to lower level	0.05
Pool, Hot Tub and Spa - Service Technician	Nonhighway accident, except rail, air, water	0.07
Pool, Hot Tub and Spa - Service Technician	Overexertion	0.18
Pool, Hot Tub and Spa - Service Technician	Pedestrian struck by vehicle, mobile equipment	0.05
Pool, Hot Tub and Spa - Service Technician	Repetitive motion	0.02
Pool, Hot Tub and Spa - Service Technician	RAFP---RAFME	0.48
Pool, Hot Tub and Spa - Service Technician	RAFP---RAFP, N.E.C.---Cuts, lacerations	0.04
Pool, Hot Tub and Spa - Service Technician	RAFP---RAKOS---Chemical burns, N.E.C.	0.02
Pool, Hot Tub and Spa - Service Technician	RAFP---RAOBH---Abrasions, scratches	0.02
Pool, Hot Tub and Spa - Service Technician	RAFP---RAOBH---Amputations, fingertip	0.02
Pool, Hot Tub and Spa - Service Technician	RAFP---RAOBH---Cuts, lacerations	0.07
Pool, Hot Tub and Spa - Service Technician	Self-inflicted injury	0.18
Pool, Hot Tub and Spa - Service Technician	Unknown	0.02
Pool, Hot Tub and Spa - Service Technician	Water vehicle accident	0.07
Pool, Hot Tub and Spa - Service Technician	Assaults and violent acts, UNS	0.07

Pool, Hot Tub and Spa - Service Technician	BR---BCCRT---Bruises, contusions	0.56
Pool, Hot Tub and Spa - Service Technician	BR---BCCRT---Cuts, lacerations	0.56
Pool, Hot Tub and Spa - Service Technician	BR---BR, N.E.C.---Fractures	0.56
Pool, Hot Tub and Spa - Service Technician	BR---STTS, N.E.C.	1.69
Pool, Hot Tub and Spa - Service Technician	BR---Slipping on something-without fall	2.25
Pool, Hot Tub and Spa - Service Technician	BR---Tripping over something-without fall	1.12
Pool, Hot Tub and Spa - Service Technician	Caught in or compressed by equip./objects	1.69
Pool, Hot Tub and Spa - Service Technician	Contact with electric current	1.12
Pool, Hot Tub and Spa - Service Technician	COE, UNS	0.56
Pool, Hot Tub and Spa - Service Technician	Contact with temperature extremes	1.12
Pool, Hot Tub and Spa - Service Technician	Exposure to harmful substances or environments, N.E.C.	0.56
Pool, Hot Tub and Spa - Service Technician	Highway accident	1.69
Pool, Hot Tub and Spa - Service Technician	Jump to lower level	0.56
Pool, Hot Tub and Spa - Service Technician	Nonhighway accident, except rail, air, water	0.56
Pool, Hot Tub and Spa - Service Technician	Overexertion	2.25
Pool, Hot Tub and Spa - Service Technician	RAFP---RAFME	0.56
Pool, Hot Tub and Spa - Service Technician	Assaults, violent acts and harassment, N.E.C.	0.07
Pool, Hot Tub and Spa - Service Technician	Assaults by animals	0.15
Pool, Hot Tub and Spa - Service Technician	BR---BCCRT---Bruises, contusions	0.15
Pool, Hot Tub and Spa - Service Technician	BR---BCCRT---Dislocations	0.15
Pool, Hot Tub and Spa - Service Technician	BR---BCCRT---Fractures	0.15
Pool, Hot Tub and Spa - Service Technician	BR---BR, N.E.C.---Bruises, contusions	0.15
Pool, Hot Tub and Spa - Service Technician	BR---BR, N.E.C.---Fractures	0.15
Pool, Hot Tub and Spa - Service Technician	BR---STTS UNSPEC.	0.46
Pool, Hot Tub and Spa - Service Technician	BR---STTS, N.E.C.	2.01
Pool, Hot Tub and Spa - Service Technician	BR---Slipping on something-without fall	3.55
Pool, Hot Tub and Spa - Service Technician	BR---Stepping in hole or on object-without fall	1.08
Pool, Hot Tub and Spa - Service Technician	BR---Tripping over something-without fall	0.15
Pool, Hot Tub and Spa - Service Technician	BRE, N.E.C.---BRE, N.E.C.---Crushing injuries	0.15
Pool, Hot Tub and Spa - Service Technician	Caught in or compressed by equip./objects	2.93
Pool, Hot Tub and Spa - Service Technician	Caught in/crushed in collapsing materials	0.15
Pool, Hot Tub and Spa - Service Technician	Contact with electric current	0.77
Pool, Hot Tub and Spa - Service Technician	COE, UNS	0.15
Pool, Hot Tub and Spa - Service Technician	Contact with temperature extremes	0.31
Pool, Hot Tub and Spa - Service Technician	Exposure to caustic, noxious, or allergenic substances	3.24
Pool, Hot Tub and Spa - Service Technician	Exposure to traumatic or stressful event, N.E.C.	0.93
Pool, Hot Tub and Spa - Service Technician	Highway accident	2.78
Pool, Hot Tub and Spa - Service Technician	Jump to lower level	0.62
Pool, Hot Tub and Spa - Service Technician	Nonhighway accident, except rail, air, water	0.31
Pool, Hot Tub and Spa - Service Technician	Overexertion	0.62
Pool, Hot Tub and Spa - Service Technician	Pedestrian struck by vehicle, mobile equipment	0.31
Pool, Hot Tub and Spa - Service Technician	RAFP---RAFME	1.85
Pool, Hot Tub and Spa - Service Technician	Assaults and violent acts, UNS	0.07
Pool, Hot Tub and Spa - Service Technician	BR---BCCRT---Bruises, contusions	0.12
Pool, Hot Tub and Spa - Service Technician	BR---BCCRT---Dislocations	0.12
Pool, Hot Tub and Spa - Service Technician	BR---BCCRT---Fractures	0.47
Pool, Hot Tub and Spa - Service Technician	BR---BR, N.E.C.---Avulsions	0.12
Pool, Hot Tub and Spa - Service Technician	BR---STTS UNSPEC.	0.47
Pool, Hot Tub and Spa - Service Technician	BR---STTS, N.E.C.	0.47
Pool, Hot Tub and Spa - Service Technician	BR---Slipping on something-without fall	1.17
Pool, Hot Tub and Spa - Service Technician	BR---Stepping in hole or on object-without fall	0.23
Pool, Hot Tub and Spa - Service Technician	BR---Tripping over something-without fall	0.35
Pool, Hot Tub and Spa - Service Technician	BRE, N.E.C.---BRE, N.E.C.---Fractures	0.12
Pool, Hot Tub and Spa - Service Technician	Caught in or compressed by equip./objects	2.93
Pool, Hot Tub and Spa - Service Technician	Caught in/crushed in collapsing materials	0.35
Pool, Hot Tub and Spa - Service Technician	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	0.12
Pool, Hot Tub and Spa - Service Technician	Contact with temperature extremes	0.59
Pool, Hot Tub and Spa - Service Technician	Exposure to caustic, noxious, or allergenic substances	1.64
Pool, Hot Tub and Spa - Service Technician	Exposure to harmful substances or environments, UNS	0.12
Pool, Hot Tub and Spa - Service Technician	Exposure to traumatic or stressful event, N.E.C.	0.12
Pool, Hot Tub and Spa - Service Technician	Highway accident	0.82
Pool, Hot Tub and Spa - Service Technician	Jump to lower level	0.23
Pool, Hot Tub and Spa - Service Technician	Nonhighway accident, except rail, air, water	0.82

Pool, Hot Tub and Spa - Service Technician	Overexertion	0.47
Pool, Hot Tub and Spa - Service Technician	Pedestrian struck by vehicle, mobile equipment	1.29
Pool, Hot Tub and Spa - Service Technician	RAFP---RAFME	0.59
Pool, Hot Tub and Spa - Service Technician	Self-inflicted injury	0.12
Pool, Hot Tub and Spa - Service Technician	Assaults, violent acts and harassment, N.E.C.	0.07
Pool, Hot Tub and Spa - Service Technician	Assaults by animals	0.04
Pool, Hot Tub and Spa - Service Technician	BR---BCCRT---Bruises, contusions 0.04	
Pool, Hot Tub and Spa - Service Technician	BR---BCCRT---Fractures	0.27
Pool, Hot Tub and Spa - Service Technician	BR---BR, N.E.C.---Bruises, contusions	0.08
Pool, Hot Tub and Spa - Service Technician	BR---BR, N.E.C.---Dislocations	0.04
Pool, Hot Tub and Spa - Service Technician	BR---BR, N.E.C.---Fractures	0.16
Pool, Hot Tub and Spa - Service Technician	BR---STTS UNSPEC.	0.27
Pool, Hot Tub and Spa - Service Technician	BR---STTS, N.E.C.	1.25
Pool, Hot Tub and Spa - Service Technician	BR---Slipping on something-without fall	1.21
Pool, Hot Tub and Spa - Service Technician	BR---Stepping in hole or on object-without fall	0.86
Pool, Hot Tub and Spa - Service Technician	BR---Sudden reaction when surprised, ..., startled	0.04
Pool, Hot Tub and Spa - Service Technician	BR---Tripping over something-without fall	0.43
Pool, Hot Tub and Spa - Service Technician	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	0.04
Pool, Hot Tub and Spa - Service Technician	BRE, N.E.C.---BRE, N.E.C.---Cuts, lacerations	0.04
Pool, Hot Tub and Spa - Service Technician	BRE, N.E.C.---BRE, N.E.C.---Dislocations	0.04
Pool, Hot Tub and Spa - Service Technician	BRE, N.E.C.---BRE, N.E.C.---Fractures	0.08
Pool, Hot Tub and Spa - Service Technician	Caught in or compressed by equip./objects	3.56
Pool, Hot Tub and Spa - Service Technician	Caught in/crushed in collapsing materials 0.12 Contact with electric current 0.31	
Pool, Hot Tub and Spa - Service Technician	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	0.2
Pool, Hot Tub and Spa - Service Technician	Contact with temperature extremes	0.51
Pool, Hot Tub and Spa - Service Technician	Explosion	0.16
Pool, Hot Tub and Spa - Service Technician	Exposure to caustic, noxious, or allergenic substances	0.98
Pool, Hot Tub and Spa - Service Technician	Exposure to traumatic or stressful event, N.E.C.	0.04
Pool, Hot Tub and Spa - Service Technician	Fall, N.E.C. 0.12	
Pool, Hot Tub and Spa - Service Technician	Fall, UNS	0.04
Pool, Hot Tub and Spa - Service Technician	Fire or explosion, N.E.C.	0.04
Pool, Hot Tub and Spa - Service Technician	Fire--uninteded or uncontrolled	0.2
Pool, Hot Tub and Spa - Service Technician	Highway accident	2.54
Pool, Hot Tub and Spa - Service Technician	Jump to lower level	0.51
Pool, Hot Tub and Spa - Service Technician	Nonhighway accident, except rail, air, water	0.23
Pool, Hot Tub and Spa - Service Technician	Overexertion	0.59
Pool, Hot Tub and Spa - Service Technician	Pedestrian struck by vehicle, mobile equipment	0.23
Pool, Hot Tub and Spa - Service Technician	RAFP---RAFME 1.72	
Pool, Hot Tub and Spa - Service Technician	RAFP---RAFP, N.E.C.---Blisters 0.04	
Pool, Hot Tub and Spa - Service Technician	RAFP---RAFP, N.E.C.---Cuts, lacerations	0.04
Pool, Hot Tub and Spa - Service Technician	RAFP---RAKOS---Abrasions, scratches	0.04
Pool, Hot Tub and Spa - Service Technician	RAFP---RAKOS---Cellulitis, abscess, paronychia	0.04
Pool, Hot Tub and Spa - Service Technician	RAFP---RAOBH---Cuts, lacerations	0.04
Pool, Hot Tub and Spa - Service Technician	RAFP---RAOBH---Friction burns	0.04
Pool, Hot Tub and Spa - Service Technician	Self-inflicted injury	0.04
Pool, Hot Tub and Spa - Service Technician	Transportation accident, UNS 0.04	
Pool, Hot Tub and Spa - Service Technician	Assaults and violent acts, UNS	0.06
Pool, Hot Tub and Spa - Service Technician	Assaults by animals 0.04	
Pool, Hot Tub and Spa - Service Technician	BR---BCCRT---Bruises, contusions	0.04
Pool, Hot Tub and Spa - Service Technician	BR---BCCRT---Fractures	0.27
Pool, Hot Tub and Spa - Service Technician	BR---BR, N.E.C.---Bruises, contusions	0.08
Pool, Hot Tub and Spa - Service Technician	BR---BR, N.E.C.---Dislocations	0.04
Pool, Hot Tub and Spa - Service Technician	BR---BR, N.E.C.---Fractures 0.16	
Pool, Hot Tub and Spa - Service Technician	BR---STTS UNSPEC.	0.27
Pool, Hot Tub and Spa - Service Technician	BR---STTS, N.E.C.	1.25
Pool, Hot Tub and Spa - Service Technician	BR---Slipping on something-without fall	1.21
Pool, Hot Tub and Spa - Service Technician	BR---Stepping in hole or on object-without fall	0.86
Pool, Hot Tub and Spa - Service Technician	BR---Sudden reaction when surprised, ..., startled	0.04
Pool, Hot Tub and Spa - Service Technician	BR---Tripping over something-without fall	0.43
Pool, Hot Tub and Spa - Service Technician	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	0.04
Pool, Hot Tub and Spa - Service Technician	BRE, N.E.C.---BRE, N.E.C.---Cuts, lacerations	0.04
Pool, Hot Tub and Spa - Service Technician	BRE, N.E.C.---BRE, N.E.C.---Dislocations	0.04

Pool, Hot Tub and Spa - Service Technician	BRE, N.E.C.---BRE, N.E.C.---Fractures	0.08
Pool, Hot Tub and Spa - Service Technician	Caught in or compressed by equip./objects	3.56
Pool, Hot Tub and Spa - Service Technician	Caught in/crushed in collapsing materials	0.12
Pool, Hot Tub and Spa - Service Technician	Contact with electric current	0.31
Pool, Hot Tub and Spa - Service Technician	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	0.2
Pool, Hot Tub and Spa - Service Technician	Contact with temperature extremes	0.51
Pool, Hot Tub and Spa - Service Technician	Explosion	0.16
Pool, Hot Tub and Spa - Service Technician	Exposure to caustic, noxious, or allergenic substances	0.98
Pool, Hot Tub and Spa - Service Technician	Exposure to traumatic or stressful event, N.E.C.	0.04
Pool, Hot Tub and Spa - Service Technician	Fall, N.E.C.	0.12
Pool, Hot Tub and Spa - Service Technician	Fall, UNS	0.04
Pool, Hot Tub and Spa - Service Technician	Fire or explosion, N.E.C.	0.04
Pool, Hot Tub and Spa - Service Technician	Fire--uninteded or uncontrolled	0.2
Pool, Hot Tub and Spa - Service Technician	Highway accident	2.54
Pool, Hot Tub and Spa - Service Technician	Jump to lower level	0.51
Pool, Hot Tub and Spa - Service Technician	Nonhighway accident, except rail, air, water	0.23
Pool, Hot Tub and Spa - Service Technician	Overexertion	0.59
Pool, Hot Tub and Spa - Service Technician	Pedestrian struck by vehicle, mobile equipment	0.23
Pool, Hot Tub and Spa - Service Technician	RAFP---RAFME	1.72
Pool, Hot Tub and Spa - Service Technician	RAFP---RAFP, N.E.C.---Blisters	0.04
Pool, Hot Tub and Spa - Service Technician	RAFP---RAFP, N.E.C.---Cuts, lacerations	0.04
Pool, Hot Tub and Spa - Service Technician	RAFP---RAKOS---Abrasions, scratches	0.04
Pool, Hot Tub and Spa - Service Technician	RAFP---RAKOS---Cellulitis, abscess, paronychia	0.04
Pool, Hot Tub and Spa - Service Technician	RAFP---RAOBH---Cuts, lacerations	0.04
Pool, Hot Tub and Spa - Service Technician	RAFP---RAOBH---Friction burns	0.04
Pool, Hot Tub and Spa - Service Technician	Self-inflicted injury	0.04
Pool, Hot Tub and Spa - Service Technician	Transportation accident, UNS	0.04
Pool, Hot Tub and Spa - Service Technician	Assaults and violent acts, UNS	0.06
Pool, Hot Tub and Spa - Service Technician	Assaults by animals	0.16
Pool, Hot Tub and Spa - Service Technician	BR---BCCRT---Dislocations	0.16
Pool, Hot Tub and Spa - Service Technician	BR---BCCRT---Fractures	0.16
Pool, Hot Tub and Spa - Service Technician	BR---BR, N.E.C.---Bruises, contusions	0.32
Pool, Hot Tub and Spa - Service Technician	BR---STTS UNSPEC.	0.16
Pool, Hot Tub and Spa - Service Technician	BR---STTS, N.E.C.	1.26
Pool, Hot Tub and Spa - Service Technician	BR---Slipping on something-without fall	1.11
Pool, Hot Tub and Spa - Service Technician	BR---Stepping in hole or on object-without fall	0.16
Pool, Hot Tub and Spa - Service Technician	BR---Tripping over something-without fall	0.16
Pool, Hot Tub and Spa - Service Technician	Contact with electric current	0.16
Pool, Hot Tub and Spa - Service Technician	Contact with temperature extremes	0.63
Pool, Hot Tub and Spa - Service Technician	Exposure to caustic, noxious, or allergenic substances	4.27
Pool, Hot Tub and Spa - Service Technician	Fall to lower level	1.42
Pool, Hot Tub and Spa - Service Technician	Overexertion	0.47
Pool, Hot Tub and Spa - Service Technician	Pedestrian struck by vehicle, mobile equipment	0.32
Pool, Hot Tub and Spa - Service Technician	RAFP---RAFME	0.16
Pool, Hot Tub and Spa - Service Technician	Self-inflicted injury	0.32
Special Events Coordinator	BR---Tripping over something-without fall	1.27
Special Events Coordinator	Caught in or compressed by equip./objects	1.27
Special Events Coordinator	Contact with temperature extremes	1.27
Special Events Coordinator	Exposure to caustic, noxious, or allergenic substances	2.53
Special Events Coordinator	Highway accident	3.8
Special Events Coordinator	Nonhighway accident, except rail, air, water	2.53
Special Events Coordinator	Pedestrian struck by vehicle, mobile equipment	1.27
Special Events Coordinator	Assaults, violent acts and harassment, N.E.C.	0.03
Special Events Coordinator	Assaults by animals	0.55
Special Events Coordinator	BR---BCCRT---Bruises, contusions	0.14
Special Events Coordinator	BR---BCCRT---Dislocations	0.14
Special Events Coordinator	BR---STTS UNSPEC.	0.41
Special Events Coordinator	BR---STTS, N.E.C.	1.8
Special Events Coordinator	BR---Slipping on something-without fall	0.97
Special Events Coordinator	BR---Stepping in hole or on object-without fall	1.11
Special Events Coordinator	BR---Tripping over something-without fall	0.14
Special Events Coordinator	Caught in or compressed by equip./objects	4.01
Special Events Coordinator	Caught in/crushed in collapsing materials	0.28



Special Events Coordinator	Contact with electric current	0.14
Special Events Coordinator	COE, N.E.C.---COE, N.E.C.---Fractures	0.14
Special Events Coordinator	Contact with temperature extremes	0.83
Special Events Coordinator	Exposure to caustic, noxious, or allergenic substances	4.43
Special Events Coordinator	Exposure to harmful substances or environments, UNS	0.14
Special Events Coordinator	Exposure to harmful substances or environments, N.E.C.	0.14
Special Events Coordinator	Exposure to radiation	0.28
Special Events Coordinator	Exposure to traumatic or stressful event, N.E.C.	0.14
Special Events Coordinator	Fall, N.E.C.	0.14
Special Events Coordinator	Highway accident	1.38
Special Events Coordinator	Jump to lower level	1.11
Special Events Coordinator	Nonhighway accident, except rail, air, water	1.66
Special Events Coordinator	Overexertion	0.28
Special Events Coordinator	Pedestrian struck by vehicle, mobile equipment	1.11
Special Events Coordinator	RAFP---RAFME	2.35
Special Events Coordinator	RAFP---RAFP, N.E.C.---Second-degree heat burns, scalds	0.14

Table B.2. Average cost of claims for each injury type in the *Other* category

Trade	Injury type	Average cost of claim (\$)
Aboriginal Child Development Practitioner	Assaults by animals	775
Aboriginal Child Development Practitioner	Bodily conditions, N.E.C.	2373
Aboriginal Child Development Practitioner	BR---BCCRT---Fractures	1904
Aboriginal Child Development Practitioner	BR---BR, N.E.C.---Cuts, lacerations	74
Aboriginal Child Development Practitioner	BR---BR, N.E.C.---Fractures	4535
Aboriginal Child Development Practitioner	BR---Running--without other incident---Bruises, contusions	1116
Aboriginal Child Development Practitioner	BR---STTS UNSPEC.	2080
Aboriginal Child Development Practitioner	BR---STTS, N.E.C.	2014
Aboriginal Child Development Practitioner	BR---Slipping on something-without fall	3126
Aboriginal Child Development Practitioner	BR---Stepping in hole or on object-without fall	2185
Aboriginal Child Development Practitioner	BR---Tripping over something-without fall	2225
Aboriginal Child Development Practitioner	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	2209
Aboriginal Child Development Practitioner	Caught in or compressed by equip./objects	819
Aboriginal Child Development Practitioner	COE, UNS	190
Aboriginal Child Development Practitioner	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	167
Aboriginal Child Development Practitioner	Contact with temperature extremes	2959
Aboriginal Child Development Practitioner	Exposure to caustic, noxious, or allergenic substances	438
Aboriginal Child Development Practitioner	Exposure to harmful substances or environments, UNS	308
Aboriginal Child Development Practitioner	Exposure to harmful substances or environments, N.E.C.	253
Aboriginal Child Development Practitioner	Exposure to traumatic or stressful event, N.E.C.	6298
Aboriginal Child Development Practitioner	Fall on same level	5656
Aboriginal Child Development Practitioner	Fall, N.E.C.	4587
Aboriginal Child Development Practitioner	Highway accident	1550
Aboriginal Child Development Practitioner	Jump to lower level	323
Aboriginal Child Development Practitioner	Musculoskeletal disorders (MSD)	2827
Aboriginal Child Development Practitioner	Other events or exposures	774
Aboriginal Child Development Practitioner	Overexertion	429
Aboriginal Child Development Practitioner	Pedestrian struck by vehicle, mobile equipment	6472
Aboriginal Child Development Practitioner	Repetitive motion	2644
Aboriginal Child Development Practitioner	RAFP---RAFME	227
Aboriginal Child Development Practitioner	Struck against object	6032
Aboriginal Child Development Practitioner	Struck by object	3642
Aboriginal Child Development Practitioner	Assaults and violent acts by person(s)	4389
Aboriginal Child Development Practitioner	Assaults, violent acts and harassment, N.E.C.	1993
Agricultural - Dairy Herdsperson	BR---Stepping in hole or on object-without fall	788
Agricultural - Dairy Herdsperson	Caught in or compressed by equip./objects	5395
Agricultural - Dairy Herdsperson	Exposure to caustic, noxious, or allergenic substances	909
Agricultural - Dairy Herdsperson	Fall on same level	4505
Agricultural - Dairy Herdsperson	Fire--uninteded or uncontrolled	4832
Agricultural - Dairy Herdsperson	Struck by object	3531
Agricultural - Fruit Grower	BR---Slipping on something-without fall	1900
Agricultural - Fruit Grower	Caught in/crushed in collapsing materials	130
Agricultural - Fruit Grower	Contact with temperature extremes	1340
Agricultural - Fruit Grower	Exposure to caustic, noxious, or allergenic substances	10385
Agricultural - Fruit Grower	Fall on same level	22682
Agricultural - Fruit Grower	Fall to lower level	20788
Agricultural - Fruit Grower	Highway accident	717
Agricultural - Fruit Grower	Jump to lower level	1070
Agricultural - Fruit Grower	Musculoskeletal disorders (MSD)	29199
Agricultural - Fruit Grower	Nonhighway accident, except rail, air, water	255
Agricultural - Fruit Grower	Overexertion	6319
Agricultural - Fruit Grower	RAFP---RAFME	2082
Agricultural - Fruit Grower	Struck by object	21747
Agricultural - Swine Herdsperson	BR---Stepping in hole or on object-without fall	788
Agricultural - Swine Herdsperson	Caught in or compressed by equip./objects	5395
Agricultural - Swine Herdsperson	Exposure to caustic, noxious, or allergenic substances	909
Agricultural - Swine Herdsperson	Fall on same level	4505

Agricultural - Swine Herdperson	Fire--uninteded or uncontrolled	4832
Agricultural - Swine Herdperson	Struck by object	3531
Appliance Service Technician	BR---BCCRT---Fractures	3563
Appliance Service Technician	BR---BR, N.E.C.---Dislocations	20936
Appliance Service Technician	BR---BR, N.E.C.---Fractures	821
Appliance Service Technician	BR---STTS UNSPEC.	3688
Appliance Service Technician	BR---STTS, N.E.C.	1544
Appliance Service Technician	BR---Slipping on something-without fall	248
Appliance Service Technician	BR---Stepping in hole or on object-without fall	1895
Appliance Service Technician	Caught in or compressed by equip./objects	12153
Appliance Service Technician	COE, UNS	292
Appliance Service Technician	Contact with temperature extremes	2210
Appliance Service Technician	Exposure to caustic, noxious, or allergenic substances	883
Appliance Service Technician	Highway accident	3017
Appliance Service Technician	Musculoskeletal disorders (MSD)	12477
Appliance Service Technician	Nonhighway accident, except rail, air, water	4232
Appliance Service Technician	Overexertion	7365
Appliance Service Technician	RAFP---RAFME	448
Appliance Service Technician	RAFP---RAKOS---Cellulitis, abscess, paronychia	1256
Appliance Service Technician	Self-inflicted injury	236
Appliance Service Technician	Struck against object	19978
Appliance Service Technician	Struck by object	3014
Arborist	Assaults by animals	374
Arborist	BR---BCCRT---Bruises, contusions	893
Arborist	BR---BCCRT---Dislocations	4884
Arborist	BR---STTS UNSPEC.	1734
Arborist	BR---STTS, N.E.C.	1703
Arborist	BR---Slipping on something-without fall	2164
Arborist	BR---Stepping in hole or on object-without fall	8578
Arborist	Caught in/crushed in collapsing materials	3050
Arborist	COE, N.E.C.---COE, N.E.C.---Fractures	1997
Arborist	Contact with temperature extremes	329
Arborist	Exposure to caustic, noxious, or allergenic substances	436
Arborist	Exposure to harmful substances or environments, UNS	155
Arborist	Exposure to harmful substances or environments, N.E.C.	4049
Arborist	Exposure to radiation	252
Arborist	Exposure to traumatic or stressful event, N.E.C.	8312
Arborist	Fall on same level	10297
Arborist	Fall, N.E.C.	5236
Arborist	Jump to lower level	15863
Arborist	Musculoskeletal disorders (MSD)	6035
Arborist	Nonhighway accident, except rail, air, water	7110
Arborist	Overexertion	395
Arborist	Pedestrian struck by vehicle, mobile equipment	7586
Arborist	RAFP---RAFME	376
Arborist	RAFP---RAFP, N.E.C.---Second-degree heat burns, scalds	937
Arborist	Struck against object	5601
Arborist	Struck by object	5102
Assistant Cook	Assaults by animals	5723
Assistant Cook	Bodily conditions, N.E.C.	8017
Assistant Cook	BR---BCCRT---Bruises, contusions	665
Assistant Cook	BR---BCCRT---Cuts, lacerations	180
Assistant Cook	BR---BCCRT---Dislocations	3903
Assistant Cook	BR---BCCRT---Fractures	5695
Assistant Cook	BR---BR, N.E.C.---Bruises, contusions	591
Assistant Cook	BR---BR, N.E.C.---Fractures	2115
Assistant Cook	BR---STTS, N.E.C.	8692
Assistant Cook	BR---Slipping on something-without fall	4390
Assistant Cook	BR---Stepping in hole or on object-without fall	1730
Assistant Cook	BR---Sudden reaction when surprised, startled	789
Assistant Cook	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	121
Assistant Cook	BRE, N.E.C.---BRE, N.E.C.---Dislocations	489
Assistant Cook	BRE, N.E.C.---BRE, N.E.C.---Fractures	816

Assistant Cook	Caught in or compressed by equip./objects	5670
Assistant Cook	Contact with electric current	1053
Assistant Cook	COE, UNS	240
Assistant Cook	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	1497
Assistant Cook	COE, N.E.C.---COE, N.E.C.---Fractures	1497
Assistant Cook	COE, N.E.C.---COE, N.E.C.---Heat burns, scalds, N.E.C.	0
Assistant Cook	Contact with temperature extremes	1544
Assistant Cook	Explosion	1076
Assistant Cook	Exposure to caustic, noxious, or allergenic substances	1330
Assistant Cook	Exposure to harmful substances or environments, UNS	645
Assistant Cook	Exposure to harmful substances or environments, N.E.C.	330
Assistant Cook	Fall on same level	8908
Assistant Cook	Fall, UNS	909
Assistant Cook	Fire or explosion, UNS	9044
Assistant Cook	Fire--uninteded or uncontrolled	2026
Assistant Cook	Jump to lower level	1620
Assistant Cook	Musculoskeletal disorders (MSD)	6626
Assistant Cook	Nonhighway accident, except rail, air, water	6580
Assistant Cook	Overexertion	1737
Assistant Cook	Pedestrian struck by vehicle, mobile equipment	1981
Assistant Cook	RAFP---RAFME	313
Assistant Cook	RAFP---RAFP, N.E.C.---Cuts, lacerations	180
Assistant Cook	RAFP---RAKOS---Chemical burns, N.E.C.	81
Assistant Cook	RAFP---RAOBH---Abrasions, scratches	257
Assistant Cook	RAFP---RAOBH---Amputations, fingertip	280
Assistant Cook	RAFP---RAOBH---Cuts, lacerations	6248
Assistant Cook	Self-inflicted injury	382
Assistant Cook	Struck against object	1760
Assistant Cook	Struck by object	1552
Assistant Cook	Unknown	92
Assistant Cook	Water vehicle accident	3040
Assistant Cook	Assaults and violent acts by person(s)	7376
Baker	BR---BCCRT---Dislocations	2982
Baker	BR---BCCRT---Fractures	1866
Baker	BR---BR, N.E.C.---Bruises, contusions	2228
Baker	BR---BR, N.E.C.---Other inflammatory conditions of the skin, UNS	3971
Baker	BR---BR, UNS---Fractures	332
Baker	BR---STTS UNSPEC.	449
Baker	BR---STTS, N.E.C.	2671
Baker	BR---Slipping on something-without fall	1178
Baker	BR---Stepping in hole or on object-without fall	224
Baker	BR---Sudden reaction when surprised, ..., startled	2288
Baker	BR---Tripping over something-without fall	1104
Baker	BRE, N.E.C.---BRE, N.E.C.---Dislocations	2275
Baker	Caught in/crushed in collapsing materials	474
Baker	Contact with electric current	2418
Baker	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	685
Baker	Contact with temperature extremes	1090
Baker	Exposure to caustic, noxious, or allergenic substances	3731
Baker	Fall, N.E.C.	6327
Baker	Jump to lower level	2263
Baker	Overexertion	1140
Baker	RAFP---RAFME	139
Baker	Struck against object	1767
Baker	Struck by object	3377
Baker	Assaults and violent acts by person(s)	6414
Baker-Patissier	BR---BCCRT---Dislocations	2982
Baker-Patissier	BR---BCCRT---Fractures	1866
Baker-Patissier	BR---BR, N.E.C.---Bruises, contusions	2228
Baker-Patissier	BR---BR, N.E.C.---Other inflammatory conditions of the skin, UNS	3971
Baker-Patissier	BR---BR, UNS---Fractures	332
Baker-Patissier	BR---STTS UNSPEC.	449
Baker-Patissier	BR---STTS, N.E.C.	2671

Baker-Patissier	BR---Slipping on something-without fall	1178
Baker-Patissier	BR---Stepping in hole or on object-without fall	224
Baker-Patissier	BR---Sudden reaction when surprised, ..., startled	2288
Baker-Patissier	BR---Tripping over something-without fall	1104
Baker-Patissier	BRE, N.E.C.---BRE, N.E.C.---Dislocations	2275
Baker-Patissier	Caught in/crushed in collapsing materials	474
Baker-Patissier	Contact with electric current	2418
Baker-Patissier	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	685
Baker-Patissier	Contact with temperature extremes	1090
Baker-Patissier	Exposure to caustic, noxious, or allergenic substances	3731
Baker-Patissier	Fall, N.E.C.	6327
Baker-Patissier	Jump to lower level	2263
Baker-Patissier	Overexertion	1140
Baker-Patissier	RAFP---RAFME	139
Baker-Patissier	Struck against object	1767
Baker-Patissier	Struck by object	3377
Baker-Patissier	Assaults and violent acts by person(s)	6414
Bicycle Mechanic	Assaults by animals	472
Bicycle Mechanic	Bodily conditions, N.E.C.	377
Bicycle Mechanic	BR---BCCRT---Bruises, contusions	651
Bicycle Mechanic	BR---BCCRT---FB	282
Bicycle Mechanic	BR---BR, N.E.C.---Bruises, contusions	7639
Bicycle Mechanic	BR---BR, N.E.C.---Cuts, lacerations	190
Bicycle Mechanic	BR---STTS UNSPEC.	583
Bicycle Mechanic	BR---STTS, N.E.C.	1681
Bicycle Mechanic	BR---Stepping in hole or on object-without fall	3342
Bicycle Mechanic	BR---Sudden reaction when surprised, ..., startled	767
Bicycle Mechanic	BR---Tripping over something-without fall	8129
Bicycle Mechanic	BRE, N.E.C.---BRE, N.E.C.---TIN, unspec	7064
Bicycle Mechanic	Caught in or compressed by equip./objects	4339
Bicycle Mechanic	Contact with electric current	2278
Bicycle Mechanic	COE, N.E.C.---COE, N.E.C.---Fractures	3143
Bicycle Mechanic	Contact with temperature extremes	1166
Bicycle Mechanic	Explosion	9695
Bicycle Mechanic	Exposure to caustic, noxious, or allergenic substances	18254
Bicycle Mechanic	Exposure to noise	11040
Bicycle Mechanic	Fall on same level	9922
Bicycle Mechanic	Fall to lower level	19608
Bicycle Mechanic	Fall, N.E.C.	519
Bicycle Mechanic	Highway accident	8048
Bicycle Mechanic	Jump to lower level	13546
Bicycle Mechanic	Musculoskeletal disorders (MSD)	9113
Bicycle Mechanic	Nonhighway accident, except rail, air, water	3073
Bicycle Mechanic	Other events or exposures	633
Bicycle Mechanic	RAFP---RAFME	518
Bicycle Mechanic	Struck against object	3102
Bicycle Mechanic	Struck by object	9927
Bicycle Mechanic	Transportation accident, UNS	1294
Chef	BR---BCCRT---Fractures	1692
Chef	BR---Slipping on something-without fall	7360
Chef	BR---Tripping over something-without fall	4977
Chef	Contact with electric current	264
Chef	COE, UNS	168
Chef	COE, N.E.C.---COE, N.E.C.---Amputations, fingertip	779
Chef	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	402
Chef	COE, N.E.C.---COE, N.E.C.---Fractures	7134
Chef	Contact with temperature extremes	916
Chef	Explosion	78
Chef	Exposure to caustic, noxious, or allergenic substances	5353
Chef	Fire--uninteded or uncontrolled	1010
Chef	Musculoskeletal disorders (MSD)	7822
Chef	Overexertion	1500
Chef	RAFP---RAFME	136



Chef	Struck against object	5208
Chef	Struck by object	2647
Chef	Unknown	227
Chef	Assaults and violent acts by person(s)	869
Child and Youth Worker	Assaults and violent acts by person(s)	13644
Child and Youth Worker	Assaults by animals	3597
Child and Youth Worker	BR---BCCRT---Bruises, contusions	146
Child and Youth Worker	BR---BCCRT---Dislocations	2729
Child and Youth Worker	BR---BCCRT---Fractures	2099
Child and Youth Worker	BR---BR, N.E.C---Blisters	211
Child and Youth Worker	BR---BR, N.E.C---Bruises, contusions	7786
Child and Youth Worker	BR---BR, N.E.C---Fractures	6397
Child and Youth Worker	BR---BR, N.E.C---Uns tachycardia (rapid heart beat)	214
Child and Youth Worker	BR---STTS UNSPEC.	7714
Child and Youth Worker	BR---STTS, N.E.C.	1846
Child and Youth Worker	BR---Slipping on something-without fall	7085
Child and Youth Worker	BR---Stepping in hole or on object-without fall	1726
Child and Youth Worker	BR---Tripping over something-without fall	4206
Child and Youth Worker	BRE, N.E.C---BRE, N.E.C---Bruises, contusions	2451
Child and Youth Worker	BRE, N.E.C---BRE, N.E.C---Concussions	896
Child and Youth Worker	BRE, N.E.C---BRE, N.E.C---Dislocations	12932
Child and Youth Worker	BRE, N.E.C---BRE, N.E.C---Fractures	976
Child and Youth Worker	Caught in or compressed by equip./objects	2948
Child and Youth Worker	Contact with electric current	239
Child and Youth Worker	COE, UNS	589
Child and Youth Worker	COE, N.E.C---COE, N.E.C---Bruises, contusions	236
Child and Youth Worker	COE, N.E.C---COE, N.E.C---Cuts, lacerations	330
Child and Youth Worker	Contact with temperature extremes	584
Child and Youth Worker	Explosion	1514
Child and Youth Worker	Exposure to caustic, noxious, or allergenic substances	3872
Child and Youth Worker	Exposure to harmful substances or environments, UNS	661
Child and Youth Worker	Exposure to radiation	611
Child and Youth Worker	Fall on same level	7489
Child and Youth Worker	Fall to lower level	7110
Child and Youth Worker	Fall, N.E.C.	3858
Child and Youth Worker	Fall, UNS	287
Child and Youth Worker	Highway accident	11219
Child and Youth Worker	Jump to lower level	1075
Child and Youth Worker	Musculoskeletal disorders (MSD)	6558
Child and Youth Worker	Nonhighway accident, except rail, air, water	16169
Child and Youth Worker	Other events or exposures	80
Child and Youth Worker	Overexertion	1205
Child and Youth Worker	Pedestrian struck by vehicle, mobile equipment	2055
Child and Youth Worker	RAFP---RAFME	268
Child and Youth Worker	Struck against object	7483
Child and Youth Worker	Struck by object	2504
Child and Youth Worker	Unknown	196
Child Development Practitioner	Assaults and violent acts by person(s)	4389
Child Development Practitioner	Assaults by animals	775
Child Development Practitioner	Bodily conditions, N.E.C.	2373
Child Development Practitioner	BR---BCCRT---Fractures	1904
Child Development Practitioner	BR---BR, N.E.C---Cuts, lacerations	74
Child Development Practitioner	BR---BR, N.E.C---Fractures	4535
Child Development Practitioner	BR---Running--without other incident---Bruises, contusions	1116
Child Development Practitioner	BR---STTS UNSPEC.	2080
Child Development Practitioner	BR---STTS, N.E.C.	2014
Child Development Practitioner	BR---Slipping on something-without fall	3126
Child Development Practitioner	BR---Stepping in hole or on object-without fall	2185
Child Development Practitioner	BR---Tripping over something-without fall	2225
Child Development Practitioner	BRE, N.E.C---BRE, N.E.C---Bruises, contusions	2209
Child Development Practitioner	Caught in or compressed by equip./objects	819
Child Development Practitioner	COE, UNS	190
Child Development Practitioner	COE, N.E.C---COE, N.E.C---Cuts, lacerations	167



Child Development Practitioner	Contact with temperature extremes	2959
Child Development Practitioner	Exposure to caustic, noxious, or allergenic substances	438
Child Development Practitioner	Exposure to harmful substances or environments, UNS	308
Child Development Practitioner	Exposure to harmful substances or environments, N.E.C.	253
Child Development Practitioner	Exposure to traumatic or stressful event, N.E.C.	6298
Child Development Practitioner	Fall on same level	5656
Child Development Practitioner	Fall, N.E.C.	4587
Child Development Practitioner	Highway accident	1550
Child Development Practitioner	Jump to lower level	323
Child Development Practitioner	Musculoskeletal disorders (MSD)	2827
Child Development Practitioner	Other events or exposures	774
Child Development Practitioner	Overexertion	429
Child Development Practitioner	Pedestrian struck by vehicle, mobile equipment	6472
Child Development Practitioner	Repetitive motion	2644
Child Development Practitioner	RAFP---RAFME	227
Child Development Practitioner	Struck against object	6032
Child Development Practitioner	Struck by object	3642
Child Development Practitioner	Assaults, violent acts and harassment, N.E.C.	1993
Child Development Practitioner - Inclusion Practices	Assaults and violent acts by person(s)	4389
Child Development Practitioner - Inclusion Practices	Assaults by animals	775
Child Development Practitioner - Inclusion Practices	Bodily conditions, N.E.C.	2373
Child Development Practitioner - Inclusion Practices	BR---BCCRT---Fractures	1904
Child Development Practitioner - Inclusion Practices	BR---BR, N.E.C.---Cuts, lacerations	74
Child Development Practitioner - Inclusion Practices	BR---BR, N.E.C.---Fractures	4535
Child Development Practitioner - Inclusion Practices	BR---Running--without other incident---Bruises, contusions	1116
Child Development Practitioner - Inclusion Practices	BR---STTS UNSPEC.	2080
Child Development Practitioner - Inclusion Practices	BR---STTS, N.E.C.	2014
Child Development Practitioner - Inclusion Practices	BR---Slipping on something-without fall	3126
Child Development Practitioner - Inclusion Practices	BR---Stepping in hole or on object-without fall	2185
Child Development Practitioner - Inclusion Practices	BR---Tripping over something-without fall	2225
Child Development Practitioner - Inclusion Practices	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	2209
Child Development Practitioner - Inclusion Practices	Caught in or compressed by equip./objects	819
Child Development Practitioner - Inclusion Practices	COE, UNS	190
Child Development Practitioner - Inclusion Practices	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	167
Child Development Practitioner - Inclusion Practices	Contact with temperature extremes	2959
Child Development Practitioner - Inclusion Practices	Exposure to caustic, noxious, or allergenic substances	438
Child Development Practitioner - Inclusion Practices	Exposure to harmful substances or environments, UNS	308
Child Development Practitioner - Inclusion Practices	Exposure to harmful substances or environments, N.E.C.	253
Child Development Practitioner - Inclusion Practices	Exposure to traumatic or stressful event, N.E.C.	6298
Child Development Practitioner - Inclusion Practices	Fall on same level	5656
Child Development Practitioner - Inclusion Practices	Fall, N.E.C.	4587
Child Development Practitioner - Inclusion Practices	Highway accident	1550
Child Development Practitioner - Inclusion Practices	Jump to lower level	323
Child Development Practitioner - Inclusion Practices	Musculoskeletal disorders (MSD)	2827
Child Development Practitioner - Inclusion Practices	Other events or exposures	774
Child Development Practitioner - Inclusion Practices	Overexertion	429
Child Development Practitioner - Inclusion Practices	Pedestrian struck by vehicle, mobile equipment	6472
Child Development Practitioner - Inclusion Practices	Repetitive motion	2644
Child Development Practitioner - Inclusion Practices	RAFP---RAFME	227
Child Development Practitioner - Inclusion Practices	Struck against object	6032
Child Development Practitioner - Inclusion Practices	Struck by object	3642
Child Development Practitioner - Inclusion Practices	Assaults, violent acts and harassment, N.E.C.	1993
Cook	Assaults and violent acts by person(s)	7376
Cook	Assaults by animals	5723
Cook	Bodily conditions, N.E.C.	8017
Cook	BR---BCCRT---Bruises, contusions	665
Cook	BR---BCCRT---Cuts, lacerations	180
Cook	BR---BCCRT---Dislocations	3903
Cook	BR---BCCRT---Fractures	5695
Cook	BR---BR, N.E.C.---Bruises, contusions	591
Cook	BR---BR, N.E.C.---Fractures	2115
Cook	BR---STTS, N.E.C.	8692
Cook	BR---Slipping on something-without fall	4390



Cook	BR---Stepping in hole or on object-without fall	1730
Cook	BR---Sudden reaction when surprised, ..., startled	789
Cook	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	121
Cook	BRE, N.E.C.---BRE, N.E.C.---Dislocations	489
Cook	BRE, N.E.C.---BRE, N.E.C.---Fractures	816
Cook	Caught in or compressed by equip./objects	5670
Cook	Contact with electric current	1053
Cook	COE, UNS	240
Cook	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	1497
Cook	COE, N.E.C.---COE, N.E.C.---Fractures	1497
Cook	COE, N.E.C.---COE, N.E.C.---Heat burns, scalds, N.E.C.	0
Cook	Contact with temperature extremes	1544
Cook	Explosion	1076
Cook	Exposure to caustic, noxious, or allergenic substances	1330
Cook	Exposure to harmful substances or environments, UNS	645
Cook	Exposure to harmful substances or environments, N.E.C.	330
Cook	Fall on same level	8908
Cook	Fall, UNS	909
Cook	Fire or explosion, UNS	9044
Cook	Fire--uninteded or uncontrolled	2026
Cook	Jump to lower level	1620
Cook	Musculoskeletal disorders (MSD)	6626
Cook	Nonhighway accident, except rail, air, water	6580
Cook	Overexertion	1737
Cook	Pedestrian struck by vehicle, mobile equipment	1981
Cook	RAFP---RAFME	313
Cook	RAFP---RAFP, N.E.C.---Cuts, lacerations	180
Cook	RAFP---RAKOS---Chemical burns, N.E.C.	81
Cook	RAFP---RAOBH---Abrasions, scratches	257
Cook	RAFP---RAOBH---Amputations, fingertip	280
Cook	RAFP---RAOBH---Cuts, lacerations	6248
Cook	Self-inflicted injury	382
Cook	Struck against object	1760
Cook	Struck by object	1552
Cook	Unknown	92
Cook	Water vehicle accident	3040
Developmental Services Worker	Assaults and violent acts by person(s)	13644
Developmental Services Worker	Assaults by animals	3597
Developmental Services Worker	BR---BCCRT---Bruises, contusions	146
Developmental Services Worker	BR---BCCRT---Dislocations	2729
Developmental Services Worker	BR---BCCRT---Fractures	2099
Developmental Services Worker	BR---BR, N.E.C.---Blisters	211
Developmental Services Worker	BR---BR, N.E.C.---Bruises, contusions	7786
Developmental Services Worker	BR---BR, N.E.C.---Fractures	6397
Developmental Services Worker	BR---BR, N.E.C.---Uns tachycardia (rapid heart beat)	214
Developmental Services Worker	BR---STTS UNSPEC.	7714
Developmental Services Worker	BR---STTS, N.E.C.	1846
Developmental Services Worker	BR---Slipping on something-without fall	7085
Developmental Services Worker	BR---Stepping in hole or on object-without fall	1726
Developmental Services Worker	BR---Tripping over something-without fall	4206
Developmental Services Worker	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	2451
Developmental Services Worker	BRE, N.E.C.---BRE, N.E.C.---Concussions	896
Developmental Services Worker	BRE, N.E.C.---BRE, N.E.C.---Dislocations	12932
Developmental Services Worker	BRE, N.E.C.---BRE, N.E.C.---Fractures	976
Developmental Services Worker	Caught in or compressed by equip./objects	2948
Developmental Services Worker	Contact with electric current	239
Developmental Services Worker	COE, UNS	589
Developmental Services Worker	COE, N.E.C.---COE, N.E.C.---Bruises, contusions	236
Developmental Services Worker	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	330
Developmental Services Worker	Contact with temperature extremes	584
Developmental Services Worker	Explosion	1514
Developmental Services Worker	Exposure to caustic, noxious, or allergenic substances	3872
Developmental Services Worker	Exposure to harmful substances or environments, UNS	661

Developmental Services Worker	Exposure to radiation	611
Developmental Services Worker	Fall on same level	7489
Developmental Services Worker	Fall to lower level	7110
Developmental Services Worker	Fall, N.E.C.	3858
Developmental Services Worker	Fall, UNS	287
Developmental Services Worker	Highway accident	11219
Developmental Services Worker	Jump to lower level	1075
Developmental Services Worker	Musculoskeletal disorders (MSD)	6558
Developmental Services Worker	Nonhighway accident, except rail, air, water	16169
Developmental Services Worker	Other events or exposures	80
Developmental Services Worker	Overexertion	1205
Developmental Services Worker	Pedestrian struck by vehicle, mobile equipment	2055
Developmental Services Worker	RAFP---RAFME	268
Developmental Services Worker	Struck against object	7483
Developmental Services Worker	Struck by object	2504
Developmental Services Worker	Unknown	196
Educational Assistant	Assaults and violent acts by person(s)	6622
Educational Assistant	Assaults by animals	5297
Educational Assistant	Assaults, violent acts and harassment, N.E.C.	10026
Educational Assistant	BR & exertion, UNS---BR & exertion, UNS---Dislocations	4408
Educational Assistant	BR---BCCRT---Bruises, contusions	17194
Educational Assistant	BR---BCCRT---Dislocations	713
Educational Assistant	BR---BCCRT---Fractures	11116
Educational Assistant	BR---BR, N.E.C.---Bruises, contusions	273
Educational Assistant	BR---BR, N.E.C.---Dislocations	738
Educational Assistant	BR---BR, N.E.C.---Fractures	7456
Educational Assistant	BR---BR, UNS---Bruises, contusions	960
Educational Assistant	BR---Running--without other incident---Fractures	1765
Educational Assistant	BR---STTS UNSPEC.	3093
Educational Assistant	BR---STTS, N.E.C.	3331
Educational Assistant	BR---Slipping on something-without fall	4216
Educational Assistant	BR---Stepping in hole or on object-without fall	5232
Educational Assistant	BR---Sudden reaction when surprised, ..., startled	1772
Educational Assistant	BR---Tripping over something-without fall	2974
Educational Assistant	BR---Walking--without other incident---Fractures	3283
Educational Assistant	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	128
Educational Assistant	BRE, N.E.C.---BRE, N.E.C.---Dislocations	3792
Educational Assistant	Caught in or compressed by equip./objects	2739
Educational Assistant	Caught in/crushed in collapsing materials	1477
Educational Assistant	Contact with electric current	6389
Educational Assistant	COE, UNS	84
Educational Assistant	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	114
Educational Assistant	Contact with temperature extremes	717
Educational Assistant	Exposure to caustic, noxious, or allergenic substances	1093
Educational Assistant	Exposure to harmful substances or environments, UNS	4930
Educational Assistant	Exposure to noise	215
Educational Assistant	Exposure to radiation	305
Educational Assistant	Fall on same level	7607
Educational Assistant	Fall to lower level	11259
Educational Assistant	Highway accident	14965
Educational Assistant	Jump to lower level	13833
Educational Assistant	Musculoskeletal disorders (MSD)	4332
Educational Assistant	Nonhighway accident, except rail, air, water	17604
Educational Assistant	Other events or exposures	1619
Educational Assistant	Overexertion	865
Educational Assistant	Pedestrian struck by vehicle, mobile equipment	2208
Educational Assistant	RAFP---RAFME	722
Educational Assistant	RAJV---Rubbed, ..., or jarred by other machine or equip.---Dizziness	126
Educational Assistant	Struck against object	6306
Educational Assistant	Struck by object	5700
Educational Assistant	Unknown	1687
Educational Assistant	Assaults and violent acts, UNS	15618
Electronic Service Technician	Assaults by animals	7723



Electronic Service Technician	BR---BCCRT---Bruises, contusions	2569
Electronic Service Technician	BR---BCCRT---Cuts, lacerations	238
Electronic Service Technician	BR---BCCRT---Dislocations	2834
Electronic Service Technician	BR---BCCRT---Fractures	1226
Electronic Service Technician	BR---BR, N.E.C.---Dislocations	1741
Electronic Service Technician	BR---STTS UNSPEC.	8202
Electronic Service Technician	BR---STTS, N.E.C.	2131
Electronic Service Technician	BR---Stepping in hole or on object-without fall	3686
Electronic Service Technician	BR---Tripping over something-without fall	880
Electronic Service Technician	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	656
Electronic Service Technician	BRE, N.E.C.---BRE, N.E.C.---Fractures	3396
Electronic Service Technician	Contact with electric current	241
Electronic Service Technician	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	1860
Electronic Service Technician	Contact with temperature extremes	277
Electronic Service Technician	Exposure to caustic, noxious, or allergenic substances	3870
Electronic Service Technician	Exposure to harmful substances or environments, N.E.C.	178
Electronic Service Technician	Exposure to traumatic or stressful event, N.E.C.	1405
Electronic Service Technician	Fall on same level	9333
Electronic Service Technician	Fall to lower level	10508
Electronic Service Technician	Fire--uninteded or uncontrolled	85
Electronic Service Technician	Jump to lower level	5639
Electronic Service Technician	Musculoskeletal disorders (MSD)	9967
Electronic Service Technician	Nonhighway accident, except rail, air, water	7239
Electronic Service Technician	Pedestrian struck by vehicle, mobile equipment	4731
Electronic Service Technician	RAFP---RAFME	889
Electronic Service Technician	Self-inflicted injury	179
Electronic Service Technician	Struck by object	8546
Gemsetter/Goldsmith	Exposure to caustic, noxious, or allergenic substances	194
Gemsetter/Goldsmith	Struck by object	183
Hairstylist	Assaults by animals	479
Hairstylist	BR---BCCRT---Bruises, contusions	154
Hairstylist	BR---Slipping on something-without fall	2366
Hairstylist	COE, N.E.C.---COE, N.E.C.---Abrasions, scratches	256
Hairstylist	Contact with temperature extremes	358
Hairstylist	Exposure to caustic, noxious, or allergenic substances	69
Hairstylist	Struck against object	221
Hardware, Lumber and Building Materials Retailer	Assaults by animals	2581
Hardware, Lumber and Building Materials Retailer	BR---BCCRT---Dislocations	302
Hardware, Lumber and Building Materials Retailer	BR---BCCRT---Fractures	10663
Hardware, Lumber and Building Materials Retailer	BR---STTS UNSPEC.	1665
Hardware, Lumber and Building Materials Retailer	BR---STTS, N.E.C.	2593
Hardware, Lumber and Building Materials Retailer	BR---Slipping on something-without fall	4690
Hardware, Lumber and Building Materials Retailer	BR---Stepping in hole or on object-without fall	7614
Hardware, Lumber and Building Materials Retailer	BR---Tripping over something-without fall	11517
Hardware, Lumber and Building Materials Retailer	BR---Walking--without other incident---Fractures	437
Hardware, Lumber and Building Materials Retailer	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	120
Hardware, Lumber and Building Materials Retailer	BRE, N.E.C.---BRE, N.E.C.---Dislocations	563
Hardware, Lumber and Building Materials Retailer	BRE, N.E.C.---BRE, N.E.C.---Fractures	31945
Hardware, Lumber and Building Materials Retailer	BRE, N.E.C.---OLT---Concussions	3849
Hardware, Lumber and Building Materials Retailer	Caught in or compressed by equip./objects	2071
Hardware, Lumber and Building Materials Retailer	Caught in/crushed in collapsing materials	442
Hardware, Lumber and Building Materials Retailer	COE, UNS	5600
Hardware, Lumber and Building Materials Retailer	COE, N.E.C.---COE, N.E.C.---FB	2529
Hardware, Lumber and Building Materials Retailer	COE, N.E.C.---COE, N.E.C.---Punctures, except bites	86
Hardware, Lumber and Building Materials Retailer	Contact with temperature extremes	1546
Hardware, Lumber and Building Materials Retailer	Explosion	16184
Hardware, Lumber and Building Materials Retailer	Exposure to caustic, noxious, or allergenic substances	8560
Hardware, Lumber and Building Materials Retailer	Exposure to noise	443
Hardware, Lumber and Building Materials Retailer	Exposure to traumatic or stressful event, N.E.C.	38376
Hardware, Lumber and Building Materials Retailer	Fall on same level	10055
Hardware, Lumber and Building Materials Retailer	Fall to lower level	10159
Hardware, Lumber and Building Materials Retailer	Fall, N.E.C.	3025
Hardware, Lumber and Building Materials Retailer	Fall, UNS	17813



Hardware, Lumber and Building Materials Retailer	Highway accident	17468
Hardware, Lumber and Building Materials Retailer	Jump to lower level	14339
Hardware, Lumber and Building Materials Retailer	Musculoskeletal disorders (MSD)	6556
Hardware, Lumber and Building Materials Retailer	Overexertion	11126
Hardware, Lumber and Building Materials Retailer	Pedestrian struck by vehicle, mobile equipment	20520
Hardware, Lumber and Building Materials Retailer	Repetitive motion	807
Hardware, Lumber and Building Materials Retailer	RAFP---RAFME	335
Hardware, Lumber and Building Materials Retailer	RAFP---RAKOS---Cellulitis, abscess, paronychia	1203
Hardware, Lumber and Building Materials Retailer	Struck against object	11560
Hardware, Lumber and Building Materials Retailer	Struck by object	8062
Hardware, Lumber and Building Materials Retailer	Unknown	1323
Horse Groom	Assaults and violent acts by person(s)	1796
Horse Groom	Assaults by animals	2795
Horse Groom	Bodily conditions, N.E.C.	1040
Horse Groom	BR---BCCRT---Bruises, contusions	1854
Horse Groom	BR---BR, N.E.C.---Dislocations	4395
Horse Groom	BR---STTS UNSPEC.	692
Horse Groom	BR---STTS, N.E.C.	366
Horse Groom	BR---Slipping on something-without fall	1665
Horse Groom	BR---Stepping in hole or on object-without fall	374
Horse Groom	BR---Tripping over something-without fall	429
Horse Groom	BRE, N.E.C.---BRE, N.E.C.---Fractures	366
Horse Groom	Contact with electric current	91
Horse Groom	COE, N.E.C.---COE, N.E.C.---Fractures	1834
Horse Groom	Exposure to caustic, noxious, or allergenic substances	525
Horse Groom	Exposure to radiation	150
Horse Groom	Fall on same level	3730
Horse Groom	Highway accident	9816
Horse Groom	Musculoskeletal disorders (MSD)	5408
Horse Groom	RAFP---RAFME	351
Horse Groom	Struck against object	6113
Horse Groom	Struck by object	2215
Horse Groom	Unknown	151
Horse Harness Maker	Caught in or compressed by equip./objects	1270
Horse Harness Maker	Struck against object	1046
Horse Harness Maker	Struck by object	847
Horticultural Technician	Assaults by animals	374
Horticultural Technician	BR---BCCRT---Bruises, contusions	893
Horticultural Technician	BR---BCCRT---Dislocations	4884
Horticultural Technician	BR---STTS UNSPEC.	1734
Horticultural Technician	BR---STTS, N.E.C.	1703
Horticultural Technician	BR---Slipping on something-without fall	2164
Horticultural Technician	BR---Stepping in hole or on object-without fall	8578
Horticultural Technician	Caught in/crushed in collapsing materials	3050
Horticultural Technician	COE, N.E.C.---COE, N.E.C.---Fractures	1997
Horticultural Technician	Contact with temperature extremes	329
Horticultural Technician	Exposure to caustic, noxious, or allergenic substances	436
Horticultural Technician	Exposure to harmful substances or environments, UNS	155
Horticultural Technician	Exposure to harmful substances or environments, N.E.C.	4049
Horticultural Technician	Exposure to radiation	252
Horticultural Technician	Exposure to traumatic or stressful event, N.E.C.	8312
Horticultural Technician	Fall on same level	10297
Horticultural Technician	Fall, N.E.C.	5236
Horticultural Technician	Jump to lower level	15863
Horticultural Technician	Musculoskeletal disorders (MSD)	6035
Horticultural Technician	Nonhighway accident, except rail, air, water	7110
Horticultural Technician	Overexertion	395
Horticultural Technician	Pedestrian struck by vehicle, mobile equipment	7586
Horticultural Technician	RAFP---RAFME	376
Horticultural Technician	RAFP---RAFP, N.E.C.---Second-degree heat burns, scalds	937
Horticultural Technician	Struck against object	5601
Horticultural Technician	Struck by object	5102
Institutional Cook	Assaults and violent acts by person(s)	7376



Institutional Cook	Assaults by animals	5723
Institutional Cook	Bodily conditions, N.E.C.	8017
Institutional Cook	BR---BCCRT---Bruises, contusions	665
Institutional Cook	BR---BCCRT---Cuts, lacerations	180
Institutional Cook	BR---BCCRT---Dislocations	3903
Institutional Cook	BR---BCCRT---Fractures	5695
Institutional Cook	BR---BR, N.E.C.---Bruises, contusions	591
Institutional Cook	BR---BR, N.E.C.---Fractures	2115
Institutional Cook	BR---STTS, N.E.C.	8692
Institutional Cook	BR---Slipping on something-without fall	4390
Institutional Cook	BR---Stepping in hole or on object-without fall	1730
Institutional Cook	BR---Sudden reaction when surprised, ..., startled	789
Institutional Cook	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	121
Institutional Cook	BRE, N.E.C.---BRE, N.E.C.---Dislocations	489
Institutional Cook	BRE, N.E.C.---BRE, N.E.C.---Fractures	816
Institutional Cook	Caught in or compressed by equip./objects	5670
Institutional Cook	Contact with electric current	1053
Institutional Cook	COE, UNS	240
Institutional Cook	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	1497
Institutional Cook	COE, N.E.C.---COE, N.E.C.---Fractures	1497
Institutional Cook	COE, N.E.C.---COE, N.E.C.---Heat burns, scalds, N.E.C.	0
Institutional Cook	Contact with temperature extremes	1544
Institutional Cook	Explosion	1076
Institutional Cook	Exposure to caustic, noxious, or allergenic substances	1330
Institutional Cook	Exposure to harmful substances or environments, UNS	645
Institutional Cook	Exposure to harmful substances or environments, N.E.C.	330
Institutional Cook	Fall on same level	8908
Institutional Cook	Fall, UNS	909
Institutional Cook	Fire or explosion, UNS	9044
Institutional Cook	Fire--uninteded or uncontrolled	2026
Institutional Cook	Jump to lower level	1620
Institutional Cook	Musculoskeletal disorders (MSD)	6626
Institutional Cook	Nonhighway accident, except rail, air, water	6580
Institutional Cook	Overexertion	1737
Institutional Cook	Pedestrian struck by vehicle, mobile equipment	1981
Institutional Cook	RAFP---RAFME	313
Institutional Cook	RAFP---RAFP, N.E.C.---Cuts, lacerations	180
Institutional Cook	RAFP---RAKOS---Chemical burns, N.E.C.	81
Institutional Cook	RAFP---RAOBH---Abrasions, scratches	257
Institutional Cook	RAFP---RAOBH---Amputations, fingertip	280
Institutional Cook	RAFP---RAOBH---Cuts, lacerations	6248
Institutional Cook	Self-inflicted injury	382
Institutional Cook	Struck against object	1760
Institutional Cook	Struck by object	1552
Institutional Cook	Unknown	92
Institutional Cook	Water vehicle accident	3040
IT - Contact Centre Customer Service Agent	Assaults by animals	386
IT - Contact Centre Customer Service Agent	Bodily conditions, N.E.C.	110
IT - Contact Centre Customer Service Agent	BR---BCCRT---Dislocations	1598
IT - Contact Centre Customer Service Agent	BR---BR, N.E.C.---Bruises, contusions	358
IT - Contact Centre Customer Service Agent	BR---BR, N.E.C.---Fractures	7696
IT - Contact Centre Customer Service Agent	BR---STTS UNSPEC.	9999
IT - Contact Centre Customer Service Agent	BR---STTS, N.E.C.	3718
IT - Contact Centre Customer Service Agent	BR---Slipping on something-without fall	5605
IT - Contact Centre Customer Service Agent	BR---Standing---Bruises, contusions	870
IT - Contact Centre Customer Service Agent	BR---Stepping in hole or on object-without fall	1422
IT - Contact Centre Customer Service Agent	BR---Sudden reaction when surprised, ..., startled	1429
IT - Contact Centre Customer Service Agent	BR---Tripping over something-without fall	5187
IT - Contact Centre Customer Service Agent	BRE, N.E.C.---BRE, N.E.C.---Fractures	1665
IT - Contact Centre Customer Service Agent	BRE, N.E.C.---BRE, N.E.C.---TIN, unspec	1951
IT - Contact Centre Customer Service Agent	BRE, N.E.C.---OLT---Dislocations	7931
IT - Contact Centre Customer Service Agent	Caught in or compressed by equip./objects	2033
IT - Contact Centre Customer Service Agent	Caught in/crushed in collapsing materials	187



IT - Contact Centre Customer Service Agent	Contact with electric current	932
IT - Contact Centre Customer Service Agent	COE, N.E.C.---COE, N.E.C.---CD	983
IT - Contact Centre Customer Service Agent	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	1164
IT - Contact Centre Customer Service Agent	COE, N.E.C.---COE, N.E.C.---Fractures	368
IT - Contact Centre Customer Service Agent	Contact with temperature extremes	385
IT - Contact Centre Customer Service Agent	Exposure to caustic, noxious, or allergenic substances	849
IT - Contact Centre Customer Service Agent	Exposure to harmful substances or environments, UNS	291
IT - Contact Centre Customer Service Agent	Exposure to harmful substances or environments, N.E.C.	318
IT - Contact Centre Customer Service Agent	Fall on same level	7004
IT - Contact Centre Customer Service Agent	Fall to lower level	8918
IT - Contact Centre Customer Service Agent	Fall, N.E.C.	161
IT - Contact Centre Customer Service Agent	Highway accident	7187
IT - Contact Centre Customer Service Agent	Musculoskeletal disorders (MSD)	4772
IT - Contact Centre Customer Service Agent	Nonhighway accident, except rail, air, water	5721
IT - Contact Centre Customer Service Agent	Other events or exposures	5767
IT - Contact Centre Customer Service Agent	Pedestrian struck by vehicle, mobile equipment	2686
IT - Contact Centre Customer Service Agent	Railway accident	4032
IT - Contact Centre Customer Service Agent	RAFP---RAFME	291
IT - Contact Centre Customer Service Agent	Self-inflicted injury	499
IT - Contact Centre Customer Service Agent	Struck against object	5290
IT - Contact Centre Customer Service Agent	Struck by object	6857
IT - Contact Centre Sales Agent	Assaults by animals	386
IT - Contact Centre Sales Agent	Bodily conditions, N.E.C.	110
IT - Contact Centre Sales Agent	BR---BCCRT---Dislocations	1598
IT - Contact Centre Sales Agent	BR---BR, N.E.C.---Bruises, contusions	358
IT - Contact Centre Sales Agent	BR---BR, N.E.C.---Fractures	7696
IT - Contact Centre Sales Agent	BR---STTS UNSPEC.	9999
IT - Contact Centre Sales Agent	BR---STTS, N.E.C.	3718
IT - Contact Centre Sales Agent	BR---Slipping on something-without fall	5605
IT - Contact Centre Sales Agent	BR---Standing---Bruises, contusions	870
IT - Contact Centre Sales Agent	BR---Stepping in hole or on object-without fall	1422
IT - Contact Centre Sales Agent	BR---Sudden reaction when surprised, ..., startled	1429
IT - Contact Centre Sales Agent	BR---Tripping over something-without fall	5187
IT - Contact Centre Sales Agent	BRE, N.E.C.---BRE, N.E.C.---Fractures	1665
IT - Contact Centre Sales Agent	BRE, N.E.C.---BRE, N.E.C.---TIN, unspec	1951
IT - Contact Centre Sales Agent	BRE, N.E.C.---OLT---Dislocations	7931
IT - Contact Centre Sales Agent	Caught in or compressed by equip./objects	2033
IT - Contact Centre Sales Agent	Caught in/crushed in collapsing materials	187
IT - Contact Centre Sales Agent	Contact with electric current	932
IT - Contact Centre Sales Agent	COE, N.E.C.---COE, N.E.C.---CD	983
IT - Contact Centre Sales Agent	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	1164
IT - Contact Centre Sales Agent	COE, N.E.C.---COE, N.E.C.---Fractures	368
IT - Contact Centre Sales Agent	Contact with temperature extremes	385
IT - Contact Centre Sales Agent	Exposure to caustic, noxious, or allergenic substances	849
IT - Contact Centre Sales Agent	Exposure to harmful substances or environments, UNS	291
IT - Contact Centre Sales Agent	Exposure to harmful substances or environments, N.E.C.	318
IT - Contact Centre Sales Agent	Fall on same level	7004
IT - Contact Centre Sales Agent	Fall to lower level	8918
IT - Contact Centre Sales Agent	Fall, N.E.C.	161
IT - Contact Centre Sales Agent	Highway accident	7187
IT - Contact Centre Sales Agent	Musculoskeletal disorders (MSD)	4772
IT - Contact Centre Sales Agent	Nonhighway accident, except rail, air, water	5721
IT - Contact Centre Sales Agent	Other events or exposures	5767
IT - Contact Centre Sales Agent	Pedestrian struck by vehicle, mobile equipment	2686
IT - Contact Centre Sales Agent	Railway accident	4032
IT - Contact Centre Sales Agent	RAFP---RAFME	291
IT - Contact Centre Sales Agent	Self-inflicted injury	499
IT - Contact Centre Sales Agent	Struck against object	5290
IT - Contact Centre Sales Agent	Struck by object	6857
Micro Electronics Manufacturer	Assaults and violent acts by person(s)	96
Micro Electronics Manufacturer	BR---BCCRT---Bruises, contusions	227
Micro Electronics Manufacturer	BR---BCCRT---Cuts, lacerations	525
Micro Electronics Manufacturer	BR---BR, N.E.C.---Fractures	4131

Micro Electronics Manufacturer	BR---Slipping on something-without fall	780
Micro Electronics Manufacturer	BR---Tripping over something-without fall	1395
Micro Electronics Manufacturer	Caught in or compressed by equip./objects	1522
Micro Electronics Manufacturer	Contact with electric current	1194
Micro Electronics Manufacturer	COE, UNS	248
Micro Electronics Manufacturer	Contact with temperature extremes	184
Micro Electronics Manufacturer	Exposure to harmful substances or environments, N.E.C.	301
Micro Electronics Manufacturer	Jump to lower level	2159
Micro Electronics Manufacturer	Musculoskeletal disorders (MSD)	5634
Micro Electronics Manufacturer	Nonhighway accident, except rail, air, water	1883
Micro Electronics Manufacturer	Overexertion	3871
Micro Electronics Manufacturer	RAFP---RAFME	634
Micro Electronics Manufacturer	Struck against object	3395
Micro Electronics Manufacturer	Struck by object	2650
Native Clothing and Crafts Artisan	Caught in or compressed by equip./objects	1095
Native Clothing and Crafts Artisan	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	796
Native Clothing and Crafts Artisan	Nonhighway accident, except rail, air, water	845
Native Clothing and Crafts Artisan	RAFP---RAFME	256
Native Clothing and Crafts Artisan	Struck against object	377
Native Clothing and Crafts Artisan	Struck by object	994
Network Cabling Specialist	Assaults by animals	268
Network Cabling Specialist	BR---BCCRT---Bruises, contusions	116
Network Cabling Specialist	BR---BCCRT---Dislocations	296
Network Cabling Specialist	BR---BCCRT---Fractures	4211
Network Cabling Specialist	BR---BR, N.E.C.---Bruises, contusions	278
Network Cabling Specialist	BR---BR, N.E.C.---Fractures	2733
Network Cabling Specialist	BR---STTS UNSPEC.	11055
Network Cabling Specialist	BR---STTS, N.E.C.	4769
Network Cabling Specialist	BR---Slipping on something-without fall	19978
Network Cabling Specialist	BR---Stepping in hole or on object-without fall	3907
Network Cabling Specialist	BRE, N.E.C.---BRE, N.E.C.---Crushing injuries	3696
Network Cabling Specialist	Caught in or compressed by equip./objects	3027
Network Cabling Specialist	Caught in/crushed in collapsing materials	2001
Network Cabling Specialist	COE, UNS	695
Network Cabling Specialist	Exposure to caustic, noxious, or allergenic substances	498
Network Cabling Specialist	Fall on same level	13217
Network Cabling Specialist	Highway accident	3371
Network Cabling Specialist	Jump to lower level	8950
Network Cabling Specialist	Musculoskeletal disorders (MSD)	9753
Network Cabling Specialist	Overexertion	3646
Network Cabling Specialist	Pedestrian struck by vehicle, mobile equipment	4920
Network Cabling Specialist	RAFP---RAFME	446
Network Cabling Specialist	Struck against object	4507
Network Cabling Specialist	Struck by object	8225
Parts Technician	BR---BCCRT---Dislocations	1396
Parts Technician	BR---BCCRT---Fractures	19025
Parts Technician	BR---BR, N.E.C.---Avulsions	179
Parts Technician	BR---STTS UNSPEC.	468
Parts Technician	BR---Slipping on something-without fall	5814
Parts Technician	BR---Stepping in hole or on object-without fall	411
Parts Technician	BR---Tripping over something-without fall	189
Parts Technician	Caught in or compressed by equip./objects	6629
Parts Technician	Caught in/crushed in collapsing materials	625
Parts Technician	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	215
Parts Technician	Contact with temperature extremes	280
Parts Technician	Exposure to caustic, noxious, or allergenic substances	670
Parts Technician	Exposure to harmful substances or environments, UNS	390
Parts Technician	Exposure to traumatic or stressful event, N.E.C.	3184
Parts Technician	Fall on same level	9417
Parts Technician	Fall to lower level	8794
Parts Technician	Highway accident	1509
Parts Technician	Jump to lower level	3469
Parts Technician	Musculoskeletal disorders (MSD)	4961



Parts Technician	Nonhighway accident, except rail, air, water	726
Parts Technician	Overexertion	5031
Parts Technician	RAFP---RAFME	283
Parts Technician	Self-inflicted injury	89
Parts Technician	Struck against object	6514
Parts Technician	Struck by object	3525
Pool, Hot Tub and Spa - Installer	Assaults and violent acts by person(s)	106
Pool, Hot Tub and Spa - Installer	BR---BCCRT---Fractures	13297
Pool, Hot Tub and Spa - Installer	BR---BR, N.E.C.---Bruises, contusions	5373
Pool, Hot Tub and Spa - Installer	BR---BR, N.E.C.---Dislocations	1222
Pool, Hot Tub and Spa - Installer	BR---BR, N.E.C.---Fractures	3110
Pool, Hot Tub and Spa - Installer	BR---STTS, N.E.C.	6035
Pool, Hot Tub and Spa - Installer	BR---Slipping on something-without fall	8484
Pool, Hot Tub and Spa - Installer	BR---Stepping in hole or on object-without fall	6495
Pool, Hot Tub and Spa - Installer	BR---Sudden reaction when surprised, ..., startled	131
Pool, Hot Tub and Spa - Installer	BR---Tripping over something-without fall	6374
Pool, Hot Tub and Spa - Installer	Caught in or compressed by equip./objects	9472
Pool, Hot Tub and Spa - Installer	Caught in/crushed in collapsing materials	7628
Pool, Hot Tub and Spa - Installer	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	6273
Pool, Hot Tub and Spa - Installer	Contact with temperature extremes	403
Pool, Hot Tub and Spa - Installer	Explosion	1348
Pool, Hot Tub and Spa - Installer	Exposure to caustic, noxious, or allergenic substances	11390
Pool, Hot Tub and Spa - Installer	Exposure to traumatic or stressful event, N.E.C.	14335
Pool, Hot Tub and Spa - Installer	Fall on same level	16164
Pool, Hot Tub and Spa - Installer	Fall, UNS	6632
Pool, Hot Tub and Spa - Installer	Fire--uninteded or uncontrolled	608
Pool, Hot Tub and Spa - Installer	Highway accident	15470
Pool, Hot Tub and Spa - Installer	Jump to lower level	12211
Pool, Hot Tub and Spa - Installer	Musculoskeletal disorders (MSD)	13943
Pool, Hot Tub and Spa - Installer	Nonhighway accident, except rail, air, water	4028
Pool, Hot Tub and Spa - Installer	Overexertion	12888
Pool, Hot Tub and Spa - Installer	Pedestrian struck by vehicle, mobile equipment	11658
Pool, Hot Tub and Spa - Installer	RAFP---RAFME	315
Pool, Hot Tub and Spa - Installer	RAFP---RAFP, N.E.C.---Blisters	666
Pool, Hot Tub and Spa - Installer	RAFP---RAFP, N.E.C.---Cuts, lacerations	533
Pool, Hot Tub and Spa - Installer	RAFP---RAKOS---Abrasions, scratches	733
Pool, Hot Tub and Spa - Installer	RAFP---RAKOS---Cellulitis, abscess, paronychia	973
Pool, Hot Tub and Spa - Installer	RAFP---RAOBH---Cuts, lacerations	317
Pool, Hot Tub and Spa - Installer	RAFP---RAOBH---Friction burns	867
Pool, Hot Tub and Spa - Installer	Self-inflicted injury	121
Pool, Hot Tub and Spa - Installer	Struck against object	10676
Pool, Hot Tub and Spa - Installer	Struck by object	8203
Pool, Hot Tub and Spa - Installer	Transportation accident, UNS	2894
Pool, Hot Tub and Spa - Service Technician	Assaults and violent acts by person(s)	106
Pool, Hot Tub and Spa - Service Technician	BR---BCCRT---Fractures	13297
Pool, Hot Tub and Spa - Service Technician	BR---BR, N.E.C.---Bruises, contusions	5373
Pool, Hot Tub and Spa - Service Technician	BR---BR, N.E.C.---Dislocations	1222
Pool, Hot Tub and Spa - Service Technician	BR---BR, N.E.C.---Fractures	3110
Pool, Hot Tub and Spa - Service Technician	BR---STTS, N.E.C.	6035
Pool, Hot Tub and Spa - Service Technician	BR---Slipping on something-without fall	8484
Pool, Hot Tub and Spa - Service Technician	BR---Stepping in hole or on object-without fall	6495
Pool, Hot Tub and Spa - Service Technician	BR---Sudden reaction when surprised, ..., startled	131
Pool, Hot Tub and Spa - Service Technician	BR---Tripping over something-without fall	6374
Pool, Hot Tub and Spa - Service Technician	Caught in or compressed by equip./objects	9472
Pool, Hot Tub and Spa - Service Technician	Caught in/crushed in collapsing materials	7628
Pool, Hot Tub and Spa - Service Technician	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	6273
Pool, Hot Tub and Spa - Service Technician	Contact with temperature extremes	403
Pool, Hot Tub and Spa - Service Technician	Explosion	1348
Pool, Hot Tub and Spa - Service Technician	Exposure to caustic, noxious, or allergenic substances	11390
Pool, Hot Tub and Spa - Service Technician	Exposure to traumatic or stressful event, N.E.C.	14335
Pool, Hot Tub and Spa - Service Technician	Fall on same level	16164
Pool, Hot Tub and Spa - Service Technician	Fall, UNS	6632
Pool, Hot Tub and Spa - Service Technician	Fire--uninteded or uncontrolled	608



Pool, Hot Tub and Spa - Service Technician	Highway accident	15470
Pool, Hot Tub and Spa - Service Technician	Jump to lower level	12211
Pool, Hot Tub and Spa - Service Technician	Musculoskeletal disorders (MSD)	13943
Pool, Hot Tub and Spa - Service Technician	Nonhighway accident, except rail, air, water	4028
Pool, Hot Tub and Spa - Service Technician	Overexertion	12888
Pool, Hot Tub and Spa - Service Technician	Pedestrian struck by vehicle, mobile equipment	11658
Pool, Hot Tub and Spa - Service Technician	RAFP---RAFME	315
Pool, Hot Tub and Spa - Service Technician	RAFP---RAFP, N.E.C.---Blisters	666
Pool, Hot Tub and Spa - Service Technician	RAFP---RAFP, N.E.C.---Cuts, lacerations	533
Pool, Hot Tub and Spa - Service Technician	RAFP---RAKOS---Abrasions, scratches	733
Pool, Hot Tub and Spa - Service Technician	RAFP---RAKOS---Cellulitis, abscess, paronychia	973
Pool, Hot Tub and Spa - Service Technician	RAFP---RAOBH---Cuts, lacerations	317
Pool, Hot Tub and Spa - Service Technician	RAFP---RAOBH---Friction burns	867
Pool, Hot Tub and Spa - Service Technician	Self-inflicted injury	121
Pool, Hot Tub and Spa - Service Technician	Struck against object	10676
Pool, Hot Tub and Spa - Service Technician	Struck by object	8203
Pool, Hot Tub and Spa - Service Technician	Transportation accident, UNS	2894
Retail Meat Cutter	BR---BCCRT---Dislocations	1056
Retail Meat Cutter	BR---BCCRT---Fractures	529
Retail Meat Cutter	BR---BR, N.E.C.---Bruises, contusions	404
Retail Meat Cutter	BR---STTS UNSPEC.	682
Retail Meat Cutter	BR---Slipping on something-without fall	2927
Retail Meat Cutter	BR---Tripping over something-without fall	185
Retail Meat Cutter	Contact with electric current	230
Retail Meat Cutter	Contact with temperature extremes	1553
Retail Meat Cutter	Exposure to caustic, noxious, or allergenic substances	768
Retail Meat Cutter	Fall on same level	7247
Retail Meat Cutter	Fall to lower level	4758
Retail Meat Cutter	Overexertion	447
Retail Meat Cutter	Pedestrian struck by vehicle, mobile equipment	7553
Retail Meat Cutter	RAFP---RAFME	235
Retail Meat Cutter	Self-inflicted injury	175
Retail Meat Cutter	Struck against object	7425
Retail Meat Cutter	Struck by object	4285
Saddlery	Caught in or compressed by equip./objects	1270
Saddlery	Struck against object	1046
Saddlery	Struck by object	847
Special Events Coordinator	BR---Tripping over something-without fall	24
Special Events Coordinator	Caught in or compressed by equip./objects	791
Special Events Coordinator	Contact with temperature extremes	943
Special Events Coordinator	Exposure to caustic, noxious, or allergenic substances	115
Special Events Coordinator	Musculoskeletal disorders (MSD)	1330
Special Events Coordinator	Nonhighway accident, except rail, air, water	732
Special Events Coordinator	Struck against object	345
Utility Arborist	Assaults by animals	374
Utility Arborist	BR---BCCRT---Bruises, contusions	893
Utility Arborist	BR---BCCRT---Dislocations	4884
Utility Arborist	BR---STTS UNSPEC.	1734
Utility Arborist	BR---STTS, N.E.C.	1703
Utility Arborist	BR---Slipping on something-without fall	2164
Utility Arborist	BR---Stepping in hole or on object-without fall	8578
Utility Arborist	Caught in/crushed in collapsing materials	3050
Utility Arborist	COE, N.E.C.---COE, N.E.C.---Fractures	1997
Utility Arborist	Contact with temperature extremes	329
Utility Arborist	Exposure to caustic, noxious, or allergenic substances	436
Utility Arborist	Exposure to harmful substances or environments, UNS	155
Utility Arborist	Exposure to harmful substances or environments, N.E.C.	4049
Utility Arborist	Exposure to radiation	252
Utility Arborist	Exposure to traumatic or stressful event, N.E.C.	8312
Utility Arborist	Fall on same level	10297
Utility Arborist	Fall, N.E.C.	5236
Utility Arborist	Jump to lower level	15863
Utility Arborist	Musculoskeletal disorders (MSD)	6035



Utility Arborist	Nonhighway accident, except rail, air, water	7110
Utility Arborist	Overexertion	395
Utility Arborist	Pedestrian struck by vehicle, mobile equipment	7586
Utility Arborist	RAFP---RAFME	376
Utility Arborist	RAFP---RAFP, N.E.C.---Second-degree heat burns, scalds	937
Utility Arborist	Struck against object	5601
Utility Arborist	Struck by object	5102

Table B.3. Total days lost for each injury type in the *Other* category

Trade	Injury type	Number of days lost
Aboriginal Child Development Practitioner	Assaults by animals	6
Aboriginal Child Development Practitioner	Bodily conditions, N.E.C.	11
Aboriginal Child Development Practitioner	BR---BCCRT---Dislocations	0
Aboriginal Child Development Practitioner	BR---BCCRT---Fractures	103
Aboriginal Child Development Practitioner	BR---BR, N.E.C.---Cuts, lacerations	1
Aboriginal Child Development Practitioner	BR---BR, N.E.C.---Fractures	31
Aboriginal Child Development Practitioner	BR---Running--without other incident---Bruises, contusions	2
Aboriginal Child Development Practitioner	BR---STTS UNSPEC.	81
Aboriginal Child Development Practitioner	BR---STTS, N.E.C.	342
Aboriginal Child Development Practitioner	BR---Slipping on something-without fall	696
Aboriginal Child Development Practitioner	BR---Stepping in hole or on object-without fall	296
Aboriginal Child Development Practitioner	BR---Sudden reaction when surprised, ..., startled	49
Aboriginal Child Development Practitioner	BR---Tripping over something-without fall	617
Aboriginal Child Development Practitioner	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	20
Aboriginal Child Development Practitioner	Caught in or compressed by equip./objects	47
Aboriginal Child Development Practitioner	Contact with electric current	143
Aboriginal Child Development Practitioner	COE, UNS	2
Aboriginal Child Development Practitioner	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	2
Aboriginal Child Development Practitioner	COE, N.E.C.---COE, N.E.C.---Urticaria, hives	0
Aboriginal Child Development Practitioner	Contact with temperature extremes	29
Aboriginal Child Development Practitioner	Exposure to caustic, noxious, or allergenic substances	353
Aboriginal Child Development Practitioner	Exposure to harmful substances or environments, UNS	2
Aboriginal Child Development Practitioner	Exposure to harmful substances or environments, N.E.C.	5
Aboriginal Child Development Practitioner	Exposure to traumatic or stressful event, N.E.C.	82
Aboriginal Child Development Practitioner	Fall to lower level	2780
Aboriginal Child Development Practitioner	Fall, N.E.C.	141
Aboriginal Child Development Practitioner	Highway accident	8
Aboriginal Child Development Practitioner	Jump to lower level	2
Aboriginal Child Development Practitioner	Other events or exposures	4
Aboriginal Child Development Practitioner	Overexertion	5
Aboriginal Child Development Practitioner	Pedestrian struck by vehicle, mobile equipment	152
Aboriginal Child Development Practitioner	Repetitive motion	24
Aboriginal Child Development Practitioner	RAFP---RAFME	5
Aboriginal Child Development Practitioner	SP---SP---Fractures and other injuries	10
Agricultural - Dairy Herdsperson	BR---Stepping in hole or on object-without fall	2
Agricultural - Dairy Herdsperson	Caught in or compressed by equip./objects	56
Agricultural - Dairy Herdsperson	Exposure to caustic, noxious, or allergenic substances	8
Agricultural - Dairy Herdsperson	Fire--uninteded or uncontrolled	38
Agricultural - Dairy Herdsperson	Nonhighway accident, except rail, air, water	0
Agricultural - Dairy Herdsperson	Struck against object	70
Agricultural - Dairy Herdsperson	Struck by object	80
Agricultural - Fruit Grower	BR---BR, N.E.C.---Fractures	179
Agricultural - Fruit Grower	BR---STTS UNSPEC.	333
Agricultural - Fruit Grower	BR---Slipping on something-without fall	22
Agricultural - Fruit Grower	BR---Tripping over something-without fall	0
Agricultural - Fruit Grower	Caught in/crushed in collapsing materials	2
Agricultural - Fruit Grower	Contact with temperature extremes	12
Agricultural - Fruit Grower	Exposure to caustic, noxious, or allergenic substances	315
Agricultural - Fruit Grower	Fall on same level	608
Agricultural - Fruit Grower	Fall to lower level	733
Agricultural - Fruit Grower	Highway accident	10
Agricultural - Fruit Grower	Jump to lower level	2
Agricultural - Fruit Grower	Nonhighway accident, except rail, air, water	3
Agricultural - Fruit Grower	Overexertion	32
Agricultural - Fruit Grower	RAFP---RAFME	17
Agricultural - Swine Herdsperson	BR---Stepping in hole or on object-without fall	2
Agricultural - Swine Herdsperson	Caught in or compressed by equip./objects	56

Agricultural - Swine Herdperson	Exposure to caustic, noxious, or allergenic substances	8
Agricultural - Swine Herdperson	Fire--uninteded or uncontrolled	38
Agricultural - Swine Herdperson	Nonhighway accident, except rail, air, water	0
Agricultural - Swine Herdperson	Struck against object	70
Agricultural - Swine Herdperson	Struck by object	80
Appliance Service Technician	BR---BCCRT---Fractures	27
Appliance Service Technician	BR---BR, N.E.C.---Dislocations	144
Appliance Service Technician	BR---BR, N.E.C.---Fractures	3
Appliance Service Technician	BR---STTS UNSPEC.	41
Appliance Service Technician	BR---STTS, N.E.C.	13
Appliance Service Technician	BR---Slipping on something-without fall	2
Appliance Service Technician	BR---Stepping in hole or on object-without fall	18
Appliance Service Technician	BRE, N.E.C.---BRE, N.E.C.---Dislocations	78
Appliance Service Technician	Caught in or compressed by equip./objects	216
Appliance Service Technician	Contact with electric current	206
Appliance Service Technician	COE, UNS	1
Appliance Service Technician	Contact with temperature extremes	67
Appliance Service Technician	Exposure to caustic, noxious, or allergenic substances	25
Appliance Service Technician	Highway accident	133
Appliance Service Technician	Nonhighway accident, except rail, air, water	19
Appliance Service Technician	Overexertion	42
Appliance Service Technician	RAFP---RAFME	3
Appliance Service Technician	RAFP---RAKOS---Cellulitis, abscess, paronychia	7
Appliance Service Technician	Self-inflicted injury	1
Appliance Service Technician	Struck by object	657
Arborist	Assaults by animals	6
Arborist	BR---BCCRT---Bruises, contusions	2
Arborist	BR---BCCRT---Dislocations	42
Arborist	BR---STTS UNSPEC.	36
Arborist	BR---STTS, N.E.C.	77
Arborist	BR---Slipping on something-without fall	59
Arborist	BR---Stepping in hole or on object-without fall	253
Arborist	BR---Tripping over something-without fall	0
Arborist	Caught in/crushed in collapsing materials	32
Arborist	Contact with electric current	941
Arborist	COE, N.E.C.---COE, N.E.C.---Fractures	9
Arborist	Contact with temperature extremes	9
Arborist	Exposure to caustic, noxious, or allergenic substances	84
Arborist	Exposure to harmful substances or enviroments, UNS	1
Arborist	Exposure to harmful substances or environments, N.E.C.	34
Arborist	Exposure to radiation	1
Arborist	Exposure to traumatic or stressful event, N.E.C.	40
Arborist	Fall, N.E.C.	52
Arborist	Highway accident	1404
Arborist	Jump to lower level	711
Arborist	Nonhighway accident, except rail, air, water	337
Arborist	Overexertion	6
Arborist	Pedestrian struck by vehicle, mobile equipment	341
Arborist	RAFP---RAFME	40
Arborist	RAFP---RAFP, N.E.C.---Second-degree heat burns, scalds	8
Arborist	Struck against object	1628
Assistant Cook	Assaults by animals	63
Assistant Cook	Bodily conditions, N.E.C.	48
Assistant Cook	BR---BCCRT---Bruises, contusions	12
Assistant Cook	BR---BCCRT---Cuts, lacerations	2
Assistant Cook	BR---BCCRT---Dislocations	86
Assistant Cook	BR---BCCRT---Fractures	230
Assistant Cook	BR---BR, N.E.C.---Bruises, contusions	4
Assistant Cook	BR---BR, N.E.C.---Fractures	23
Assistant Cook	BR---STTS UNSPEC.	2789
Assistant Cook	BR---STTS, N.E.C.	630
Assistant Cook	BR---Slipping on something-without fall	1894
Assistant Cook	BR---Stepping in hole or on object-without fall	4



Assistant Cook	BR---Sudden reaction when surprised, ..., startled	1
Assistant Cook	BR---Tripping over something-without fall	3493
Assistant Cook	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	1
Assistant Cook	BRE, N.E.C.---BRE, N.E.C.---Dislocations	6
Assistant Cook	BRE, N.E.C.---BRE, N.E.C.---Fractures	2
Assistant Cook	Caught in or compressed by equip./objects	2950
Assistant Cook	Contact with electric current	74
Assistant Cook	COE, UNS	18
Assistant Cook	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	479
Assistant Cook	COE, N.E.C.---COE, N.E.C.---Fractures	13
Assistant Cook	COE, N.E.C.---COE, N.E.C.---Heat burns, scalds, N.E.C.	0
Assistant Cook	Explosion	15
Assistant Cook	Exposure to caustic, noxious, or allergenic substances	1374
Assistant Cook	Exposure to harmful substances or environments, UNS	17
Assistant Cook	Exposure to harmful substances or environments, N.E.C.	7
Assistant Cook	Fall, UNS	2
Assistant Cook	Fire or explosion, N.E.C.	0
Assistant Cook	Fire or explosion, UNS	36
Assistant Cook	Fire--unintended or uncontrolled	281
Assistant Cook	Highway accident	993
Assistant Cook	Jump to lower level	36
Assistant Cook	Nonhighway accident, except rail, air, water	224
Assistant Cook	Overexertion	177
Assistant Cook	Pedestrian struck by vehicle, mobile equipment	70
Assistant Cook	Repetitive motion	106
Assistant Cook	RAFP---RAFME	74
Assistant Cook	RAFP---RAFP, N.E.C.---Cuts, lacerations	4
Assistant Cook	RAFP---RAKOS---Chemical burns, N.E.C.	2
Assistant Cook	RAFP---RAOBH---Abrasions, scratches	2
Assistant Cook	RAFP---RAOBH---Amputations, fingertip	2
Assistant Cook	RAFP---RAOBH---Cuts, lacerations	64
Assistant Cook	Self-inflicted injury	40
Assistant Cook	Struck against object	4393
Assistant Cook	Unknown	2
Assistant Cook	Water vehicle accident	56
Baker	BR---BCCRT---Dislocations	35
Baker	BR---BCCRT---Fractures	11
Baker	BR---BR, N.E.C.---Bruises, contusions	28
Baker	BR---BR, N.E.C.---Other inflammatory conditions of the skin, UNS	28
Baker	BR---BR, UNS---Fractures	3
Baker	BR---STTS UNSPEC.	12
Baker	BR---STTS, N.E.C.	163
Baker	BR---Slipping on something-without fall	143
Baker	BR---Stepping in hole or on object-without fall	4
Baker	BR---Sudden reaction when surprised, ..., startled	24
Baker	BR---Tripping over something-without fall	46
Baker	BRE, N.E.C.---BRE, N.E.C.---Dislocations	4
Baker	Caught in/crushed in collapsing materials	4
Baker	Contact with electric current	4
Baker	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	19
Baker	Contact with temperature extremes	400
Baker	Exposure to caustic, noxious, or allergenic substances	318
Baker	Exposure to traumatic or stressful event, N.E.C.	748
Baker	Fall, N.E.C.	49
Baker	Jump to lower level	15
Baker	Overexertion	53
Baker	RAFP---RAFME	3
Baker	Struck against object	795
Baker-Patissier	BR---BCCRT---Dislocations	35
Baker-Patissier	BR---BCCRT---Fractures	11
Baker-Patissier	BR---BR, N.E.C.---Bruises, contusions	28
Baker-Patissier	BR---BR, N.E.C.---Other inflammatory conditions of the skin, UNS	28
Baker-Patissier	BR---BR, UNS---Fractures	3



Baker-Patissier	BR---STTS UNSPEC.	12
Baker-Patissier	BR---STTS, N.E.C.	163
Baker-Patissier	BR---Slipping on something-without fall	143
Baker-Patissier	BR---Stepping in hole or on object-without fall	4
Baker-Patissier	BR---Sudden reaction when surprised, ..., startled	24
Baker-Patissier	BR---Tripping over something-without fall	46
Baker-Patissier	BRE, N.E.C.---BRE, N.E.C.---Dislocations	4
Baker-Patissier	Caught in/crushed in collapsing materials	4
Baker-Patissier	Contact with electric current	4
Baker-Patissier	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	19
Baker-Patissier	Contact with temperature extremes	400
Baker-Patissier	Exposure to caustic, noxious, or allergenic substances	318
Baker-Patissier	Exposure to traumatic or stressful event, N.E.C.	748
Baker-Patissier	Fall, N.E.C.	49
Baker-Patissier	Jump to lower level	15
Baker-Patissier	Overexertion	53
Baker-Patissier	RAFP---RAFME	3
Baker-Patissier	Struck against object	795
Horse Groom	Assaults and violent acts by person(s)	131
Bicycle Mechanic	Assaults by animals	6
Bicycle Mechanic	Bodily conditions, N.E.C.	3
Bicycle Mechanic	BR---BCCRT---Bruises, contusions	10
Bicycle Mechanic	BR---BCCRT---Dislocations	0
Bicycle Mechanic	BR---BCCRT---FB	2
Bicycle Mechanic	BR---BCCRT---Fractures	389
Bicycle Mechanic	BR---BR, N.E.C.---Bruises, contusions	9
Bicycle Mechanic	BR---BR, N.E.C.---Cuts, lacerations	2
Bicycle Mechanic	BR---BR, N.E.C.---Fractures	0
Bicycle Mechanic	BR---STTS UNSPEC.	3
Bicycle Mechanic	BR---STTS, N.E.C.	42
Bicycle Mechanic	BR---Stepping in hole or on object-without fall	105
Bicycle Mechanic	BR---Sudden reaction when surprised, ..., startled	5
Bicycle Mechanic	BR---Tripping over something-without fall	258
Bicycle Mechanic	BRE, N.E.C.---BRE, N.E.C.---Dislocations	0
Bicycle Mechanic	BRE, N.E.C.---BRE, N.E.C.---Fractures and other injuries	0
Bicycle Mechanic	BRE, N.E.C.---BRE, N.E.C.---TIN, unspec	56
Bicycle Mechanic	Caught in or compressed by equip./objects	815
Bicycle Mechanic	Contact with electric current	17
Bicycle Mechanic	COE, N.E.C.---COE, N.E.C.---Bruises, contusions	0
Bicycle Mechanic	COE, N.E.C.---COE, N.E.C.---Fractures	29
Bicycle Mechanic	Contact with temperature extremes	76
Bicycle Mechanic	Explosion	164
Bicycle Mechanic	Exposure to caustic, noxious, or allergenic substances	1766
Bicycle Mechanic	Exposure to noise	56
Bicycle Mechanic	Fall, N.E.C.	5
Bicycle Mechanic	Highway accident	611
Bicycle Mechanic	Jump to lower level	67
Bicycle Mechanic	Nonhighway accident, except rail, air, water	125
Bicycle Mechanic	Other events or exposures	4
Bicycle Mechanic	Overexertion	583
Bicycle Mechanic	Pedestrian struck by vehicle, mobile equipment	709
Bicycle Mechanic	RAFP---RAFME	46
Bicycle Mechanic	RAFP---RAFP, N.E.C.---Heat burns, scalds, UNS	0
Bicycle Mechanic	Struck against object	957
Bicycle Mechanic	Transportation accident, UNS	2
Chef	BR---BCCRT---Fractures	29
Chef	BR---STTS UNSPEC.	223
Chef	BR---STTS, N.E.C.	260
Chef	BR---Slipping on something-without fall	384
Chef	BR---Tripping over something-without fall	55
Chef	Caught in or compressed by equip./objects	1162
Chef	Contact with electric current	2
Chef	COE, UNS	2



Chef	COE, N.E.C.---COE, N.E.C.---Amputations, fingertip	4
Chef	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	8
Chef	COE, N.E.C.---COE, N.E.C.---Fractures	52
Chef	Contact with temperature extremes	606
Chef	Explosion	1
Chef	Exposure to caustic, noxious, or allergenic substances	310
Chef	Fire--uninteded or uncontrolled	45
Chef	Overexertion	20
Chef	RAFP---RAFME	3
Chef	Unknown	1
Micro Electronics Manufacturer	Assaults and violent acts by person(s)	0
Child Development Practitioner	Assaults by animals	6
Retail Meat Cutter	Assaults and violent acts by person(s)	603
Retail Meat Cutter	Bodily conditions, N.E.C.	11
Retail Meat Cutter	BR---BCCRT---Dislocations	0
Retail Meat Cutter	BR---BCCRT---Fractures	103
Retail Meat Cutter	BR---BR, N.E.C.---Cuts, lacerations	1
Retail Meat Cutter	BR---BR, N.E.C.---Fractures	31
Retail Meat Cutter	BR---Running--without other incident---Bruises, contusions	2
Retail Meat Cutter	BR---STTS UNSPEC.	81
Retail Meat Cutter	BR---STTS, N.E.C.	342
Retail Meat Cutter	BR---Slipping on something-without fall	696
Retail Meat Cutter	BR---Stepping in hole or on object-without fall	296
Retail Meat Cutter	BR---Sudden reaction when surprised, ..., startled	49
Retail Meat Cutter	BR---Tripping over something-without fall	617
Retail Meat Cutter	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	20
Retail Meat Cutter	Caught in or compressed by equip./objects	47
Retail Meat Cutter	Contact with electric current	143
Retail Meat Cutter	COE, UNS	2
Retail Meat Cutter	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	2
Retail Meat Cutter	COE, N.E.C.---COE, N.E.C.---Urticaria, hives	0
Retail Meat Cutter	Contact with temperature extremes	29
Retail Meat Cutter	Exposure to caustic, noxious, or allergenic substances	353
Retail Meat Cutter	Exposure to harmful substances or enviroments, UNS	2
Retail Meat Cutter	Exposure to harmful substances or environments, N.E.C.	5
Retail Meat Cutter	Exposure to traumatic or stressful event, N.E.C.	82
Retail Meat Cutter	Fall to lower level	2780
Retail Meat Cutter	Fall, N.E.C.	141
Retail Meat Cutter	Highway accident	8
Retail Meat Cutter	Jump to lower level	2
Retail Meat Cutter	Other events or exposures	4
Retail Meat Cutter	Overexertion	5
Retail Meat Cutter	Pedestrian struck by vehicle, mobile equipment	152
Retail Meat Cutter	Repetitive motion	24
Retail Meat Cutter	RAFP---RAFME	5
Retail Meat Cutter	SP---SP---Fractures and other injuries	10
Network Cabling Specialist	Assaults and violent acts by person(s)	1200
Network Cabling Specialist	Assaults and violent acts by person(s)	374
Child Development Practitioner - Inclusion Practices	Assaults by animals	6
Child Development Practitioner - Inclusion Practices	Assaults and violent acts by person(s)	13
Child Development Practitioner - Inclusion Practices	Bodily conditions, N.E.C.	11
Child Development Practitioner - Inclusion Practices	BR---BCCRT---Dislocations	0
Child Development Practitioner - Inclusion Practices	BR---BCCRT---Fractures	103
Child Development Practitioner - Inclusion Practices	BR---BR, N.E.C.---Cuts, lacerations	1
Child Development Practitioner - Inclusion Practices	BR---BR, N.E.C.---Fractures	31
Child Development Practitioner - Inclusion Practices	BR---Running--without other incident---Bruises, contusions	2
Child Development Practitioner - Inclusion Practices	BR---STTS UNSPEC.	81
Child Development Practitioner - Inclusion Practices	BR---STTS, N.E.C.	342
Child Development Practitioner - Inclusion Practices	BR---Slipping on something-without fall	696
Child Development Practitioner - Inclusion Practices	BR---Stepping in hole or on object-without fall	296
Child Development Practitioner - Inclusion Practices	BR---Sudden reaction when surprised, ..., startled	49
Child Development Practitioner - Inclusion Practices	BR---Tripping over something-without fall	617
Child Development Practitioner - Inclusion Practices	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	20

Child Development Practitioner - Inclusion Practices	Caught in or compressed by equip./objects	47
Child Development Practitioner - Inclusion Practices	Contact with electric current	143
Child Development Practitioner - Inclusion Practices	COE, UNS	2
Child Development Practitioner - Inclusion Practices	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	2
Child Development Practitioner - Inclusion Practices	COE, N.E.C.---COE, N.E.C.---Urticaria, hives	0
Child Development Practitioner - Inclusion Practices	Contact with temperature extremes	29
Child Development Practitioner - Inclusion Practices	Exposure to caustic, noxious, or allergenic substances	353
Child Development Practitioner - Inclusion Practices	Exposure to harmful substances or environments, UNS	2
Child Development Practitioner - Inclusion Practices	Exposure to harmful substances or environments, N.E.C.	5
Child Development Practitioner - Inclusion Practices	Exposure to traumatic or stressful event, N.E.C.	82
Child Development Practitioner - Inclusion Practices	Fall to lower level	2780
Child Development Practitioner - Inclusion Practices	Fall, N.E.C.	141
Child Development Practitioner - Inclusion Practices	Highway accident	8
Child Development Practitioner - Inclusion Practices	Jump to lower level	2
Child Development Practitioner - Inclusion Practices	Other events or exposures	4
Child Development Practitioner - Inclusion Practices	Overexertion	5
Child Development Practitioner - Inclusion Practices	Pedestrian struck by vehicle, mobile equipment	152
Child Development Practitioner - Inclusion Practices	Repetitive motion	24
Child Development Practitioner - Inclusion Practices	RAFP---RAFME	5
Child Development Practitioner - Inclusion Practices	SP---SP---Fractures and other injuries	10
Child Development Practitioner - Inclusion Practices	Assaults and violent acts by persons)	741
Cook	Assaults and violent acts by persons)	741
Child and Youth Worker	Assaults by animals	323
Institutional Cook	Assaults and violent acts by person(s)	741
Institutional Cook	BR---BCCRT---Bruises, contusions	2
Institutional Cook	BR---BCCRT---Dislocations	32
Institutional Cook	BR---BCCRT---Fractures	27
Institutional Cook	BR---BR, N.E.C.---Blisters	2
Institutional Cook	BR---BR, N.E.C.---Bruises, contusions	115
Institutional Cook	BR---BR, N.E.C.---Fractures	28
Institutional Cook	BR---BR, N.E.C.---Uns tachycardia (rapid heart beat)	2
Institutional Cook	BR---STTS UNSPEC.	452
Institutional Cook	BR---STTS, N.E.C.	144
Institutional Cook	BR---Slipping on something-without fall	855
Institutional Cook	BR---Stepping in hole or on object-without fall	114
Institutional Cook	BR---Tripping over something-without fall	346
Institutional Cook	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	27
Institutional Cook	BRE, N.E.C.---BRE, N.E.C.---Concussions	5
Institutional Cook	BRE, N.E.C.---BRE, N.E.C.---Dislocations	21
Institutional Cook	BRE, N.E.C.---BRE, N.E.C.---Fractures	5
Institutional Cook	Caught in or compressed by equip./objects	228
Institutional Cook	Contact with electric current	5
Institutional Cook	COE, UNS	9
Institutional Cook	COE, N.E.C.---COE, N.E.C.---Bruises, contusions	2
Institutional Cook	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	4
Institutional Cook	Contact with temperature extremes	39
Institutional Cook	Explosion	25
Institutional Cook	Exposure to caustic, noxious, or allergenic substances	2130
Institutional Cook	Exposure to harmful substances or environments, UNS	4
Institutional Cook	Exposure to harmful substances or environments, N.E.C.	0
Institutional Cook	Exposure to noise	0
Institutional Cook	Exposure to radiation	6
Institutional Cook	Fall to lower level	3341
Institutional Cook	Fall, N.E.C.	207
Institutional Cook	Fall, UNS	2
Institutional Cook	Fire--uninteded or uncontrolled	1425
Institutional Cook	Highway accident	8426
Institutional Cook	Jump to lower level	21
Institutional Cook	Nonhighway accident, except rail, air, water	1089
Institutional Cook	Other events or exposures	0
Institutional Cook	Overexertion	15
Institutional Cook	Pedestrian struck by vehicle, mobile equipment	72
Institutional Cook	Repetitive motion	0



Institutional Cook	RAFP---RAFME	10
Institutional Cook	Struck against object	3742
Institutional Cook	Struck by object	3039
Institutional Cook	Unknown	1
Institutional Cook	Assaults and violent acts by person(s)	1184
Institutional Cook	Assaults by animals	63
Institutional Cook	Bodily conditions, N.E.C.	48
Institutional Cook	BR---BCCRT---Bruises, contusions	12
Institutional Cook	BR---BCCRT---Cuts, lacerations	2
Institutional Cook	BR---BCCRT---Dislocations	86
Institutional Cook	BR---BCCRT---Fractures	230
Institutional Cook	BR---BR, N.E.C.---Bruises, contusions	4
Institutional Cook	BR---BR, N.E.C.---Fractures	23
Institutional Cook	BR---STTS UNSPEC.	2789
Institutional Cook	BR---STTS, N.E.C.	630
Institutional Cook	BR---Slipping on something-without fall	1894
Institutional Cook	BR---Stepping in hole or on object-without fall	4
Institutional Cook	BR---Sudden reaction when surprised, ..., startled	1
Institutional Cook	BR---Tripping over something-without fall	3403
Institutional Cook	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	1
Institutional Cook	BRE, N.E.C.---BRE, N.E.C.---Dislocations	6
Institutional Cook	BRE, N.E.C.---BRE, N.E.C.---Fractures	2
Institutional Cook	Caught in or compressed by equip./objects	2950
Institutional Cook	Contact with electric current	74
Institutional Cook	COE, UNS	18
Institutional Cook	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	479
Institutional Cook	COE, N.E.C.---COE, N.E.C.---Fractures	13
Institutional Cook	COE, N.E.C.---COE, N.E.C.---Heat burns, scalds, N.E.C.	0
Institutional Cook	Explosion	15
Institutional Cook	Exposure to caustic, noxious, or allergenic substances	1374
Institutional Cook	Exposure to harmful substances or environments, UNS	17
Institutional Cook	Exposure to harmful substances or environments, N.E.C.	7
Institutional Cook	Fall, UNS	2
Institutional Cook	Fire or explosion, N.E.C.	0
Institutional Cook	Fire or explosion, UNS	36
Institutional Cook	Fire--uninteded or uncontrolled	281
Institutional Cook	Highway accident	993
Institutional Cook	Jump to lower level	36
Institutional Cook	Nonhighway accident, except rail, air, water	224
Institutional Cook	Overexertion	177
Institutional Cook	Pedestrian struck by vehicle, mobile equipment	70
Institutional Cook	Repetitive motion	106
Institutional Cook	RAFP---RAFME	74
Institutional Cook	RAFP---RAFP, N.E.C.---Cuts, lacerations	4
Institutional Cook	RAFP---RAKOS---Chemical burns, N.E.C.	2
Institutional Cook	RAFP---RAOBH---Abrasions, scratches	2
Institutional Cook	RAFP---RAOBH---Amputations, fingertip	2
Institutional Cook	RAFP---RAOBH---Cuts, lacerations	64
Institutional Cook	Self-inflicted injury	40
Institutional Cook	Struck against object	4393
Institutional Cook	Unknown	2
Institutional Cook	Water vehicle accident	56
Horticultural Technician	Assaults and violent acts by person(s)	1184
Utility Arborist	Assaults and violent acts by person(s)	1184
Developmental Services Worker	Assaults by animals	323
Developmental Services Worker	Assaults and violent acts by person(s)	23
Developmental Services Worker	BR---BCCRT---Bruises, contusions	2
Developmental Services Worker	BR---BCCRT---Dislocations	32
Developmental Services Worker	BR---BCCRT---Fractures	27
Developmental Services Worker	BR---BR, N.E.C.---Blisters	2
Developmental Services Worker	BR---BR, N.E.C.---Bruises, contusions	115
Developmental Services Worker	BR---BR, N.E.C.---Fractures	28
Developmental Services Worker	BR---BR, N.E.C.---Uns tachycardia (rapid heart beat)	2

Developmental Services Worker	BR---STTS UNSPEC.	452
Developmental Services Worker	BR---STTS, N.E.C.	144
Developmental Services Worker	BR---Slipping on something-without fall	855
Developmental Services Worker	BR---Stepping in hole or on object-without fall	114
Developmental Services Worker	BR---Tripping over something-without fall	346
Developmental Services Worker	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	27
Developmental Services Worker	BRE, N.E.C.---BRE, N.E.C.---Concussions	5
Developmental Services Worker	BRE, N.E.C.---BRE, N.E.C.---Dislocations	21
Developmental Services Worker	BRE, N.E.C.---BRE, N.E.C.---Fractures	5
Developmental Services Worker	Caught in or compressed by equip./objects	228
Developmental Services Worker	Contact with electric current	5
Developmental Services Worker	COE, UNS	9
Developmental Services Worker	COE, N.E.C.---COE, N.E.C.---Bruises, contusions	2
Developmental Services Worker	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	4
Developmental Services Worker	Contact with temperature extremes	39
Developmental Services Worker	Explosion	25
Developmental Services Worker	Exposure to caustic, noxious, or allergenic substances	2130
Developmental Services Worker	Exposure to harmful substances or environments, UNS	4
Developmental Services Worker	Exposure to harmful substances or environments, N.E.C.	0
Developmental Services Worker	Exposure to noise	0
Developmental Services Worker	Exposure to radiation	6
Developmental Services Worker	Fall to lower level	3341
Developmental Services Worker	Fall, N.E.C.	207
Developmental Services Worker	Fall, UNS	2
Developmental Services Worker	Fire--uninteded or uncontrolled	1425
Developmental Services Worker	Highway accident	8426
Developmental Services Worker	Jump to lower level	21
Developmental Services Worker	Nonhighway accident, except rail, air, water	1089
Developmental Services Worker	Other events or exposures	0
Developmental Services Worker	Overexertion	15
Developmental Services Worker	Pedestrian struck by vehicle, mobile equipment	72
Developmental Services Worker	Repetitive motion	0
Developmental Services Worker	RAFP---RAFME	10
Developmental Services Worker	Struck against object	3742
Developmental Services Worker	Struck by object	3039
Developmental Services Worker	Unknown	1
Developmental Services Worker	Assaults and violent acts by person(s)	23
Parts Technician	Assaults and violent acts by person(s)	554
Educational Assistant	Assaults by animals	692
Educational Assistant	Assaults, violent acts and harassment, N.E.C.	1132
Educational Assistant	Bodily conditions, N.E.C.	712
Educational Assistant	BR & exertion, UNS---BR & exertion, UNS---Dislocations	3
Educational Assistant	BR---BCCRT---Bruises, contusions	124
Educational Assistant	BR---BCCRT---Dislocations	7
Educational Assistant	BR---BCCRT---Fractures	610
Educational Assistant	BR---BCCRT---Fractures and other injuries	0
Educational Assistant	BR---BR, N.E.C.---Bruises, contusions	10
Educational Assistant	BR---BR, N.E.C.---Dislocations	0
Educational Assistant	BR---BR, N.E.C.---Fractures	77
Educational Assistant	BR---BR, UNS---Bruises, contusions	3
Educational Assistant	BR---Running--without other incident---Fractures	11
Educational Assistant	BR---STTS UNSPEC.	385
Educational Assistant	BR---STTS, N.E.C.	856
Educational Assistant	BR---Slipping on something-without fall	2203
Educational Assistant	BR---Stepping in hole or on object-without fall	601
Educational Assistant	BR---Sudden reaction when surprised, ..., startled	15
Educational Assistant	BR---Tripping over something-without fall	594
Educational Assistant	BR---Walking--without other incident---Fractures	16
Educational Assistant	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	1
Educational Assistant	BRE, N.E.C.---BRE, N.E.C.---Concussions	152
Educational Assistant	BRE, N.E.C.---BRE, N.E.C.---Dislocations	41
Educational Assistant	BRE, N.E.C.---BRE, N.E.C.---Fractures	268
Educational Assistant	Caught in or compressed by equip./objects	448



Educational Assistant	Caught in/crushed in collapsing materials	13
Educational Assistant	Contact with electric current	49
Educational Assistant	COE, UNS	1
Educational Assistant	COE, N.E.C.---COE, N.E.C.---CD	0
Educational Assistant	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	3
Educational Assistant	Contact with temperature extremes	60
Educational Assistant	Exposure to caustic, noxious, or allergenic substances	702
Educational Assistant	Exposure to harmful substances or environments, UNS	2
Educational Assistant	Exposure to harmful substances or environments, N.E.C.	0
Educational Assistant	Exposure to noise	4
Educational Assistant	Exposure to radiation	2
Educational Assistant	Exposure to traumatic or stressful event, N.E.C.	2938
Educational Assistant	Fall to lower level	7098
Educational Assistant	Fall, N.E.C.	1148
Educational Assistant	Highway accident	2638
Educational Assistant	Jump to lower level	94
Educational Assistant	Nonhighway accident, except rail, air, water	464
Educational Assistant	Other events or exposures	18
Educational Assistant	Overexertion	11
Educational Assistant	Pedestrian struck by vehicle, mobile equipment	101
Educational Assistant	RAFP---RAFME	48
Educational Assistant	RAFP---RAFP, N.E.C.---Disorders of the skin & subcutaneous tissue, UNS	0
Educational Assistant	RAJV---Rubbed, ..., or jarred by other machine or equip.---Dizziness	1
Educational Assistant	Unknown	24
Electronic Service Technician	Assaults by animals	77
Electronic Service Technician	BR---BCCRT---Bruises, contusions	14
Electronic Service Technician	BR---BCCRT---Cuts, lacerations	2
Electronic Service Technician	BR---BCCRT---Dislocations	21
Electronic Service Technician	BR---BCCRT---Fractures	10
Electronic Service Technician	BR---BR, N.E.C.---Dislocations	6
Electronic Service Technician	BR---STTS UNSPEC.	167
Electronic Service Technician	BR---STTS, N.E.C.	31
Electronic Service Technician	BR---Slipping on something-without fall	1251
Electronic Service Technician	BR---Stepping in hole or on object-without fall	245
Electronic Service Technician	BR---Tripping over something-without fall	0
Electronic Service Technician	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	1
Electronic Service Technician	BRE, N.E.C.---BRE, N.E.C.---Fractures	22
Electronic Service Technician	Caught in or compressed by equip./objects	1428
Electronic Service Technician	Contact with electric current	9
Electronic Service Technician	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	4
Electronic Service Technician	Contact with temperature extremes	7
Electronic Service Technician	Exposure to caustic, noxious, or allergenic substances	96
Electronic Service Technician	Exposure to harmful substances or environments, N.E.C.	1
Electronic Service Technician	Exposure to traumatic or stressful event, N.E.C.	13
Electronic Service Technician	Fire or explosion, UNS	0
Electronic Service Technician	Fire--uninteded or uncontrolled	1
Electronic Service Technician	Jump to lower level	10
Electronic Service Technician	Nonhighway accident, except rail, air, water	54
Electronic Service Technician	Overexertion	513
Electronic Service Technician	Pedestrian struck by vehicle, mobile equipment	67
Electronic Service Technician	RAFP---RAFME	8
Electronic Service Technician	Self-inflicted injury	2
Electronic Service Technician	Struck against object	2144
Gemsetter/Goldsmith	Exposure to caustic, noxious, or allergenic substances	1
Gemsetter/Goldsmith	Struck by object	4
Hairstylist	Assaults by animals	4
Hairstylist	BR---BCCRT---Bruises, contusions	2
Hairstylist	BR---Slipping on something-without fall	16
Hairstylist	COE, N.E.C.---COE, N.E.C.---Abrasions, scratches	4
Hairstylist	Contact with temperature extremes	4
Hairstylist	Exposure to caustic, noxious, or allergenic substances	2
Hairstylist	Struck against object	17
Hairstylist	Assaults, violent acts and harassment, N.E.C.	2225



Hardware, Lumber and Building Materials Retailer	Assaults by animals	115
Hardware, Lumber and Building Materials Retailer	Assaults, violent acts and harassment, N.E.C.	2225
Hardware, Lumber and Building Materials Retailer	Bodily conditions, N.E.C.	1099
Hardware, Lumber and Building Materials Retailer	BR---BCCRT---Dislocations	3
Hardware, Lumber and Building Materials Retailer	BR---BCCRT---Fractures	344
Hardware, Lumber and Building Materials Retailer	BR---BCCRT---Traumatic injuries to bones, nerves, spinal cord, UNS	0
Hardware, Lumber and Building Materials Retailer	BR---BR, N.E.C.---Bruises, contusions	0
Hardware, Lumber and Building Materials Retailer	BR---BR, N.E.C.---Fractures	0
Hardware, Lumber and Building Materials Retailer	BR---STTS UNSPEC.	99
Hardware, Lumber and Building Materials Retailer	BR---STTS, N.E.C.	230
Hardware, Lumber and Building Materials Retailer	BR---Slipping on something-without fall	904
Hardware, Lumber and Building Materials Retailer	BR---Stepping in hole or on object-without fall	405
Hardware, Lumber and Building Materials Retailer	BR---Tripping over something-without fall	1057
Hardware, Lumber and Building Materials Retailer	BR---Walking--without other incident---Fractures	3
Hardware, Lumber and Building Materials Retailer	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	0
Hardware, Lumber and Building Materials Retailer	BRE, N.E.C.---BRE, N.E.C.---Dislocations	2
Hardware, Lumber and Building Materials Retailer	BRE, N.E.C.---BRE, N.E.C.---Fractures	120
Hardware, Lumber and Building Materials Retailer	BRE, N.E.C.---OLT---Concussions	28
Hardware, Lumber and Building Materials Retailer	Caught in or compressed by equip./objects	403
Hardware, Lumber and Building Materials Retailer	Caught in/crushed in collapsing materials	2
Hardware, Lumber and Building Materials Retailer	Contact with electric current	1891
Hardware, Lumber and Building Materials Retailer	COE, UNS	
Hardware, Lumber and Building Materials Retailer	COE, N.E.C.---COE, N.E.C.---FB	12
Hardware, Lumber and Building Materials Retailer	COE, N.E.C.---COE, N.E.C.---Punctures, except bites	1
Hardware, Lumber and Building Materials Retailer	Contact with temperature extremes	479
Hardware, Lumber and Building Materials Retailer	Explosion	301
Hardware, Lumber and Building Materials Retailer	Exposure to caustic, noxious, or allergenic substances	553
Hardware, Lumber and Building Materials Retailer	Exposure to noise	4
Hardware, Lumber and Building Materials Retailer	Exposure to traumatic or stressful event, N.E.C.	2324
Hardware, Lumber and Building Materials Retailer	Fall to lower level	7988
Hardware, Lumber and Building Materials Retailer	Fall, N.E.C.	44
Hardware, Lumber and Building Materials Retailer	Fall, UNS	54
Hardware, Lumber and Building Materials Retailer	Highway accident	2343
Hardware, Lumber and Building Materials Retailer	Jump to lower level	187
Hardware, Lumber and Building Materials Retailer	Nonhighway accident, except rail, air, water	1012
Hardware, Lumber and Building Materials Retailer	Overexertion	174
Hardware, Lumber and Building Materials Retailer	Pedestrian struck by vehicle, mobile equipment	533
Hardware, Lumber and Building Materials Retailer	Repetitive motion	6
Hardware, Lumber and Building Materials Retailer	RAFP---RAFME	17
Hardware, Lumber and Building Materials Retailer	RAFP---RAKOS---Cellulitis, abscess, paronychia	8
Hardware, Lumber and Building Materials Retailer	Unknown	18
Hardware, Lumber and Building Materials Retailer	Assaults and violent acts, UNS	1221
Hardware, Lumber and Building Materials Retailer	Bodily conditions, N.E.C.	9
Hardware, Lumber and Building Materials Retailer	BR---BCCRT---Bruises, contusions	31
Hardware, Lumber and Building Materials Retailer	BR---BCCRT---FB	0
Hardware, Lumber and Building Materials Retailer	BR---BCCRT---Fractures	116
Hardware, Lumber and Building Materials Retailer	BR---BR, N.E.C.---Dislocations	53
Hardware, Lumber and Building Materials Retailer	BR---STTS UNSPEC.	5
Hardware, Lumber and Building Materials Retailer	BR---STTS, N.E.C.	6
Hardware, Lumber and Building Materials Retailer	BR---Slipping on something-without fall	57
Hardware, Lumber and Building Materials Retailer	BR---Stepping in hole or on object-without fall	7
Hardware, Lumber and Building Materials Retailer	BR---Tripping over something-without fall	4
Hardware, Lumber and Building Materials Retailer	BRE, N.E.C.---BRE, N.E.C.---Fractures	2
Hardware, Lumber and Building Materials Retailer	Caught in or compressed by equip./objects	758
Hardware, Lumber and Building Materials Retailer	Contact with electric current	1
Hardware, Lumber and Building Materials Retailer	COE, N.E.C.---COE, N.E.C.---Fractures	13
Hardware, Lumber and Building Materials Retailer	Exposure to caustic, noxious, or allergenic substances	65
Hardware, Lumber and Building Materials Retailer	Exposure to radiation	2
Hardware, Lumber and Building Materials Retailer	Fall to lower level	606
Hardware, Lumber and Building Materials Retailer	Fall, N.E.C.	0
Hardware, Lumber and Building Materials Retailer	Highway accident	28
Hardware, Lumber and Building Materials Retailer	Nonhighway accident, except rail, air, water	120
Hardware, Lumber and Building Materials Retailer	Overexertion	683

Hardware, Lumber and Building Materials Retailer	RAFP---RAFME	12
Hardware, Lumber and Building Materials Retailer	Unknown	2
Horse Harness Maker	COE, N.E.C.---COE, N.E.C.---Fractures	21
Horse Harness Maker	Exposure to caustic, noxious, or allergenic substances	0
Horse Harness Maker	Fall on same level	32
Horse Harness Maker	Struck by object	20
Pool, Hot Tub and Spa - Installer	Assaults and violent acts by person(s)	2
Pool, Hot Tub and Spa - Installer	Assaults by animals	6
Pool, Hot Tub and Spa - Installer	BR---BCCRT---Bruises, contusions	2
Pool, Hot Tub and Spa - Installer	BR---BCCRT---Dislocations	42
Pool, Hot Tub and Spa - Installer	BR---STTS UNSPEC.	36
Pool, Hot Tub and Spa - Installer	BR---STTS, N.E.C.	77
Pool, Hot Tub and Spa - Installer	BR---Slipping on something-without fall	59
Pool, Hot Tub and Spa - Installer	BR---Stepping in hole or on object-without fall	253
Pool, Hot Tub and Spa - Installer	BR---Tripping over something-without fall	0
Pool, Hot Tub and Spa - Installer	Caught in/crushed in collapsing materials	32
Pool, Hot Tub and Spa - Installer	Contact with electric current	941
Pool, Hot Tub and Spa - Installer	COE, N.E.C.---COE, N.E.C.---Fractures	9
Pool, Hot Tub and Spa - Installer	Contact with temperature extremes	9
Pool, Hot Tub and Spa - Installer	Exposure to caustic, noxious, or allergenic substances	84
Pool, Hot Tub and Spa - Installer	Exposure to harmful substances or environments, UNS	1
Pool, Hot Tub and Spa - Installer	Exposure to harmful substances or environments, N.E.C.	34
Pool, Hot Tub and Spa - Installer	Exposure to radiation	1
Pool, Hot Tub and Spa - Installer	Exposure to traumatic or stressful event, N.E.C.	40
Pool, Hot Tub and Spa - Installer	Fall, N.E.C.	52
Pool, Hot Tub and Spa - Installer	Highway accident	1404
Pool, Hot Tub and Spa - Installer	Jump to lower level	711
Pool, Hot Tub and Spa - Installer	Nonhighway accident, except rail, air, water	337
Pool, Hot Tub and Spa - Installer	Overexertion	6
Pool, Hot Tub and Spa - Installer	Pedestrian struck by vehicle, mobile equipment	341
Pool, Hot Tub and Spa - Installer	RAFP---RAFME	40
Pool, Hot Tub and Spa - Installer	RAFP---RAFP, N.E.C.---Second-degree heat burns, scalds	8
Pool, Hot Tub and Spa - Installer	Struck against object	1628
Pool, Hot Tub and Spa - Service Technician	Assaults and violent acts by person(s)	2
IT - Contact Centre Customer Service Agent	Assaults by animals	22
IT - Contact Centre Customer Service Agent	Bodily conditions, N.E.C.	1
IT - Contact Centre Customer Service Agent	BR---BCCRT---Dislocations	4
IT - Contact Centre Customer Service Agent	BR---BCCRT---Fractures	446
IT - Contact Centre Customer Service Agent	BR---BR, N.E.C.---Bruises, contusions	10
IT - Contact Centre Customer Service Agent	BR---BR, N.E.C.---Fractures	126
IT - Contact Centre Customer Service Agent	BR---Running--without other incident---Fractures	0
IT - Contact Centre Customer Service Agent	BR---STTS UNSPEC.	429
IT - Contact Centre Customer Service Agent	BR---STTS, N.E.C.	431
IT - Contact Centre Customer Service Agent	BR---Slipping on something-without fall	1322
IT - Contact Centre Customer Service Agent	BR---Standing---Bruises, contusions	3
IT - Contact Centre Customer Service Agent	BR---Stepping in hole or on object-without fall	75
IT - Contact Centre Customer Service Agent	BR---Sudden reaction when surprised, ..., startled	19
IT - Contact Centre Customer Service Agent	BR---Tripping over something-without fall	735
IT - Contact Centre Customer Service Agent	BRE, N.E.C.---BRE, N.E.C.---Fractures	30
IT - Contact Centre Customer Service Agent	BRE, N.E.C.---BRE, N.E.C.---TIN, unspec	26
IT - Contact Centre Customer Service Agent	BRE, N.E.C.---OLT---Dislocations	36
IT - Contact Centre Customer Service Agent	Caught in or compressed by equip./objects	483
IT - Contact Centre Customer Service Agent	Caught in/crushed in collapsing materials	1
IT - Contact Centre Customer Service Agent	Contact with electric current	14
IT - Contact Centre Customer Service Agent	COE, N.E.C.---COE, N.E.C.---CD	7
IT - Contact Centre Customer Service Agent	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	31
IT - Contact Centre Customer Service Agent	COE, N.E.C.---COE, N.E.C.---Fractures	1
IT - Contact Centre Customer Service Agent	Contact with temperature extremes	192
IT - Contact Centre Customer Service Agent	Exposure to caustic, noxious, or allergenic substances	418
IT - Contact Centre Customer Service Agent	Exposure to harmful substances or environments, UNS	2
IT - Contact Centre Customer Service Agent	Exposure to harmful substances or environments, N.E.C.	5
IT - Contact Centre Customer Service Agent	Exposure to noise	0
IT - Contact Centre Customer Service Agent	Exposure to traumatic or stressful event, N.E.C.	1101



IT - Contact Centre Customer Service Agent	Fall to lower level	4733
IT - Contact Centre Customer Service Agent	Fall, N.E.C.	1
IT - Contact Centre Customer Service Agent	Highway accident	1066
IT - Contact Centre Customer Service Agent	Jump to lower level	182
IT - Contact Centre Customer Service Agent	Nonhighway accident, except rail, air, water	365
IT - Contact Centre Customer Service Agent	Other events or exposures	1
IT - Contact Centre Customer Service Agent	Overexertion	1038
IT - Contact Centre Customer Service Agent	Pedestrian struck by vehicle, mobile equipment	128
IT - Contact Centre Customer Service Agent	Railway accident	22
IT - Contact Centre Customer Service Agent	RAFP---RAFME	29
IT - Contact Centre Customer Service Agent	Self-inflicted injury	3
IT - Contact Centre Customer Service Agent	Assaults and violent acts, UNS	1189
IT - Contact Centre Sales Agent	Assaults by animals	22
IT - Contact Centre Sales Agent	Bodily conditions, N.E.C.	1
IT - Contact Centre Sales Agent	BR---BCCRT---Dislocations	4
IT - Contact Centre Sales Agent	BR---BCCRT---Fractures	446
IT - Contact Centre Sales Agent	BR---BR, N.E.C.---Bruises, contusions	10
IT - Contact Centre Sales Agent	BR---BR, N.E.C.---Fractures	126
IT - Contact Centre Sales Agent	BR---Running--without other incident---Fractures	0
IT - Contact Centre Sales Agent	BR---STTS UNSPEC.	429
IT - Contact Centre Sales Agent	BR---STTS, N.E.C.	431
IT - Contact Centre Sales Agent	BR---Slipping on something-without fall	1322
IT - Contact Centre Sales Agent	BR---Standing---Bruises, contusions	3
IT - Contact Centre Sales Agent	BR---Stepping in hole or on object-without fall	75
IT - Contact Centre Sales Agent	BR---Sudden reaction when surprised, startled	19
IT - Contact Centre Sales Agent	BR---Tripping over something-without fall	735
IT - Contact Centre Sales Agent	BRE, N.E.C.---BRE, N.E.C.---Fractures	30
IT - Contact Centre Sales Agent	BRE, N.E.C.---BRE, N.E.C.---TIN, unspec	26
IT - Contact Centre Sales Agent	BRE, N.E.C.---OLT---Dislocations	36
IT - Contact Centre Sales Agent	Caught in or compressed by equip./objects	483
IT - Contact Centre Sales Agent	Caught in/crushed in collapsing materials	1
IT - Contact Centre Sales Agent	Contact with electric current	14
IT - Contact Centre Sales Agent	COE, N.E.C.---COE, N.E.C.---CD	7
IT - Contact Centre Sales Agent	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	31
IT - Contact Centre Sales Agent	COE, N.E.C.---COE, N.E.C.---Fractures	1
IT - Contact Centre Sales Agent	Contact with temperature extremes	192
IT - Contact Centre Sales Agent	Exposure to caustic, noxious, or allergenic substances	418
IT - Contact Centre Sales Agent	Exposure to harmful substances or environments, UNS	2
IT - Contact Centre Sales Agent	Exposure to harmful substances or environments, N.E.C.	5
IT - Contact Centre Sales Agent	Exposure to noise	0
IT - Contact Centre Sales Agent	Exposure to traumatic or stressful event, N.E.C.	1101
IT - Contact Centre Sales Agent	Fall to lower level	4733
IT - Contact Centre Sales Agent	Fall, N.E.C.	1
IT - Contact Centre Sales Agent	Highway accident	1066
IT - Contact Centre Sales Agent	Jump to lower level	182
IT - Contact Centre Sales Agent	Nonhighway accident, except rail, air, water	365
IT - Contact Centre Sales Agent	Other events or exposures	1
IT - Contact Centre Sales Agent	Overexertion	1038
IT - Contact Centre Sales Agent	Pedestrian struck by vehicle, mobile equipment	128
IT - Contact Centre Sales Agent	Railway accident	22
IT - Contact Centre Sales Agent	RAFP---RAFME	29
IT - Contact Centre Sales Agent	Self-inflicted injury	3
IT - Contact Centre Sales Agent	Assaults, violent acts and harassment, N.E.C.	22
IT - Contact Centre Sales Agent	Assaults by animals	63
IT - Contact Centre Sales Agent	Bodily conditions, N.E.C.	48
IT - Contact Centre Sales Agent	BR---BCCRT---Bruises, contusions	12
IT - Contact Centre Sales Agent	BR---BCCRT---Cuts, lacerations	2
IT - Contact Centre Sales Agent	BR---BCCRT---Dislocations	86
IT - Contact Centre Sales Agent	BR---BCCRT---Fractures	230
IT - Contact Centre Sales Agent	BR---BR, N.E.C.---Bruises, contusions	4
IT - Contact Centre Sales Agent	BR---BR, N.E.C.---Fractures	23
IT - Contact Centre Sales Agent	BR---STTS UNSPEC.	2789
IT - Contact Centre Sales Agent	BR---STTS, N.E.C.	630



IT - Contact Centre Sales Agent	BR---Slipping on something-without fall	1894
IT - Contact Centre Sales Agent	BR---Stepping in hole or on object-without fall	4
IT - Contact Centre Sales Agent	BR---Sudden reaction when surprised, ..., startled	1
IT - Contact Centre Sales Agent	BR---Tripping over something-without fall	3403
IT - Contact Centre Sales Agent	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	1
IT - Contact Centre Sales Agent	BRE, N.E.C.---BRE, N.E.C.---Dislocations	6
IT - Contact Centre Sales Agent	BRE, N.E.C.---BRE, N.E.C.---Fractures	2
IT - Contact Centre Sales Agent	Caught in or compressed by equip./objects	2950
IT - Contact Centre Sales Agent	Contact with electric current	74
IT - Contact Centre Sales Agent	COE, UNS	18
IT - Contact Centre Sales Agent	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	479
IT - Contact Centre Sales Agent	COE, N.E.C.---COE, N.E.C.---Fractures	13
IT - Contact Centre Sales Agent	COE, N.E.C.---COE, N.E.C.---Heat burns, scalds, N.E.C.	0
IT - Contact Centre Sales Agent	Explosion	15
IT - Contact Centre Sales Agent	Exposure to caustic, noxious, or allergenic substances	1374
IT - Contact Centre Sales Agent	Exposure to harmful substances or environments, UNS	17
IT - Contact Centre Sales Agent	Exposure to harmful substances or environments, N.E.C.	7
IT - Contact Centre Sales Agent	Fall, UNS	2
IT - Contact Centre Sales Agent	Fire or explosion, N.E.C.	0
IT - Contact Centre Sales Agent	Fire or explosion, UNS	36
IT - Contact Centre Sales Agent	Fire--unintended or uncontrolled	281
IT - Contact Centre Sales Agent	Highway accident	993
IT - Contact Centre Sales Agent	Jump to lower level	36
IT - Contact Centre Sales Agent	Nonhighway accident, except rail, air, water	224
IT - Contact Centre Sales Agent	Overexertion	177
IT - Contact Centre Sales Agent	Pedestrian struck by vehicle, mobile equipment	70
IT - Contact Centre Sales Agent	Repetitive motion	106
IT - Contact Centre Sales Agent	RAFP---RAFME	74
IT - Contact Centre Sales Agent	RAFP---RAFP, N.E.C.---Cuts, lacerations	4
IT - Contact Centre Sales Agent	RAFP---RAKOS---Chemical burns, N.E.C.	2
IT - Contact Centre Sales Agent	RAFP---RAOBH---Abrasions, scratches	2
IT - Contact Centre Sales Agent	RAFP---RAOBH---Amputations, fingertip	2
IT - Contact Centre Sales Agent	RAFP---RAOBH---Cuts, lacerations	64
IT - Contact Centre Sales Agent	Self-inflicted injury	40
IT - Contact Centre Sales Agent	Struck against object	4393
IT - Contact Centre Sales Agent	Unknown	2
IT - Contact Centre Sales Agent	Water vehicle accident	56
IT - Contact Centre Sales Agent	Assaults and violent acts, UNS	1189
IT - Contact Centre Sales Agent	BR---BCCRT---Bruises, contusions	2
IT - Contact Centre Sales Agent	BR---BCCRT---Cuts, lacerations	3
IT - Contact Centre Sales Agent	BR---BR, N.E.C.---Fractures	12
IT - Contact Centre Sales Agent	BR---Slipping on something-without fall	9
IT - Contact Centre Sales Agent	BR---Tripping over something-without fall	9
IT - Contact Centre Sales Agent	Caught in or compressed by equip./objects	51
IT - Contact Centre Sales Agent	Contact with electric current	17
IT - Contact Centre Sales Agent	COE, UNS	2
IT - Contact Centre Sales Agent	Contact with temperature extremes	2
IT - Contact Centre Sales Agent	Exposure to harmful substances or environments, N.E.C.	2
IT - Contact Centre Sales Agent	Highway accident	94
IT - Contact Centre Sales Agent	Jump to lower level	5
IT - Contact Centre Sales Agent	Nonhighway accident, except rail, air, water	7
IT - Contact Centre Sales Agent	Overexertion	81
IT - Contact Centre Sales Agent	RAFP---RAFME	2
IT - Contact Centre Sales Agent	Struck against object	216
IT - Contact Centre Sales Agent	Struck by object	169
Native Clothing and Crafts Artisan	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	11
Native Clothing and Crafts Artisan	Exposure to harmful substances or environments, N.E.C.	0
Native Clothing and Crafts Artisan	Nonhighway accident, except rail, air, water	7
Native Clothing and Crafts Artisan	Overexertion	10
Native Clothing and Crafts Artisan	RAFP---RAFME	1
Native Clothing and Crafts Artisan	Struck against object	3
Native Clothing and Crafts Artisan	Assaults, violent acts and harassment, N.E.C.	22
Native Clothing and Crafts Artisan	Assaults by animals	1



Native Clothing and Crafts Artisan	BR---BCCRT---Bruises, contusions	1
Native Clothing and Crafts Artisan	BR---BCCRT---Dislocations	1
Native Clothing and Crafts Artisan	BR---BCCRT---Fractures	21
Native Clothing and Crafts Artisan	BR---BR, N.E.C.---Bruises, contusions	3
Native Clothing and Crafts Artisan	BR---BR, N.E.C.---Fractures	12
Native Clothing and Crafts Artisan	BR---STTS UNSPEC.	146
Native Clothing and Crafts Artisan	BR---STTS, N.E.C.	114
Native Clothing and Crafts Artisan	BR---Stepping in hole or on object-without fall	123
Native Clothing and Crafts Artisan	BR---Tripping over something-without fall	0
Native Clothing and Crafts Artisan	BRE, N.E.C.---BRE, N.E.C.---Crushing injuries	21
Native Clothing and Crafts Artisan	Caught in or compressed by equip./objects	174
Native Clothing and Crafts Artisan	Caught in/crushed in collapsing materials	9
Native Clothing and Crafts Artisan	Contact with electric current	218
Native Clothing and Crafts Artisan	COE, UNS	3
Native Clothing and Crafts Artisan	Contact with temperature extremes	0
Native Clothing and Crafts Artisan	Exposure to caustic, noxious, or allergenic substances	48
Native Clothing and Crafts Artisan	Exposure to traumatic or stressful event, N.E.C.	411
Native Clothing and Crafts Artisan	Highway accident	233
Native Clothing and Crafts Artisan	Jump to lower level	31
Native Clothing and Crafts Artisan	Nonhighway accident, except rail, air, water	260
Native Clothing and Crafts Artisan	Overexertion	43
Native Clothing and Crafts Artisan	Pedestrian struck by vehicle, mobile equipment	6
Native Clothing and Crafts Artisan	RAFP---RAFME	22
Native Clothing and Crafts Artisan	Struck against object	561
Native Clothing and Crafts Artisan	Assaults and violent acts, UNS	1189
Native Clothing and Crafts Artisan	BR---BCCRT---Bruises, contusions	267
Native Clothing and Crafts Artisan	BR---BCCRT---Dislocations	13
Native Clothing and Crafts Artisan	BR---BCCRT---Fractures	316
Native Clothing and Crafts Artisan	BR---BR, N.E.C.---Avulsions	0
Native Clothing and Crafts Artisan	BR---STTS UNSPEC.	7
Native Clothing and Crafts Artisan	BR---STTS, N.E.C.	312
Native Clothing and Crafts Artisan	BR---Slipping on something-without fall	200
Native Clothing and Crafts Artisan	BR---Stepping in hole or on object-without fall	6
Native Clothing and Crafts Artisan	BR---Tripping over something-without fall	6
Native Clothing and Crafts Artisan	BRE, N.E.C.---BRE, N.E.C.---Fractures	727
Native Clothing and Crafts Artisan	Caught in or compressed by equip./objects	210
Native Clothing and Crafts Artisan	Caught in/crushed in collapsing materials	6
Native Clothing and Crafts Artisan	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	1
Native Clothing and Crafts Artisan	Contact with temperature extremes	13
Native Clothing and Crafts Artisan	Exposure to caustic, noxious, or allergenic substances	54
Native Clothing and Crafts Artisan	Exposure to harmful substances or environments, UNS	3
Native Clothing and Crafts Artisan	Exposure to traumatic or stressful event, N.E.C.	30
Native Clothing and Crafts Artisan	Highway accident	52
Native Clothing and Crafts Artisan	Jump to lower level	29
Native Clothing and Crafts Artisan	Nonhighway accident, except rail, air, water	26
Native Clothing and Crafts Artisan	Overexertion	71
Native Clothing and Crafts Artisan	Pedestrian struck by vehicle, mobile equipment	995
Native Clothing and Crafts Artisan	RAFP---RAFME	8
Native Clothing and Crafts Artisan	Self-inflicted injury	1
Native Clothing and Crafts Artisan	Assaults, violent acts and harassment, N.E.C.	22
Native Clothing and Crafts Artisan	Assaults by animals	0
Native Clothing and Crafts Artisan	BR---BCCRT---Bruises, contusions	0
Native Clothing and Crafts Artisan	BR---BCCRT---Fractures	601
Native Clothing and Crafts Artisan	BR---BR, N.E.C.---Bruises, contusions	49
Native Clothing and Crafts Artisan	BR---BR, N.E.C.---Dislocations	8
Native Clothing and Crafts Artisan	BR---BR, N.E.C.---Fractures	107
Native Clothing and Crafts Artisan	BR---STTS UNSPEC.	642
Native Clothing and Crafts Artisan	BR---STTS, N.E.C.	960
Native Clothing and Crafts Artisan	BR---Slipping on something-without fall	1293
Native Clothing and Crafts Artisan	BR---Stepping in hole or on object-without fall	506
Native Clothing and Crafts Artisan	BR---Sudden reaction when surprised, ..., startled	1
Native Clothing and Crafts Artisan	BR---Tripping over something-without fall	168
Native Clothing and Crafts Artisan	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	0



Native Clothing and Crafts Artisan	BRE, N.E.C.---BRE, N.E.C.---Cuts, lacerations	0
Native Clothing and Crafts Artisan	BRE, N.E.C.---BRE, N.E.C.---Dislocations	0
Native Clothing and Crafts Artisan	BRE, N.E.C.---BRE, N.E.C.---Fractures	553
Native Clothing and Crafts Artisan	Caught in or compressed by equip./objects	3924
Native Clothing and Crafts Artisan	Caught in/crushed in collapsing materials	113
Native Clothing and Crafts Artisan	Contact with electric current	1998
Native Clothing and Crafts Artisan	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	215
Native Clothing and Crafts Artisan	Contact with temperature extremes	35
Native Clothing and Crafts Artisan	Explosion	27
Native Clothing and Crafts Artisan	Exposure to caustic, noxious, or allergenic substances	1240
Native Clothing and Crafts Artisan	Exposure to traumatic or stressful event, N.E.C.	21
Native Clothing and Crafts Artisan	Fall, N.E.C.	51
Native Clothing and Crafts Artisan	Fall, UNS	212
Native Clothing and Crafts Artisan	Fire or explosion, N.E.C.	0
Native Clothing and Crafts Artisan	Fire--uninteded or uncontrolled	9
Native Clothing and Crafts Artisan	Highway accident	4050
Native Clothing and Crafts Artisan	Jump to lower level	481
Native Clothing and Crafts Artisan	Nonhighway accident, except rail, air, water	105
Native Clothing and Crafts Artisan	Overexertion	905
Native Clothing and Crafts Artisan	Pedestrian struck by vehicle, mobile equipment	342
Native Clothing and Crafts Artisan	RAFP---RAFME	55
Native Clothing and Crafts Artisan	RAFP---RAFP, N.E.C.---Blisters	5
Native Clothing and Crafts Artisan	RAFP---RAFP, N.E.C.---Cuts, lacerations	4
Native Clothing and Crafts Artisan	RAFP---RAKOS---Abrasions, scratches	4
Native Clothing and Crafts Artisan	RAFP---RAKOS---Cellulitis, abscess, paronychia	6
Native Clothing and Crafts Artisan	RAFP---RAOBH---Cuts, lacerations	4
Native Clothing and Crafts Artisan	RAFP---RAOBH---Friction burns	5
Native Clothing and Crafts Artisan	Self-inflicted injury	1
Native Clothing and Crafts Artisan	Transportation accident, UNS	4
Native Clothing and Crafts Artisan	Assaults and violent acts, UNS	1001
Native Clothing and Crafts Artisan	Assaults by animals	0
Native Clothing and Crafts Artisan	BR---BCCRT---Bruises, contusions	0
Native Clothing and Crafts Artisan	BR---BCCRT---Fractures	601
Native Clothing and Crafts Artisan	BR---BR, N.E.C.---Bruises, contusions	49
Native Clothing and Crafts Artisan	BR---BR, N.E.C.---Dislocations	8
Native Clothing and Crafts Artisan	BR---BR, N.E.C.---Fractures	107
Native Clothing and Crafts Artisan	BR---STTS UNSPEC.	642
Native Clothing and Crafts Artisan	BR---STTS, N.E.C.	960
Native Clothing and Crafts Artisan	BR---Slipping on something-without fall	1293
Native Clothing and Crafts Artisan	BR---Stepping in hole or on object-without fall	506
Native Clothing and Crafts Artisan	BR---Sudden reaction when surprised, ..., startled	1
Native Clothing and Crafts Artisan	BR---Tripping over something-without fall	168
Native Clothing and Crafts Artisan	BRE, N.E.C.---BRE, N.E.C.---Bruises, contusions	0
Native Clothing and Crafts Artisan	BRE, N.E.C.---BRE, N.E.C.---Cuts, lacerations	0
Native Clothing and Crafts Artisan	BRE, N.E.C.---BRE, N.E.C.---Dislocations	0
Native Clothing and Crafts Artisan	BRE, N.E.C.---BRE, N.E.C.---Fractures	553
Native Clothing and Crafts Artisan	Caught in or compressed by equip./objects	3924
Native Clothing and Crafts Artisan	Caught in/crushed in collapsing materials	113
Native Clothing and Crafts Artisan	Contact with electric current	1998
Native Clothing and Crafts Artisan	COE, N.E.C.---COE, N.E.C.---Cuts, lacerations	215
Native Clothing and Crafts Artisan	Contact with temperature extremes	35
Native Clothing and Crafts Artisan	Explosion	27
Native Clothing and Crafts Artisan	Exposure to caustic, noxious, or allergenic substances	1240
Native Clothing and Crafts Artisan	Exposure to traumatic or stressful event, N.E.C.	21
Native Clothing and Crafts Artisan	Fall, N.E.C.	51
Native Clothing and Crafts Artisan	Fall, UNS	212
Native Clothing and Crafts Artisan	Fire or explosion, N.E.C.	0
Native Clothing and Crafts Artisan	Fire--uninteded or uncontrolled	9
Native Clothing and Crafts Artisan	Highway accident	4050
Native Clothing and Crafts Artisan	Jump to lower level	481
Native Clothing and Crafts Artisan	Nonhighway accident, except rail, air, water	105
Native Clothing and Crafts Artisan	Overexertion	905
Native Clothing and Crafts Artisan	Pedestrian struck by vehicle, mobile equipment	342



Native Clothing and Crafts Artisan	RAFP---RAFME	55
Native Clothing and Crafts Artisan	RAFP---RAFP, N.E.C.---Blisters	5
Native Clothing and Crafts Artisan	RAFP---RAFP, N.E.C.---Cuts, lacerations	4
Native Clothing and Crafts Artisan	RAFP---RAKOS---Abrasions, scratches	4
Native Clothing and Crafts Artisan	RAFP---RAKOS---Cellulitis, abscess, paronychia	6
Native Clothing and Crafts Artisan	RAFP---RAOBH---Cuts, lacerations	4
Native Clothing and Crafts Artisan	RAFP---RAOBH---Friction burns	5
Native Clothing and Crafts Artisan	Self-inflicted injury	1
Native Clothing and Crafts Artisan	Transportation accident, UNS	4
Native Clothing and Crafts Artisan	Assaults and violent acts, UNS	1001
Native Clothing and Crafts Artisan	Assaults by animals	893
Native Clothing and Crafts Artisan	BR---BCCRT---Dislocations	1
Native Clothing and Crafts Artisan	BR---BCCRT---Fractures	7
Native Clothing and Crafts Artisan	BR---BR, N.E.C.---Bruises, contusions	4
Native Clothing and Crafts Artisan	BR---STTS UNSPEC.	3
Native Clothing and Crafts Artisan	BR---STTS, N.E.C.	562
Native Clothing and Crafts Artisan	BR---Slipping on something-without fall	131
Native Clothing and Crafts Artisan	BR---Stepping in hole or on object-without fall	0
Native Clothing and Crafts Artisan	BR---Tripping over something-without fall	1
Native Clothing and Crafts Artisan	Contact with electric current	2
Native Clothing and Crafts Artisan	Contact with temperature extremes	10
Native Clothing and Crafts Artisan	Exposure to caustic, noxious, or allergenic substances	20
Native Clothing and Crafts Artisan	Fall to lower level	297
Native Clothing and Crafts Artisan	Overexertion	5
Native Clothing and Crafts Artisan	Pedestrian struck by vehicle, mobile equipment	13
Native Clothing and Crafts Artisan	RAFP---RAFME	2
Native Clothing and Crafts Artisan	Self-inflicted injury	1
Saddlery	COE, N.E.C.---COE, N.E.C.---Fractures	21
Saddlery	Exposure to caustic, noxious, or allergenic substances	0
Saddlery	Fall on same level	32
Saddlery	Struck by object	20
Special Events Coordinator	BR---Tripping over something-without fall	0
Special Events Coordinator	Caught in or compressed by equip./objects	1
Special Events Coordinator	Contact with temperature extremes	12
Special Events Coordinator	Exposure to caustic, noxious, or allergenic substances	2
Special Events Coordinator	Fall to lower level	33
Special Events Coordinator	Nonhighway accident, except rail, air, water	12
Special Events Coordinator	Struck against object	17
Special Events Coordinator	Assaults, violent acts and harassment, N.E.C.	589
Special Events Coordinator	Assaults by animals	6
Special Events Coordinator	BR---BCCRT---Bruises, contusions	2
Special Events Coordinator	BR---BCCRT---Dislocations	42
Special Events Coordinator	BR---STTS UNSPEC.	36
Special Events Coordinator	BR---STTS, N.E.C.	77
	BR---Slipping on something-without fall	59
	BR---Stepping in hole or on object-without fall	253
	BR---Tripping over something-without fall	0
	Caught in/crushed in collapsing materials	32
	Contact with electric current	941
	COE, N.E.C.---COE, N.E.C.---Fractures	9
	Contact with temperature extremes	9
	Exposure to caustic, noxious, or allergenic substances	84
	Exposure to harmful substances or environments, UNS	1
	Exposure to harmful substances or environments, N.E.C.	34
	Exposure to radiation	1
	Exposure to traumatic or stressful event, N.E.C.	40
	Fall, N.E.C.	52
	Highway accident	1404
	Jump to lower level	711
	Nonhighway accident, except rail, air, water	337
	Overexertion	6
	Pedestrian struck by vehicle, mobile equipment	341
	RAFP---RAFME	40

RAFP---RAFP, N.E.C.---Second-degree heat burns, scalds
Struck against object

8
1628

Table B.4. Body parts in the *Other* category (MSD claims)

Trade	Body part	Claims (% Total)
Aboriginal Child Development Practitioner	Abdomen	0.7
Aboriginal Child Development Practitioner	Arm(s)	1.53
Aboriginal Child Development Practitioner	Chest, including ribs, internal organs	0.7
Aboriginal Child Development Practitioner	Finger(s), fingernail(s)	0.84
Aboriginal Child Development Practitioner	Foot(feet), except toe(s)	2.09
Aboriginal Child Development Practitioner	Lower extremities, n.e.c.	0.14
Aboriginal Child Development Practitioner	Multiple body parts	7.39
Aboriginal Child Development Practitioner	Multiple lower extremities locations	0.7
Aboriginal Child Development Practitioner	Multiple trunk locations	2.09
Aboriginal Child Development Practitioner	Multiple upper extremities locations	0.84
Aboriginal Child Development Practitioner	Neck, except internal location of diseases or disorders	1.67
Aboriginal Child Development Practitioner	Pelvic region	1.39
Aboriginal Child Development Practitioner	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	6.14
Aboriginal Child Development Practitioner	Toe(s), toenail(s)	0.14
Aboriginal Child Development Practitioner	Upper extremities, n.e.c.	0.14
Aboriginal Child Development Practitioner	Wrist(s)	0.98
Agricultural - Fruit Grower	Ankle(s)	3.45
Agricultural - Fruit Grower	Arm(s)	3.45
Agricultural - Fruit Grower	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	3.45
Appliance Service Technician	Abdomen	0.88
Appliance Service Technician	Ankle(s)	3.51
Appliance Service Technician	Arm(s)	3.51
Appliance Service Technician	Finger(s), fingernail(s)	1.75
Appliance Service Technician	Foot(feet), except toe(s)	0.88
Appliance Service Technician	Multiple body parts	1.75
Appliance Service Technician	Multiple trunk locations	1.75
Appliance Service Technician	Multiple upper extremities locations	0.88
Appliance Service Technician	Neck, except internal location of diseases or disorders	3.51
Appliance Service Technician	Pelvic region	2.63
Appliance Service Technician	Wrist(s)	3.51
Arborist	Abdomen	0.41
Arborist	Ankle(s)	4.9
Arborist	Arm(s)	8.16
Arborist	Chest, including ribs, internal organs	1.63
Arborist	Finger(s), fingernail(s)	0.82
Arborist	Foot(feet), except toe(s)	0.41
Arborist	Hand(s), except finger(s)	0.82
Arborist	Multiple body parts	8.16
Arborist	Multiple lower extremities locations	0.41
Arborist	Multiple trunk locations	1.63
Arborist	Multiple upper extremities locations	0.82
Arborist	Neck, except internal location of diseases or disorders	0.82
Arborist	Pelvic region	2.86
Arborist	Wrist(s)	3.27
Assistant Cook	Abdomen	1.34
Assistant Cook	Ankle(s)	2.78
Assistant Cook	Arm(s)	4.74
Assistant Cook	Chest, including ribs, internal organs	1.03
Assistant Cook	Finger(s), fingernail(s)	1.86
Assistant Cook	Foot(feet), except toe(s)	0.52
Assistant Cook	Hand(s), except finger(s)	0.72
Assistant Cook	Multiple body parts	4.33
Assistant Cook	Multiple lower extremities locations	0.93
Assistant Cook	Multiple trunk locations	1.75
Assistant Cook	Multiple upper extremities locations	2.06
Assistant Cook	Neck, except internal location of diseases or disorders	1.03
Assistant Cook	Pelvic region	1.44
Assistant Cook	Wrist(s)	6.29

Baker	Abdomen	0.91
Baker	Ankle(s)	0.91
Baker	Arm(s)	4.86
Baker	Chest, including ribs, internal organs	1.22
Baker	Finger(s), fingernail(s)	2.74
Baker	Foot(feet), except toe(s)	0.61
Baker	Hand(s), except finger(s)	1.22
Baker	Leg(s)	4.26
Baker	Multiple body parts	5.78
Baker	Multiple trunk locations	2.74
Baker	Multiple upper extremities locations	3.95
Baker	Neck, except internal location of diseases or disorders	0.61
Baker	Pelvic region	2.43
Baker-Patissier	Abdomen	0.91
Baker-Patissier	Ankle(s)	0.91
Baker-Patissier	Arm(s)	4.86
Baker-Patissier	Chest, including ribs, internal organs	1.22
Baker-Patissier	Finger(s), fingernail(s)	2.74
Baker-Patissier	Foot(feet), except toe(s)	0.61
Baker-Patissier	Hand(s), except finger(s)	1.22
Baker-Patissier	Leg(s)	4.26
Baker-Patissier	Multiple body parts	5.78
Baker-Patissier	Multiple trunk locations	2.74
Baker-Patissier	Multiple upper extremities locations	3.95
Baker-Patissier	Neck, except internal location of diseases or disorders	0.61
Baker-Patissier	Pelvic region	2.43
Bicycle Mechanic	Abdomen	1.48
Bicycle Mechanic	Ankle(s)	4.44
Bicycle Mechanic	Arm(s)	6.17
Bicycle Mechanic	Chest, including ribs, internal organs	1.23
Bicycle Mechanic	Finger(s), fingernail(s)	0.49
Bicycle Mechanic	Foot(feet), except toe(s)	0.25
Bicycle Mechanic	Hand(s), except finger(s)	0.99
Bicycle Mechanic	Multiple body parts	7.41
Bicycle Mechanic	Multiple lower extremities locations	0.49
Bicycle Mechanic	Multiple trunk locations	1.48
Bicycle Mechanic	Multiple upper extremities locations	2.72
Bicycle Mechanic	Neck, except internal location of diseases or disorders	1.48
Bicycle Mechanic	Pelvic region	2.47
Bicycle Mechanic	Wrist(s)	3.21
Chef	Abdomen	1.6
Chef	Ankle(s)	1.6
Chef	Finger(s), fingernail(s)	0.8
Chef	Leg(s)	4
Chef	Multiple body parts	4.8
Chef	Multiple lower extremities locations	0.8
Chef	Multiple trunk locations	0.8
Chef	Multiple upper extremities locations	1.6
Chef	Wrist(s)	5.6
Child and Youth Worker	Abdomen	0.3
Child and Youth Worker	Ankle(s)	8.1
Child and Youth Worker	Arm(s)	2.2
Child and Youth Worker	Body systems	0.1
Child and Youth Worker	Chest, including ribs, internal organs	1
Child and Youth Worker	Finger(s), fingernail(s)	1.3
Child and Youth Worker	Foot(feet), except toe(s)	1.4
Child and Youth Worker	Hand(s), except finger(s)	0.3
Child and Youth Worker	Head, uns.	0.1
Child and Youth Worker	Lower extremities, n.e.c.	0.1
Child and Youth Worker	Multiple lower extremities locations	1.2
Child and Youth Worker	Multiple trunk locations	4.2
Child and Youth Worker	Multiple upper extremities locations	1.3
Child and Youth Worker	Neck, except internal location of diseases or disorders	2.3

Child and Youth Worker	Pelvic region	1.1
Child and Youth Worker	Wrist(s)	2.7
Child Development Practitioner	Abdomen	0.7
Child Development Practitioner	Arm(s)	1.53
Child Development Practitioner	Chest, including ribs, internal organs	0.7
Child Development Practitioner	Finger(s), fingernail(s)	0.84
Child Development Practitioner	Foot(feet), except toe(s)	2.09
Child Development Practitioner	Lower extremities, n.e.c.	0.14
Child Development Practitioner	Multiple body parts	7.39
Child Development Practitioner	Multiple lower extremities locations	0.7
Child Development Practitioner	Multiple trunk locations	2.09
Child Development Practitioner	Multiple upper extremities locations	0.84
Child Development Practitioner	Neck, except internal location of diseases or disorders	1.67
Child Development Practitioner	Pelvic region	1.39
Child Development Practitioner	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	6.14
Child Development Practitioner	Toe(s), toenail(s)	0.14
Child Development Practitioner	Upper extremities, n.e.c.	0.14
Child Development Practitioner	Wrist(s)	0.98
Child Development Practitioner - Inclusion Practices	Abdomen	0.7
Child Development Practitioner - Inclusion Practices	Arm(s)	1.53
Child Development Practitioner - Inclusion Practices	Chest, including ribs, internal organs	0.7
Child Development Practitioner - Inclusion Practices	Finger(s), fingernail(s)	0.84
Child Development Practitioner - Inclusion Practices	Foot(feet), except toe(s)	2.09
Child Development Practitioner - Inclusion Practices	Lower extremities, n.e.c.	0.14
Child Development Practitioner - Inclusion Practices	Multiple body parts	7.39
Child Development Practitioner - Inclusion Practices	Multiple lower extremities locations	0.7
Child Development Practitioner - Inclusion Practices	Multiple trunk locations	2.09
Child Development Practitioner - Inclusion Practices	Multiple upper extremities locations	0.84
Child Development Practitioner - Inclusion Practices	Neck, except internal location of diseases or disorders	1.67
Child Development Practitioner - Inclusion Practices	Pelvic region	1.39
Child Development Practitioner - Inclusion Practices	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	6.14
Child Development Practitioner - Inclusion Practices	Toe(s), toenail(s)	0.14
Child Development Practitioner - Inclusion Practices	Upper extremities, n.e.c.	0.14
Child Development Practitioner - Inclusion Practices	Wrist(s)	0.98
Cook	Abdomen	1.34
Cook	Ankle(s)	2.78
Cook	Arm(s)	4.74
Cook	Chest, including ribs, internal organs	1.03
Cook	Finger(s), fingernail(s)	1.86
Cook	Foot(feet), except toe(s)	0.52
Cook	Hand(s), except finger(s)	0.72
Cook	Multiple body parts	4.33
Cook	Multiple lower extremities locations	0.93
Cook	Multiple trunk locations	1.75
Cook	Multiple upper extremities locations	2.06
Cook	Neck, except internal location of diseases or disorders	1.03
Cook	Pelvic region	1.44
Cook	Wrist(s)	6.29
Developmental Services Worker	Abdomen	0.3
Developmental Services Worker	Ankle(s)	8.1
Developmental Services Worker	Arm(s)	2.2
Developmental Services Worker	Body systems	0.1
Developmental Services Worker	Chest, including ribs, internal organs	1
Developmental Services Worker	Finger(s), fingernail(s)	1.3
Developmental Services Worker	Foot(feet), except toe(s)	1.4
Developmental Services Worker	Hand(s), except finger(s)	0.3
Developmental Services Worker	Head, uns.	0.1
Developmental Services Worker	Lower extremities, n.e.c.	0.1
Developmental Services Worker	Multiple lower extremities locations	1.2
Developmental Services Worker	Multiple trunk locations	4.2
Developmental Services Worker	Multiple upper extremities locations	1.3
Developmental Services Worker	Neck, except internal location of diseases or disorders	2.3
Developmental Services Worker	Pelvic region	1.1

Developmental Services Worker	Wrist(s)	2.7
Educational Assistant	Abdomen	0.35
Educational Assistant	Ankle(s)	7.98
Educational Assistant	Arm(s)	1.53
Educational Assistant	Chest, including ribs, internal organs	0.62
Educational Assistant	Finger(s), fingernail(s)	0.97
Educational Assistant	Foot(feet), except toe(s)	1.73
Educational Assistant	Hand(s), except finger(s)	0.28
Educational Assistant	Head, uns.	0.07
Educational Assistant	Multiple internal neck locations	0.07
Educational Assistant	Multiple lower extremities locations	1.11
Educational Assistant	Multiple trunk locations	3.05
Educational Assistant	Multiple upper extremities locations	1.46
Educational Assistant	Neck, except internal location of diseases or disorders	2.15
Educational Assistant	Pelvic region	1.8
Educational Assistant	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	7.7
Educational Assistant	Toe(s), toenail(s)	0.14
Educational Assistant	Upper extremities, uns.	0.07
Educational Assistant	Wrist(s)	1.94
Electronic Service Technician	Abdomen	0.99
Electronic Service Technician	Ankle(s)	3.62
Electronic Service Technician	Arm(s)	3.29
Electronic Service Technician	Chest, including ribs, internal organs	0.99
Electronic Service Technician	Finger(s), fingernail(s)	0.99
Electronic Service Technician	Foot(feet), except toe(s)	0.99
Electronic Service Technician	Multiple body parts	5.92
Electronic Service Technician	Multiple lower extremities locations	0.33
Electronic Service Technician	Multiple trunk locations	1.97
Electronic Service Technician	Multiple upper extremities locations	0.99
Electronic Service Technician	Neck, except internal location of diseases or disorders	1.32
Electronic Service Technician	Pelvic region	2.96
Electronic Service Technician	Toe(s), toenail(s)	0.33
Electronic Service Technician	Wrist(s)	3.29
Hardware, Lumber and Building Materials Retailer	Abdomen	1.38
Hardware, Lumber and Building Materials Retailer	Ankle(s)	3.68
Hardware, Lumber and Building Materials Retailer	Arm(s)	4.6
Hardware, Lumber and Building Materials Retailer	Chest, including ribs, internal organs	0.92
Hardware, Lumber and Building Materials Retailer	Finger(s), fingernail(s)	0.64
Hardware, Lumber and Building Materials Retailer	Foot(feet), except toe(s)	0.74
Hardware, Lumber and Building Materials Retailer	Hand(s), except finger(s)	0.55
Hardware, Lumber and Building Materials Retailer	Multiple body parts	6.07
Hardware, Lumber and Building Materials Retailer	Multiple lower extremities locations	0.64
Hardware, Lumber and Building Materials Retailer	Multiple trunk locations	1.75
Hardware, Lumber and Building Materials Retailer	Multiple upper extremities locations	0.92
Hardware, Lumber and Building Materials Retailer	Neck, except internal location of diseases or disorders	0.83
Hardware, Lumber and Building Materials Retailer	Pelvic region	2.57
Hardware, Lumber and Building Materials Retailer	Wrist(s)	2.48
Horse Groom	Abdomen	1.42
Horse Groom	Ankle(s)	2.84
Horse Groom	Arm(s)	7.09
Horse Groom	Chest, including ribs, internal organs	1.42
Horse Groom	Finger(s), fingernail(s)	1.42
Horse Groom	Foot(feet), except toe(s)	0.71
Horse Groom	Hand(s), except finger(s)	0.71
Horse Groom	Multiple body parts	5.67
Horse Groom	Multiple trunk locations	2.84
Horse Groom	Multiple upper extremities locations	3.55
Horse Groom	Neck, except internal location of diseases or disorders	2.84
Horse Groom	Pelvic region	1.42
Horse Groom	Upper extremities, n.e.c.	0.71
Horse Groom	Wrist(s)	5.67
Horticultural Technician	Abdomen	0.41
Horticultural Technician	Ankle(s)	4.9

Horticultural Technician	Arm(s)	8.16
Horticultural Technician	Chest, including ribs, internal organs	1.63
Horticultural Technician	Finger(s), fingernail(s)	0.82
Horticultural Technician	Foot(feet), except toe(s)	0.41
Horticultural Technician	Hand(s), except finger(s)	0.82
Horticultural Technician	Multiple body parts	8.16
Horticultural Technician	Multiple lower extremities locations	0.41
Horticultural Technician	Multiple trunk locations	1.63
Horticultural Technician	Multiple upper extremities locations	0.82
Horticultural Technician	Neck, except internal location of diseases or disorders	0.82
Horticultural Technician	Pelvic region	2.86
Horticultural Technician	Wrist(s)	3.27
Institutional Cook	Abdomen	1.34
Institutional Cook	Ankle(s)	2.78
Institutional Cook	Arm(s)	4.74
Institutional Cook	Chest, including ribs, internal organs	1.03
Institutional Cook	Finger(s), fingernail(s)	1.86
Institutional Cook	Foot(feet), except toe(s)	0.52
Institutional Cook	Hand(s), except finger(s)	0.72
Institutional Cook	Multiple body parts	4.33
Institutional Cook	Multiple lower extremities locations	0.93
Institutional Cook	Multiple trunk locations	1.75
Institutional Cook	Multiple upper extremities locations	2.06
Institutional Cook	Neck, except internal location of diseases or disorders	1.03
Institutional Cook	Pelvic region	1.44
Institutional Cook	Wrist(s)	6.29
IT - Contact Centre Customer Service Agent	Abdomen	0.97
IT - Contact Centre Customer Service Agent	Ankle(s)	4.62
IT - Contact Centre Customer Service Agent	Arm(s)	5.27
IT - Contact Centre Customer Service Agent	Chest, including ribs, internal organs	0.43
IT - Contact Centre Customer Service Agent	Finger(s), fingernail(s)	0.97
IT - Contact Centre Customer Service Agent	Foot(feet), except toe(s)	1.18
IT - Contact Centre Customer Service Agent	Hand(s), except finger(s)	0.86
IT - Contact Centre Customer Service Agent	Leg(s)	7.74
IT - Contact Centre Customer Service Agent	Lower extremities, n.e.c.	0.11
IT - Contact Centre Customer Service Agent	Multiple lower extremities locations	0.32
IT - Contact Centre Customer Service Agent	Multiple trunk locations	1.94
IT - Contact Centre Customer Service Agent	Multiple upper extremities locations	2.26
IT - Contact Centre Customer Service Agent	Neck, except internal location of diseases or disorders	2.26
IT - Contact Centre Customer Service Agent	Pelvic region	1.61
IT - Contact Centre Customer Service Agent	Toe(s), toenail(s)	0.11
IT - Contact Centre Customer Service Agent	Wrist(s)	6.88
IT - Contact Centre Sales Agent	Abdomen	0.97
IT - Contact Centre Sales Agent	Ankle(s)	4.62
IT - Contact Centre Sales Agent	Arm(s)	5.27
IT - Contact Centre Sales Agent	Chest, including ribs, internal organs	0.43
IT - Contact Centre Sales Agent	Finger(s), fingernail(s)	0.97
IT - Contact Centre Sales Agent	Foot(feet), except toe(s)	1.18
IT - Contact Centre Sales Agent	Hand(s), except finger(s)	0.86
IT - Contact Centre Sales Agent	Leg(s)	7.74
IT - Contact Centre Sales Agent	Lower extremities, n.e.c.	0.11
IT - Contact Centre Sales Agent	Multiple lower extremities locations	0.32
IT - Contact Centre Sales Agent	Multiple trunk locations	1.94
IT - Contact Centre Sales Agent	Multiple upper extremities locations	2.26
IT - Contact Centre Sales Agent	Neck, except internal location of diseases or disorders	2.26
IT - Contact Centre Sales Agent	Pelvic region	1.61
IT - Contact Centre Sales Agent	Toe(s), toenail(s)	0.11
IT - Contact Centre Sales Agent	Wrist(s)	6.88
Micro Electronics Manufacturer	Abdomen	1.45
Micro Electronics Manufacturer	Arm(s)	2.9
Micro Electronics Manufacturer	Finger(s), fingernail(s)	1.45
Micro Electronics Manufacturer	Foot(feet), except toe(s)	2.9
Micro Electronics Manufacturer	Leg(s)	4.35

Micro Electronics Manufacturer	Multiple trunk locations	2.9
Micro Electronics Manufacturer	Multiple upper extremities locations	1.45
Micro Electronics Manufacturer	Neck, except internal location of diseases or disorders	4.35
Micro Electronics Manufacturer	Wrist(s)	1.45
Native Clothing and Crafts Artisan	Abdomen	5.26
Native Clothing and Crafts Artisan	Multiple upper extremities locations	5.26
Network Cabling Specialist	Abdomen	1.6
Network Cabling Specialist	Ankle(s)	6.8
Network Cabling Specialist	Arm(s)	4
Network Cabling Specialist	Chest, including ribs, internal organs	0.8
Network Cabling Specialist	Finger(s), fingernail(s)	0.8
Network Cabling Specialist	Foot(feet), except toe(s)	1.6
Network Cabling Specialist	Hand(s), except finger(s)	0.4
Network Cabling Specialist	Multiple body parts	7.2
Network Cabling Specialist	Multiple lower extremities locations	1.2
Network Cabling Specialist	Multiple trunk locations	1.2
Network Cabling Specialist	Multiple upper extremities locations	1.2
Network Cabling Specialist	Neck, except internal location of diseases or disorders	2
Network Cabling Specialist	Pelvic region	4
Network Cabling Specialist	Wrist(s)	4
Parts Technician	Abdomen	2.05
Parts Technician	Ankle(s)	2.31
Parts Technician	Arm(s)	5.13
Parts Technician	Chest, including ribs, internal organs	1.54
Parts Technician	Finger(s), fingernail(s)	0.26
Parts Technician	Foot(feet), except toe(s)	0.51
Parts Technician	Hand(s), except finger(s)	0.26
Parts Technician	Multiple lower extremities locations	0.26
Parts Technician	Multiple trunk locations	2.05
Parts Technician	Multiple upper extremities locations	1.03
Parts Technician	Neck, except internal location of diseases or disorders	1.03
Parts Technician	Pelvic region	3.08
Parts Technician	Trunk, uns.	0.26
Parts Technician	Wrist(s)	3.08
Pool, Hot Tub and Spa - Installer	Abdomen	1.23
Pool, Hot Tub and Spa - Installer	Ankle(s)	4.57
Pool, Hot Tub and Spa - Installer	Arm(s)	4.24
Pool, Hot Tub and Spa - Installer	Chest, including ribs, internal organs	1.45
Pool, Hot Tub and Spa - Installer	Finger(s), fingernail(s)	1.11
Pool, Hot Tub and Spa - Installer	Foot(feet), except toe(s)	0.22
Pool, Hot Tub and Spa - Installer	Hand(s), except finger(s)	0.56
Pool, Hot Tub and Spa - Installer	Lower extremities, n.e.c.	0.11
Pool, Hot Tub and Spa - Installer	Multiple body parts	5.02
Pool, Hot Tub and Spa - Installer	Multiple lower extremities locations	0.45
Pool, Hot Tub and Spa - Installer	Multiple trunk locations	1.56
Pool, Hot Tub and Spa - Installer	Multiple upper extremities locations	1.34
Pool, Hot Tub and Spa - Installer	Neck, except internal location of diseases or disorders	1.34
Pool, Hot Tub and Spa - Installer	Pelvic region	3.34
Pool, Hot Tub and Spa - Installer	Wrist(s)	2.23
Pool, Hot Tub and Spa - Service Technician	Abdomen	1.23
Pool, Hot Tub and Spa - Service Technician	Ankle(s)	4.57
Pool, Hot Tub and Spa - Service Technician	Arm(s)	4.24
Pool, Hot Tub and Spa - Service Technician	Chest, including ribs, internal organs	1.45
Pool, Hot Tub and Spa - Service Technician	Finger(s), fingernail(s)	1.11
Pool, Hot Tub and Spa - Service Technician	Foot(feet), except toe(s)	0.22
Pool, Hot Tub and Spa - Service Technician	Hand(s), except finger(s)	0.56
Pool, Hot Tub and Spa - Service Technician	Lower extremities, n.e.c.	0.11
Pool, Hot Tub and Spa - Service Technician	Multiple body parts	5.02
Pool, Hot Tub and Spa - Service Technician	Multiple lower extremities locations	0.45
Pool, Hot Tub and Spa - Service Technician	Multiple trunk locations	1.56
Pool, Hot Tub and Spa - Service Technician	Multiple upper extremities locations	1.34
Pool, Hot Tub and Spa - Service Technician	Neck, except internal location of diseases or disorders	1.34
Pool, Hot Tub and Spa - Service Technician	Pelvic region	3.34

Pool, Hot Tub and Spa - Service Technician	Wrist(s)	2.23
Retail Meat Cutter	Abdomen	2.34
Retail Meat Cutter	Arm(s)	5.26
Retail Meat Cutter	Chest, including ribs, internal organs	3.51
Retail Meat Cutter	Finger(s), fingernail(s)	1.17
Retail Meat Cutter	Foot(feet), except toe(s)	0.58
Retail Meat Cutter	Hand(s), except finger(s)	2.34
Retail Meat Cutter	Leg(s)	5.26
Retail Meat Cutter	Multiple body parts	5.85
Retail Meat Cutter	Multiple trunk locations	1.17
Retail Meat Cutter	Multiple upper extremities locations	4.09
Retail Meat Cutter	Neck, except internal location of diseases or disorders	0.58
Retail Meat Cutter	Pelvic region	1.75
Retail Meat Cutter	Toe(s), toenail(s)	0.58
Utility Arborist	Abdomen	0.41
Utility Arborist	Ankle(s)	4.9
Utility Arborist	Arm(s)	8.16
Utility Arborist	Chest, including ribs, internal organs	1.63
Utility Arborist	Finger(s), fingernail(s)	0.82
Utility Arborist	Foot(feet), except toe(s)	0.41
Utility Arborist	Hand(s), except finger(s)	0.82
Utility Arborist	Multiple body parts	8.16
Utility Arborist	Multiple lower extremities locations	0.41
Utility Arborist	Multiple trunk locations	1.63
Utility Arborist	Multiple upper extremities locations	0.82
Utility Arborist	Neck, except internal location of diseases or disorders	0.82
Utility Arborist	Pelvic region	2.86
Utility Arborist	Wrist(s)	3.27

Table B.5. Event Categories in the *Other* category (MSD claims)

Trade	Event category	Claims (% Total)
Aboriginal Child Development Practitioner	Contact with objects and equipment, N.E.C.	0.14
Aboriginal Child Development Practitioner	Repetitive motion	2.79
Aboriginal Child Development Practitioner	Rubbed or abraded by friction or pressure	0.14
Aboriginal Child Development Practitioner	Static posture with application of force to an object	0.28
Aboriginal Child Development Practitioner	Static posture without application of force to an object	0.14
Appliance Service Technician	Repetitive motion	4.39
Appliance Service Technician	Rubbed or abraded by friction or pressure	1.75
Arborist	Repetitive motion	13.06
Arborist	Rubbed, abraded, or jarred by vibration	0.41
Arborist	Static posture without application of force to an object	0.41
Assistant Cook	Bodily reaction & exertion, UNS	0.1
Assistant Cook	Contact with objects and equipment, N.E.C.	0.52
Assistant Cook	Repetitive motion	11.34
Assistant Cook	Rubbed or abraded by friction or pressure	0.1
Assistant Cook	Static posture with application of force to an object	0.1
Assistant Cook	Static posture without application of force to an object	0.1
Baker	Bodily reactions & exertion, N.E.C.	9.42
Baker	Contact with objects and equipment, N.E.C.	0.3
Baker-Pâtissier	Bodily reactions & exertion, N.E.C.	9.42
Baker-Pâtissier	Contact with objects and equipment, N.E.C.	0.3
Bicycle Mechanic	Bodily reactions & exertion, N.E.C.	9.88
Bicycle Mechanic	Rubbed or abraded by friction or pressure	0.25
Bicycle Mechanic	Static posture without application of force to an object	0.25
Chef	Bodily reactions & exertion, N.E.C.	11.2
Chef	Static posture with application of force to an object	0.8
Child and Youth Worker	Repetitive motion	4.6
Child and Youth Worker	Rubbed or abraded by friction or pressure	0.2
Child and Youth Worker	Rubbed, abraded, or jarred by vibration	0.1
Child and Youth Worker	Static posture with application of force to an object	0.6
Child Development Practitioner	Contact with objects and equipment, N.E.C.	0.14
Child Development Practitioner	Repetitive motion	2.79
Child Development Practitioner	Rubbed or abraded by friction or pressure	0.14
Child Development Practitioner	Static posture with application of force to an object	0.28
Child Development Practitioner	Static posture without application of force to an object	0.14
Child Development Practitioner - Inclusion Practices	Contact with objects and equipment, N.E.C.	0.14
Child Development Practitioner - Inclusion Practices	Repetitive motion	2.79
Child Development Practitioner - Inclusion Practices	Rubbed or abraded by friction or pressure	0.14
Child Development Practitioner - Inclusion Practices	Static posture with application of force to an object	0.28
Child Development Practitioner - Inclusion Practices	Static posture without application of force to an object	0.14
Cook	Bodily reaction & exertion, UNS	0.1
Cook	Contact with objects and equipment, N.E.C.	0.52
Cook	Repetitive motion	11.34
Cook	Rubbed or abraded by friction or pressure	0.1
Cook	Static posture with application of force to an object	0.1
Cook	Static posture without application of force to an object	0.1
Developmental Services Worker	Repetitive motion	4.6
Developmental Services Worker	Rubbed or abraded by friction or pressure	0.2
Developmental Services Worker	Rubbed, abraded, or jarred by vibration	0.1
Developmental Services Worker	Static posture with application of force to an object	0.6
Educational Assistant	Bodily reaction & exertion, UNS	0.14
Educational Assistant	Contact with objects and equipment, N.E.C.	0.07
Educational Assistant	Repetitive motion	2.08
Educational Assistant	Rubbed or abraded by friction or pressure	0.14
Educational Assistant	Static posture with application of force to an object	0.21
Educational Assistant	Static posture without application of force to an object	0.14
Electronic Service Technician	Repetitive motion	4.61
Electronic Service Technician	Static posture with application of force to an object	0.33
Hardware, Lumber and Building Materials Retailer	Contact with objects and equipment, N.E.C.	0.09

Hardware, Lumber and Building Materials Retailer	Repetitive motion	7.17
Hardware, Lumber and Building Materials Retailer	Rubbed or abraded by friction or pressure	0.09
Hardware, Lumber and Building Materials Retailer	Static posture with application of force to an object	0.09
Horse Groom	Repetitive motion	7.8
Horse Groom	Rubbed or abraded by friction or pressure	0.71
Horse Groom	Static posture with application of force to an object	0.71
Horticultural Technician	Repetitive motion	13.06
Horticultural Technician	Rubbed, abraded, or jarred by vibration	0.41
Horticultural Technician	Static posture without application of force to an object	0.41
Institutional Cook	Bodily reaction & exertion, UNS	0.1
Institutional Cook	Contact with objects and equipment, N.E.C.	0.52
Institutional Cook	Repetitive motion	11.34
Institutional Cook	Rubbed or abraded by friction or pressure	0.1
Institutional Cook	Static posture with application of force to an object	0.1
Institutional Cook	Static posture without application of force to an object	0.1
IT - Contact Centre Customer Service Agent	Bodily reactions & exertion, N.E.C.	9.14
IT - Contact Centre Customer Service Agent	Contact with objects and equipment, N.E.C.	0.11
IT - Contact Centre Customer Service Agent	Rubbed, abraded, or jarred by vibration	0.11
IT - Contact Centre Customer Service Agent	Static posture with application of force to an object	0.11
IT - Contact Centre Customer Service Agent	Static posture without application of force to an object	0.97
IT - Contact Centre Sales Agent	Bodily reactions & exertion, N.E.C.	9.14
IT - Contact Centre Sales Agent	Contact with objects and equipment, N.E.C.	0.11
IT - Contact Centre Sales Agent	Rubbed, abraded, or jarred by vibration	0.11
IT - Contact Centre Sales Agent	Static posture with application of force to an object	0.11
IT - Contact Centre Sales Agent	Static posture without application of force to an object	0.97
Micro Electronics Manufacturer	Repetitive motion	5.8
Native Clothing and Crafts Artisan	Bodily reactions & exertion, N.E.C.	10.53
Network Cabling Specialist	Contact with objects and equipment, N.E.C.	0.4
Network Cabling Specialist	Repetitive motion	8.8
Network Cabling Specialist	Static posture without application of force to an object	0.4
Parts Technician	Repetitive motion	9.23
Parts Technician	Rubbed, abraded, or jarred by vibration	0.77
Parts Technician	Static posture with application of force to an object	0.26
Pool, Hot Tub and Spa - Installer	Repetitive motion	8.36
Pool, Hot Tub and Spa - Installer	Rubbed or abraded by friction or pressure	0.45
Pool, Hot Tub and Spa - Installer	Static posture with application of force to an object	0.22
Pool, Hot Tub and Spa - Service Technician	Repetitive motion	8.36
Pool, Hot Tub and Spa - Service Technician	Rubbed or abraded by friction or pressure	0.45
Pool, Hot Tub and Spa - Service Technician	Static posture with application of force to an object	0.22
Retail Meat Cutter	Bodily reactions & exertion, N.E.C.	8.77
Retail Meat Cutter	Static posture with application of force to an object	0.58
Special Events Coordinator	Repetitive motion	6.25
Utility Arborist	Repetitive motion	13.06
Utility Arborist	Rubbed, abraded, or jarred by vibration	0.41
Utility Arborist	Static posture without application of force to an object	0.41

Table B.6. Event Descriptions in the *Other* category (MSD claims)

Trade	Event description	Claims (% Total)
Aboriginal Child Development Practitioner	Bodily reaction, N.E.C.	8.09
Aboriginal Child Development Practitioner	Bodily reaction, UNS	0.7
Aboriginal Child Development Practitioner	Contact with objects and equipment, N.E.C.	0.14
Aboriginal Child Development Practitioner	Overexertion in carrying, turning or wielding objects	1.39
Aboriginal Child Development Practitioner	Overexertion in lifting (object) and turning (body)	1.81
Aboriginal Child Development Practitioner	Overexertion in lifting and turning (object)	0.42
Aboriginal Child Development Practitioner	Overexertion in pulling or pushing objects	4.18
Aboriginal Child Development Practitioner	Overexertion in throwing objects	0.14
Aboriginal Child Development Practitioner	Overexertion, N.E.C.	8.65
Aboriginal Child Development Practitioner	Repetitive motion, N.E.C.	1.53
Aboriginal Child Development Practitioner	Repetitive motion, UNS	0.14
Aboriginal Child Development Practitioner	Repetitive placing,/moving objects, except tools	0.98
Aboriginal Child Development Practitioner	Repetitive use of tools	0.14
Aboriginal Child Development Practitioner	Rubbed or abraded by kneeling on surface	0.14
Aboriginal Child Development Practitioner	Running--without other incident	1.81
Aboriginal Child Development Practitioner	Sitting	0.7
Aboriginal Child Development Practitioner	Standing	0.28
Aboriginal Child Development Practitioner	Static posture with application of force to an object	0.28
Aboriginal Child Development Practitioner	Static posture without application of force to an object	0.14
Aboriginal Child Development Practitioner	Walking--without other incident	0.98
Appliance Service Technician	Bodily reaction, N.E.C.	7.89
Appliance Service Technician	Bodily reactions & exertion, N.E.C.	9.65
Appliance Service Technician	Overexertion in lifting (object) and turning (body)	2.63
Appliance Service Technician	Overexertion in pulling or pushing objects	8.77
Appliance Service Technician	Repetitive motion, N.E.C.	4.39
Appliance Service Technician	Rubbed or abraded by kneeling on surface	1.75
Appliance Service Technician	Standing	1.75
Assistant Cook	Bodily reaction & exertion, UNS	0.1
Assistant Cook	Bodily reaction, N.E.C.	3.71
Assistant Cook	Bodily reaction, UNS	0.41
Assistant Cook	Contact with objects and equipment, N.E.C.	0.52
Assistant Cook	Overexertion in carrying, turning or wielding objects	2.47
Assistant Cook	Overexertion in lifting (object) and turning (body)	4.23
Assistant Cook	Overexertion in lifting and turning (object)	0.72
Assistant Cook	Overexertion in pulling or pushing objects	5.15
Assistant Cook	Overexertion in throwing objects	0.31
Assistant Cook	Overexertion, N.E.C.	8.25
Assistant Cook	Overexertion, UNS	0.52
Assistant Cook	Repetitive motion, N.E.C.	5.36
Assistant Cook	Repetitive motion, UNS	1.13
Assistant Cook	Repetitive placing,/moving objects, except tools	3.51
Assistant Cook	Repetitive use of tools	1.34
Assistant Cook	Rubbed or abraded by kneeling on surface	0.1
Assistant Cook	Standing	0.1
Assistant Cook	Static posture with application of force to an object	0.1
Assistant Cook	Static posture without application of force to an object	0.1
Assistant Cook	Walking--without other incident	0.21
Baker-Patissier	Bodily reaction, N.E.C.	3.65
Baker-Patissier	Bodily reaction, UNS	0.3
Baker-Patissier	Bodily reactions & exertion, N.E.C.	6.38
Baker-Patissier	Contact with objects and equipment, N.E.C.	0.3
Baker-Patissier	Overexertion in carrying, turning or wielding objects	1.52
Baker-Patissier	Overexertion in lifting (object) and turning (body)	3.04
Baker-Patissier	Overexertion in lifting and turning (object)	0.61
Baker-Patissier	Overexertion, N.E.C.	6.08
Baker-Patissier	Overexertion, UNS	1.22
Baker-Patissier	Repetitive motion, N.E.C.	8.81
Baker-Patissier	Repetitive motion, UNS	1.52



Baker-Patisserie	Repetitive placing./moving objects, except tools	6.69
Baker-Patisserie	Repetitive use of tools	2.13
Baker-Patisserie	Walking--without other incident	0.3
Chef	Bodily reaction, N.E.C.	4.8
Chef	Overexertion in carrying, turning or wielding objects	1.6
Chef	Overexertion in lifting (object) and turning (body)	2.4
Chef	Overexertion in lifting and turning (object)	1.6
Chef	Overexertion in pulling or pushing objects	4
Chef	Overexertion, N.E.C.	4.8
Chef	Overexertion, UNS	0.8
Chef	Repetitive motion, N.E.C.	4.8
Chef	Repetitive placing./moving objects, except tools	4.8
Chef	Repetitive use of tools	3.2
Chef	Static posture with application of force to an object	0.8
Chef	Walking--without other incident	1.6
Child Development Practitioner	Bodily reaction, N.E.C.	8.09
Child Development Practitioner	Bodily reaction, UNS	0.7
Child Development Practitioner	Contact with objects and equipment, N.E.C.	0.14
Child Development Practitioner	Overexertion in carrying, turning or wielding objects	1.39
Child Development Practitioner	Overexertion in lifting (object) and turning (body)	1.81
Child Development Practitioner	Overexertion in lifting and turning (object)	0.42
Child Development Practitioner	Overexertion in pulling or pushing objects	4.18
Child Development Practitioner	Overexertion in throwing objects	0.14
Child Development Practitioner	Overexertion, N.E.C.	8.65
Child Development Practitioner	Repetitive motion, N.E.C.	1.53
Child Development Practitioner	Repetitive motion, UNS	0.14
Child Development Practitioner	Repetitive placing./moving objects, except tools	0.98
Child Development Practitioner	Repetitive use of tools	0.14
Child Development Practitioner	Rubbed or abraded by kneeling on surface	0.14
Child Development Practitioner	Running--without other incident	1.81
Child Development Practitioner	Sitting	0.7
Child Development Practitioner	Standing	0.28
Child Development Practitioner	Static posture with application of force to an object	0.28
Child Development Practitioner	Static posture without application of force to an object	0.14
Child Development Practitioner	Walking--without other incident	0.98
Cook	Bodily reaction & exertion, UNS	0.1
Cook	Bodily reaction, N.E.C.	3.71
Cook	Bodily reaction, UNS	0.41
Cook	Contact with objects and equipment, N.E.C.	0.52
Cook	Overexertion in carrying, turning or wielding objects	2.47
Cook	Overexertion in lifting (object) and turning (body)	4.23
Cook	Overexertion in lifting and turning (object)	0.72
Cook	Overexertion in pulling or pushing objects	5.15
Cook	Overexertion in throwing objects	0.31
Cook	Overexertion, N.E.C.	8.25
Cook	Overexertion, UNS	0.52
Cook	Repetitive motion, N.E.C.	5.36
Cook	Repetitive motion, UNS	1.13
Cook	Repetitive placing./moving objects, except tools	3.51
Cook	Repetitive use of tools	1.34
Cook	Rubbed or abraded by kneeling on surface	0.1
Cook	Standing	0.1
Cook	Static posture with application of force to an object	0.1
Cook	Static posture without application of force to an object	0.1
Cook	Walking--without other incident	0.21
Educational Assistant	Bodily reaction & exertion, UNS	0.14
Educational Assistant	Bodily reaction, N.E.C.	10.12
Educational Assistant	Bodily reaction, UNS	0.76
Educational Assistant	Contact with objects and equipment, N.E.C.	0.07
Educational Assistant	Overexertion in carrying, turning or wielding objects	1.04
Educational Assistant	Overexertion in lifting	13.25
Educational Assistant	Overexertion in lifting (object) and turning (body)	1.66
Educational Assistant	Overexertion in lifting and turning (object)	0.21



Educational Assistant	Overexertion in pulling or pushing objects	4.23
Educational Assistant	Overexertion in throwing objects	0.21
Educational Assistant	Overexertion, UNS	0.76
Educational Assistant	Repetitive motion, N.E.C.	1.11
Educational Assistant	Repetitive motion, UNS	0.35
Educational Assistant	Repetitive placing./moving objects, except tools	0.42
Educational Assistant	Repetitive use of tools	0.07
Educational Assistant	Rubbed or abraded by kneeling on surface	0.14
Educational Assistant	Running--without other incident	4.58
Educational Assistant	Sitting	0.07
Educational Assistant	Standing	0.07
Educational Assistant	Static posture with application of force to an object	0.21
Educational Assistant	Static posture without application of force to an object	0.14
Educational Assistant	Typing or keyentry	0.14
Educational Assistant	Walking--without other incident	1.32
Hardware, Lumber and Building Materials Retailer	Bodily reaction, N.E.C.	5.7
Hardware, Lumber and Building Materials Retailer	Bodily reaction, UNS	0.37
Hardware, Lumber and Building Materials Retailer	Bodily reactions & exertion, N.E.C.	7.35
Hardware, Lumber and Building Materials Retailer	Contact with objects and equipment, N.E.C.	0.09
Hardware, Lumber and Building Materials Retailer	Overexertion in carrying, turning or welding objects	1.47
Hardware, Lumber and Building Materials Retailer	Overexertion in lifting (object) and turning (body)	2.3
Hardware, Lumber and Building Materials Retailer	Overexertion in lifting and turning (object)	0.92
Hardware, Lumber and Building Materials Retailer	Overexertion in pulling or pushing objects	8.46
Hardware, Lumber and Building Materials Retailer	Overexertion in throwing objects	0.37
Hardware, Lumber and Building Materials Retailer	Overexertion, UNS	0.09
Hardware, Lumber and Building Materials Retailer	Repetitive motion, N.E.C.	3.31
Hardware, Lumber and Building Materials Retailer	Repetitive motion, UNS	0.37
Hardware, Lumber and Building Materials Retailer	Repetitive placing./moving objects, except tools	3.31
Hardware, Lumber and Building Materials Retailer	Repetitive use of tools	0.18
Hardware, Lumber and Building Materials Retailer	Rubbed or abraded by friction or pressure, UNS	0.09
Hardware, Lumber and Building Materials Retailer	Running--without other incident	0.37
Hardware, Lumber and Building Materials Retailer	Sitting	0.09
Hardware, Lumber and Building Materials Retailer	Static posture with application of force to an object	0.09
Hardware, Lumber and Building Materials Retailer	Walking--without other incident	0.37
Horticultural Technician	Bodily reaction, N.E.C.	8.57
Horticultural Technician	Bodily reaction, UNS	0.41
Horticultural Technician	Bodily reactions & exertion, N.E.C.	13.06
Horticultural Technician	Overexertion in carrying, turning or welding objects	0.82
Horticultural Technician	Overexertion in lifting (object) and turning (body)	0.82
Horticultural Technician	Overexertion in lifting and turning (object)	0.82
Horticultural Technician	Overexertion in pulling or pushing objects	9.8
Horticultural Technician	Overexertion in throwing objects	0.82
Horticultural Technician	Overexertion, UNS	0.41
Horticultural Technician	Repetitive motion, N.E.C.	5.31
Horticultural Technician	Repetitive motion, UNS	2.45
Horticultural Technician	Repetitive placing./moving objects, except tools	4.08
Horticultural Technician	Repetitive use of tools	1.22
Horticultural Technician	Rubbed, ..., or jarred by other machine or equip.	0.41
Horticultural Technician	Running--without other incident	0.41
Horticultural Technician	Static posture without application of force to an object	0.41
Horticultural Technician	Walking--without other incident	1.22
IT - Contact Centre Customer Service Agent	Bodily reaction, N.E.C.	7.53
IT - Contact Centre Customer Service Agent	Bodily reaction, UNS	0.32
IT - Contact Centre Customer Service Agent	Bodily reactions & exertion, N.E.C.	6.67
IT - Contact Centre Customer Service Agent	Contact with objects and equipment, N.E.C.	0.11
IT - Contact Centre Customer Service Agent	Overexertion in carrying, turning or welding objects	1.18
IT - Contact Centre Customer Service Agent	Overexertion in lifting (object) and turning (body)	2.47
IT - Contact Centre Customer Service Agent	Overexertion in lifting and turning (object)	1.29
IT - Contact Centre Customer Service Agent	Overexertion in throwing objects	0.54
IT - Contact Centre Customer Service Agent	Overexertion, N.E.C.	7.31
IT - Contact Centre Customer Service Agent	Overexertion, UNS	0.22
IT - Contact Centre Customer Service Agent	Repetitive motion, N.E.C.	6.56
IT - Contact Centre Customer Service Agent	Repetitive motion, UNS	1.61



IT - Contact Centre Customer Service Agent	Repetitive placing./moving objects, except tools	3.33
IT - Contact Centre Customer Service Agent	Repetitive use of tools	1.18
IT - Contact Centre Customer Service Agent	Rubbed, ..., or jarred by vehicle or mobile equip.	0.11
IT - Contact Centre Customer Service Agent	Running--without other incident	0.11
IT - Contact Centre Customer Service Agent	Sitting	0.54
IT - Contact Centre Customer Service Agent	Standing	0.32
IT - Contact Centre Customer Service Agent	Static posture with application of force to an object	0.11
IT - Contact Centre Customer Service Agent	Static posture without application of force to an object	0.97
IT - Contact Centre Customer Service Agent	Typing or keyentry	3.44
IT - Contact Centre Customer Service Agent	Walking--without other incident	1.18
Micro Electronics Manufacturer	Bodily reaction, N.E.C.	5.8
Micro Electronics Manufacturer	Bodily reactions & exertion, N.E.C.	11.59
Micro Electronics Manufacturer	Overexertion in carrying, turning or wielding objects	1.45
Micro Electronics Manufacturer	Overexertion in lifting (object) and turning (body)	2.9
Micro Electronics Manufacturer	Overexertion in lifting and turning (object)	1.45
Micro Electronics Manufacturer	Overexertion in pulling or pushing objects	8.7
Micro Electronics Manufacturer	Repetitive motion, N.E.C.	4.35
Micro Electronics Manufacturer	Repetitive placing./moving objects, except tools	1.45
Parts Technician	Bodily reaction, N.E.C.	2.31
Parts Technician	Bodily reaction, UNS	0.26
Parts Technician	Bodily reactions & exertion, N.E.C.	8.21
Parts Technician	Overexertion in carrying, turning or wielding objects	1.54
Parts Technician	Overexertion in lifting (object) and turning (body)	3.33
Parts Technician	Overexertion in lifting and turning (object)	1.28
Parts Technician	Overexertion in throwing objects	0.26
Parts Technician	Overexertion, N.E.C.	7.18
Parts Technician	Overexertion, UNS	0.77
Parts Technician	Repetitive motion, N.E.C.	2.31
Parts Technician	Repetitive motion, UNS	3.33
Parts Technician	Repetitive placing./moving objects, except tools	3.33
Parts Technician	Rubbed, ..., or jarred by vehicle or mobile equip.	0.77
Parts Technician	Static posture with application of force to an object	0.26
Parts Technician	Typing or keyentry	0.26
Parts Technician	Walking--without other incident	0.77
Pool, Hot Tub and Spa - Service Technician	Bodily reaction, N.E.C.	6.47
Pool, Hot Tub and Spa - Service Technician	Bodily reaction, UNS	0.11
Pool, Hot Tub and Spa - Service Technician	Bodily reactions & exertion, N.E.C.	8.14
Pool, Hot Tub and Spa - Service Technician	Overexertion in carrying, turning or wielding objects	4.01
Pool, Hot Tub and Spa - Service Technician	Overexertion in lifting (object) and turning (body)	3.01
Pool, Hot Tub and Spa - Service Technician	Overexertion in lifting and turning (object)	0.56
Pool, Hot Tub and Spa - Service Technician	Overexertion in pulling or pushing objects	6.35
Pool, Hot Tub and Spa - Service Technician	Overexertion in throwing objects	0.11
Pool, Hot Tub and Spa - Service Technician	Overexertion, UNS	0.56
Pool, Hot Tub and Spa - Service Technician	Repetitive motion, N.E.C.	3.23
Pool, Hot Tub and Spa - Service Technician	Repetitive motion, UNS	0.56
Pool, Hot Tub and Spa - Service Technician	Repetitive placing./moving objects, except tools	2.45
Pool, Hot Tub and Spa - Service Technician	Repetitive use of tools	2.12
Pool, Hot Tub and Spa - Service Technician	Rubbed or abraded by friction or pressure, N.E.C.	0.11
Pool, Hot Tub and Spa - Service Technician	Rubbed or abraded by kneeling on surface	0.33
Pool, Hot Tub and Spa - Service Technician	Standing	0.22
Pool, Hot Tub and Spa - Service Technician	Static posture with application of force to an object	0.22
Pool, Hot Tub and Spa - Service Technician	Walking--without other incident	0.33
Special Events Coordinator	Bending, climbing, crawling, reaching, twisting	6.25
Special Events Coordinator	Bodily reaction, N.E.C.	6.25
Special Events Coordinator	Overexertion in lifting (object) and turning (body)	6.25
Special Events Coordinator	Repetitive placing./moving objects, except tools	6.25

Table B.7. Nature of Injury Descriptions in the *Other* category (MSD claims)

Trade	Nature of injury description	Claims (% Total)
Aboriginal Child Development Practitioner	Inguinal hernia	0.14
Aboriginal Child Development Practitioner	Meniscal tear	0.42
Aboriginal Child Development Practitioner	Nonspecific injuries and disorders, unspecified	3.21
Aboriginal Child Development Practitioner	Oth combinations of traumatic inj. & Disorders, N.E.C.	0.14
Aboriginal Child Development Practitioner	Sciatica	0.14
Aboriginal Child Development Practitioner	Soft tissue injury	2.23
Aboriginal Child Development Practitioner	Soreness, pain, hurt, except the back	0.7
Aboriginal Child Development Practitioner	Sprains or strains and bruises	0.28
Aboriginal Child Development Practitioner	Sprains, strains, tears, N.E.C.	0.28
Aboriginal Child Development Practitioner	Strains, sprains, tears (repetitive)	1.26
Aboriginal Child Development Practitioner	Symptoms involving nervous & musculoskel. Sys., N.E.C.	0.14
Aboriginal Child Development Practitioner	Tendonitis	0.42
Aboriginal Child Development Practitioner	Tenosynovitis	0.28
Aboriginal Child Development Practitioner	Traum injns musclskeletal sys tendons ligmnts joints N.E.C.	0.28
Aboriginal Child Development Practitioner	Traumatic bursitis (due to repetitive motions use 17310)	0.14
Aboriginal Child Development Practitioner	Traumatic cervicalgia	0.14
Aboriginal Child Development Practitioner	Traumatic disc disorders, N.E.C.	0.14
Aboriginal Child Development Practitioner	Traumatic dorsalgia	0.14
Aboriginal Child Development Practitioner	Traumatic epicondylitis	0.28
Aboriginal Child Development Practitioner	Traumatic herniated disc	0.28
Aboriginal Child Development Practitioner	Traumatic lumbago	0.42
Aboriginal Child Development Practitioner	Traumatic radiculitis	0.14
Aboriginal Child Development Practitioner	Traumatic sciatica	0.14
Aboriginal Child Development Practitioner	Traumatic tendinitis (due to repetitive motions use 17330)	1.81
Aboriginal Child Development Practitioner	Traumatic tenosynovitis	0.14
Appliance Service Technician	Back pain, hurt back	2.63
Appliance Service Technician	Bursitis	0.88
Appliance Service Technician	Carpal tunnel syndrome	0.88
Appliance Service Technician	Herniated disc	0.88
Appliance Service Technician	Inguinal hernia	2.63
Appliance Service Technician	Meniscal tear	0.88
Appliance Service Technician	Rotator cuff tear	0.88
Appliance Service Technician	Soft tissue injury	2.63
Appliance Service Technician	Soreness, pain, hurt, except the back	1.75
Appliance Service Technician	Sprains, strains, tears, N.E.C.	0.88
Appliance Service Technician	Strains, sprains, tears (repetitive)	4.39
Appliance Service Technician	Traum injns musclskeletal sys tendons ligmnts joints N.E.C.	0.88
Appliance Service Technician	Traumatic herniated disc	2.63
Appliance Service Technician	Traumatic sciatica	1.75
Appliance Service Technician	Traumatic tendinitis (due to repetitive motions use 17330)	1.75
Assistant Cook	Back pain, hurt back	1.34
Assistant Cook	Bursitis	0.21
Assistant Cook	Carpal tunnel syndrome	1.75
Assistant Cook	Epicondylitis	0.82
Assistant Cook	Ganglion/cystic tumor	0.21
Assistant Cook	Hernia, N.E.C.	0.52
Assistant Cook	Hernia, UNS	0.1
Assistant Cook	Herniated disc	0.1
Assistant Cook	Inflam. And irrit. Of joints, tend., musc., and con. Tis.N.E.C.	0.21
Assistant Cook	Inflam. And irrit. Of joints,tendons,muscles,con. Tis,unsp.	0.1
Assistant Cook	Inguinal hernia	0.52
Assistant Cook	Meniscal tear	0.31
Assistant Cook	Nonspecific injuries and disorders, N.E.C.	0.1
Assistant Cook	Nonspecific injuries and disorders, unspecified	1.86
Assistant Cook	Rotator cuff syndrome	0.1
Assistant Cook	Rotator cuff tear	0.72
Assistant Cook	Sciatica	0.1
Assistant Cook	Soft tissue injury	2.16



Assistant Cook	Soreness, pain, hurt, except the back	0.82
Assistant Cook	Sprains or strains and bruises	0.1
Assistant Cook	Sprains, strains, tears, N.E.C.	0.41
Assistant Cook	Tendonitis	2.06
Assistant Cook	Tenosynovitis	0.52
Assistant Cook	Traum inj. musclskeletal sys tendons ligmnts joints N.E.C.	0.1
Assistant Cook	Traumatic bursitis (due to repetitive motions use 17310)	0.1
Assistant Cook	Traumatic epicondylitis	0.41
Assistant Cook	Traumatic herniated disc	0.41
Assistant Cook	Traumatic inj. To muscles, ..., joints, etc. Uns	0.52
Assistant Cook	Traumatic injuries & disorders, UNS	0.1
Assistant Cook	Traumatic lumbago	1.13
Assistant Cook	Traumatic radiculitis	0.1
Assistant Cook	Traumatic sciatica	0.72
Assistant Cook	Traumatic tendinitis (due to repetitive motions use 17330)	1.96
Assistant Cook	Traumatic tenosynovitis	0.31
Assistant Cook	Trigger finger	0.1
Assistant Cook	Ventral hernia	0.21
Baker-Patissier	Back pain, hurt back	0.3
Baker-Patissier	Carpal tunnel syndrome	2.13
Baker-Patissier	Epicondylitis	1.52
Baker-Patissier	Hernia, N.E.C.	0.3
Baker-Patissier	Hernia, UNS	0.3
Baker-Patissier	Inguinal hernia	0.91
Baker-Patissier	Musc. Syst. And connect. Tis. Dise. And disor., N.E.C.	0.3
Baker-Patissier	Nonspecific injuries and disorders, unspecified	3.34
Baker-Patissier	Rotator cuff syndrome	0.3
Baker-Patissier	Rotator cuff tear	1.22
Baker-Patissier	Soft tissue injury	1.82
Baker-Patissier	Sprains, strains, tears, N.E.C.	0.3
Baker-Patissier	Tendonitis	2.13
Baker-Patissier	Tenosynovitis	1.52
Baker-Patissier	Traumatic bursitis (due to repetitive motions use 17310)	0.3
Baker-Patissier	Traumatic inj. To muscles, ..., joints, etc. Uns	0.3
Baker-Patissier	Traumatic sciatica	0.3
Baker-Patissier	Traumatic tendinitis (due to repetitive motions use 17330)	4.26
Baker-Patissier	Traumatic tenosynovitis	0.91
Baker-Patissier	Trigger finger	0.3
Chef	Carpal tunnel syndrome	0.8
Chef	Epicondylitis	3.2
Chef	Hernia, N.E.C.	0.8
Chef	Herniated disc	0.8
Chef	Meniscal tear	0.8
Chef	Nonspecific injuries and disorders, unspecified	1.6
Chef	Oth disorders of the peripheral nervous system, N.E.C.	0.8
Chef	Rotator cuff tear	2.4
Chef	Soft tissue injury	2.4
Chef	Tendonitis	3.2
Chef	Tenosynovitis	0.8
Chef	Traumatic herniated disc	0.8
Chef	Traumatic lumbago	0.8
Chef	Traumatic radiculitis	0.8
Chef	Traumatic sciatica	0.8
Chef	Ventral hernia	0.8
Child Development Practitioner	Inguinal hernia	0.14
Child Development Practitioner	Meniscal tear	0.42
Child Development Practitioner	Nonspecific injuries and disorders, unspecified	3.21
Child Development Practitioner	Oth combinations of traumatic inj. & Disorders, N.E.C.	0.14
Child Development Practitioner	Sciatica	0.14
Child Development Practitioner	Soft tissue injury	2.23
Child Development Practitioner	Soreness, pain, hurt, except the back	0.7
Child Development Practitioner	Sprains or strains and bruises	0.28
Child Development Practitioner	Sprains, strains, tears, N.E.C.	0.28



Child Development Practitioner	Strains, sprains, tears (repetitive)	1.26
Child Development Practitioner	Symptoms involving nervous & musculoskel. Sys., N.E.C.	0.14
Child Development Practitioner	Tendonitis	0.42
Child Development Practitioner	Tenosynovitis	0.28
Child Development Practitioner	Traum injns musclskeletal sys tendons ligmnts joints N.E.C.	0.28
Child Development Practitioner	Traumatic bursitis (due to repetitive motions use 17310)	0.14
Child Development Practitioner	Traumatic cervicalgia	0.14
Child Development Practitioner	Traumatic disc disorders, N.E.C.	0.14
Child Development Practitioner	Traumatic dorsalgia	0.14
Child Development Practitioner	Traumatic epicondylitis	0.28
Child Development Practitioner	Traumatic herniated disc	0.28
Child Development Practitioner	Traumatic lumbago	0.42
Child Development Practitioner	Traumatic radiculitis	0.14
Child Development Practitioner	Traumatic sciatica	0.14
Child Development Practitioner	Traumatic tendinitis (due to repetitive motions use 17330)	1.81
Child Development Practitioner	Traumatic tenosynovitis	0.14
Cook	Back pain, hurt back	1.34
Cook	Bursitis	0.21
Cook	Carpal tunnel syndrome	1.75
Cook	Epicondylitis	0.82
Cook	Ganglion/cystic tumor	0.21
Cook	Hernia, N.E.C.	0.52
Cook	Hernia, UNS	0.1
Cook	Herniated disc	0.1
Cook	Inflam. And irrit. Of joints, tend., musc., and con. Tis.N.E.C.	0.21
Cook	Inflam. And irrit. Of joints,tendons,muscles,con. Tis.,unsp.	0.1
Cook	Inguinal hernia	0.52
Cook	Meniscal tear	0.31
Cook	Nonspecific injuries and disorders, N.E.C.	0.1
Cook	Nonspecific injuries and disorders, unspecified	1.86
Cook	Rotator cuff syndrome	0.1
Cook	Rotator cuff tear	0.72
Cook	Sciatica	0.1
Cook	Soft tissue injury	2.16
Cook	Soreness, pain, hurt, except the back	0.82
Cook	Sprains or strains and bruises	0.1
Cook	Sprains, strains, tears, N.E.C.	0.41
Cook	Tendonitis	2.06
Cook	Tenosynovitis	0.52
Cook	Traum injns musclskeletal sys tendons ligmnts joints N.E.C.	0.1
Cook	Traumatic bursitis (due to repetitive motions use 17310)	0.1
Cook	Traumatic epicondylitis	0.41
Cook	Traumatic herniated disc	0.41
Cook	Traumatic inj. To muscles, ..., joints, etc. Uns	0.52
Cook	Traumatic injuries & disorders, UNS	0.1
Cook	Traumatic lumbago	1.13
Cook	Traumatic radiculitis	0.1
Cook	Traumatic sciatica	0.72
Cook	Traumatic tendinitis (due to repetitive motions use 17330)	1.96
Cook	Traumatic tenosynovitis	0.31
Cook	Trigger finger	0.1
Cook	Ventral hernia	0.21
Educational Assistant	Back pain, hurt back	1.46
Educational Assistant	Disc disorders, N.E.C.	0.21
Educational Assistant	Epicondylitis	0.21
Educational Assistant	Herniated disc	0.07
Educational Assistant	Inguinal hernia	0.21
Educational Assistant	Meniscal tear	0.76
Educational Assistant	Multiple nonspecific injuries and disorders	0.07
Educational Assistant	Nonspecific injuries and disorders, N.E.C.	0.14
Educational Assistant	Oth combinations of traumatic inj. & Disorders, N.E.C.	0.07
Educational Assistant	Oth disorders of the peripheral nervous system, N.E.C.	0.14
Educational Assistant	Radiculitis	0.07



Educational Assistant	Rotator cuff tear	0.62
Educational Assistant	Soft tissue injury	2.08
Educational Assistant	Soreness, pain, hurt, except the back	0.97
Educational Assistant	Spasms or tremors, N.E.C.	0.07
Educational Assistant	Sprains or strains and bruises	0.21
Educational Assistant	Sprains, strains, tears, N.E.C.	0.49
Educational Assistant	Strains, sprains, tears (repetitive)	1.11
Educational Assistant	Tendonitis	0.49
Educational Assistant	Tenosynovitis	0.07
Educational Assistant	Traum inj. musclskeletal sys tendons ligmnts joints N.E.C.	0.14
Educational Assistant	Traum inj. musclskeletal sys tendons ligmnts joints UNSPEC.	0.07
Educational Assistant	Traumatic bursitis (due to repetitive motions use 17310)	0.14
Educational Assistant	Traumatic cervicalgia	0.07
Educational Assistant	Traumatic disc disorders, unspecified	0.14
Educational Assistant	Traumatic epicondylitis	0.14
Educational Assistant	Traumatic facet syndrome	0.07
Educational Assistant	Traumatic herniated disc	0.35
Educational Assistant	Traumatic inj. To muscles, ..., joints, etc. Uns	1.04
Educational Assistant	Traumatic lumbago	0.35
Educational Assistant	Traumatic sciatica	0.14
Educational Assistant	Traumatic synovitis	0.14
Educational Assistant	Traumatic tendinitis (due to repetitive motions use 17330)	0.97
Educational Assistant	Traumatic tenosynovitis	0.07
Hardware, Lumber and Building Materials Retailer	Back pain, hurt back	1.93
Hardware, Lumber and Building Materials Retailer	Bursitis	0.09
Hardware, Lumber and Building Materials Retailer	Carpal tunnel syndrome	0.28
Hardware, Lumber and Building Materials Retailer	Disc disorders, N.E.C.	0.09
Hardware, Lumber and Building Materials Retailer	Disc disorders, unspecified	0.09
Hardware, Lumber and Building Materials Retailer	Epicondylitis	0.46
Hardware, Lumber and Building Materials Retailer	Hernia, N.E.C.	0.37
Hardware, Lumber and Building Materials Retailer	Hernia, UNS	0.46
Hardware, Lumber and Building Materials Retailer	Herniated disc	0.28
Hardware, Lumber and Building Materials Retailer	Inflam. And irrit. Of joints, tend., musc., and con. Tis.N.E.C.	0.28
Hardware, Lumber and Building Materials Retailer	Inguinal hernia	1.47
Hardware, Lumber and Building Materials Retailer	Meniscal tear	1.1
Hardware, Lumber and Building Materials Retailer	Multiple nonspecific injuries and disorders	0.09
Hardware, Lumber and Building Materials Retailer	Nonspecific injuries and disorders, N.E.C.	0.37
Hardware, Lumber and Building Materials Retailer	Nonspecific injuries and disorders, unspecified	1.38
Hardware, Lumber and Building Materials Retailer	Osteopathies, chondropathies, acquired deform., N.E.C.	0.18
Hardware, Lumber and Building Materials Retailer	Oth combinations of traumatic inj. & Disorders, N.E.C.	0.09
Hardware, Lumber and Building Materials Retailer	Radiculitis	0.09
Hardware, Lumber and Building Materials Retailer	Rotator cuff syndrome	0.09
Hardware, Lumber and Building Materials Retailer	Rotator cuff tear	1.01
Hardware, Lumber and Building Materials Retailer	Soft tissue injury	2.3
Hardware, Lumber and Building Materials Retailer	Soreness, pain, hurt, except the back	0.09
Hardware, Lumber and Building Materials Retailer	Sprains or strains and bruises	0.09
Hardware, Lumber and Building Materials Retailer	Sprains, strains, tears, N.E.C.	0.28
Hardware, Lumber and Building Materials Retailer	Tendonitis	0.92
Hardware, Lumber and Building Materials Retailer	Tenosynovitis	0.09
Hardware, Lumber and Building Materials Retailer	Traum inj. musclskeletal sys tendons ligmnts joints N.E.C.	0.46
Hardware, Lumber and Building Materials Retailer	Traumatic bursitis (due to repetitive motions use 17310)	0.18
Hardware, Lumber and Building Materials Retailer	Traumatic capsulitis	0.09
Hardware, Lumber and Building Materials Retailer	Traumatic disc disorders, N.E.C.	0.09
Hardware, Lumber and Building Materials Retailer	Traumatic dorsalgia	0.09
Hardware, Lumber and Building Materials Retailer	Traumatic dorsopathies, N.E.C.	0.09
Hardware, Lumber and Building Materials Retailer	Traumatic epicondylitis	0.18
Hardware, Lumber and Building Materials Retailer	Traumatic herniated disc	1.29
Hardware, Lumber and Building Materials Retailer	Traumatic inj. To muscles, ..., joints, etc. Uns	0.83
Hardware, Lumber and Building Materials Retailer	Traumatic lumbago	0.74
Hardware, Lumber and Building Materials Retailer	Traumatic sciatica	0.55
Hardware, Lumber and Building Materials Retailer	Traumatic tendinitis (due to repetitive motions use 17330)	2.3
Hardware, Lumber and Building Materials Retailer	Trigger finger	0.09
Hardware, Lumber and Building Materials Retailer	Ventral hernia	0.18



Horticultural Technician	Carpal tunnel syndrome	0.41
Horticultural Technician	Epicondylitis	0.41
Horticultural Technician	Herniated disc	0.41
Horticultural Technician	Inflam. And irrit. Of joints, tend., muscul., and con. Tis.N.E.C.	0.41
Horticultural Technician	Inguinal hernia	2.04
Horticultural Technician	Meniscal tear	1.22
Horticultural Technician	Nonspecific injuries and disorders, unspecified	1.63
Horticultural Technician	Oth combinations of traumatic inj. & Disorders, N.E.C.	0.41
Horticultural Technician	Rotator cuff tear	0.82
Horticultural Technician	Soft tissue injury	1.22
Horticultural Technician	Spasms or tremors, N.E.C.	0.41
Horticultural Technician	Tendonitis	2.04
Horticultural Technician	Tenosynovitis	0.41
Horticultural Technician	Traum inj. musculoskeletal sys tendons ligaments joints N.E.C.	0.41
Horticultural Technician	Traumatic epicondylitis	0.41
Horticultural Technician	Traumatic herniated disc	1.22
Horticultural Technician	Traumatic inj. To muscles, joints, etc. Uns	0.41
Horticultural Technician	Traumatic lumbago	0.82
Horticultural Technician	Traumatic sciatica	0.41
Horticultural Technician	Traumatic tendinitis (due to repetitive motions use 17330)	1.22
Horticultural Technician	Ventral hernia	0.41
IT - Contact Centre Customer Service Agent	Back pain, hurt back	1.08
IT - Contact Centre Customer Service Agent	Bursitis	0.22
IT - Contact Centre Customer Service Agent	Carpal tunnel syndrome	2.04
IT - Contact Centre Customer Service Agent	Epicondylitis	0.97
IT - Contact Centre Customer Service Agent	Ganglion/cystic tumor	0.11
IT - Contact Centre Customer Service Agent	Hernia, N.E.C.	0.22
IT - Contact Centre Customer Service Agent	Hernia, UNS	0.11
IT - Contact Centre Customer Service Agent	Herniated disc	0.11
IT - Contact Centre Customer Service Agent	Inguinal hernia	0.97
IT - Contact Centre Customer Service Agent	Meniscal tear	0.75
IT - Contact Centre Customer Service Agent	Musc. Syst. And connect. Tis. Dise. And disor., N.E.C.	0.11
IT - Contact Centre Customer Service Agent	Nonspecific injuries and disorders, unspecified	2.15
IT - Contact Centre Customer Service Agent	Oth combinations of traumatic inj. & Disorders, N.E.C.	0.11
IT - Contact Centre Customer Service Agent	Oth disorders of the peripheral nervous system, N.E.C.	0.22
IT - Contact Centre Customer Service Agent	Rotator cuff syndrome	0.22
IT - Contact Centre Customer Service Agent	Rotator cuff tear	0.75
IT - Contact Centre Customer Service Agent	Soft tissue injury	2.37
IT - Contact Centre Customer Service Agent	Soreness, pain, hurt, except the back	0.32
IT - Contact Centre Customer Service Agent	Sprains or strains and bruises	0.43
IT - Contact Centre Customer Service Agent	Sprains, strains, tears, N.E.C.	0.11
IT - Contact Centre Customer Service Agent	Tendonitis	2.47
IT - Contact Centre Customer Service Agent	Tenosynovitis	0.65
IT - Contact Centre Customer Service Agent	Traum inj. musculoskeletal sys tendons ligaments joints N.E.C.	0.22
IT - Contact Centre Customer Service Agent	Traumatic bursitis (due to repetitive motions use 17310)	0.11
IT - Contact Centre Customer Service Agent	Traumatic epicondylitis	0.22
IT - Contact Centre Customer Service Agent	Traumatic ganglion	0.11
IT - Contact Centre Customer Service Agent	Traumatic herniated disc	0.32
IT - Contact Centre Customer Service Agent	Traumatic inj. To muscles, joints, etc. Uns	0.65
IT - Contact Centre Customer Service Agent	Traumatic lumbago	0.97
IT - Contact Centre Customer Service Agent	Traumatic tendinitis (due to repetitive motions use 17330)	1.61
IT - Contact Centre Customer Service Agent	Traumatic tenosynovitis	0.11
IT - Contact Centre Customer Service Agent	Trigger finger	0.11
Micro Electronics Manufacturer	Back pain, hurt back	4.35
Micro Electronics Manufacturer	Hernia, UNS	1.45
Micro Electronics Manufacturer	Inflam. And irrit. Of joints, tend., muscul., and con. Tis.N.E.C.	2.9
Micro Electronics Manufacturer	Nonspecific injuries and disorders, unspecified	2.9
Micro Electronics Manufacturer	Soreness, pain, hurt, except the back	1.45
Micro Electronics Manufacturer	Sprains, strains, tears, N.E.C.	1.45
Micro Electronics Manufacturer	Traumatic herniated disc	1.45
Micro Electronics Manufacturer	Traumatic lumbago	2.9
Micro Electronics Manufacturer	Traumatic radiculitis	1.45
Micro Electronics Manufacturer	Traumatic tendinitis (due to repetitive motions use 17330)	1.45



Network Cabling Specialist	Back pain, hurt back	2.4
Network Cabling Specialist	Carpal tunnel syndrome	1.2
Network Cabling Specialist	Disc disorders, unspecified	0.4
Network Cabling Specialist	Epicondylitis	0.8
Network Cabling Specialist	Hernia, N.E.C.	1.2
Network Cabling Specialist	Herniated disc	0.4
Network Cabling Specialist	Inguinal hernia	0.8
Network Cabling Specialist	Meniscal tear	0.8
Network Cabling Specialist	Nonspecific injuries and disorders, unspecified	2
Network Cabling Specialist	Oth combinations of traumatic inj. & Disorders, N.E.C.	0.8
Network Cabling Specialist	Sciatica	0.4
Network Cabling Specialist	Soft tissue injury	2
Network Cabling Specialist	Soreness, pain, hurt, except the back	0.8
Network Cabling Specialist	Sprains, strains, tears, N.E.C.	0.8
Network Cabling Specialist	Tenosynovitis	0.8
Network Cabling Specialist	Traumatic inj. To muscles,, joints, etc. Uns	0.8
Network Cabling Specialist	Traumatic lumbago	0.4
Network Cabling Specialist	Traumatic tendinitis (due to repetitive motions use 17330)	2
Network Cabling Specialist	Trigger finger	0.4
Pool, Hot Tub and Spa - Installer	Back pain, hurt back	1.34
Pool, Hot Tub and Spa - Installer	Bursitis	0.56
Pool, Hot Tub and Spa - Installer	Carpal tunnel syndrome	0.56
Pool, Hot Tub and Spa - Installer	Disc disorders, N.E.C.	0.11
Pool, Hot Tub and Spa - Installer	Epicondylitis	0.22
Pool, Hot Tub and Spa - Installer	Ganglion/cystic tumor	0.11
Pool, Hot Tub and Spa - Installer	Hernia, N.E.C.	0.67
Pool, Hot Tub and Spa - Installer	Hernia, UNS	0.11
Pool, Hot Tub and Spa - Installer	Herniated disc	0.22
Pool, Hot Tub and Spa - Installer	Inflam. And irrit. Of joints, tend., muscul., and con. Tis.N.E.C.	0.33
Pool, Hot Tub and Spa - Installer	Inguinal hernia	1.9
Pool, Hot Tub and Spa - Installer	Lumbago	0.11
Pool, Hot Tub and Spa - Installer	Meniscal tear	1.67
Pool, Hot Tub and Spa - Installer	Multiple nonspecific injuries and disorders	0.11
Pool, Hot Tub and Spa - Installer	Nonspecific injuries and disorders, N.E.C.	0.11
Pool, Hot Tub and Spa - Installer	Nonspecific injuries and disorders, unspecified	2.23
Pool, Hot Tub and Spa - Installer	Oth combinations of traumatic inj. & Disorders, N.E.C.	0.11
Pool, Hot Tub and Spa - Installer	Raynaud's syndrome or phenomenon, vibration induced white fi	0.11
Pool, Hot Tub and Spa - Installer	Rotator cuff syndrome	0.11
Pool, Hot Tub and Spa - Installer	Rotator cuff tear	1
Pool, Hot Tub and Spa - Installer	Sciatica	0.11
Pool, Hot Tub and Spa - Installer	Soft tissue injury	2.23
Pool, Hot Tub and Spa - Installer	Soreness, pain, hurt, except the back	0.33
Pool, Hot Tub and Spa - Installer	Spasms or tremors, N.E.C.	0.11
Pool, Hot Tub and Spa - Installer	Sprains, strains, tears, N.E.C.	0.11
Pool, Hot Tub and Spa - Installer	Tendonitis	1.11
Pool, Hot Tub and Spa - Installer	Tenosynovitis	0.11
Pool, Hot Tub and Spa - Installer	Traum inj's muscelskeletal sys tendons ligmnts joints N.E.C.	0.56
Pool, Hot Tub and Spa - Installer	Traum inj's muscelskeletal sys tendons ligmnts joints UNSPEC.	0.22
Pool, Hot Tub and Spa - Installer	Traumatic bursitis (due to repetitive motions use 17310)	0.33
Pool, Hot Tub and Spa - Installer	Traumatic cervicalgia	0.11
Pool, Hot Tub and Spa - Installer	Traumatic disc disorders, N.E.C.	0.11
Pool, Hot Tub and Spa - Installer	Traumatic epicondylitis	0.11
Pool, Hot Tub and Spa - Installer	Traumatic herniated disc	0.56
Pool, Hot Tub and Spa - Installer	Traumatic injuries & disorders, UNS	0.11
Pool, Hot Tub and Spa - Installer	Traumatic lumbago	1
Pool, Hot Tub and Spa - Installer	Traumatic radiculitis	0.11
Pool, Hot Tub and Spa - Installer	Traumatic sciatica	0.22
Pool, Hot Tub and Spa - Installer	Traumatic tendinitis (due to repetitive motions use 17330)	2.01
Pool, Hot Tub and Spa - Installer	Traumatic tenosynovitis	0.11
Pool, Hot Tub and Spa - Installer	Ventral hernia	0.22
Retail Meat Cutter	Carpal tunnel syndrome	3.51
Retail Meat Cutter	Dupuytren's contracture	0.58
Retail Meat Cutter	Ganglion/cystic tumor	0.58



Retail Meat Cutter	Hernia, N.E.C.	0.58
Retail Meat Cutter	Hernia, UNS	0.58
Retail Meat Cutter	Inguinal hernia	1.17
Retail Meat Cutter	Nonspecific injuries and disorders, unspecified	1.17
Retail Meat Cutter	Rotator cuff tear	1.75
Retail Meat Cutter	Soreness, pain, hurt, except the back	0.58
Retail Meat Cutter	Sprains or strains and bruises	1.17
Retail Meat Cutter	Tendonitis	3.51
Retail Meat Cutter	Tenosynovitis	0.58
Retail Meat Cutter	Traum injns musclskeletal sys tendons ligmnts joints N.E.C.	0.58
Retail Meat Cutter	Traumatic inj. To muscles,, joints, etc. Uns	1.17
Retail Meat Cutter	Traumatic lumbago	0.58
Retail Meat Cutter	Traumatic tendinitis (due to repetitive motions use 17330)	0.58
Retail Meat Cutter	Ventral hernia	0.58
Utility Arborist	Carpal tunnel syndrome	0.41
Utility Arborist	Epicondylitis	0.41
Utility Arborist	Herniated disc	0.41
Utility Arborist	Inflam. And irrit. Of joints, tend., musc., and con. Tis.N.E.C.	0.41
Utility Arborist	Inguinal hernia	2.04
Utility Arborist	Meniscal tear	1.22
Utility Arborist	Nonspecific injuries and disorders, unspecified	1.63
Utility Arborist	Oth combinations of traumatic inj. & Disorders, N.E.C.	0.41
Utility Arborist	Rotator cuff tear	0.82
Utility Arborist	Soft tissue injury	1.22
Utility Arborist	Spasms or tremors, N.E.C.	0.41
Utility Arborist	Tendonitis	2.04
Utility Arborist	Tenosynovitis	0.41
Utility Arborist	Traum injns musclskeletal sys tendons ligmnts joints N.E.C.	0.41
Utility Arborist	Traumatic epicondylitis	0.41
Utility Arborist	Traumatic herniated disc	1.22
Utility Arborist	Traumatic inj. To muscles,, joints, etc. Uns	0.41
Utility Arborist	Traumatic lumbago	0.82
Utility Arborist	Traumatic sciatica	0.41
Utility Arborist	Traumatic tendinitis (due to repetitive motions use 17330)	1.22
Utility Arborist	Ventral hernia	0.41

Table B.8. Body parts in the *Other* category (*fall to lower level claims*)

Trade	Body part	Claims (% Total)
Aboriginal Child Development Practitioner	Arm(s)	2.41
Aboriginal Child Development Practitioner	Chest, including ribs, internal organs	1.2
Aboriginal Child Development Practitioner	Cranial region, including skull	6.02
Aboriginal Child Development Practitioner	Face	1.2
Aboriginal Child Development Practitioner	Foot(feet), except toe(s)	6.02
Aboriginal Child Development Practitioner	Leg(s)	4.82
Aboriginal Child Development Practitioner	Multiple lower extremities locations	4.82
Aboriginal Child Development Practitioner	Multiple trunk locations	2.41
Aboriginal Child Development Practitioner	Multiple upper extremities locations	1.2
Aboriginal Child Development Practitioner	Pelvic region	2.41
Aboriginal Child Development Practitioner	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	3.61
Aboriginal Child Development Practitioner	Wrist(s)	2.41
Appliance Service Technician	Abdomen	5.88
Appliance Service Technician	Arm(s)	5.88
Appliance Service Technician	Wrist(s)	5.88
Arborist	Arm(s)	8.11
Arborist	Chest, including ribs, internal organs	5.41
Arborist	Cranial region, including skull	5.41
Arborist	Leg(s)	8.11
Arborist	Multiple body parts	8.11
Arborist	Multiple lower extremities locations	2.7
Arborist	Pelvic region	5.41
Arborist	Wrist(s)	5.41
Assistant Cook	Arm(s)	3.68
Assistant Cook	Chest, including ribs, internal organs	1.84
Assistant Cook	Cranial region, including skull	5.52
Assistant Cook	Finger(s), fingernail(s)	1.84
Assistant Cook	Foot(feet), except toe(s)	2.45
Assistant Cook	Hand(s), except finger(s)	1.23
Assistant Cook	Head, uns.	0.61
Assistant Cook	Leg(s)	6.75
Assistant Cook	Multiple lower extremities locations	1.23
Assistant Cook	Multiple trunk locations	4.91
Assistant Cook	Multiple upper extremities locations	1.84
Assistant Cook	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	6.13
Assistant Cook	Wrist(s)	3.07
Baker	Abdomen	2.78
Baker	Arm(s)	2.78
Baker	Foot(feet), except toe(s)	2.78
Baker	Leg(s)	8.33
Baker	Multiple trunk locations	5.56
Baker	Pelvic region	2.78
Baker	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	2.78
Baker-Patissier	Abdomen	2.78
Baker-Patissier	Arm(s)	2.78
Baker-Patissier	Foot(feet), except toe(s)	2.78
Baker-Patissier	Leg(s)	8.33
Baker-Patissier	Multiple trunk locations	5.56
Baker-Patissier	Pelvic region	2.78
Baker-Patissier	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	2.78
Bicycle Mechanic	Arm(s)	5.88
Bicycle Mechanic	Chest, including ribs, internal organs	1.47
Bicycle Mechanic	Cranial region, including skull	5.88
Bicycle Mechanic	Foot(feet), except toe(s)	2.94
Bicycle Mechanic	Hand(s), except finger(s)	1.47
Bicycle Mechanic	Multiple lower extremities locations	1.47
Bicycle Mechanic	Multiple trunk locations	4.41
Bicycle Mechanic	Pelvic region	8.82

Bicycle Mechanic	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	4.41
Bicycle Mechanic	Wrist(s)	4.41
Chef	Arm(s)	3.57
Chef	Chest, including ribs, internal organs	3.57
Chef	Cranial region, including skull	3.57
Chef	Foot(feet), except toe(s)	3.57
Chef	Hand(s), except finger(s)	3.57
Chef	Head, uns.	3.57
Chef	Leg(s)	3.57
Chef	Multiple trunk locations	3.57
Chef	Toe(s), toenail(s)	3.57
Child and Youth Worker	Arm(s)	3.07
Child and Youth Worker	Cranial region, including skull	9.82
Child and Youth Worker	Foot(feet), except toe(s)	4.91
Child and Youth Worker	Hand(s), except finger(s)	1.23
Child and Youth Worker	Leg(s)	7.36
Child and Youth Worker	Multiple head locations	0.61
Child and Youth Worker	Multiple lower extremities locations	4.29
Child and Youth Worker	Multiple trunk locations	1.23
Child and Youth Worker	Neck, except internal location of diseases or disorders	1.84
Child and Youth Worker	Pelvic region	1.23
Child and Youth Worker	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	3.07
Child and Youth Worker	Toe(s), toenail(s)	0.61
Child and Youth Worker	Wrist(s)	3.68
Child Development Practitioner	Arm(s)	2.41
Child Development Practitioner	Chest, including ribs, internal organs	1.2
Child Development Practitioner	Cranial region, including skull	6.02
Child Development Practitioner	Face	1.2
Child Development Practitioner	Foot(feet), except toe(s)	6.02
Child Development Practitioner	Leg(s)	4.82
Child Development Practitioner	Multiple lower extremities locations	4.82
Child Development Practitioner	Multiple trunk locations	2.41
Child Development Practitioner	Multiple upper extremities locations	1.2
Child Development Practitioner	Pelvic region	2.41
Child Development Practitioner	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	3.61
Child Development Practitioner	Wrist(s)	2.41
Child Development Practitioner - Inclusion Practices	Arm(s)	2.41
Child Development Practitioner - Inclusion Practices	Chest, including ribs, internal organs	1.2
Child Development Practitioner - Inclusion Practices	Cranial region, including skull	6.02
Child Development Practitioner - Inclusion Practices	Face	1.2
Child Development Practitioner - Inclusion Practices	Foot(feet), except toe(s)	6.02
Child Development Practitioner - Inclusion Practices	Leg(s)	4.82
Child Development Practitioner - Inclusion Practices	Multiple lower extremities locations	4.82
Child Development Practitioner - Inclusion Practices	Multiple trunk locations	2.41
Child Development Practitioner - Inclusion Practices	Multiple upper extremities locations	1.2
Child Development Practitioner - Inclusion Practices	Pelvic region	2.41
Child Development Practitioner - Inclusion Practices	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	3.61
Child Development Practitioner - Inclusion Practices	Wrist(s)	2.41
Cook	Arm(s)	3.68
Cook	Chest, including ribs, internal organs	1.84
Cook	Cranial region, including skull	5.52
Cook	Finger(s), fingernail(s)	1.84
Cook	Foot(feet), except toe(s)	2.45
Cook	Hand(s), except finger(s)	1.23
Cook	Head, uns.	0.61
Cook	Leg(s)	6.75
Cook	Multiple lower extremities locations	1.23
Cook	Multiple trunk locations	4.91
Cook	Multiple upper extremities locations	1.84
Cook	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	6.13
Cook	Wrist(s)	3.07
Developmental Services Worker	Arm(s)	3.07
Developmental Services Worker	Cranial region, including skull	9.82

Developmental Services Worker	Foot(feet), except toe(s)	4.91
Developmental Services Worker	Hand(s), except finger(s)	1.23
Developmental Services Worker	Leg(s)	7.36
Developmental Services Worker	Multiple head locations	0.61
Developmental Services Worker	Multiple lower extremities locations	4.29
Developmental Services Worker	Multiple trunk locations	1.23
Developmental Services Worker	Neck, except internal location of diseases or disorders	1.84
Developmental Services Worker	Pelvic region	1.23
Developmental Services Worker	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	3.07
Developmental Services Worker	Toe(s), toenail(s)	0.61
Developmental Services Worker	Wrist(s)	3.68
Educational Assistant	Arm(s)	1.97
Educational Assistant	Back, including spine, spinal cord	10.84
Educational Assistant	Chest, including ribs, internal organs	0.99
Educational Assistant	Cranial region, including skull	9.85
Educational Assistant	Finger(s), fingernail(s)	0.99
Educational Assistant	Foot(feet), except toe(s)	2.96
Educational Assistant	Hand(s), except finger(s)	0.49
Educational Assistant	Head, uns.	0.49
Educational Assistant	Lower extremities, n.e.c.	0.49
Educational Assistant	Multiple lower extremities locations	1.97
Educational Assistant	Multiple trunk locations	2.46
Educational Assistant	Multiple upper extremities locations	1.48
Educational Assistant	Neck, except internal location of diseases or disorders	0.99
Educational Assistant	Pelvic region	1.48
Educational Assistant	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	3.94
Educational Assistant	Wrist(s)	0.99
Electronic Service Technician	Ankle(s)	10.94
Electronic Service Technician	Arm(s)	6.25
Electronic Service Technician	Chest, including ribs, internal organs	1.56
Electronic Service Technician	Cranial region, including skull	7.81
Electronic Service Technician	Face	1.56
Electronic Service Technician	Finger(s), fingernail(s)	1.56
Electronic Service Technician	Foot(feet), except toe(s)	6.25
Electronic Service Technician	Hand(s), except finger(s)	1.56
Electronic Service Technician	Multiple lower extremities locations	3.12
Electronic Service Technician	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	9.38
Electronic Service Technician	Wrist(s)	1.56
Hardware, Lumber and Building Materials Retailer	Ankle(s)	11.06
Hardware, Lumber and Building Materials Retailer	Arm(s)	5.53
Hardware, Lumber and Building Materials Retailer	Back, including spine, spinal cord	8.76
Hardware, Lumber and Building Materials Retailer	Chest, including ribs, internal organs	0.46
Hardware, Lumber and Building Materials Retailer	Face	0.92
Hardware, Lumber and Building Materials Retailer	Finger(s), fingernail(s)	0.46
Hardware, Lumber and Building Materials Retailer	Foot(feet), except toe(s)	6.45
Hardware, Lumber and Building Materials Retailer	Head, n.e.c.	0.46
Hardware, Lumber and Building Materials Retailer	Head, uns.	0.46
Hardware, Lumber and Building Materials Retailer	Lower extremities, n.e.c.	0.46
Hardware, Lumber and Building Materials Retailer	Multiple lower extremities locations	4.15
Hardware, Lumber and Building Materials Retailer	Multiple trunk locations	3.69
Hardware, Lumber and Building Materials Retailer	Multiple upper extremities locations	0.46
Hardware, Lumber and Building Materials Retailer	Neck, except internal location of diseases or disorders	0.92
Hardware, Lumber and Building Materials Retailer	Pelvic region	2.76
Hardware, Lumber and Building Materials Retailer	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	3.23
Hardware, Lumber and Building Materials Retailer	Wrist(s)	5.07
Horticultural Technician	Arm(s)	8.11
Horticultural Technician	Chest, including ribs, internal organs	5.41
Horticultural Technician	Cranial region, including skull	5.41
Horticultural Technician	Leg(s)	8.11
Horticultural Technician	Multiple body parts	8.11
Horticultural Technician	Multiple lower extremities locations	2.7
Horticultural Technician	Pelvic region	5.41
Horticultural Technician	Wrist(s)	5.41

Institutional Cook	Arm(s)	3.68
Institutional Cook	Chest, including ribs, internal organs	1.84
Institutional Cook	Cranial region, including skull	5.52
Institutional Cook	Finger(s), fingernail(s)	1.84
Institutional Cook	Foot(feet), except toe(s)	2.45
Institutional Cook	Hand(s), except finger(s)	1.23
Institutional Cook	Head, uns.	0.61
Institutional Cook	Leg(s)	6.75
Institutional Cook	Multiple lower extremities locations	1.23
Institutional Cook	Multiple trunk locations	4.91
Institutional Cook	Multiple upper extremities locations	1.84
Institutional Cook	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	6.13
Institutional Cook	Wrist(s)	3.07
IT - Contact Centre Customer Service Agent	Ankle(s)	8.53
IT - Contact Centre Customer Service Agent	Arm(s)	2.33
IT - Contact Centre Customer Service Agent	Chest, including ribs, internal organs	0.78
IT - Contact Centre Customer Service Agent	Cranial region, including skull	6.2
IT - Contact Centre Customer Service Agent	Finger(s), fingernail(s)	0.78
IT - Contact Centre Customer Service Agent	Foot(feet), except toe(s)	4.65
IT - Contact Centre Customer Service Agent	Multiple lower extremities locations	2.33
IT - Contact Centre Customer Service Agent	Multiple trunk locations	4.65
IT - Contact Centre Customer Service Agent	Multiple upper extremities locations	0.78
IT - Contact Centre Customer Service Agent	Neck, except internal location of diseases or disorders	1.55
IT - Contact Centre Customer Service Agent	Pelvic region	2.33
IT - Contact Centre Customer Service Agent	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	3.1
IT - Contact Centre Customer Service Agent	Toe(s), toenail(s)	0.78
IT - Contact Centre Customer Service Agent	Wrist(s)	6.98
IT - Contact Centre Sales Agent	Ankle(s)	8.53
IT - Contact Centre Sales Agent	Arm(s)	2.33
IT - Contact Centre Sales Agent	Chest, including ribs, internal organs	0.78
IT - Contact Centre Sales Agent	Cranial region, including skull	6.2
IT - Contact Centre Sales Agent	Finger(s), fingernail(s)	0.78
IT - Contact Centre Sales Agent	Foot(feet), except toe(s)	4.65
IT - Contact Centre Sales Agent	Multiple lower extremities locations	2.33
IT - Contact Centre Sales Agent	Multiple trunk locations	4.65
IT - Contact Centre Sales Agent	Multiple upper extremities locations	0.78
IT - Contact Centre Sales Agent	Neck, except internal location of diseases or disorders	1.55
IT - Contact Centre Sales Agent	Pelvic region	2.33
IT - Contact Centre Sales Agent	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	3.1
IT - Contact Centre Sales Agent	Toe(s), toenail(s)	0.78
IT - Contact Centre Sales Agent	Wrist(s)	6.98
Micro Electronics Manufacturer	Arm(s)	5.88
Micro Electronics Manufacturer	Back, including spine, spinal cord	5.88
Micro Electronics Manufacturer	Chest, including ribs, internal organs	5.88
Micro Electronics Manufacturer	Foot(feet), except toe(s)	5.88
Micro Electronics Manufacturer	Leg(s)	5.88
Micro Electronics Manufacturer	Multiple trunk locations	5.88
Micro Electronics Manufacturer	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	5.88
Network Cabling Specialist	Ankle(s)	6.9
Network Cabling Specialist	Arm(s)	6.9
Network Cabling Specialist	Back, including spine, spinal cord	6.9
Network Cabling Specialist	Chest, including ribs, internal organs	1.72
Network Cabling Specialist	Foot(feet), except toe(s)	6.9
Network Cabling Specialist	Leg(s)	6.9
Network Cabling Specialist	Multiple lower extremities locations	1.72
Network Cabling Specialist	Multiple trunk locations	5.17
Network Cabling Specialist	Multiple upper extremities locations	3.45
Network Cabling Specialist	Neck, except internal location of diseases or disorders	1.72
Network Cabling Specialist	Pelvic region	6.9
Network Cabling Specialist	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	5.17
Parts Technician	Back, including spine, spinal cord	9.38
Parts Technician	Cranial region, including skull	6.25
Parts Technician	Face	3.12

Parts Technician	Finger(s), fingernail(s)	3.12
Parts Technician	Leg(s)	3.12
Parts Technician	Multiple trunk locations	6.25
Parts Technician	Pelvic region	6.25
Parts Technician	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	9.38
Parts Technician	Wrist(s)	6.25
Pool, Hot Tub and Spa - Installer	Abdomen	0.27
Pool, Hot Tub and Spa - Installer	Arm(s)	6.01
Pool, Hot Tub and Spa - Installer	Back, including spine, spinal cord	9.02
Pool, Hot Tub and Spa - Installer	Chest, including ribs, internal organs	4.92
Pool, Hot Tub and Spa - Installer	Cranial region, including skull	7.38
Pool, Hot Tub and Spa - Installer	Face	0.55
Pool, Hot Tub and Spa - Installer	Finger(s), fingernail(s)	0.55
Pool, Hot Tub and Spa - Installer	Foot(feet), except toe(s)	5.19
Pool, Hot Tub and Spa - Installer	Hand(s), except finger(s)	0.27
Pool, Hot Tub and Spa - Installer	Head, uns.	0.27
Pool, Hot Tub and Spa - Installer	Multiple lower extremities locations	3.28
Pool, Hot Tub and Spa - Installer	Multiple trunk locations	1.91
Pool, Hot Tub and Spa - Installer	Multiple upper extremities locations	1.37
Pool, Hot Tub and Spa - Installer	Neck, except internal location of diseases or disorders	0.55
Pool, Hot Tub and Spa - Installer	Pelvic region	2.19
Pool, Hot Tub and Spa - Installer	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	7.65
Pool, Hot Tub and Spa - Installer	Toe(s), toenail(s)	1.09
Pool, Hot Tub and Spa - Installer	Wrist(s)	8.47
Pool, Hot Tub and Spa - Service Technician	Abdomen	0.27
Pool, Hot Tub and Spa - Service Technician	Arm(s)	6.01
Pool, Hot Tub and Spa - Service Technician	Back, including spine, spinal cord	9.02
Pool, Hot Tub and Spa - Service Technician	Chest, including ribs, internal organs	4.92
Pool, Hot Tub and Spa - Service Technician	Cranial region, including skull	7.38
Pool, Hot Tub and Spa - Service Technician	Face	0.55
Pool, Hot Tub and Spa - Service Technician	Finger(s), fingernail(s)	0.55
Pool, Hot Tub and Spa - Service Technician	Foot(feet), except toe(s)	5.19
Pool, Hot Tub and Spa - Service Technician	Hand(s), except finger(s)	0.27
Pool, Hot Tub and Spa - Service Technician	Head, uns.	0.27
Pool, Hot Tub and Spa - Service Technician	Multiple lower extremities locations	3.28
Pool, Hot Tub and Spa - Service Technician	Multiple trunk locations	1.91
Pool, Hot Tub and Spa - Service Technician	Multiple upper extremities locations	1.37
Pool, Hot Tub and Spa - Service Technician	Neck, except internal location of diseases or disorders	0.55
Pool, Hot Tub and Spa - Service Technician	Pelvic region	2.19
Pool, Hot Tub and Spa - Service Technician	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	7.65
Pool, Hot Tub and Spa - Service Technician	Toe(s), toenail(s)	1.09
Pool, Hot Tub and Spa - Service Technician	Wrist(s)	8.47
Utility Arborist	Arm(s)	8.11
Utility Arborist	Chest, including ribs, internal organs	5.41
Utility Arborist	Cranial region, including skull	5.41
Utility Arborist	Leg(s)	8.11
Utility Arborist	Multiple body parts	8.11
Utility Arborist	Multiple lower extremities locations	2.7
Utility Arborist	Pelvic region	5.41
Utility Arborist	Wrist(s)	5.41

Table B.9. Event Description in the *Other* category (fall to lower level claims)

Trade	Event description	Claims (% Total)
Aboriginal Child Development Practitioner	Fall down stairs or steps	59.04
Aboriginal Child Development Practitioner	Fall from ladder	9.64
Aboriginal Child Development Practitioner	Fall from nonmoving vehicle	4.82
Aboriginal Child Development Practitioner	Fall to lower level, N.E.C.	22.89
Aboriginal Child Development Practitioner	Fall to lower level, UNS	3.61
Appliance Service Technician	Fall down stairs or steps	23.53
Appliance Service Technician	Fall from ladder	41.18
Appliance Service Technician	Fall from nonmoving vehicle	23.53
Appliance Service Technician	Fall to lower level, N.E.C.	11.76
Arborist	Fall down stairs or steps	10.81
Arborist	Fall from ladder	27.03
Arborist	Fall from nonmoving vehicle	32.43
Arborist	Fall to lower level, N.E.C.	27.03
Arborist	Fall to lower level, UNS	2.7
Assistant Cook	Fall down stairs or steps	77.3
Assistant Cook	Fall from floor, dock, or ground level, N.E.C.	0.61
Assistant Cook	Fall from ground level to lower level	0.61
Assistant Cook	Fall from ladder	14.11
Assistant Cook	Fall from loading dock	0.61
Assistant Cook	Fall from nonmoving vehicle	2.45
Assistant Cook	Fall to lower level, N.E.C.	3.68
Assistant Cook	Fall to lower level, UNS	0.61
Baker	Fall down stairs or steps	33.33
Baker	Fall from ladder	50
Baker	Fall from loading dock	2.78
Baker	Fall from roof, UNS	2.78
Baker	Fall to lower level, N.E.C.	11.11
Baker-Pâtissier	Fall down stairs or steps	33.33
Baker-Pâtissier	Fall from ladder	50
Baker-Pâtissier	Fall from loading dock	2.78
Baker-Pâtissier	Fall from roof, UNS	2.78
Baker-Pâtissier	Fall to lower level, N.E.C.	11.11
Bicycle Mechanic	Fall down stairs or steps	26.47
Bicycle Mechanic	Fall from ground level to lower level	2.94
Bicycle Mechanic	Fall from ladder	36.76
Bicycle Mechanic	Fall from nonmoving vehicle	10.29
Bicycle Mechanic	Fall from scaffold, staging	4.41
Bicycle Mechanic	Fall through existing floor opening	1.47
Bicycle Mechanic	Fall to lower level, N.E.C.	14.71
Bicycle Mechanic	Fall to lower level, UNS	2.94
Chef	Fall down stairs or steps	85.71
Chef	Fall from ladder	10.71
Chef	Fall from nonmoving vehicle	3.57
Child and Youth Worker	Fall down stairs or steps	80.37
Child and Youth Worker	Fall from ground level to lower level	0.61
Child and Youth Worker	Fall from ladder	1.23
Child and Youth Worker	Fall from nonmoving vehicle	4.91
Child and Youth Worker	Fall to lower level, N.E.C.	11.66
Child and Youth Worker	Fall to lower level, UNS	1.23
Child Development Practitioner	Fall down stairs or steps	59.04
Child Development Practitioner	Fall from ladder	9.64
Child Development Practitioner	Fall from nonmoving vehicle	4.82
Child Development Practitioner	Fall to lower level, N.E.C.	22.89
Child Development Practitioner	Fall to lower level, UNS	3.61
Child Development Practitioner - Inclusion Practices	Fall down stairs or steps	59.04
Child Development Practitioner - Inclusion Practices	Fall from ladder	9.64
Child Development Practitioner - Inclusion Practices	Fall from nonmoving vehicle	4.82
Child Development Practitioner - Inclusion Practices	Fall to lower level, N.E.C.	22.89



Child Development Practitioner - Inclusion Practices	Fall to lower level, UNS	3.61
Cook	Fall down stairs or steps	77.3
Cook	Fall from floor, dock, or ground level, N.E.C.	0.61
Cook	Fall from ground level to lower level	0.61
Cook	Fall from ladder	14.11
Cook	Fall from loading dock	0.61
Cook	Fall from nonmoving vehicle	2.45
Cook	Fall to lower level, N.E.C.	3.68
Cook	Fall to lower level, UNS	0.61
Developmental Services Worker	Fall down stairs or steps	80.37
Developmental Services Worker	Fall from ground level to lower level	0.61
Developmental Services Worker	Fall from ladder	1.23
Developmental Services Worker	Fall from nonmoving vehicle	4.91
Developmental Services Worker	Fall to lower level, N.E.C.	11.66
Developmental Services Worker	Fall to lower level, UNS	1.23
Educational Assistant	Fall down stairs or steps	67.98
Educational Assistant	Fall from floor, dock, or ground level, N.E.C.	0.99
Educational Assistant	Fall from ladder	3.45
Educational Assistant	Fall from nonmoving vehicle	6.4
Educational Assistant	Fall to lower level, N.E.C.	16.26
Educational Assistant	Fall to lower level, UNS	4.93
Electronic Service Technician	Fall down stairs or steps	29.69
Electronic Service Technician	Fall from ladder	51.56
Electronic Service Technician	Fall from nonmoving vehicle	4.69
Electronic Service Technician	Fall from roof, N.E.C.	1.56
Electronic Service Technician	Fall from scaffold, staging	1.56
Electronic Service Technician	Fall through existing floor opening	4.69
Electronic Service Technician	Fall to lower level, N.E.C.	3.12
Electronic Service Technician	Fall to lower level, UNS	3.12
Hairstylist	Fall down stairs or steps	16.67
Hairstylist	Fall from ladder	50
Hairstylist	Fall to lower level, N.E.C.	33.33
Hardware, Lumber and Building Materials Retailer	Fall down stairs or steps	23.04
Hardware, Lumber and Building Materials Retailer	Fall from floor, dock, or ground level, N.E.C.	0.46
Hardware, Lumber and Building Materials Retailer	Fall from ladder	62.21
Hardware, Lumber and Building Materials Retailer	Fall from nonmoving vehicle	2.76
Hardware, Lumber and Building Materials Retailer	Fall from scaffold, staging	0.92
Hardware, Lumber and Building Materials Retailer	Fall through floor surface	0.92
Hardware, Lumber and Building Materials Retailer	Fall to lower level, N.E.C.	9.68
Horse Groom	Fall down stairs or steps	10
Horse Groom	Fall from ladder	10
Horse Groom	Fall from nonmoving vehicle	10
Horse Groom	Fall to lower level, N.E.C.	60
Horse Groom	Fall to lower level, UNS	10
Horse Harness Maker	Fall to lower level, N.E.C.	100
Horticultural Technician	Fall down stairs or steps	10.81
Horticultural Technician	Fall from ladder	27.03
Horticultural Technician	Fall from nonmoving vehicle	32.43
Horticultural Technician	Fall to lower level, N.E.C.	27.03
Horticultural Technician	Fall to lower level, UNS	2.7
Institutional Cook	Fall down stairs or steps	77.3
Institutional Cook	Fall from floor, dock, or ground level, N.E.C.	0.61
Institutional Cook	Fall from ground level to lower level	0.61
Institutional Cook	Fall from ladder	14.11
Institutional Cook	Fall from loading dock	0.61
Institutional Cook	Fall from nonmoving vehicle	2.45
Institutional Cook	Fall to lower level, N.E.C.	3.68
Institutional Cook	Fall to lower level, UNS	0.61
Micro Electronics Manufacturer	Fall down stairs or steps	17.65
Micro Electronics Manufacturer	Fall from ladder	76.47
Micro Electronics Manufacturer	Fall from loading dock	5.88
Native Clothing and Crafts Artisan	Fall from ladder	100
Network Cabling Specialist	Fall down stairs or steps	22.41



Network Cabling Specialist	Fall from floor, dock, or ground level, N.E.C.	1.72
Network Cabling Specialist	Fall from ground level to lower level	1.72
Network Cabling Specialist	Fall from ladder	51.72
Network Cabling Specialist	Fall from nonmoving vehicle	13.79
Network Cabling Specialist	Fall from roof, N.E.C.	1.72
Network Cabling Specialist	Fall from scaffold, staging	3.45
Network Cabling Specialist	Fall to lower level, N.E.C.	3.45
Parts Technician	Fall down stairs or steps	28.12
Parts Technician	Fall from ladder	34.38
Parts Technician	Fall from loading dock	3.12
Parts Technician	Fall from nonmoving vehicle	3.12
Parts Technician	Fall from piled or stacked material	6.25
Parts Technician	Fall from scaffold, staging	3.12
Parts Technician	Fall to lower level, N.E.C.	18.75
Parts Technician	Fall to lower level, UNS	3.12
Pool, Hot Tub and Spa - Installer	Fall down stairs or steps	15.3
Pool, Hot Tub and Spa - Installer	Fall from building girders/oth structural steel	0.27
Pool, Hot Tub and Spa - Installer	Fall from floor, dock, or ground level, N.E.C.	0.27
Pool, Hot Tub and Spa - Installer	Fall from floor, dock, or ground level, UNS	0.27
Pool, Hot Tub and Spa - Installer	Fall from ground level to lower level	0.55
Pool, Hot Tub and Spa - Installer	Fall from ladder	54.1
Pool, Hot Tub and Spa - Installer	Fall from loading dock	0.55
Pool, Hot Tub and Spa - Installer	Fall from nonmoving vehicle	7.38
Pool, Hot Tub and Spa - Installer	Fall from piled or stacked material	0.55
Pool, Hot Tub and Spa - Installer	Fall from roof, N.E.C.	1.37
Pool, Hot Tub and Spa - Installer	Fall from roof, UNS	0.55
Pool, Hot Tub and Spa - Installer	Fall from scaffold, staging	5.46
Pool, Hot Tub and Spa - Installer	Fall through existing floor opening	1.09
Pool, Hot Tub and Spa - Installer	Fall through existing roof opening	0.27
Pool, Hot Tub and Spa - Installer	Fall through floor surface	0.55
Pool, Hot Tub and Spa - Installer	Fall through roof surface	0.55
Pool, Hot Tub and Spa - Installer	Fall to lower level, N.E.C.	9.84
Pool, Hot Tub and Spa - Installer	Fall to lower level, UNS	1.09
Pool, Hot Tub and Spa - Service Technician	Fall down stairs or steps	15.3
Pool, Hot Tub and Spa - Service Technician	Fall from building girders/oth structural steel	0.27
Pool, Hot Tub and Spa - Service Technician	Fall from floor, dock, or ground level, N.E.C.	0.27
Pool, Hot Tub and Spa - Service Technician	Fall from floor, dock, or ground level, UNS	0.27
Pool, Hot Tub and Spa - Service Technician	Fall from ground level to lower level	0.55
Pool, Hot Tub and Spa - Service Technician	Fall from ladder	54.1
Pool, Hot Tub and Spa - Service Technician	Fall from loading dock	0.55
Pool, Hot Tub and Spa - Service Technician	Fall from nonmoving vehicle	7.38
Pool, Hot Tub and Spa - Service Technician	Fall from piled or stacked material	0.55
Pool, Hot Tub and Spa - Service Technician	Fall from roof, N.E.C.	1.37
Pool, Hot Tub and Spa - Service Technician	Fall from roof, UNS	0.55
Pool, Hot Tub and Spa - Service Technician	Fall from scaffold, staging	5.46
Pool, Hot Tub and Spa - Service Technician	Fall through existing floor opening	1.09
Pool, Hot Tub and Spa - Service Technician	Fall through existing roof opening	0.27
Pool, Hot Tub and Spa - Service Technician	Fall through floor surface	0.55
Pool, Hot Tub and Spa - Service Technician	Fall through roof surface	0.55
Pool, Hot Tub and Spa - Service Technician	Fall to lower level, N.E.C.	9.84
Pool, Hot Tub and Spa - Service Technician	Fall to lower level, UNS	1.09
Retail Meat Cutter	Fall down stairs or steps	44.44
Retail Meat Cutter	Fall from ladder	33.33
Retail Meat Cutter	Fall from nonmoving vehicle	11.11
Retail Meat Cutter	Fall to lower level, N.E.C.	11.11
Saddlery	Fall to lower level, N.E.C.	100
Special Events Coordinator	Fall down stairs or steps	57.14
Special Events Coordinator	Fall from ladder	14.29
Special Events Coordinator	Fall to lower level, N.E.C.	28.57
Utility Arborist	Fall down stairs or steps	10.81
Utility Arborist	Fall from ladder	27.03
Utility Arborist	Fall from nonmoving vehicle	32.43
Utility Arborist	Fall to lower level, N.E.C.	27.03



Table B.10. Nature of Injury Descriptions in the *Other* category (*fall to lower level claims*)

Trade	Nature of injury description	Claims (% Total)
Aboriginal Child Development Practitioner	Concussions	4.82
Aboriginal Child Development Practitioner	Cuts, abrasions, bruises	2.41
Aboriginal Child Development Practitioner	Cuts, lacerations	3.61
Aboriginal Child Development Practitioner	Nonspecific injuries and disorders, unspecified	3.61
Aboriginal Child Development Practitioner	Oth combinations of traumatic inj. & Disorders, N.E.C.	1.2
Aboriginal Child Development Practitioner	Rotator cuff tear	1.2
Aboriginal Child Development Practitioner	Soft tissue injury	2.41
Aboriginal Child Development Practitioner	Soreness, pain, hurt, except the back	3.61
Aboriginal Child Development Practitioner	Sprains or strains and bruises	4.82
Arborist	Concussions	5.41
Arborist	Dislocations	2.7
Arborist	Fractures and other injuries	2.7
Arborist	Inter inju organ blood vessls vein lymph trunk up lower extrem	2.7
Arborist	Traumatic inj. To muscles, ..., joints, etc. Uns	2.7
Assistant Cook	Abrasions, scratches	0.61
Assistant Cook	Avulsions	0.61
Assistant Cook	Cerebral hemorrhages	0.61
Assistant Cook	Concussions	4.29
Assistant Cook	Cuts, lacerations	1.84
Assistant Cook	Dislocations	1.23
Assistant Cook	Intracranial injuries, UNS	0.61
Assistant Cook	Nonspecific injuries and disorders, N.E.C.	0.61
Assistant Cook	Nonspecific injuries and disorders, unspecified	4.91
Assistant Cook	Oth combinations of traumatic inj. & Disorders, N.E.C.	0.61
Assistant Cook	Soft tissue injury	6.13
Assistant Cook	Soreness, pain, hurt, except the back	1.84
Assistant Cook	Sprains or strains and bruises	2.45
Baker	Fractures	5.56
Baker	Fractures and other injuries	2.78
Baker	Meniscal tear	2.78
Baker	Nonspecific injuries and disorders, unspecified	2.78
Baker	Soft tissue injury	5.56
Baker	Sprains or strains and bruises	2.78
Baker-Patisier	Fractures	5.56
Baker-Patisier	Fractures and other injuries	2.78
Baker-Patisier	Meniscal tear	2.78
Baker-Patisier	Nonspecific injuries and disorders, unspecified	2.78
Baker-Patisier	Soft tissue injury	5.56
Baker-Patisier	Sprains or strains and bruises	2.78
Bicycle Mechanic	Concussions	2.94
Bicycle Mechanic	Dislocations	1.47
Bicycle Mechanic	Fractures and other injuries	1.47
Bicycle Mechanic	Intracranial injuries, N.E.C.	1.47
Bicycle Mechanic	Intracranial injuries, UNS	1.47
Bicycle Mechanic	Soft tissue injury	1.47
Bicycle Mechanic	Soreness, pain, hurt, except the back	1.47
Bicycle Mechanic	Traumatic inj. To muscles, ..., joints, etc. Uns	2.94
Bicycle Mechanic	Traumatic injuries to nerves, except the spinal cord, unspec	1.47
Chef	Dislocations	3.57
Chef	Intracranial injuries, UNS	3.57
Chef	Meniscal tear	3.57
Chef	Oth combinations of traumatic inj. & Disorders, N.E.C.	3.57
Chef	Sprains or strains and bruises	3.57
Child and Youth Worker	Abrasions, scratches	0.61
Child and Youth Worker	Back pain, hurt back	0.61
Child and Youth Worker	Concussions	7.36
Child and Youth Worker	Cuts, abrasions, bruises	1.23
Child and Youth Worker	Cuts, lacerations	0.61

Child and Youth Worker	Dislocations	0.61
Child and Youth Worker	Fractures and other injuries	1.23
Child and Youth Worker	Intracranial injuries, UNS	1.23
Child and Youth Worker	Meniscal tear	0.61
Child and Youth Worker	Multiple surface wounds and bruises	1.23
Child and Youth Worker	Nonspecific injuries and disorders, unspecified	3.07
Child and Youth Worker	Rotator cuff tear	0.61
Child and Youth Worker	Soft tissue injury	4.91
Child and Youth Worker	Sprains or strains and bruises	1.23
Child and Youth Worker	Sprains, strains, tears, N.E.C.	0.61
Child and Youth Worker	Traumatic herniated disc	0.61
Child and Youth Worker	Traumatic inj. To muscles, ..., joints, etc. Uns	0.61
Child Development Practitioner	Concussions	4.82
Child Development Practitioner	Cuts, abrasions, bruises	2.41
Child Development Practitioner	Cuts, lacerations	3.61
Child Development Practitioner	Nonspecific injuries and disorders, unspecified	3.61
Child Development Practitioner	Oth combinations of traumatic inj. & Disorders, N.E.C.	1.2
Child Development Practitioner	Rotator cuff tear	1.2
Child Development Practitioner	Soft tissue injury	2.41
Child Development Practitioner	Soreness, pain, hurt, except the back	3.61
Child Development Practitioner	Sprains or strains and bruises	4.82
Child Development Practitioner - Inclusion Practices	Concussions	4.82
Child Development Practitioner - Inclusion Practices	Cuts, abrasions, bruises	2.41
Child Development Practitioner - Inclusion Practices	Cuts, lacerations	3.61
Child Development Practitioner - Inclusion Practices	Nonspecific injuries and disorders, unspecified	3.61
Child Development Practitioner - Inclusion Practices	Oth combinations of traumatic inj. & Disorders, N.E.C.	1.2
Child Development Practitioner - Inclusion Practices	Rotator cuff tear	1.2
Child Development Practitioner - Inclusion Practices	Soft tissue injury	2.41
Child Development Practitioner - Inclusion Practices	Soreness, pain, hurt, except the back	3.61
Child Development Practitioner - Inclusion Practices	Sprains or strains and bruises	4.82
Cook	Abrasions, scratches	0.61
Cook	Avulsions	0.61
Cook	Cerebral hemorrhages	0.61
Cook	Concussions	4.29
Cook	Cuts, lacerations	1.84
Cook	Dislocations	1.23
Cook	Intracranial injuries, UNS	0.61
Cook	Nonspecific injuries and disorders, N.E.C.	0.61
Cook	Nonspecific injuries and disorders, unspecified	4.91
Cook	Oth combinations of traumatic inj. & Disorders, N.E.C.	0.61
Cook	Soft tissue injury	6.13
Cook	Soreness, pain, hurt, except the back	1.84
Cook	Sprains or strains and bruises	2.45
Developmental Services Worker	Abrasions, scratches	0.61
Developmental Services Worker	Back pain, hurt back	0.61
Developmental Services Worker	Concussions	7.36
Developmental Services Worker	Cuts, abrasions, bruises	1.23
Developmental Services Worker	Cuts, lacerations	0.61
Developmental Services Worker	Dislocations	0.61
Developmental Services Worker	Fractures and other injuries	1.23
Developmental Services Worker	Intracranial injuries, UNS	1.23
Developmental Services Worker	Meniscal tear	0.61
Developmental Services Worker	Multiple surface wounds and bruises	1.23
Developmental Services Worker	Nonspecific injuries and disorders, unspecified	3.07
Developmental Services Worker	Rotator cuff tear	0.61
Developmental Services Worker	Soft tissue injury	4.91
Developmental Services Worker	Sprains or strains and bruises	1.23
Developmental Services Worker	Sprains, strains, tears, N.E.C.	0.61
Developmental Services Worker	Traumatic herniated disc	0.61
Developmental Services Worker	Traumatic inj. To muscles, ..., joints, etc. Uns	0.61
Educational Assistant	Back pain, hurt back	0.49
Educational Assistant	Concussions	8.37
Educational Assistant	Cuts, lacerations	0.49



Educational Assistant	Dislocations	0.49
Educational Assistant	Fractures and other injuries	0.99
Educational Assistant	Intracranial injuries, N.E.C.	0.49
Educational Assistant	Intracranial injuries, UNS	0.49
Educational Assistant	Multiple nonspecific injuries and disorders	0.49
Educational Assistant	Multiple surface wounds and bruises	0.49
Educational Assistant	Nonspecific injuries and disorders, unspecified	5.91
Educational Assistant	Oth combinations of traumatic inj. & Disorders, N.E.C.	0.49
Educational Assistant	Soft tissue injury	3.45
Educational Assistant	Sprains or strains and bruises	3.45
Educational Assistant	Traumatic bursitis (due to repetitive motions use 17310)	0.99
Educational Assistant	Traumatic inj. To muscles, ..., joints, etc. Uns	0.49
Educational Assistant	Traumatic tendinitis (due to repetitive motions use 17330)	0.49
Electronic Service Technician	Concussions	6.25
Electronic Service Technician	Cuts, abrasions, bruises	1.56
Electronic Service Technician	Dislocations	1.56
Electronic Service Technician	Fractures and other injuries	3.12
Electronic Service Technician	Meniscal tear	1.56
Electronic Service Technician	Nonspecific injuries and disorders, unspecified	4.69
Electronic Service Technician	Rotator cuff tear	1.56
Electronic Service Technician	Soft tissue injury	1.56
Electronic Service Technician	Sprains or strains and bruises	4.69
Hardware, Lumber and Building Materials Retailer	Back pain, hurt back	0.46
Hardware, Lumber and Building Materials Retailer	Concussions	9.22
Hardware, Lumber and Building Materials Retailer	Cuts, lacerations	2.3
Hardware, Lumber and Building Materials Retailer	Dislocations	1.38
Hardware, Lumber and Building Materials Retailer	Fractures and other injuries	0.92
Hardware, Lumber and Building Materials Retailer	Herniated disc	0.46
Hardware, Lumber and Building Materials Retailer	Intracranial injuries, UNS	0.92
Hardware, Lumber and Building Materials Retailer	Meniscal tear	0.46
Hardware, Lumber and Building Materials Retailer	Multiple surface wounds and bruises	0.46
Hardware, Lumber and Building Materials Retailer	Nonspecific injuries and disorders, N.E.C.	0.46
Hardware, Lumber and Building Materials Retailer	Nonspecific injuries and disorders, unspecified	2.76
Hardware, Lumber and Building Materials Retailer	Soft tissue injury	3.23
Hardware, Lumber and Building Materials Retailer	Soreness, pain, hurt, except the back	1.38
Hardware, Lumber and Building Materials Retailer	Sprains or strains and bruises	4.15
Hardware, Lumber and Building Materials Retailer	Sprains, strains, tears, N.E.C.	0.46
Hardware, Lumber and Building Materials Retailer	Traumatic bursitis (due to repetitive motions use 17310)	0.46
Horticultural Technician	Concussions	5.41
Horticultural Technician	Dislocations	2.7
Horticultural Technician	Fractures and other injuries	2.7
Horticultural Technician	Inter inju organ blood vessls vein lymf trnk up lower extrem	2.7
Horticultural Technician	Traumatic inj. To muscles, ..., joints, etc. Uns	2.7
Institutional Cook	Abrasions, scratches	0.61
Institutional Cook	Avulsions	0.61
Institutional Cook	Cerebral hemorrhages	0.61
Institutional Cook	Concussions	4.29
Institutional Cook	Cuts, lacerations	1.84
Institutional Cook	Dislocations	1.23
Institutional Cook	Intracranial injuries, UNS	0.61
Institutional Cook	Nonspecific injuries and disorders, N.E.C.	0.61
Institutional Cook	Nonspecific injuries and disorders, unspecified	4.91
Institutional Cook	Oth combinations of traumatic inj. & Disorders, N.E.C.	0.61
Institutional Cook	Soft tissue injury	6.13
Institutional Cook	Soreness, pain, hurt, except the back	1.84
Institutional Cook	Sprains or strains and bruises	2.45
IT - Contact Centre Customer Service Agent	Abrasions, scratches	0.78
IT - Contact Centre Customer Service Agent	Concussions	6.2
IT - Contact Centre Customer Service Agent	Cuts, lacerations	3.1
IT - Contact Centre Customer Service Agent	Fractures and other injuries	3.1
IT - Contact Centre Customer Service Agent	Meniscal tear	0.78
IT - Contact Centre Customer Service Agent	Multiple nonspecific injuries and disorders	0.78
IT - Contact Centre Customer Service Agent	Multiple surface wounds and bruises	0.78

IT - Contact Centre Customer Service Agent	Nonspecific injuries and disorders, unspecified	3.1
IT - Contact Centre Customer Service Agent	Soft tissue injury	3.1
IT - Contact Centre Customer Service Agent	Soreness, pain, hurt, except the back	0.78
IT - Contact Centre Customer Service Agent	Spasms or tremors, N.E.C.	0.78
IT - Contact Centre Customer Service Agent	Sprains or strains and bruises	5.43
IT - Contact Centre Customer Service Agent	Traumatic lumbago	0.78
IT - Contact Centre Sales Agent	Abrasions, scratches	0.78
IT - Contact Centre Sales Agent	Concussions	6.2
IT - Contact Centre Sales Agent	Cuts, lacerations	3.1
IT - Contact Centre Sales Agent	Fractures and other injuries	3.1
IT - Contact Centre Sales Agent	Meniscal tear	0.78
IT - Contact Centre Sales Agent	Multiple nonspecific injuries and disorders	0.78
IT - Contact Centre Sales Agent	Multiple surface wounds and bruises	0.78
IT - Contact Centre Sales Agent	Nonspecific injuries and disorders, unspecified	3.1
IT - Contact Centre Sales Agent	Soft tissue injury	3.1
IT - Contact Centre Sales Agent	Soreness, pain, hurt, except the back	0.78
IT - Contact Centre Sales Agent	Spasms or tremors, N.E.C.	0.78
IT - Contact Centre Sales Agent	Sprains or strains and bruises	5.43
IT - Contact Centre Sales Agent	Traumatic lumbago	0.78
Micro Electronics Manufacturer	Bruises, contusions	5.88
Micro Electronics Manufacturer	Cuts, lacerations	5.88
Micro Electronics Manufacturer	Inter inju organ blood vessls vein lymph trnk up lower extrem	5.88
Micro Electronics Manufacturer	Soft tissue injury	5.88
Micro Electronics Manufacturer	Traumatic capsulitis	5.88
Network Cabling Specialist	Bruises, contusions	5.17
Network Cabling Specialist	Dislocations	1.72
Network Cabling Specialist	Fractures and other injuries	1.72
Network Cabling Specialist	Intracranial injuries, N.E.C.	1.72
Network Cabling Specialist	Nonspecific injuries and disorders, unspecified	3.45
Network Cabling Specialist	Oth combinations of traumatic inj. & Disorders, N.E.C.	1.72
Network Cabling Specialist	Soft tissue injury	6.9
Network Cabling Specialist	Soreness, pain, hurt, except the back	1.72
Network Cabling Specialist	Sprains or strains and bruises	5.17
Parts Technician	Concussions	6.25
Parts Technician	Cuts, lacerations	3.12
Parts Technician	Nonspecific injuries and disorders, unspecified	6.25
Parts Technician	Rotator cuff tear	3.12
Parts Technician	Soft tissue injury	6.25
Pool, Hot Tub and Spa - Installer	Abrasions, scratches	0.27
Pool, Hot Tub and Spa - Installer	Avulsions	0.27
Pool, Hot Tub and Spa - Installer	Cerebral hemorrhages	0.27
Pool, Hot Tub and Spa - Installer	Concussions	5.19
Pool, Hot Tub and Spa - Installer	Cuts, abrasions, bruises	0.27
Pool, Hot Tub and Spa - Installer	Cuts, lacerations	1.91
Pool, Hot Tub and Spa - Installer	Dislocations	2.46
Pool, Hot Tub and Spa - Installer	Fractures and other injuries	1.64
Pool, Hot Tub and Spa - Installer	Inter inju organ blood vessls vein lymph trnk up lower extrem	0.55
Pool, Hot Tub and Spa - Installer	Intracranial injuries, N.E.C.	0.27
Pool, Hot Tub and Spa - Installer	Intracranial injuries, UNS	1.37
Pool, Hot Tub and Spa - Installer	Meniscal tear	0.82
Pool, Hot Tub and Spa - Installer	Nonspecific injuries and disorders, unspecified	2.19
Pool, Hot Tub and Spa - Installer	Oth combinations of traumatic inj. & Disorders, N.E.C.	1.09
Pool, Hot Tub and Spa - Installer	Rotator cuff tear	0.27
Pool, Hot Tub and Spa - Installer	Soft tissue injury	2.19
Pool, Hot Tub and Spa - Installer	Soreness, pain, hurt, except the back	0.27
Pool, Hot Tub and Spa - Installer	Sprains or strains and bruises	1.64
Pool, Hot Tub and Spa - Installer	Sprains, strains, tears, N.E.C.	0.27
Pool, Hot Tub and Spa - Installer	Traumatic injuries & disorders, UNS	0.27
Pool, Hot Tub and Spa - Installer	Traumatic lumbago	0.27
Pool, Hot Tub and Spa - Installer	Traumatic tendinitis (due to repetitive motions use 17330)	0.55
Pool, Hot Tub and Spa - Service Technician	Abrasions, scratches	0.27
Pool, Hot Tub and Spa - Service Technician	Avulsions	0.27
Pool, Hot Tub and Spa - Service Technician	Cerebral hemorrhages	0.27

Pool, Hot Tub and Spa - Service Technician	Concussions	5.19
Pool, Hot Tub and Spa - Service Technician	Cuts, abrasions, bruises	0.27
Pool, Hot Tub and Spa - Service Technician	Cuts, lacerations	1.91
Pool, Hot Tub and Spa - Service Technician	Dislocations	2.46
Pool, Hot Tub and Spa - Service Technician	Fractures and other injuries	1.64
Pool, Hot Tub and Spa - Service Technician	Inter inju organ blood vessls vein lymph trnk up lower extrem	0.55
Pool, Hot Tub and Spa - Service Technician	Intracranial injuries, N.E.C.	0.27
Pool, Hot Tub and Spa - Service Technician	Intracranial injuries, UNS	1.37
Pool, Hot Tub and Spa - Service Technician	Meniscal tear	0.82
Pool, Hot Tub and Spa - Service Technician	Nonspecific injuries and disorders, unspecified	2.19
Pool, Hot Tub and Spa - Service Technician	Oth combinations of traumatic inj. & Disorders, N.E.C.	1.09
Pool, Hot Tub and Spa - Service Technician	Rotator cuff tear	0.27
Pool, Hot Tub and Spa - Service Technician	Soft tissue injury	2.19
Pool, Hot Tub and Spa - Service Technician	Soreness, pain, hurt, except the back	0.27
Pool, Hot Tub and Spa - Service Technician	Sprains or strains and bruises	1.64
Pool, Hot Tub and Spa - Service Technician	Sprains, strains, tears, N.E.C.	0.27
Pool, Hot Tub and Spa - Service Technician	Traumatic injuries & disorders, UNS	0.27
Pool, Hot Tub and Spa - Service Technician	Traumatic lumbago	0.27
Pool, Hot Tub and Spa - Service Technician	Traumatic tendinitis (due to repetitive motions use 17330)	0.55
Utility Arborist	Concussions	5.41
Utility Arborist	Dislocations	2.7
Utility Arborist	Fractures and other injuries	2.7
Utility Arborist	Inter inju organ blood vessls vein lymph trnk up lower extrem	2.7
Utility Arborist	Traumatic inj. To muscles, joints, etc. Uns	2.7

Table B.11. Body parts in the *Other* category (fall on same level claims)

Trade	Body part	Claims (% Total)
Aboriginal Child Development Practitioner	Abdomen	0.13
Aboriginal Child Development Practitioner	Ankle(s)	7.2
Aboriginal Child Development Practitioner	Arm(s)	3.08
Aboriginal Child Development Practitioner	Chest, including ribs, internal organs	1.54
Aboriginal Child Development Practitioner	Cranial region, including skull	10.28
Aboriginal Child Development Practitioner	Face	0.9
Aboriginal Child Development Practitioner	Finger(s), fingernail(s)	0.39
Aboriginal Child Development Practitioner	Foot(feet), except toe(s)	2.44
Aboriginal Child Development Practitioner	Hand(s), except finger(s)	1.03
Aboriginal Child Development Practitioner	Head, n.e.c.	0.13
Aboriginal Child Development Practitioner	Head, uns.	0.9
Aboriginal Child Development Practitioner	Multiple head locations	0.13
Aboriginal Child Development Practitioner	Multiple lower extremities locations	2.57
Aboriginal Child Development Practitioner	Multiple trunk locations	3.08
Aboriginal Child Development Practitioner	Multiple upper extremities locations	1.67
Aboriginal Child Development Practitioner	Neck, except internal location of diseases or disorders	0.77
Aboriginal Child Development Practitioner	Pelvic region	0.64
Aboriginal Child Development Practitioner	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	4.63
Aboriginal Child Development Practitioner	Toe(s), toenail(s)	0.39
Aboriginal Child Development Practitioner	Wrist(s)	2.96
Agricultural - Dairy Herdsperson	Ankle(s)	10
Agricultural - Dairy Herdsperson	Arm(s)	10
Agricultural - Dairy Herdsperson	Hand(s), except finger(s)	10
Agricultural - Dairy Herdsperson	Multiple body parts	10
Agricultural - Dairy Herdsperson	Multiple upper extremities locations	10
Agricultural - Dairy Herdsperson	Wrist(s)	10
Agricultural - Swine Herdsperson	Ankle(s)	10
Agricultural - Swine Herdsperson	Arm(s)	10
Agricultural - Swine Herdsperson	Hand(s), except finger(s)	10
Agricultural - Swine Herdsperson	Multiple body parts	10
Agricultural - Swine Herdsperson	Multiple upper extremities locations	10
Agricultural - Swine Herdsperson	Wrist(s)	10
Appliance Service Technician	Ankle(s)	3.33
Appliance Service Technician	Chest, including ribs, internal organs	3.33
Appliance Service Technician	Hand(s), except finger(s)	3.33
Appliance Service Technician	Head, uns.	3.33
Appliance Service Technician	Multiple head locations	3.33
Appliance Service Technician	Multiple lower extremities locations	3.33
Appliance Service Technician	Multiple trunk locations	3.33
Appliance Service Technician	Multiple upper extremities locations	3.33
Appliance Service Technician	Pelvic region	3.33
Arborist	Abdomen	1.3
Arborist	Ankle(s)	9.09
Arborist	Arm(s)	2.6
Arborist	Chest, including ribs, internal organs	6.49
Arborist	Cranial region, including skull	6.49
Arborist	Finger(s), fingernail(s)	1.3
Arborist	Hand(s), except finger(s)	2.6
Arborist	Head, uns.	1.3
Arborist	Multiple lower extremities locations	2.6
Arborist	Multiple trunk locations	1.3
Arborist	Multiple upper extremities locations	1.3
Arborist	Neck, except internal location of diseases or disorders	2.6
Arborist	Pelvic region	2.6
Arborist	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	6.49
Assistant Cook	Abdomen	0.15
Assistant Cook	Ankle(s)	3.7
Assistant Cook	Arm(s)	5.55

Assistant Cook	Body systems	0.31
Assistant Cook	Chest, including ribs, internal organs	1.85
Assistant Cook	Cranial region, including skull	10.94
Assistant Cook	Face	0.46
Assistant Cook	Finger(s), fingernail(s)	1.39
Assistant Cook	Foot(feet), except toe(s)	1.08
Assistant Cook	Hand(s), except finger(s)	1.54
Assistant Cook	Head, uns.	1.39
Assistant Cook	Multiple lower extremities locations	1.69
Assistant Cook	Multiple trunk locations	1.85
Assistant Cook	Multiple upper extremities locations	2.47
Assistant Cook	Neck, except internal location of diseases or disorders	0.92
Assistant Cook	Pelvic region	2
Assistant Cook	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	6.32
Assistant Cook	Wrist(s)	6.47
Baker	Ankle(s)	7.11
Baker	Arm(s)	7.11
Baker	Chest, including ribs, internal organs	3.05
Baker	Cranial region, including skull	10.66
Baker	Face	0.51
Baker	Finger(s), fingernail(s)	1.52
Baker	Foot(feet), except toe(s)	1.02
Baker	Hand(s), except finger(s)	0.51
Baker	Head, uns.	2.03
Baker	Multiple head locations	0.51
Baker	Multiple lower extremities locations	1.02
Baker	Multiple trunk locations	1.52
Baker	Multiple upper extremities locations	2.03
Baker	Neck, except internal location of diseases or disorders	1.52
Baker	Pelvic region	1.52
Baker	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	5.08
Baker	Wrist(s)	5.58
Baker-Patissier	Ankle(s)	7.11
Baker-Patissier	Arm(s)	7.11
Baker-Patissier	Chest, including ribs, internal organs	3.05
Baker-Patissier	Cranial region, including skull	10.66
Baker-Patissier	Face	0.51
Baker-Patissier	Finger(s), fingernail(s)	1.52
Baker-Patissier	Foot(feet), except toe(s)	1.02
Baker-Patissier	Hand(s), except finger(s)	0.51
Baker-Patissier	Head, uns.	2.03
Baker-Patissier	Multiple head locations	0.51
Baker-Patissier	Multiple lower extremities locations	1.02
Baker-Patissier	Multiple trunk locations	1.52
Baker-Patissier	Multiple upper extremities locations	2.03
Baker-Patissier	Neck, except internal location of diseases or disorders	1.52
Baker-Patissier	Pelvic region	1.52
Baker-Patissier	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	5.08
Baker-Patissier	Wrist(s)	5.58
Bicycle Mechanic	Abdomen	1.6
Bicycle Mechanic	Ankle(s)	7.2
Bicycle Mechanic	Arm(s)	2.4
Bicycle Mechanic	Back, including spine, spinal cord	12
Bicycle Mechanic	Chest, including ribs, internal organs	6.4
Bicycle Mechanic	Foot(feet), except toe(s)	1.6
Bicycle Mechanic	Hand(s), except finger(s)	0.8
Bicycle Mechanic	Multiple lower extremities locations	1.6
Bicycle Mechanic	Multiple trunk locations	1.6
Bicycle Mechanic	Multiple upper extremities locations	0.8
Bicycle Mechanic	Pelvic region	1.6
Bicycle Mechanic	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	8.8
Bicycle Mechanic	Wrist(s)	3.2
Chef	Ankle(s)	1.03

Chef	Arm(s)	6.19
Chef	Chest, including ribs, internal organs	1.03
Chef	Cranial region, including skull	8.25
Chef	Face	2.06
Chef	Foot(feet), except toe(s)	1.03
Chef	Hand(s), except finger(s)	1.03
Chef	Head, uns.	1.03
Chef	Multiple trunk locations	3.09
Chef	Multiple upper extremities locations	3.09
Chef	Neck, except internal location of diseases or disorders	1.03
Chef	Pelvic region	2.06
Chef	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	3.09
Chef	Wrist(s)	8.25
Child and Youth Worker	Abdomen	0.27
Child and Youth Worker	Ankle(s)	6.47
Child and Youth Worker	Arm(s)	4.18
Child and Youth Worker	Chest, including ribs, internal organs	2.02
Child and Youth Worker	Cranial region, including skull	10.38
Child and Youth Worker	Face	0.67
Child and Youth Worker	Finger(s), fingernail(s)	0.81
Child and Youth Worker	Foot(feet), except toe(s)	2.7
Child and Youth Worker	Hand(s), except finger(s)	0.54
Child and Youth Worker	Head, uns.	0.54
Child and Youth Worker	Multiple head locations	0.13
Child and Youth Worker	Multiple lower extremities locations	2.43
Child and Youth Worker	Multiple trunk locations	2.29
Child and Youth Worker	Multiple upper extremities locations	1.35
Child and Youth Worker	Neck, except internal location of diseases or disorders	0.54
Child and Youth Worker	Pelvic region	1.48
Child and Youth Worker	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	4.04
Child and Youth Worker	Toe(s), toenail(s)	0.13
Child and Youth Worker	Wrist(s)	3.64
Child Development Practitioner	Abdomen	0.13
Child Development Practitioner	Ankle(s)	7.2
Child Development Practitioner	Arm(s)	3.08
Child Development Practitioner	Chest, including ribs, internal organs	1.54
Child Development Practitioner	Cranial region, including skull	10.28
Child Development Practitioner	Face	0.9
Child Development Practitioner	Finger(s), fingernail(s)	0.39
Child Development Practitioner	Foot(feet), except toe(s)	2.44
Child Development Practitioner	Hand(s), except finger(s)	1.03
Child Development Practitioner	Head, n.e.c.	0.13
Child Development Practitioner	Head, uns.	0.9
Child Development Practitioner	Multiple head locations	0.13
Child Development Practitioner	Multiple lower extremities locations	2.57
Child Development Practitioner	Multiple trunk locations	3.08
Child Development Practitioner	Multiple upper extremities locations	1.67
Child Development Practitioner	Neck, except internal location of diseases or disorders	0.77
Child Development Practitioner	Pelvic region	0.64
Child Development Practitioner	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	4.63
Child Development Practitioner	Toe(s), toenail(s)	0.39
Child Development Practitioner	Wrist(s)	2.96
Child Development Practitioner - Inclusion Practices	Abdomen	0.13
Child Development Practitioner - Inclusion Practices	Ankle(s)	7.2
Child Development Practitioner - Inclusion Practices	Arm(s)	3.08
Child Development Practitioner - Inclusion Practices	Chest, including ribs, internal organs	1.54
Child Development Practitioner - Inclusion Practices	Cranial region, including skull	10.28
Child Development Practitioner - Inclusion Practices	Face	0.9
Child Development Practitioner - Inclusion Practices	Finger(s), fingernail(s)	0.39
Child Development Practitioner - Inclusion Practices	Foot(feet), except toe(s)	2.44
Child Development Practitioner - Inclusion Practices	Hand(s), except finger(s)	1.03
Child Development Practitioner - Inclusion Practices	Head, n.e.c.	0.13
Child Development Practitioner - Inclusion Practices	Head, uns.	0.9

Child Development Practitioner - Inclusion Practices	Multiple head locations	0.13
Child Development Practitioner - Inclusion Practices	Multiple lower extremities locations	2.57
Child Development Practitioner - Inclusion Practices	Multiple trunk locations	3.08
Child Development Practitioner - Inclusion Practices	Multiple upper extremities locations	1.67
Child Development Practitioner - Inclusion Practices	Neck, except internal location of diseases or disorders	0.77
Child Development Practitioner - Inclusion Practices	Pelvic region	0.64
Child Development Practitioner - Inclusion Practices	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	4.63
Child Development Practitioner - Inclusion Practices	Toe(s), toenail(s)	0.39
Child Development Practitioner - Inclusion Practices	Wrist(s)	2.96
Cook	Abdomen	0.15
Cook	Ankle(s)	3.7
Cook	Arm(s)	5.55
Cook	Body systems	0.31
Cook	Chest, including ribs, internal organs	1.85
Cook	Cranial region, including skull	10.94
Cook	Face	0.46
Cook	Finger(s), fingernail(s)	1.39
Cook	Foot(feet), except toe(s)	1.08
Cook	Hand(s), except finger(s)	1.54
Cook	Head, uns.	1.39
Cook	Multiple lower extremities locations	1.69
Cook	Multiple trunk locations	1.85
Cook	Multiple upper extremities locations	2.47
Cook	Neck, except internal location of diseases or disorders	0.92
Cook	Pelvic region	2
Cook	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	6.32
Cook	Wrist(s)	6.47
Developmental Services Worker	Abdomen	0.27
Developmental Services Worker	Ankle(s)	6.47
Developmental Services Worker	Arm(s)	4.18
Developmental Services Worker	Chest, including ribs, internal organs	2.02
Developmental Services Worker	Cranial region, including skull	10.38
Developmental Services Worker	Face	0.67
Developmental Services Worker	Finger(s), fingernail(s)	0.81
Developmental Services Worker	Foot(feet), except toe(s)	2.7
Developmental Services Worker	Hand(s), except finger(s)	0.54
Developmental Services Worker	Head, uns.	0.54
Developmental Services Worker	Multiple head locations	0.13
Developmental Services Worker	Multiple lower extremities locations	2.43
Developmental Services Worker	Multiple trunk locations	2.29
Developmental Services Worker	Multiple upper extremities locations	1.35
Developmental Services Worker	Neck, except internal location of diseases or disorders	0.54
Developmental Services Worker	Pelvic region	1.48
Developmental Services Worker	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	4.04
Developmental Services Worker	Toe(s), toenail(s)	0.13
Developmental Services Worker	Wrist(s)	3.64
Educational Assistant	Abdomen	0.27
Educational Assistant	Ankle(s)	4.94
Educational Assistant	Arm(s)	3.99
Educational Assistant	Back, including spine, spinal cord	10.1
Educational Assistant	Chest, including ribs, internal organs	1.01
Educational Assistant	Face	0.96
Educational Assistant	Finger(s), fingernail(s)	0.8
Educational Assistant	Foot(feet), except toe(s)	1.17
Educational Assistant	Hand(s), except finger(s)	0.64
Educational Assistant	Head, uns.	0.96
Educational Assistant	Lower extremities, n.e.c.	0.05
Educational Assistant	Multiple head locations	0.11
Educational Assistant	Multiple lower extremities locations	2.82
Educational Assistant	Multiple trunk locations	2.23
Educational Assistant	Multiple upper extremities locations	1.22
Educational Assistant	Neck, except internal location of diseases or disorders	0.8
Educational Assistant	Pelvic region	1.97

Educational Assistant	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	3.83
Educational Assistant	Toe(s), toenail(s)	0.16
Educational Assistant	Trunk, n.e.c.	0.05
Educational Assistant	Upper extremities, uns.	0.05
Educational Assistant	Wrist(s)	3.72
Electronic Service Technician	Ankle(s)	8.51
Electronic Service Technician	Arm(s)	4.26
Electronic Service Technician	Cranial region, including skull	5.32
Electronic Service Technician	Face	2.13
Electronic Service Technician	Finger(s), fingernail(s)	1.06
Electronic Service Technician	Foot(feet), except toe(s)	1.06
Electronic Service Technician	Hand(s), except finger(s)	1.06
Electronic Service Technician	Head, uns.	1.06
Electronic Service Technician	Multiple head locations	1.06
Electronic Service Technician	Multiple lower extremities locations	1.06
Electronic Service Technician	Multiple trunk locations	4.26
Electronic Service Technician	Pelvic region	1.06
Electronic Service Technician	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	5.32
Electronic Service Technician	Wrist(s)	7.45
Hairstylist	Ankle(s)	7.69
Hairstylist	Arm(s)	7.69
Hairstylist	Chest, including ribs, internal organs	7.69
Hairstylist	Multiple lower extremities locations	7.69
Hairstylist	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	7.69
Hardware, Lumber and Building Materials Retailer	Ankle(s)	8.84
Hardware, Lumber and Building Materials Retailer	Arm(s)	6.45
Hardware, Lumber and Building Materials Retailer	Back, including spine, spinal cord	8.84
Hardware, Lumber and Building Materials Retailer	Chest, including ribs, internal organs	1.47
Hardware, Lumber and Building Materials Retailer	Face	0.74
Hardware, Lumber and Building Materials Retailer	Finger(s), fingernail(s)	0.92
Hardware, Lumber and Building Materials Retailer	Foot(feet), except toe(s)	2.39
Hardware, Lumber and Building Materials Retailer	Hand(s), except finger(s)	0.92
Hardware, Lumber and Building Materials Retailer	Head, uns.	0.74
Hardware, Lumber and Building Materials Retailer	Multiple lower extremities locations	2.58
Hardware, Lumber and Building Materials Retailer	Multiple trunk locations	2.58
Hardware, Lumber and Building Materials Retailer	Multiple upper extremities locations	2.39
Hardware, Lumber and Building Materials Retailer	Neck, except internal location of diseases or disorders	0.18
Hardware, Lumber and Building Materials Retailer	Pelvic region	2.39
Hardware, Lumber and Building Materials Retailer	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	5.16
Hardware, Lumber and Building Materials Retailer	Toe(s), toenail(s)	0.37
Hardware, Lumber and Building Materials Retailer	Wrist(s)	3.31
Horse Groom	Ankle(s)	3.64
Horse Groom	Arm(s)	3.64
Horse Groom	Finger(s), fingernail(s)	1.82
Horse Groom	Foot(feet), except toe(s)	3.64
Horse Groom	Hand(s), except finger(s)	1.82
Horse Groom	Lower extremities, n.e.c.	1.82
Horse Groom	Multiple trunk locations	1.82
Horse Groom	Multiple upper extremities locations	1.82
Horse Groom	Neck, except internal location of diseases or disorders	1.82
Horse Groom	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	7.27
Horse Groom	Wrist(s)	7.27
Horticultural Technician	Abdomen	1.3
Horticultural Technician	Ankle(s)	9.09
Horticultural Technician	Arm(s)	2.6
Horticultural Technician	Chest, including ribs, internal organs	6.49
Horticultural Technician	Cranial region, including skull	6.49
Horticultural Technician	Finger(s), fingernail(s)	1.3
Horticultural Technician	Hand(s), except finger(s)	2.6
Horticultural Technician	Head, uns.	1.3
Horticultural Technician	Multiple lower extremities locations	2.6
Horticultural Technician	Multiple trunk locations	1.3
Horticultural Technician	Multiple upper extremities locations	1.3

Horticultural Technician	Neck, except internal location of diseases or disorders	2.6
Horticultural Technician	Pelvic region	2.6
Horticultural Technician	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	6.49
Institutional Cook	Abdomen	0.15
Institutional Cook	Ankle(s)	3.7
Institutional Cook	Arm(s)	5.55
Institutional Cook	Body systems	0.31
Institutional Cook	Chest, including ribs, internal organs	1.85
Institutional Cook	Cranial region, including skull	10.94
Institutional Cook	Face	0.46
Institutional Cook	Finger(s), fingernail(s)	1.39
Institutional Cook	Foot(feet), except toe(s)	1.08
Institutional Cook	Hand(s), except finger(s)	1.54
Institutional Cook	Head, uns.	1.39
Institutional Cook	Multiple lower extremities locations	1.69
Institutional Cook	Multiple trunk locations	1.85
Institutional Cook	Multiple upper extremities locations	2.47
Institutional Cook	Neck, except internal location of diseases or disorders	0.92
Institutional Cook	Pelvic region	2
Institutional Cook	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	6.32
Institutional Cook	Wrist(s)	6.47
IT - Contact Centre Customer Service Agent	Ankle(s)	8.24
IT - Contact Centre Customer Service Agent	Arm(s)	5.45
IT - Contact Centre Customer Service Agent	Back, including spine, spinal cord	8.37
IT - Contact Centre Customer Service Agent	Chest, including ribs, internal organs	1.65
IT - Contact Centre Customer Service Agent	Face	1.14
IT - Contact Centre Customer Service Agent	Finger(s), fingernail(s)	1.14
IT - Contact Centre Customer Service Agent	Foot(feet), except toe(s)	2.15
IT - Contact Centre Customer Service Agent	Hand(s), except finger(s)	1.14
IT - Contact Centre Customer Service Agent	Head, uns.	1.01
IT - Contact Centre Customer Service Agent	Lower extremities, n.e.c.	0.13
IT - Contact Centre Customer Service Agent	Multiple lower extremities locations	2.66
IT - Contact Centre Customer Service Agent	Multiple trunk locations	1.39
IT - Contact Centre Customer Service Agent	Multiple upper extremities locations	1.52
IT - Contact Centre Customer Service Agent	Neck, except internal location of diseases or disorders	0.89
IT - Contact Centre Customer Service Agent	Pelvic region	2.15
IT - Contact Centre Customer Service Agent	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	4.06
IT - Contact Centre Customer Service Agent	Wrist(s)	4.06
IT - Contact Centre Sales Agent	Ankle(s)	8.24
IT - Contact Centre Sales Agent	Arm(s)	5.45
IT - Contact Centre Sales Agent	Back, including spine, spinal cord	8.37
IT - Contact Centre Sales Agent	Chest, including ribs, internal organs	1.65
IT - Contact Centre Sales Agent	Face	1.14
IT - Contact Centre Sales Agent	Finger(s), fingernail(s)	1.14
IT - Contact Centre Sales Agent	Foot(feet), except toe(s)	2.15
IT - Contact Centre Sales Agent	Hand(s), except finger(s)	1.14
IT - Contact Centre Sales Agent	Head, uns.	1.01
IT - Contact Centre Sales Agent	Lower extremities, n.e.c.	0.13
IT - Contact Centre Sales Agent	Multiple lower extremities locations	2.66
IT - Contact Centre Sales Agent	Multiple trunk locations	1.39
IT - Contact Centre Sales Agent	Multiple upper extremities locations	1.52
IT - Contact Centre Sales Agent	Neck, except internal location of diseases or disorders	0.89
IT - Contact Centre Sales Agent	Pelvic region	2.15
IT - Contact Centre Sales Agent	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	4.06
IT - Contact Centre Sales Agent	Wrist(s)	4.06
Micro Electronics Manufacturer	Ankle(s)	6.9
Micro Electronics Manufacturer	Arm(s)	3.45
Micro Electronics Manufacturer	Chest, including ribs, internal organs	6.9
Micro Electronics Manufacturer	Finger(s), fingernail(s)	3.45
Micro Electronics Manufacturer	Foot(feet), except toe(s)	3.45
Micro Electronics Manufacturer	Hand(s), except finger(s)	3.45
Micro Electronics Manufacturer	Leg(s)	3.45
Micro Electronics Manufacturer	Multiple lower extremities locations	3.45

Network Cabling Specialist	Ankle(s)	6.82
Network Cabling Specialist	Arm(s)	3.41
Network Cabling Specialist	Chest, including ribs, internal organs	6.82
Network Cabling Specialist	Cranial region, including skull	2.27
Network Cabling Specialist	Finger(s), fingernail(s)	2.27
Network Cabling Specialist	Foot(feet), except toe(s)	2.27
Network Cabling Specialist	Hand(s), except finger(s)	2.27
Network Cabling Specialist	Multiple trunk locations	2.27
Network Cabling Specialist	Multiple upper extremities locations	2.27
Network Cabling Specialist	Pelvic region	2.27
Network Cabling Specialist	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	7.95
Network Cabling Specialist	Wrist(s)	2.27
Parts Technician	Ankle(s)	2.83
Parts Technician	Chest, including ribs, internal organs	2.83
Parts Technician	Face	1.89
Parts Technician	Foot(feet), except toe(s)	1.89
Parts Technician	Hand(s), except finger(s)	1.89
Parts Technician	Head, uns.	1.89
Parts Technician	Multiple lower extremities locations	1.89
Parts Technician	Multiple trunk locations	1.89
Parts Technician	Multiple upper extremities locations	0.94
Parts Technician	Neck, except internal location of diseases or disorders	0.94
Parts Technician	Pelvic region	3.77
Parts Technician	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	7.55
Parts Technician	Wrist(s)	4.72
Pool, Hot Tub and Spa - Installer	Abdomen	0.42
Pool, Hot Tub and Spa - Installer	Ankle(s)	8.47
Pool, Hot Tub and Spa - Installer	Arm(s)	7.2
Pool, Hot Tub and Spa - Installer	Back, including spine, spinal cord	10.17
Pool, Hot Tub and Spa - Installer	Chest, including ribs, internal organs	4.66
Pool, Hot Tub and Spa - Installer	Cranial region, including skull	8.47
Pool, Hot Tub and Spa - Installer	Ear(s)	0.42
Pool, Hot Tub and Spa - Installer	Face	1.27
Pool, Hot Tub and Spa - Installer	Finger(s), fingernail(s)	1.69
Pool, Hot Tub and Spa - Installer	Foot(feet), except toe(s)	2.54
Pool, Hot Tub and Spa - Installer	Hand(s), except finger(s)	4.66
Pool, Hot Tub and Spa - Installer	Multiple lower extremities locations	1.27
Pool, Hot Tub and Spa - Installer	Multiple trunk locations	1.69
Pool, Hot Tub and Spa - Installer	Neck, except internal location of diseases or disorders	0.42
Pool, Hot Tub and Spa - Installer	Pelvic region	0.85
Pool, Hot Tub and Spa - Installer	Wrist(s)	3.39
Pool, Hot Tub and Spa - Service Technician	Abdomen	0.42
Pool, Hot Tub and Spa - Service Technician	Ankle(s)	8.47
Pool, Hot Tub and Spa - Service Technician	Arm(s)	7.2
Pool, Hot Tub and Spa - Service Technician	Back, including spine, spinal cord	10.17
Pool, Hot Tub and Spa - Service Technician	Chest, including ribs, internal organs	4.66
Pool, Hot Tub and Spa - Service Technician	Cranial region, including skull	8.47
Pool, Hot Tub and Spa - Service Technician	Ear(s)	0.42
Pool, Hot Tub and Spa - Service Technician	Face	1.27
Pool, Hot Tub and Spa - Service Technician	Finger(s), fingernail(s)	1.69
Pool, Hot Tub and Spa - Service Technician	Foot(feet), except toe(s)	2.54
Pool, Hot Tub and Spa - Service Technician	Hand(s), except finger(s)	4.66
Pool, Hot Tub and Spa - Service Technician	Multiple lower extremities locations	1.27
Pool, Hot Tub and Spa - Service Technician	Multiple trunk locations	1.69
Pool, Hot Tub and Spa - Service Technician	Neck, except internal location of diseases or disorders	0.42
Pool, Hot Tub and Spa - Service Technician	Pelvic region	0.85
Pool, Hot Tub and Spa - Service Technician	Wrist(s)	3.39
Retail Meat Cutter	Ankle(s)	5.08
Retail Meat Cutter	Arm(s)	3.39
Retail Meat Cutter	Cranial region, including skull	10.17
Retail Meat Cutter	Face	1.69
Retail Meat Cutter	Foot(feet), except toe(s)	3.39
Retail Meat Cutter	Hand(s), except finger(s)	3.39

Retail Meat Cutter	Head, uns.	1.69
Retail Meat Cutter	Multiple lower extremities locations	3.39
Retail Meat Cutter	Multiple trunk locations	5.08
Retail Meat Cutter	Pelvic region	1.69
Retail Meat Cutter	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	6.78
Retail Meat Cutter	Wrist(s)	5.08
Special Events Coordinator	Ankle(s)	9.52
Special Events Coordinator	Arm(s)	4.76
Special Events Coordinator	Face	4.76
Special Events Coordinator	Finger(s), fingernail(s)	4.76
Special Events Coordinator	Hand(s), except finger(s)	9.52
Special Events Coordinator	Multiple body parts	9.52
Special Events Coordinator	Multiple lower extremities locations	9.52
Special Events Coordinator	Pelvic region	4.76
Special Events Coordinator	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	4.76
Special Events Coordinator	Wrist(s)	4.76
Utility Arborist	Abdomen	1.3
Utility Arborist	Ankle(s)	9.09
Utility Arborist	Arm(s)	2.6
Utility Arborist	Chest, including ribs, internal organs	6.49
Utility Arborist	Cranial region, including skull	6.49
Utility Arborist	Finger(s), fingernail(s)	1.3
Utility Arborist	Hand(s), except finger(s)	2.6
Utility Arborist	Head, uns.	1.3
Utility Arborist	Multiple lower extremities locations	2.6
Utility Arborist	Multiple trunk locations	1.3
Utility Arborist	Multiple upper extremities locations	1.3
Utility Arborist	Neck, except internal location of diseases or disorders	2.6
Utility Arborist	Pelvic region	2.6
Utility Arborist	Shoulder, including clavicle, scapula and trapezius muscle if shoulder is mentioned	6.49

Table B.12. Event Descriptions in the *Other* category (fall on same level claims)

Trade	Event description	Claims (% Total)
Aboriginal Child Development Practitioner	Fall on same level, N.E.C.	1.93
Aboriginal Child Development Practitioner	Fall on same level, UNS	0.64
Appliance Service Technician	Fall on same level, N.E.C.	3.33
Arborist	Fall on same level, N.E.C.	1.3
Arborist	Fall on same level, UNS	1.3
Assistant Cook	Fall on same level, N.E.C.	0.92
Assistant Cook	Fall on same level, UNS	1.39
Baker	Fall on same level, N.E.C.	2.54
Baker	Fall on same level, UNS	2.03
Baker-Pâtissier	Fall on same level, N.E.C.	2.54
Baker-Pâtissier	Fall on same level, UNS	2.03
Bicycle Mechanic	Fall on same level, N.E.C.	1.6
Bicycle Mechanic	Fall on same level, UNS	0.8
Chef	Fall on same level, N.E.C.	3.09
Chef	Fall on same level, UNS	1.03
Child and Youth Worker	Fall on same level, N.E.C.	1.62
Child and Youth Worker	Fall on same level, UNS	0.67
Child Development Practitioner	Fall on same level, N.E.C.	1.93
Child Development Practitioner	Fall on same level, UNS	0.64
Child Development Practitioner - Inclusion Practices	Fall on same level, N.E.C.	1.93
Child Development Practitioner - Inclusion Practices	Fall on same level, UNS	0.64
Cook	Fall on same level, N.E.C.	0.92
Cook	Fall on same level, UNS	1.39
Developmental Services Worker	Fall on same level, N.E.C.	1.62
Developmental Services Worker	Fall on same level, UNS	0.67
Educational Assistant	Fall on same level, N.E.C.	0.96
Educational Assistant	Fall on same level, UNS	1.49
Electronic Service Technician	Fall on same level, N.E.C.	1.06
Hairstylist	Fall on same level, N.E.C.	7.69
Hardware, Lumber and Building Materials Retailer	Fall on same level, N.E.C.	0.92
Hardware, Lumber and Building Materials Retailer	Fall on same level, UNS	0.37
Horse Groom	Fall on same level, UNS	3.64
Horticultural Technician	Fall on same level, N.E.C.	1.3
Horticultural Technician	Fall on same level, UNS	1.3
Institutional Cook	Fall on same level, N.E.C.	0.92
Institutional Cook	Fall on same level, UNS	1.39
IT - Contact Centre Customer Service Agent	Fall on same level, N.E.C.	2.66
IT - Contact Centre Customer Service Agent	Fall on same level, UNS	0.63
IT - Contact Centre Sales Agent	Fall on same level, N.E.C.	2.66
IT - Contact Centre Sales Agent	Fall on same level, UNS	0.63
Parts Technician	Fall on same level, UNS	1.89
Pool, Hot Tub and Spa - Installer	Fall on same level, N.E.C.	2.97
Pool, Hot Tub and Spa - Service Technician	Fall on same level, N.E.C.	2.97
Retail Meat Cutter	Fall on same level, N.E.C.	1.69
Retail Meat Cutter	Fall on same level, UNS	1.69
Utility Arborist	Fall on same level, N.E.C.	1.3
Utility Arborist	Fall on same level, UNS	1.3

Table B.13. Nature of Injury Descriptions in the *Other* category (*fall on same level* claims)

Trade	Nature of injury description	Claims (% Total)
Aboriginal Child Development Practitioner	Abrasions, scratches	0.26
Aboriginal Child Development Practitioner	Avulsions	0.13
Aboriginal Child Development Practitioner	Back pain, hurt back	0.39
Aboriginal Child Development Practitioner	Concussions	7.84
Aboriginal Child Development Practitioner	Cuts, abrasions, bruises	0.39
Aboriginal Child Development Practitioner	Cuts, lacerations	1.16
Aboriginal Child Development Practitioner	Dislocations	0.9
Aboriginal Child Development Practitioner	Fractures and other injuries	0.39
Aboriginal Child Development Practitioner	Intracranial injuries, UNS	1.54
Aboriginal Child Development Practitioner	Multiple surface wounds and bruises	0.13
Aboriginal Child Development Practitioner	Nonspecific injuries and disorders, N.E.C.	0.13
Aboriginal Child Development Practitioner	Nonspecific injuries and disorders, unspecified	2.7
Aboriginal Child Development Practitioner	Oth combinations of traumatic inj. & Disorders, N.E.C.	0.77
Aboriginal Child Development Practitioner	Rotator cuff tear	0.39
Aboriginal Child Development Practitioner	Soft tissue injury	3.21
Aboriginal Child Development Practitioner	Soreness, pain, hurt, except the back	1.03
Aboriginal Child Development Practitioner	Sprains or strains and bruises	4.63
Aboriginal Child Development Practitioner	Sprains, strains, tears, N.E.C.	0.51
Aboriginal Child Development Practitioner	Traum inj musclskeletal sys tendons ligmnts joints N.E.C.	0.39
Aboriginal Child Development Practitioner	Traumatic arthropathies, arthritis, polyarthritis, ankylosis	0.13
Aboriginal Child Development Practitioner	Traumatic bursitis (due to repetitive motions use 17310)	0.39
Aboriginal Child Development Practitioner	Traumatic dorsopathies, N.E.C.	0.13
Aboriginal Child Development Practitioner	Traumatic herniated disc	0.13
Aboriginal Child Development Practitioner	Traumatic inj. To muscles, ..., joints, etc. Uns	0.51
Aboriginal Child Development Practitioner	Traumatic tendinitis (due to repetitive motions use 17330)	0.51
Aboriginal Child Development Practitioner	Unknown nature of injury	0.13
Appliance Service Technician	Concussions	3.33
Appliance Service Technician	Cuts, lacerations	3.33
Appliance Service Technician	Intracranial injuries, N.E.C.	3.33
Appliance Service Technician	Multiple nonspecific injuries and disorders	3.33
Appliance Service Technician	Traum inj musclskeletal sys tendons ligmnts joints N.E.C.	3.33
Arborist	Concussions	3.9
Arborist	Cuts, lacerations	1.3
Arborist	Dislocations	1.3
Arborist	Fractures and other injuries	1.3
Arborist	Intracranial injuries, UNS	1.3
Arborist	Meniscal tear	2.6
Arborist	Nonspecific injuries and disorders, N.E.C.	1.3
Arborist	Rotator cuff tear	1.3
Arborist	Soft tissue injury	3.9
Arborist	Soreness, pain, hurt, except the back	1.3
Arborist	Sprains or strains and bruises	1.3
Assistant Cook	Avulsions	0.15
Assistant Cook	Back pain, hurt back	0.46
Assistant Cook	Burns, UNS	0.31
Assistant Cook	Cerebral hemorrhages	0.15
Assistant Cook	Concussions	8.01
Assistant Cook	Cuts, abrasions, bruises	0.31
Assistant Cook	Cuts, lacerations	2.62
Assistant Cook	Dislocations	1.85
Assistant Cook	Fractures and other injuries	0.92
Assistant Cook	Heat burns, scalds, N.E.C.	0.15
Assistant Cook	Heat burns, scalds, UNS	0.15
Assistant Cook	Herniated disc	0.15
Assistant Cook	Intracranial injuries, UNS	1.08
Assistant Cook	Loss of consciousness--not heat related	0.31
Assistant Cook	Meniscal tear	0.31
Assistant Cook	Multiple surface wounds and bruises	0.15

Assistant Cook	Nonspecific injuries and disorders, N.E.C.	0.15
Assistant Cook	Nonspecific injuries and disorders, unspecified	3.24
Assistant Cook	Oth combinations of traumatic inj. & Disorders, N.E.C.	0.77
Assistant Cook	Rotator cuff tear	0.31
Assistant Cook	Second-degree heat burns, scalds	0.31
Assistant Cook	Soft tissue injury	4.16
Assistant Cook	Soreness, pain, hurt, except the back	0.62
Assistant Cook	Sprains or strains and bruises	2.31
Assistant Cook	Sprains, strains, tears, N.E.C.	0.31
Assistant Cook	Symptoms involving nervous & musculoskel. Sys., N.E.C.	0.15
Assistant Cook	Traum inj musclskeletal sys tendons ligmnts joints N.E.C.	0.31
Assistant Cook	Traumatic dorsopathies, N.E.C.	0.15
Assistant Cook	Traumatic inj. To muscles, ..., joints, etc. Uns	0.15
Assistant Cook	Traumatic tendinitis (due to repetitive motions use 17330)	0.31
Baker	Abrasions, scratches	0.51
Baker	Back pain, hurt back	0.51
Baker	Concussions	8.63
Baker	Cuts, lacerations	2.54
Baker	Fractures and other injuries	0.51
Baker	Intracranial injuries, UNS	1.02
Baker	Meniscal tear	0.51
Baker	Multiple nonspecific injuries and disorders	0.51
Baker	Nonspecific injuries and disorders, unspecified	1.02
Baker	Rotator cuff tear	0.51
Baker	Soft tissue injury	4.57
Baker	Soreness, pain, hurt, except the back	1.02
Baker	Sprains or strains and bruises	2.54
Baker	Traum inj musclskeletal sys tendons ligmnts joints N.E.C.	0.51
Baker	Traum inj musclskeletal sys tendons ligmnts joints UNSPEC.	0.51
Baker	Traumatic cervicalgia	0.51
Baker	Traumatic inj. To muscles, ..., joints, etc. Uns	0.51
Baker	Traumatic lumbago	0.51
Baker-Patissier	Abrasions, scratches	0.51
Baker-Patissier	Back pain, hurt back	0.51
Baker-Patissier	Concussions	8.63
Baker-Patissier	Cuts, lacerations	2.54
Baker-Patissier	Fractures and other injuries	0.51
Baker-Patissier	Intracranial injuries, UNS	1.02
Baker-Patissier	Meniscal tear	0.51
Baker-Patissier	Multiple nonspecific injuries and disorders	0.51
Baker-Patissier	Nonspecific injuries and disorders, unspecified	1.02
Baker-Patissier	Rotator cuff tear	0.51
Baker-Patissier	Soft tissue injury	4.57
Baker-Patissier	Soreness, pain, hurt, except the back	1.02
Baker-Patissier	Sprains or strains and bruises	2.54
Baker-Patissier	Traum inj musclskeletal sys tendons ligmnts joints N.E.C.	0.51
Baker-Patissier	Traum inj musclskeletal sys tendons ligmnts joints UNSPEC.	0.51
Baker-Patissier	Traumatic cervicalgia	0.51
Baker-Patissier	Traumatic inj. To muscles, ..., joints, etc. Uns	0.51
Baker-Patissier	Traumatic lumbago	0.51
Bicycle Mechanic	Abrasions, scratches	0.8
Bicycle Mechanic	Cuts, lacerations	4
Bicycle Mechanic	Fractures	8.8
Bicycle Mechanic	Fractures and other injuries	0.8
Bicycle Mechanic	Intracranial injuries, UNS	4
Bicycle Mechanic	Nonspecific injuries and disorders, unspecified	2.4
Bicycle Mechanic	Rotator cuff tear	0.8
Bicycle Mechanic	Soft tissue injury	0.8
Bicycle Mechanic	Soreness, pain, hurt, except the back	0.8
Bicycle Mechanic	Sprains or strains and bruises	3.2
Bicycle Mechanic	Traumatic herniated disc	0.8
Bicycle Mechanic	Traumatic inj. To muscles, ..., joints, etc. Uns	1.6
Bicycle Mechanic	Traumatic tendinitis (due to repetitive motions use 17330)	0.8

Chef	Cerebral hemorrhages	1.03
Chef	Concussions	6.19
Chef	Cuts, lacerations	1.03
Chef	Dislocations	2.06
Chef	Multiple surface wounds and bruises	1.03
Chef	Nonspecific injuries and disorders, N.E.C.	1.03
Chef	Nonspecific injuries and disorders, unspecified	3.09
Chef	Oth combinations of traumatic inj. & Disorders, N.E.C.	1.03
Chef	Soft tissue injury	4.12
Chef	Sprains or strains and bruises	5.15
Chef	Traumatic sciatica	1.03
Child and Youth Worker	Abrasions, scratches	0.54
Child and Youth Worker	Back pain, hurt back	0.54
Child and Youth Worker	Concussions	8.63
Child and Youth Worker	Crushing injuries	0.13
Child and Youth Worker	Cuts, abrasions, bruises	0.27
Child and Youth Worker	Cuts, lacerations	0.67
Child and Youth Worker	Dislocations	0.54
Child and Youth Worker	Fractures and other injuries	0.67
Child and Youth Worker	Intracranial injuries, N.E.C.	0.27
Child and Youth Worker	Intracranial injuries, UNS	1.21
Child and Youth Worker	Meniscal tear	0.54
Child and Youth Worker	Multiple nonspecific injuries and disorders	0.27
Child and Youth Worker	Multiple surface wounds and bruises	0.13
Child and Youth Worker	Nonspecific injuries and disorders, N.E.C.	0.13
Child and Youth Worker	Nonspecific injuries and disorders, unspecified	4.04
Child and Youth Worker	Oth combinations of traumatic inj. & Disorders, N.E.C.	0.27
Child and Youth Worker	Rotator cuff tear	0.13
Child and Youth Worker	Soft tissue injury	4.99
Child and Youth Worker	Soreness, pain, hurt, except the back	0.81
Child and Youth Worker	Sprains or strains and bruises	3.1
Child and Youth Worker	Sprains, strains, tears, N.E.C.	0.81
Child and Youth Worker	Traum injns musclskeletal sys tendons ligmnts joints N.E.C.	0.13
Child and Youth Worker	Traumatic bursitis (due to repetitive motions use 17310)	0.13
Child and Youth Worker	Traumatic inj. To muscles,, joints, etc. Uns	0.27
Child and Youth Worker	Traumatic lumbago	0.13
Child and Youth Worker	Traumatic tendinitis (due to repetitive motions use 17330)	0.27
Child Development Practitioner	Abrasions, scratches	0.26
Child Development Practitioner	Avulsions	0.13
Child Development Practitioner	Back pain, hurt back	0.39
Child Development Practitioner	Concussions	7.84
Child Development Practitioner	Cuts, abrasions, bruises	0.39
Child Development Practitioner	Cuts, lacerations	1.16
Child Development Practitioner	Dislocations	0.9
Child Development Practitioner	Fractures and other injuries	0.39
Child Development Practitioner	Intracranial injuries, UNS	1.54
Child Development Practitioner	Multiple surface wounds and bruises	0.13
Child Development Practitioner	Nonspecific injuries and disorders, N.E.C.	0.13
Child Development Practitioner	Nonspecific injuries and disorders, unspecified	2.7
Child Development Practitioner	Oth combinations of traumatic inj. & Disorders, N.E.C.	0.77
Child Development Practitioner	Rotator cuff tear	0.39
Child Development Practitioner	Soft tissue injury	3.21
Child Development Practitioner	Soreness, pain, hurt, except the back	1.03
Child Development Practitioner	Sprains or strains and bruises	4.63
Child Development Practitioner	Sprains, strains, tears, N.E.C.	0.51
Child Development Practitioner	Traum injns musclskeletal sys tendons ligmnts joints N.E.C.	0.39
Child Development Practitioner	Traumatic arthropathies, arthritis, polyarthritis, ankylosis	0.13
Child Development Practitioner	Traumatic bursitis (due to repetitive motions use 17310)	0.39
Child Development Practitioner	Traumatic dorsopathies, N.E.C.	0.13
Child Development Practitioner	Traumatic herniated disc	0.13
Child Development Practitioner	Traumatic inj. To muscles,, joints, etc. Uns	0.51
Child Development Practitioner	Traumatic tendinitis (due to repetitive motions use 17330)	0.51
Child Development Practitioner	Unknown nature of injury	0.13



Child Development Practitioner - Inclusion Practices	Abrasions, scratches	0.26
Child Development Practitioner - Inclusion Practices	Avulsions	0.13
Child Development Practitioner - Inclusion Practices	Back pain, hurt back	0.39
Child Development Practitioner - Inclusion Practices	Concussions	7.84
Child Development Practitioner - Inclusion Practices	Cuts, abrasions, bruises	0.39
Child Development Practitioner - Inclusion Practices	Cuts, lacerations	1.16
Child Development Practitioner - Inclusion Practices	Dislocations	0.9
Child Development Practitioner - Inclusion Practices	Fractures and other injuries	0.39
Child Development Practitioner - Inclusion Practices	Intracranial injuries, UNS	1.54
Child Development Practitioner - Inclusion Practices	Multiple surface wounds and bruises	0.13
Child Development Practitioner - Inclusion Practices	Nonspecific injuries and disorders, N.E.C.	0.13
Child Development Practitioner - Inclusion Practices	Nonspecific injuries and disorders, unspecified	2.7
Child Development Practitioner - Inclusion Practices	Oth combinations of traumatic inj. & Disorders, N.E.C.	0.77
Child Development Practitioner - Inclusion Practices	Rotator cuff tear	0.39
Child Development Practitioner - Inclusion Practices	Soft tissue injury	3.21
Child Development Practitioner - Inclusion Practices	Soreness, pain, hurt, except the back	1.03
Child Development Practitioner - Inclusion Practices	Sprains or strains and bruises	4.63
Child Development Practitioner - Inclusion Practices	Sprains, strains, tears, N.E.C.	0.51
Child Development Practitioner - Inclusion Practices	Traum inj. musclskeletal sys tendons ligmnts joints N.E.C.	0.39
Child Development Practitioner - Inclusion Practices	Traumatic arthropathies, arthritis, polyarthritis, ankylosis	0.13
Child Development Practitioner - Inclusion Practices	Traumatic bursitis (due to repetitive motions use 17310)	0.39
Child Development Practitioner - Inclusion Practices	Traumatic dorsopathies, N.E.C.	0.13
Child Development Practitioner - Inclusion Practices	Traumatic herniated disc	0.13
Child Development Practitioner - Inclusion Practices	Traumatic inj. To muscles,, joints, etc. Uns	0.51
Child Development Practitioner - Inclusion Practices	Traumatic tendinitis (due to repetitive motions use 17330)	0.51
Child Development Practitioner - Inclusion Practices	Unknown nature of injury	0.13
Cook	Avulsions	0.15
Cook	Back pain, hurt back	0.46
Cook	Burns, UNS	0.31
Cook	Cerebral hemorrhages	0.15
Cook	Concussions	8.01
Cook	Cuts, abrasions, bruises	0.31
Cook	Cuts, lacerations	2.62
Cook	Dislocations	1.85
Cook	Fractures and other injuries	0.92
Cook	Heat burns, scalds, N.E.C.	0.15
Cook	Heat burns, scalds, UNS	0.15
Cook	Herniated disc	0.15
Cook	Intracranial injuries, UNS	1.08
Cook	Loss of consciousness--not heat related	0.31
Cook	Meniscal tear	0.31
Cook	Multiple surface wounds and bruises	0.15
Cook	Nonspecific injuries and disorders, N.E.C.	0.15
Cook	Nonspecific injuries and disorders, unspecified	3.24
Cook	Oth combinations of traumatic inj. & Disorders, N.E.C.	0.77
Cook	Rotator cuff tear	0.31
Cook	Second-degree heat burns, scalds	0.31
Cook	Soft tissue injury	4.16
Cook	Soreness, pain, hurt, except the back	0.62
Cook	Sprains or strains and bruises	2.31
Cook	Sprains, strains, tears, N.E.C.	0.31
Cook	Symptoms involving nervous & musculoskel. Sys., N.E.C.	0.15
Cook	Traum inj. musclskeletal sys tendons ligmnts joints N.E.C.	0.31
Cook	Traumatic dorsopathies, N.E.C.	0.15
Cook	Traumatic inj. To muscles,, joints, etc. Uns	0.15
Cook	Traumatic tendinitis (due to repetitive motions use 17330)	0.31
Developmental Services Worker	Abrasions, scratches	0.54
Developmental Services Worker	Back pain, hurt back	0.54
Developmental Services Worker	Concussions	8.63
Developmental Services Worker	Crushing injuries	0.13
Developmental Services Worker	Cuts, abrasions, bruises	0.27
Developmental Services Worker	Cuts, lacerations	0.67
Developmental Services Worker	Dislocations	0.54



Developmental Services Worker	Fractures and other injuries	0.67
Developmental Services Worker	Intracranial injuries, N.E.C.	0.27
Developmental Services Worker	Intracranial injuries, UNS	1.21
Developmental Services Worker	Meniscal tear	0.54
Developmental Services Worker	Multiple nonspecific injuries and disorders	0.27
Developmental Services Worker	Multiple surface wounds and bruises	0.13
Developmental Services Worker	Nonspecific injuries and disorders, N.E.C.	0.13
Developmental Services Worker	Nonspecific injuries and disorders, unspecified	4.04
Developmental Services Worker	Oth combinations of traumatic inj. & Disorders, N.E.C.	0.27
Developmental Services Worker	Rotator cuff tear	0.13
Developmental Services Worker	Soft tissue injury	4.99
Developmental Services Worker	Soreness, pain, hurt, except the back	0.81
Developmental Services Worker	Sprains or strains and bruises	3.1
Developmental Services Worker	Sprains, strains, tears, N.E.C.	0.81
Developmental Services Worker	Traum injns musclskeletal sys tendons ligmnts joints N.E.C.	0.13
Developmental Services Worker	Traumatic bursitis (due to repetitive motions use 17310)	0.13
Developmental Services Worker	Traumatic inj. To muscles, ..., joints, etc. Uns	0.27
Developmental Services Worker	Traumatic lumbago	0.13
Developmental Services Worker	Traumatic tendinitis (due to repetitive motions use 17330)	0.27
Educational Assistant	Abrasions, scratches	0.37
Educational Assistant	Animal or insect bites	0.05
Educational Assistant	Back pain, hurt back	0.43
Educational Assistant	Cerebral hemorrhages	0.05
Educational Assistant	Concussions	9.14
Educational Assistant	Crushing injuries	0.05
Educational Assistant	Cuts, abrasions, bruises	0.48
Educational Assistant	Cuts, lacerations	1.22
Educational Assistant	Dislocations	0.85
Educational Assistant	Fractures and other injuries	0.64
Educational Assistant	Hernia, N.E.C.	0.05
Educational Assistant	Intracranial injuries, N.E.C.	0.27
Educational Assistant	Intracranial injuries, UNS	1.43
Educational Assistant	Meniscal tear	0.11
Educational Assistant	Multiple nonspecific injuries and disorders	0.16
Educational Assistant	Multiple surface wounds and bruises	0.21
Educational Assistant	Nonspecific injuries and disorders, N.E.C.	0.53
Educational Assistant	Nonspecific injuries and disorders, unspecified	3.29
Educational Assistant	Oth combinations of traumatic inj. & Disorders, N.E.C.	0.43
Educational Assistant	Rotator cuff tear	0.27
Educational Assistant	Soft tissue injury	4.09
Educational Assistant	Soreness, pain, hurt, except the back	0.21
Educational Assistant	Sprains or strains and bruises	4.3
Educational Assistant	Sprains, strains, tears, N.E.C.	0.21
Educational Assistant	Traum injns musclskeletal sys tendons ligmnts joints N.E.C.	0.11
Educational Assistant	Traumatic bursitis (due to repetitive motions use 17310)	0.11
Educational Assistant	Traumatic cervicalgia	0.05
Educational Assistant	Traumatic herniated disc	0.05
Educational Assistant	Traumatic inj. To muscles, ..., joints, etc. Uns	0.43
Educational Assistant	Traumatic injuries & disorders, UNS	0.05
Educational Assistant	Traumatic lumbago	0.16
Educational Assistant	Traumatic tendinitis (due to repetitive motions use 17330)	0.32
Electronic Service Technician	Abrasions, scratches	1.06
Electronic Service Technician	Back pain, hurt back	2.13
Electronic Service Technician	Concussions	3.19
Electronic Service Technician	Cuts, lacerations	1.06
Electronic Service Technician	Intracranial injuries, UNS	2.13
Electronic Service Technician	Multiple surface wounds and bruises	2.13
Electronic Service Technician	Nonspecific injuries and disorders, unspecified	2.13
Electronic Service Technician	Oth combinations of traumatic inj. & Disorders, N.E.C.	1.06
Electronic Service Technician	Rotator cuff tear	1.06
Electronic Service Technician	Soft tissue injury	2.13
Electronic Service Technician	Soreness, pain, hurt, except the back	2.13
Electronic Service Technician	Sprains or strains and bruises	7.45



Electronic Service Technician	Traumatic radiculitis	1.06
Hardware, Lumber and Building Materials Retailer	Abrasions, scratches	0.18
Hardware, Lumber and Building Materials Retailer	Back pain, hurt back	0.37
Hardware, Lumber and Building Materials Retailer	Concussions	8.47
Hardware, Lumber and Building Materials Retailer	Crushing injuries	0.18
Hardware, Lumber and Building Materials Retailer	Cuts, abrasions, bruises	0.18
Hardware, Lumber and Building Materials Retailer	Cuts, lacerations	2.39
Hardware, Lumber and Building Materials Retailer	Dislocations	0.92
Hardware, Lumber and Building Materials Retailer	Herniated disc	0.18
Hardware, Lumber and Building Materials Retailer	Intracranial injuries, UNS	1.29
Hardware, Lumber and Building Materials Retailer	Meniscal tear	1.29
Hardware, Lumber and Building Materials Retailer	Multiple nonspecific injuries and disorders	0.37
Hardware, Lumber and Building Materials Retailer	Nonspecific injuries and disorders, N.E.C.	0.18
Hardware, Lumber and Building Materials Retailer	Nonspecific injuries and disorders, unspecified	2.76
Hardware, Lumber and Building Materials Retailer	Oth combinations of traumatic inj. & Disorders, N.E.C.	0.18
Hardware, Lumber and Building Materials Retailer	Rotator cuff tear	0.92
Hardware, Lumber and Building Materials Retailer	Soft tissue injury	2.58
Hardware, Lumber and Building Materials Retailer	Soreness, pain, hurt, except the back	0.55
Hardware, Lumber and Building Materials Retailer	Sprains or strains and bruises	3.68
Hardware, Lumber and Building Materials Retailer	Sprains, strains, tears, N.E.C.	0.18
Hardware, Lumber and Building Materials Retailer	Traumatic bursitis (due to repetitive motions use 17310)	0.55
Hardware, Lumber and Building Materials Retailer	Traumatic inj. To muscles, ..., joints, etc. Uns	0.92
Hardware, Lumber and Building Materials Retailer	Traumatic injuries & disorders, UNS	0.18
Hardware, Lumber and Building Materials Retailer	Traumatic radiculitis	0.18
Hardware, Lumber and Building Materials Retailer	Traumatic sciatica	0.18
Hardware, Lumber and Building Materials Retailer	Traumatic tendinitis (due to repetitive motions use 17330)	0.55
Horse Groom	Fractures and other injuries	1.82
Horse Groom	Intracranial injuries, UNS	1.82
Horse Groom	Meniscal tear	3.64
Horse Groom	Sprains or strains and bruises	3.64
Horse Groom	Sprains, strains, tears, N.E.C.	1.82
Horticultural Technician	Concussions	3.9
Horticultural Technician	Cuts, lacerations	1.3
Horticultural Technician	Dislocations	1.3
Horticultural Technician	Fractures and other injuries	1.3
Horticultural Technician	Intracranial injuries, UNS	1.3
Horticultural Technician	Meniscal tear	2.6
Horticultural Technician	Nonspecific injuries and disorders, N.E.C.	1.3
Horticultural Technician	Rotator cuff tear	1.3
Horticultural Technician	Soft tissue injury	3.9
Horticultural Technician	Soreness, pain, hurt, except the back	1.3
Horticultural Technician	Sprains or strains and bruises	1.3
Institutional Cook	Avulsions	0.15
Institutional Cook	Back pain, hurt back	0.46
Institutional Cook	Burns, UNS	0.31
Institutional Cook	Cerebral hemorrhages	0.15
Institutional Cook	Concussions	8.01
Institutional Cook	Cuts, abrasions, bruises	0.31
Institutional Cook	Cuts, lacerations	2.62
Institutional Cook	Dislocations	1.85
Institutional Cook	Fractures and other injuries	0.92
Institutional Cook	Heat burns, scalds, N.E.C.	0.15
Institutional Cook	Heat burns, scalds, UNS	0.15
Institutional Cook	Herniated disc	0.15
Institutional Cook	Intracranial injuries, UNS	1.08
Institutional Cook	Loss of consciousness--not heat related	0.31
Institutional Cook	Meniscal tear	0.31
Institutional Cook	Multiple surface wounds and bruises	0.15
Institutional Cook	Nonspecific injuries and disorders, N.E.C.	0.15
Institutional Cook	Nonspecific injuries and disorders, unspecified	3.24
Institutional Cook	Oth combinations of traumatic inj. & Disorders, N.E.C.	0.77
Institutional Cook	Rotator cuff tear	0.31
Institutional Cook	Second-degree heat burns, scalds	0.31



Institutional Cook	Soft tissue injury	4.16
Institutional Cook	Soreness, pain, hurt, except the back	0.62
Institutional Cook	Sprains or strains and bruises	2.31
Institutional Cook	Sprains, strains, tears, N.E.C.	0.31
Institutional Cook	Symptoms involving nervous & musculoskel. Sys., N.E.C.	0.15
Institutional Cook	Traum injns musclskeletal sys tendons ligmnts joints N.E.C.	0.31
Institutional Cook	Traumatic dorsopathies, N.E.C.	0.15
Institutional Cook	Traumatic inj. To muscles, ..., joints, etc. Uns	0.15
Institutional Cook	Traumatic tendinitis (due to repetitive motions use 17330)	0.31
IT - Contact Centre Customer Service Agent	Abrasions, scratches	0.13
IT - Contact Centre Customer Service Agent	Avulsions	0.13
IT - Contact Centre Customer Service Agent	Back pain, hurt back	0.13
IT - Contact Centre Customer Service Agent	Concussions	9.38
IT - Contact Centre Customer Service Agent	Crushing injuries	0.25
IT - Contact Centre Customer Service Agent	Cuts, abrasions, bruises	0.38
IT - Contact Centre Customer Service Agent	Cuts, lacerations	1.77
IT - Contact Centre Customer Service Agent	Dislocations	0.89
IT - Contact Centre Customer Service Agent	Fractures and other injuries	0.63
IT - Contact Centre Customer Service Agent	Hernia, UNS	0.13
IT - Contact Centre Customer Service Agent	Intracranial injuries, N.E.C.	0.13
IT - Contact Centre Customer Service Agent	Intracranial injuries, UNS	1.9
IT - Contact Centre Customer Service Agent	Meniscal tear	0.51
IT - Contact Centre Customer Service Agent	Multiple nonspecific injuries and disorders	0.13
IT - Contact Centre Customer Service Agent	Multiple surface wounds and bruises	0.38
IT - Contact Centre Customer Service Agent	Nonspecific injuries and disorders, N.E.C.	0.13
IT - Contact Centre Customer Service Agent	Nonspecific injuries and disorders, unspecified 2.79	
IT - Contact Centre Customer Service Agent	Osteopathies, chondropathies, acquired deform., N.E.C.	0.13
IT - Contact Centre Customer Service Agent	Oth combinations of traumatic inj. & Disorders, N.E.C. 0.38	
IT - Contact Centre Customer Service Agent	Rotator cuff tear 0.51	
IT - Contact Centre Customer Service Agent	Soft tissue injury	3.3
IT - Contact Centre Customer Service Agent	Soreness, pain, hurt, except the back 0.63	
IT - Contact Centre Customer Service Agent	Sprains or strains and bruises	3.55
IT - Contact Centre Customer Service Agent	Sprains, strains, tears, N.E.C.	0.25
IT - Contact Centre Customer Service Agent	Traum injns musclskeletal sys tendons ligmnts joints UNSPEC.	0.13
IT - Contact Centre Customer Service Agent	Traumatic bursitis (due to repetitive motions use 17310)	0.25
IT - Contact Centre Customer Service Agent	Traumatic cervicalgia	0.13
IT - Contact Centre Customer Service Agent	Traumatic dorsalgia	0.13
IT - Contact Centre Customer Service Agent	Traumatic epicondylitis	0.13
IT - Contact Centre Customer Service Agent	Traumatic tendinitis (due to repetitive motions use 17330)	0.38
IT - Contact Centre Sales Agent	Abrasions, scratches	0.13
IT - Contact Centre Sales Agent	Avulsions	0.13
IT - Contact Centre Sales Agent	Back pain, hurt back	0.13
IT - Contact Centre Sales Agent	Concussions	9.38
IT - Contact Centre Sales Agent	Crushing injuries	0.25
IT - Contact Centre Sales Agent	Cuts, abrasions, bruises	0.38
IT - Contact Centre Sales Agent	Cuts, lacerations	1.77
IT - Contact Centre Sales Agent	Dislocations 0.89	
IT - Contact Centre Sales Agent	Fractures and other injuries	0.63
IT - Contact Centre Sales Agent	Hernia, UNS	0.13
IT - Contact Centre Sales Agent	Intracranial injuries, N.E.C.	0.13
IT - Contact Centre Sales Agent	Intracranial injuries, UNS	1.9
IT - Contact Centre Sales Agent	Meniscal tear	0.51
IT - Contact Centre Sales Agent	Multiple nonspecific injuries and disorders	0.13
IT - Contact Centre Sales Agent	Multiple surface wounds and bruises	0.38
IT - Contact Centre Sales Agent	Nonspecific injuries and disorders, N.E.C.	0.13
IT - Contact Centre Sales Agent	Nonspecific injuries and disorders, unspecified	2.79
IT - Contact Centre Sales Agent	Osteopathies, chondropathies, acquired deform., N.E.C.	0.13
IT - Contact Centre Sales Agent	Oth combinations of traumatic inj. & Disorders, N.E.C.	0.38
IT - Contact Centre Sales Agent	Rotator cuff tear	0.51
IT - Contact Centre Sales Agent	Soft tissue injury	3.3
IT - Contact Centre Sales Agent	Soreness, pain, hurt, except the back	0.63
IT - Contact Centre Sales Agent	Sprains or strains and bruises	3.55
IT - Contact Centre Sales Agent	Sprains, strains, tears, N.E.C.	0.25



IT - Contact Centre Sales Agent	Traum injns musclskeletal sys tendons ligmnts joints UNSPEC.	0.13
IT - Contact Centre Sales Agent	Traumatic bursitis (due to repetitive motions use 17310)	0.25
IT - Contact Centre Sales Agent	Traumatic cervicalgia	0.13
IT - Contact Centre Sales Agent	Traumatic dorsalgia	0.13
IT - Contact Centre Sales Agent	Traumatic epicondylitis	0.13
IT - Contact Centre Sales Agent	Traumatic tendinitis (due to repetitive motions use 17330)	0.38
Micro Electronics Manufacturer	Bruises, contusions	10.34
Micro Electronics Manufacturer	Intracranial injuries, UNS	3.45
Micro Electronics Manufacturer	Rotator cuff tear	3.45
Micro Electronics Manufacturer	Sprains or strains and bruises	3.45
Micro Electronics Manufacturer	Traumatic herniated disc	3.45
Micro Electronics Manufacturer	Traumatic tendinitis (due to repetitive motions use 17330)	3.45
Network Cabling Specialist	Concussions	1.14
Network Cabling Specialist	Cuts, lacerations	2.27
Network Cabling Specialist	Dislocations	2.27
Network Cabling Specialist	Meniscal tear	1.14
Network Cabling Specialist	Nonspecific injuries and disorders, unspecified	2.27
Network Cabling Specialist	Rotator cuff tear	2.27
Network Cabling Specialist	Soft tissue injury	2.27
Network Cabling Specialist	Soreness, pain, hurt, except the back	1.14
Network Cabling Specialist	Sprains or strains and bruises	4.55
Network Cabling Specialist	Traumatic tendinitis (due to repetitive motions use 17330)	1.14
Parts Technician	Abrasions, scratches	0.94
Parts Technician	Concussions	7.55
Parts Technician	Cuts, abrasions, bruises	0.94
Parts Technician	Cuts, lacerations	2.83
Parts Technician	Dislocations	1.89
Parts Technician	Intracranial injuries, UNS	0.94
Parts Technician	Nonspecific injuries and disorders, unspecified	1.89
Parts Technician	Oth combinations of traumatic inj. & Disorders, N.E.C.	2.83
Parts Technician	Rotator cuff tear	0.94
Parts Technician	Soft tissue injury	0.94
Parts Technician	Sprains or strains and bruises	1.89
Parts Technician	Traum injns musclskeletal sys tendons ligmnts joints N.E.C.	0.94
Parts Technician	Traumatic disc disorders, N.E.C.	0.94
Parts Technician	Traumatic inj. To muscles, ..., joints, etc. Uns	0.94
Parts Technician	Traumatic injuries to spinal cord	0.94
Pool, Hot Tub and Spa - Installer	Amputations, fingertip	0.42
Pool, Hot Tub and Spa - Installer	Back pain, hurt back	0.42
Pool, Hot Tub and Spa - Installer	Concussions	5.93
Pool, Hot Tub and Spa - Installer	Cuts, lacerations	2.12
Pool, Hot Tub and Spa - Installer	Dislocations	3.39
Pool, Hot Tub and Spa - Installer	Fractures and other injuries	0.85
Pool, Hot Tub and Spa - Installer	Intracranial injuries, UNS	1.27
Pool, Hot Tub and Spa - Installer	Meniscal tear	1.27
Pool, Hot Tub and Spa - Installer	Multiple intracranial injuries	0.42
Pool, Hot Tub and Spa - Installer	Nonspecific injuries and disorders, N.E.C.	0.42
Pool, Hot Tub and Spa - Installer	Nonspecific injuries and disorders, unspecified	2.12
Pool, Hot Tub and Spa - Installer	Rotator cuff tear	0.85
Pool, Hot Tub and Spa - Installer	Soft tissue injury	2.12
Pool, Hot Tub and Spa - Installer	Sprains or strains and bruises	2.12
Pool, Hot Tub and Spa - Installer	Sprains, strains, tears, N.E.C.	0.85
Pool, Hot Tub and Spa - Installer	Traumatic injuries to nerves, except the spinal cord, unspec	0.42
Pool, Hot Tub and Spa - Installer	Traumatic sciatica	0.42
Pool, Hot Tub and Spa - Service Technician	Amputations, fingertip	0.42
Pool, Hot Tub and Spa - Service Technician	Back pain, hurt back	0.42
Pool, Hot Tub and Spa - Service Technician	Concussions	5.93
Pool, Hot Tub and Spa - Service Technician	Cuts, lacerations	2.12
Pool, Hot Tub and Spa - Service Technician	Dislocations	3.39
Pool, Hot Tub and Spa - Service Technician	Fractures and other injuries	0.85
Pool, Hot Tub and Spa - Service Technician	Intracranial injuries, UNS	1.27
Pool, Hot Tub and Spa - Service Technician	Meniscal tear	1.27
Pool, Hot Tub and Spa - Service Technician	Multiple intracranial injuries	0.42

Pool, Hot Tub and Spa - Service Technician	Nonspecific injuries and disorders, N.E.C.	0.42
Pool, Hot Tub and Spa - Service Technician	Nonspecific injuries and disorders, unspecified	2.12
Pool, Hot Tub and Spa - Service Technician	Rotator cuff tear	0.85
Pool, Hot Tub and Spa - Service Technician	Soft tissue injury	2.12
Pool, Hot Tub and Spa - Service Technician	Sprains or strains and bruises	2.12
Pool, Hot Tub and Spa - Service Technician	Sprains, strains, tears, N.E.C.	0.85
Pool, Hot Tub and Spa - Service Technician	Traumatic injuries to nerves, except the spinal cord, unspec	0.42
Pool, Hot Tub and Spa - Service Technician	Traumatic sciatica	0.42
Retail Meat Cutter	Cuts, lacerations	6.78
Retail Meat Cutter	Fractures and other injuries	1.69
Retail Meat Cutter	Intracranial injuries, UNS	1.69
Retail Meat Cutter	Meniscal tear	3.39
Retail Meat Cutter	Rotator cuff tear	1.69
Retail Meat Cutter	Soft tissue injury	3.39
Special Events Coordinator	Back pain, hurt back	4.76
Special Events Coordinator	Bruises, contusions	4.76
Special Events Coordinator	Nonspecific injuries and disorders, N.E.C.	4.76
Special Events Coordinator	Soft tissue injury	4.76
Special Events Coordinator	Soreness, pain, hurt, except the back	4.76
Utility Arborist	Concussions	3.9
Utility Arborist	Cuts, lacerations	1.3
Utility Arborist	Dislocations	1.3
Utility Arborist	Fractures and other injuries	1.3
Utility Arborist	Intracranial injuries, UNS	1.3
Utility Arborist	Meniscal tear	2.6
Utility Arborist	Nonspecific injuries and disorders, N.E.C.	1.3
Utility Arborist	Rotator cuff tear	1.3
Utility Arborist	Soft tissue injury	3.9
Utility Arborist	Soreness, pain, hurt, except the back	1.3
Utility Arborist	Sprains or strains and bruises	1.3

BUILDING CAPACITY FOR PRODUCTIVE AND SUSTAINABLE WORK.

Contact CISWP:

Website: CISWP.ca

Email: info@ciswp.ca

Address: 25 Reuter Drive Cambridge,
Ontario N3E 1A9, Canada

