



Workplace Safety and Health Report January - June 2018

National Statistics



MINISTRY OF
MANPOWER

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NOTATIONS

- : Nil or negligible
- n.a. : Not applicable/Not available
- 2018^P : 2018 figures are preliminary.
- * : Estimated rates. The employment data excludes self-employed persons.

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Note:

The statistical tables are not exhaustive and reflect only top sub-sectors / incident types & agents / injuries / rates.

KEY FACTS

LARGELY SIMILAR NUMBER OF WORKPLACE FATALITIES IN FIRST HALF 2018 AS FIRST HALF OF 2017

There were 20 workplace fatal injury cases in first half 2018 (1H 2018), 1 case higher than in first half 2017 (1H 2017). Nonetheless, the overall number of workplace injury cases decreased by 2.9% from 6,211 cases in 1H 2017 to 6,032 cases in 1H 2018. Occupational disease incidence also decreased 37.6% from 1H 2017's 471 cases to 294 cases in 1H 2018.

The number of workplace major injury cases increased marginally by 1 case in 1H 2018 with 285 workers sustaining workplace major injuries compared to 284 cases in 1H 2017. On the other hand, workplace minor injuries saw a 3% decrease in 1H 2018 with 5,727 cases compared to 5,908 cases in 1H 2017.

Table 1.1: Number of workplace injuries, dangerous occurrences and occupational diseases, 2017 and 2018

	As at end of June		2017
	2018 ^P	2017	
Workplace Injuries	6,032	6,211	12,498
Fatal Injuries	20	19	42
Major Injuries	285	284	574
Minor Injuries	5,727	5,908	11,882
Dangerous Occurrences	9	20	35
Occupational Diseases (OD)	294	471	799

Table 1.2: Key safety and health rates, 2017 and 2018

	As at end of June		2017
	2018 ^P	2017	
Workplace Injury Rate²	178	182	369
Fatal Injury rate	0.6	0.6	1.2
Major Injury rate	8.4	8.3	16.9
Minor Injury rate	169	173	351
Accident Frequency Rate ³	1.5	1.5	1.6
Accident Severity Rate ⁴	61	67	69
Occupational Disease Incidence Rate⁵	8.7	13.8	23.6

Per 100,000 employed persons

¹ A **workplace injury** is any personal injury or death resulting from a workplace accident, including work-related traffic injuries. Please refer to Annexes B and C for the types of workplace injuries covered.

² Workplace Injury Rate = $\frac{\text{No. of Fatal and Non-Fatal Workplace Injuries}}{\text{No. of Employed Persons}} \times 100,000$

³ Accident Frequency Rate (AFR) = $\frac{\text{No. of Workplace Accidents Reported}}{\text{No. of Man-hours Worked}} \times 1,000,000$

⁴ Accident Severity Rate (ASR) = $\frac{\text{No. of Man Days Lost To Workplace Accidents}}{\text{No. of Man-hours Worked}} \times 1,000,000$

⁵ Occupational Disease Incidence Rate = $\frac{\text{No. of Occupational Disease Cases}}{\text{No. of Employed Persons}} \times 100,000$

The main findings on workplace safety and health performance for 1H 2018 are:

WORKPLACE INJURIES

- 20 workers were fatally injured. The 12-month rolling fatal injury rate⁶ as at end June 2018 was 1.3 per 100,000 employed persons.
- 285 workers sustained workplace major injuries. The 12-month rolling major injury rate as at end June 2018 was 16.9 per 100,000 employed persons.
- 5,727 workers sustained workplace minor injuries. The 12-month rolling minor injury rate as at end June 2018 was 344.5 per 100,000 employed persons.
- 244,791 man-days were lost, a rate of 61 man-days lost per million man-hours worked (i.e. accident severity rate).
- 1.5 incidents occurred for every million man-hours worked (i.e. accident frequency rate).

DANGEROUS OCCURRENCES

- 9 dangerous occurrences (DO) were reported to MOM.

OCCUPATIONAL DISEASES

- 294 occupational disease (OD) cases were confirmed. The 12-month rolling incidence rate as at end June 2018 was 18.3 per 100,000 employed persons.
- The leading OD was work-related musculoskeletal disorder (WRMSD) with 157 cases.
- Second most common OD was noise-induced deafness (NID) with 102 cases.

⁶ 12-month Rolling Injury/ Incidence Rate = $\frac{\text{No. of Workplace Injuries/ Occupational Diseases for past 12 months}}{\text{No. of Employed Persons}} \times 100,000$

OVERVIEW OF TRENDS

WORKPLACE INJURIES

For 1H 2018, the overall number of workplace injuries decreased by 2.9% compared to 1H 2017. The 12-month rolling workplace injury rate had decreased to 364 from 381 in 1H 2017.

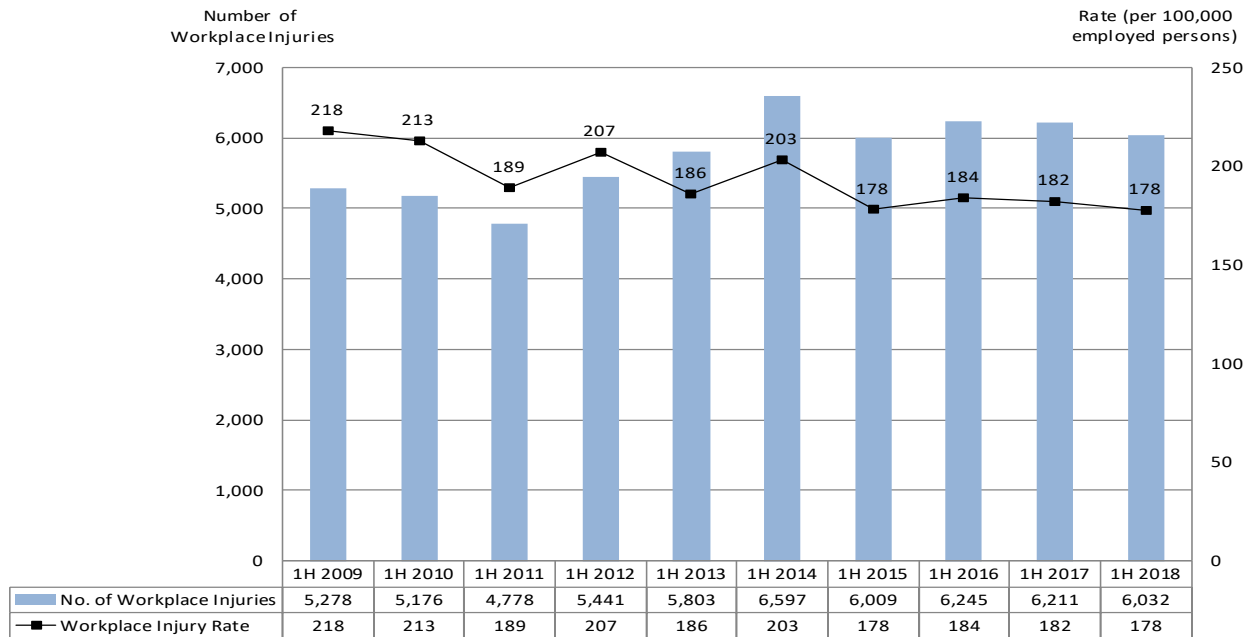


Figure 1: Workplace injury rate, 2009-2018

WORKPLACE FATAL INJURIES

There were 20 workplace fatal injuries in 1H 2018, 1 case higher than in 1H 2017. The workplace fatal injury rate was 0.6 per 100,000 employed persons in 1H 2018 (Figure 2).

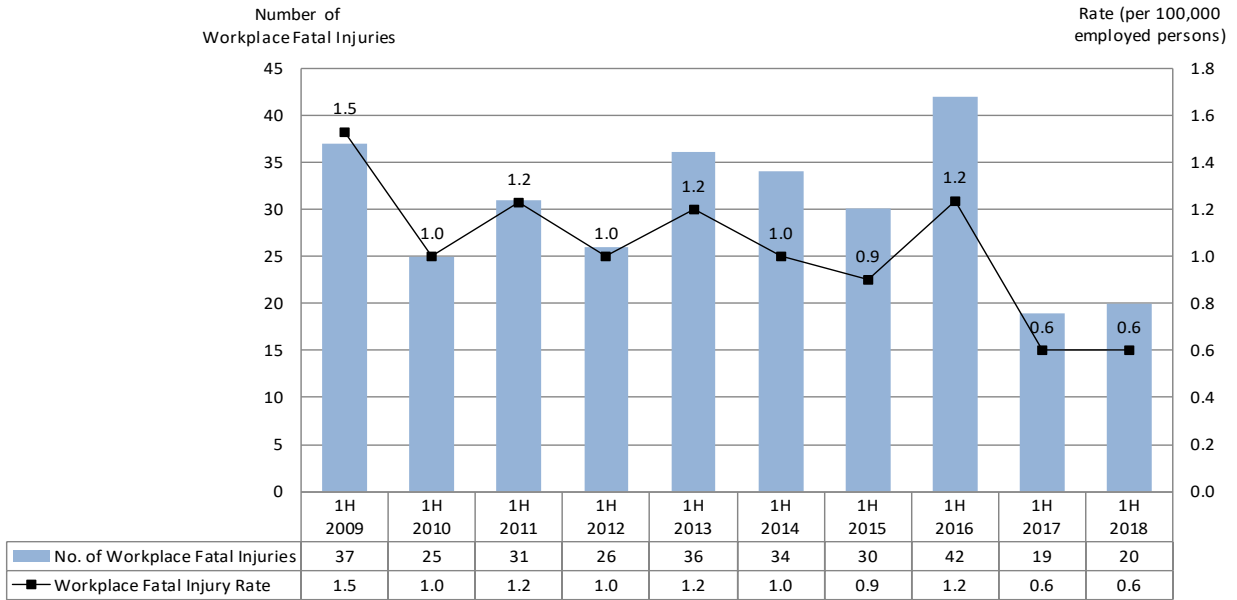


Figure 2: Workplace fatal injury rate, 2009-2018

Among different sectors, Construction was the top contributor with 40% of all workplace fatal injuries followed by Manufacturing with 20% of all workplace fatal injuries (Figure 3).

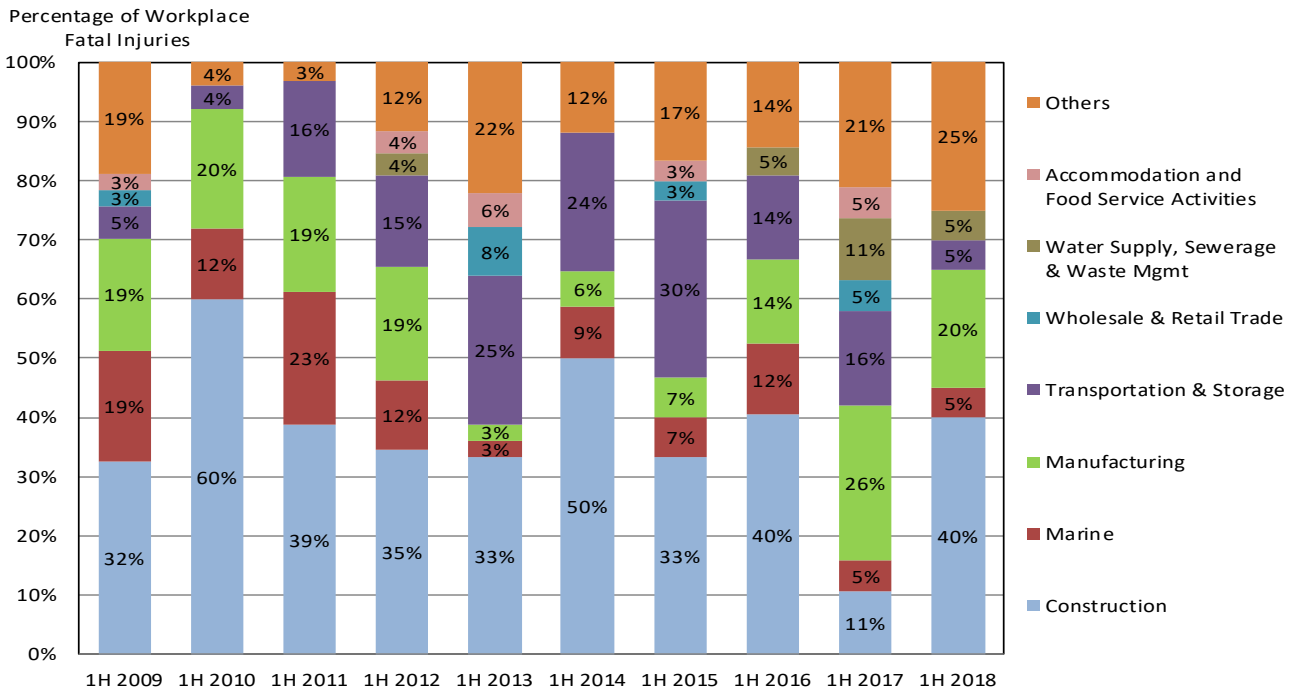


Figure 3: Proportion of workplace fatal injuries by sector, 2009-2018

CAUSES OF WORKPLACE FATAL INJURIES

In 1H 2018, the top 3 causes of fatal injuries were vehicular incidents, falls from height and slips, trips and falls. They collectively accounted for 55% of all fatal injuries in 1H 2018.

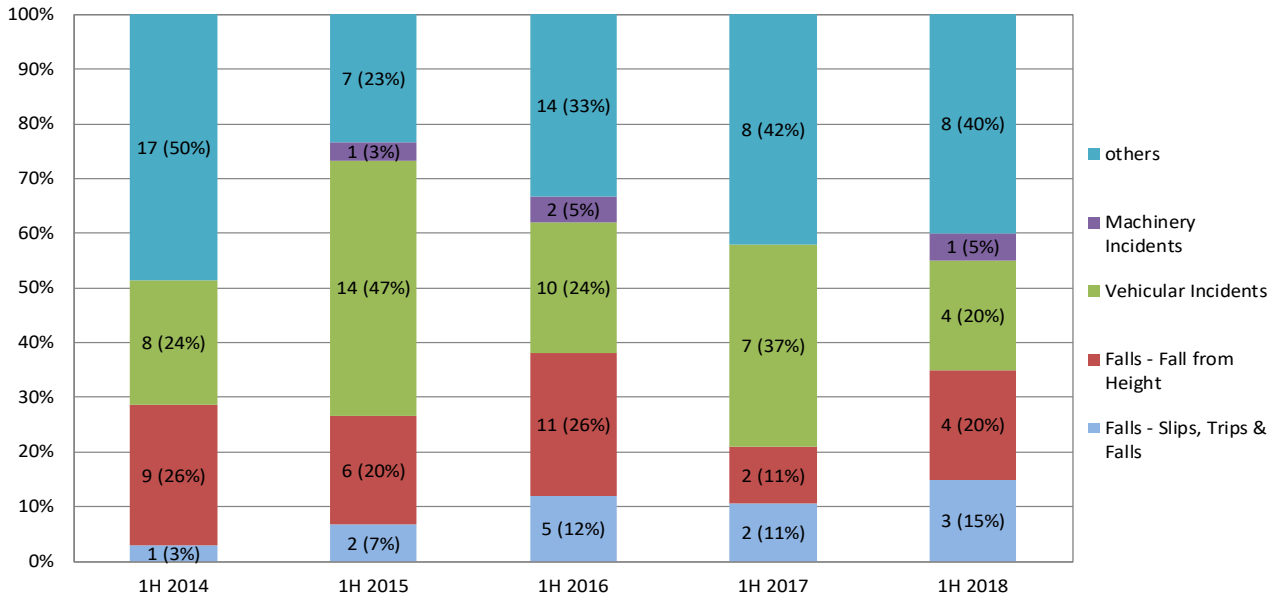


Figure 4: Proportion of workplace fatal injuries by cause of injury, 2014-2018

Note:

Vehicular-related Incidents includes Struck by Moving Objects and Caught In/Between Objects where the agent(s) is a vehicle.

Machinery-related Incidents includes Struck by Moving Objects, Caught In/Between Objects and Cut/Stabbed by Objects where the agent(s) is an industrial machine, industrial hand tool or other machines and tools.

WORKPLACE FATAL INJURIES BY SECTOR

CONSTRUCTION

The workplace fatal injury rate in the Construction sector increased from 0.4 per 100,000 employed persons in 1H 2017 to 1.8 per 100,000 employed persons in 1H 2018.

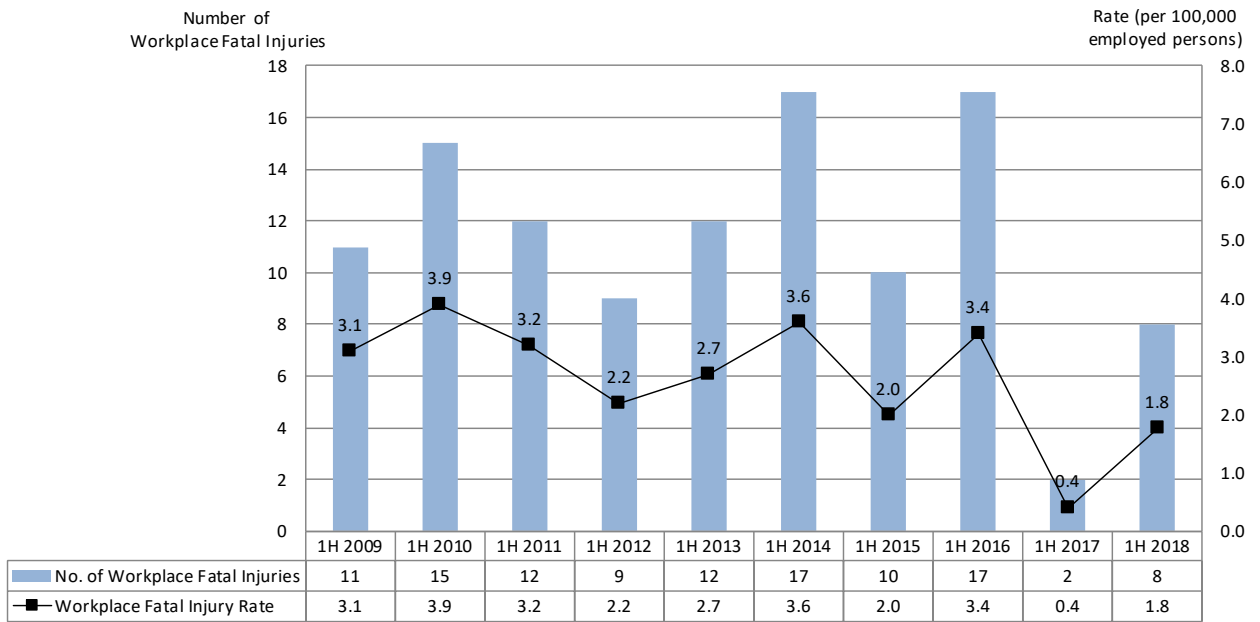


Figure 5: Workplace fatal injury rate for Construction sector, 2009-2018

Note:
Workplace Fatal Injury Rates might not correspond with injury counts due to fluctuation in employment numbers of the respective sector.

MARINE

Similar to 1H 2018, there was 1 workplace fatal injury in 1H 2018 for the Marine sector⁷. The workplace fatal injury rate increased slightly to 1.4 in 1H 2018 from 1.2 in 1H 2017.

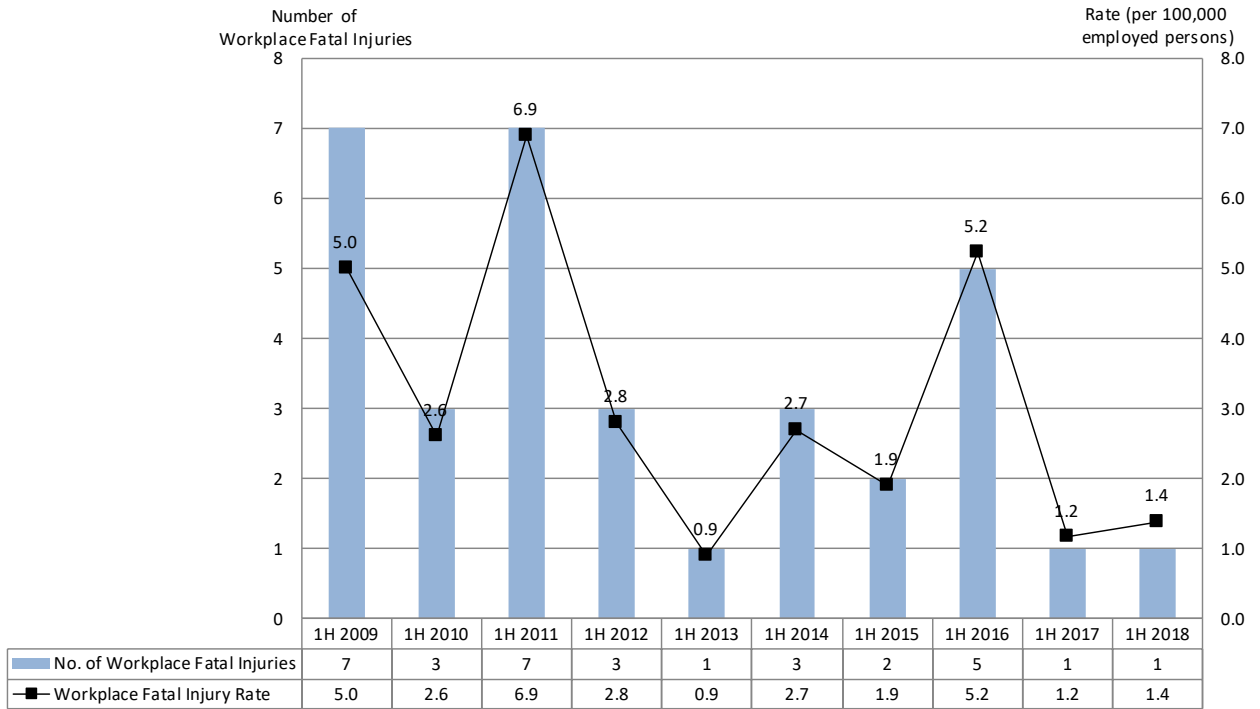


Figure 6: Workplace fatal injury rate for Marine sector, 2009-2018

⁷ The marine sector includes the following activities:

- Shipbuilding and Ship Repair
- Marine Surveying Services (other than classification societies)
- Salvaging of distressed vessels and cargo

Works carried out in the anchorage are also included.

MANUFACTURING

The workplace fatality rate for the Manufacturing sector decreased from 1.2 in 1H 2017 to 1.0 in 1H 2018.

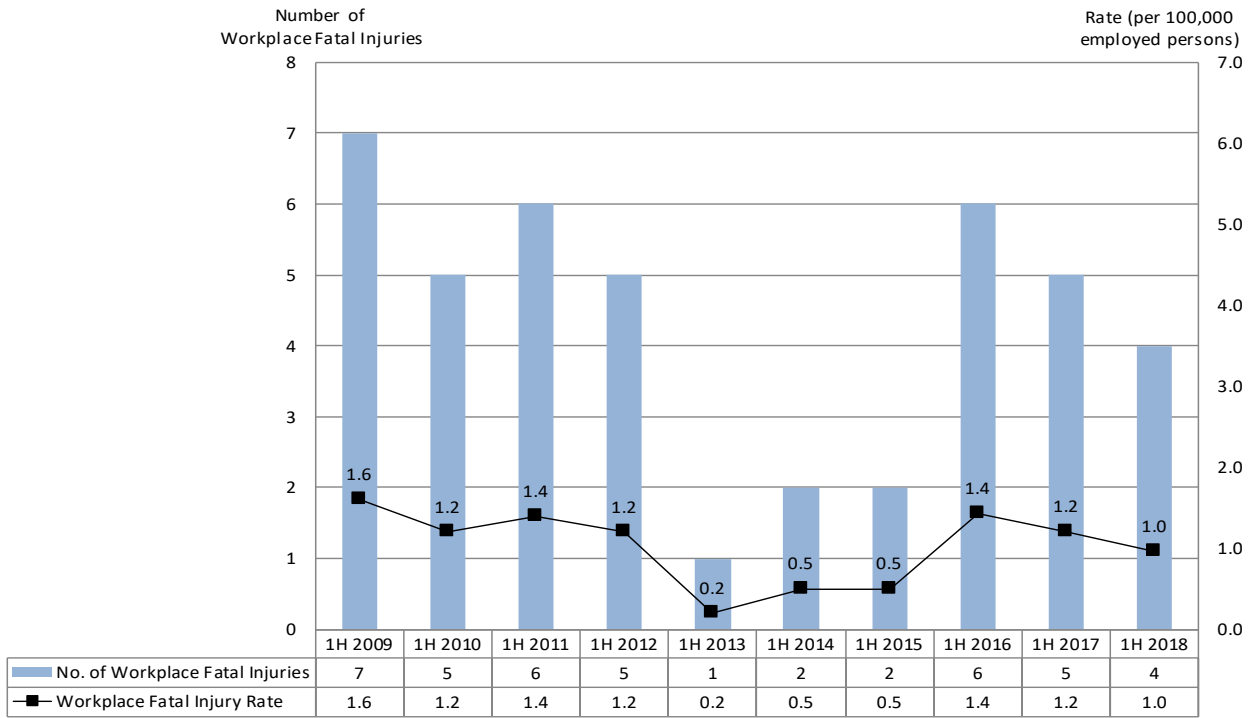


Figure 7: Workplace fatal injury rate for Manufacturing sector, 2009-2018

TRANSPORTATION & STORAGE

There was 1 workplace fatality in the Transportation & Storage sector in 1H 2018. The workplace fatal injury rate decreased from 1.2 in 1H 2017 to 0.4 in 1H 2018.

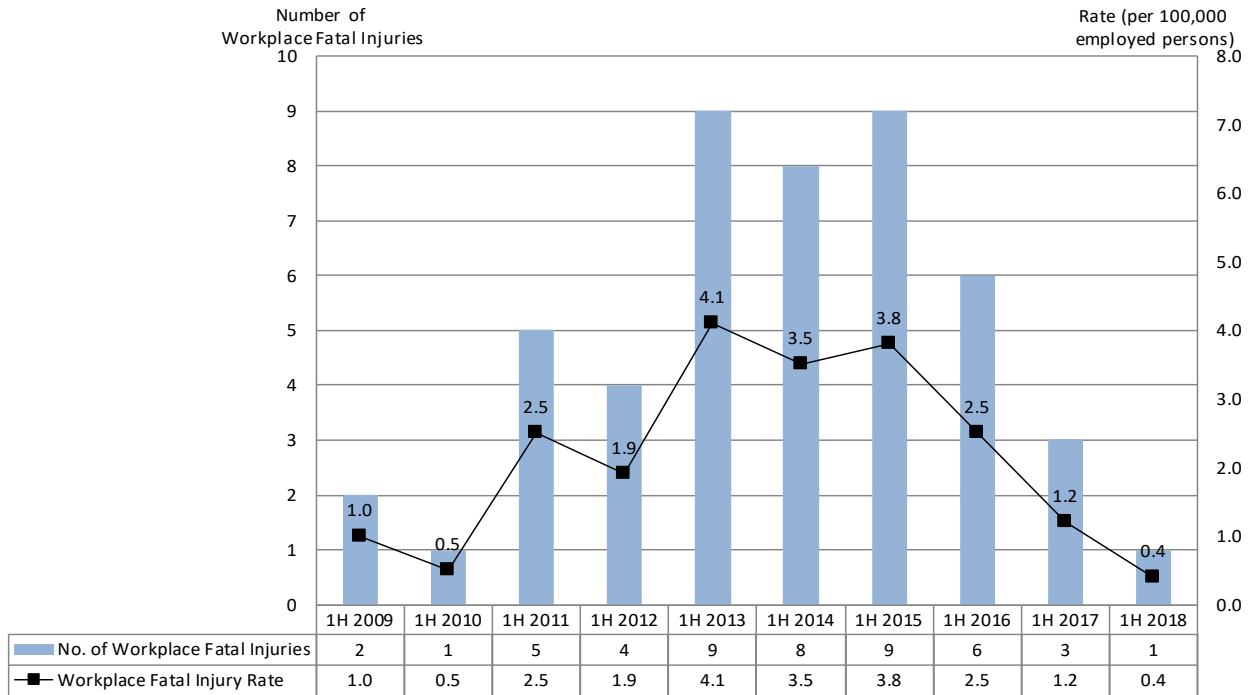


Figure 8: Workplace fatal injury rate for Transportation & Storage sector, 2009-2018

WORKPLACE MAJOR INJURIES

The number of workplace major injuries⁸ increased from 284 cases (8.3 per 100,000 employed persons) in 1H 2017 to 285 cases (8.4 per 100,000 employed persons) in 1H 2018.

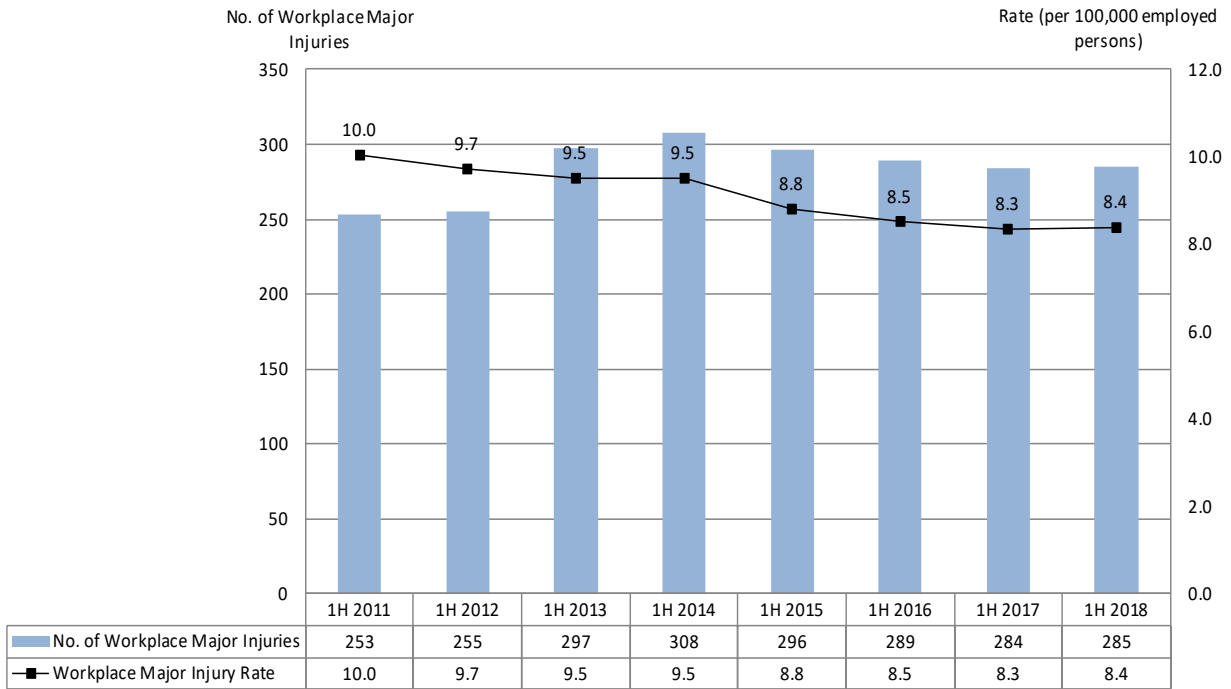


Figure 9: Workplace major injury rate, 2011-2018

WORKPLACE MAJOR INJURIES BY SECTOR

The Construction sector was the highest contributor with 64 major injuries in 1H 2018. The Manufacturing sector was the second highest contributor with 51 major injuries followed by the Community, Social and Personal Services sector with 30 major injuries. The 3 top contributing sectors accounted for 51% (145 cases) of major injuries in 1H 2017.

CAUSES OF WORKPLACE MAJOR INJURIES BY INJURY TYPES

Crushing, Fractures and Dislocations (CFD) was the leading injury type, accounting for 183 (or 64% of) major injuries in 1H 2018. This was an increase from 152 CFD cases in 1H 2017.

The second most common injury type was Amputations with 51 cases in 1H 2018. It decreased by 20% from 64 cases in 1H 2017.

⁸ Refer to Annex D for definition.

CAUSES OF WORKPLACE MAJOR INJURIES

In 1H 2018, the top 3 causes of major injuries were slips, trips and falls, machinery incidents and falls from height. They accounted for 63% of all major injuries.

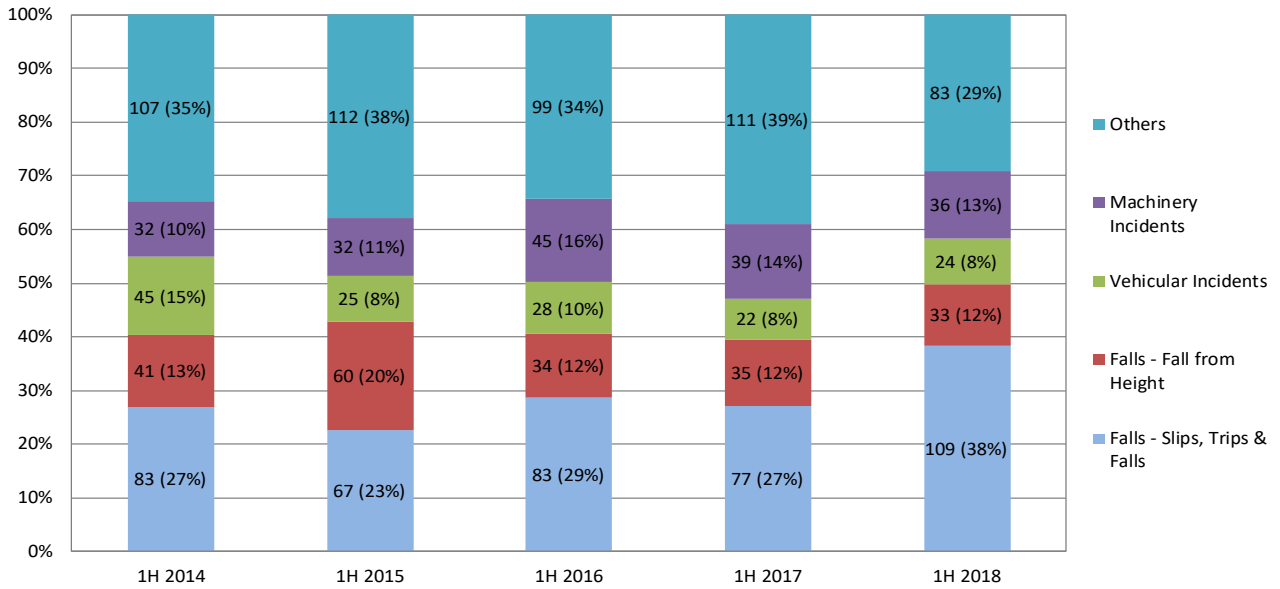


Figure 10: Proportion of workplace major Injuries by cause of injury, 2014-2018

WORKPLACE MINOR INJURIES

The number of workplace minor injuries decreased by 3% from 5,908 cases (173 per 100,000 employed persons) in 1H 2017 to 5,727 cases (169 per 100,000 employed persons) in 1H 2018.

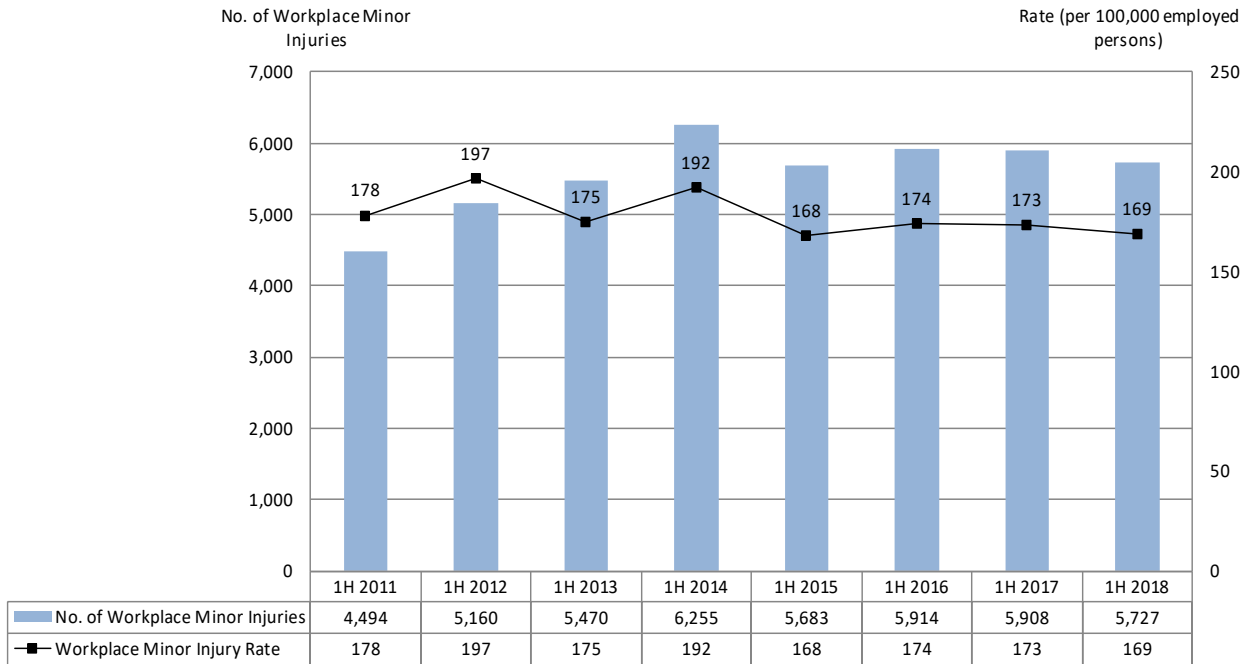


Figure 11: Workplace minor injury rate, 2011-2018

WORKPLACE MINOR INJURIES BY SECTOR

Manufacturing, Construction, Community, Social & Personal Services and Accommodation & Food Services were the top contributing sectors and accounted for 53% of all minor injuries in 1H 2018. Minor Injuries contributed by Manufacturing sector decreased by 6% with 1,123 minor injuries contributed in 1H 2018 compared against 1,189 minor injuries in 1H 2017.

CAUSES OF WORKPLACE MINOR INJURIES BY INJURY TYPES

Cuts and Bruises was the leading injury type, accounting for 1,887 (33%) minor injuries in 1H 2018. The second most common injury type was Crushing, Fractures and Dislocations with 1,481 (26%) cases while Sprains and Strains contributed 808 (14%) cases in 1H 2018.

CAUSES OF WORKPLACE MINOR INJURIES

In 1H 2018, the top 3 causes of minor injuries were slips, trips and falls, machinery incidents and vehicular incidents. They accounted for 51% of all minor injuries (Figure 12).

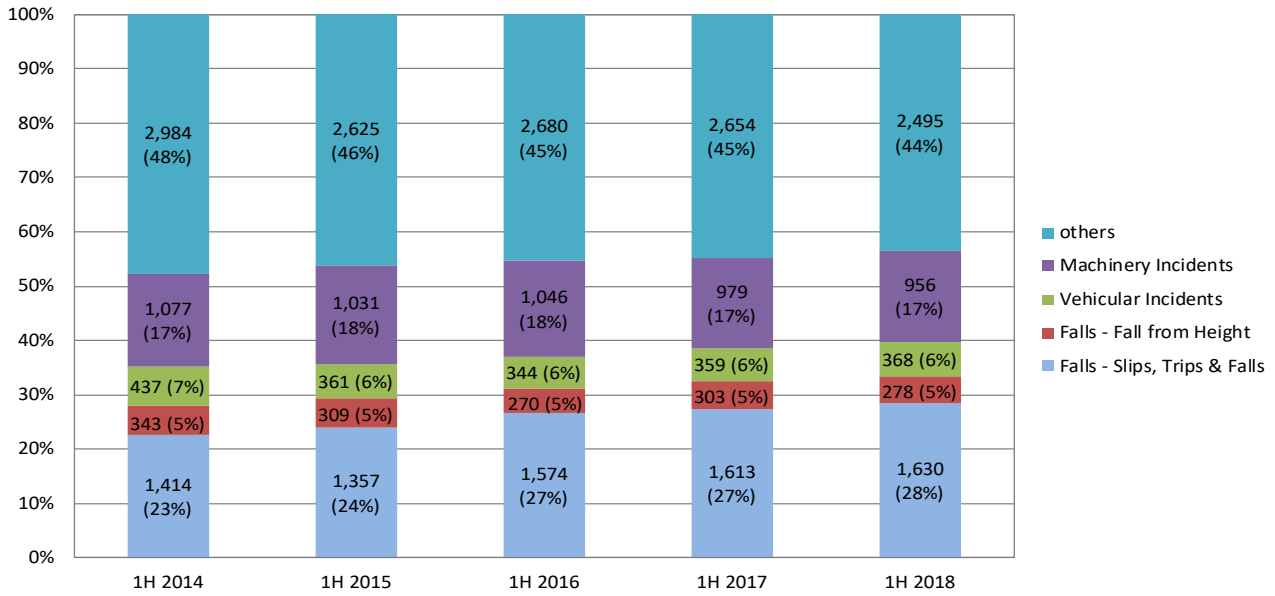


Figure 12: Proportion of workplace minor Injuries by cause of injury, 2014-2018

DANGEROUS OCCURRENCES

9 cases of dangerous occurrences (DO) were reported to MOM in 1H 2018, 55% less than the 20 cases reported in 1H 2017 (Figure 14). Amongst the DO cases, 6 were due to Collapse/Failure of Structures & Equipment while the remaining 3 were due to Fires and Explosion (Table 1.18).

DANGEROUS OCCURRENCES BY SECTOR

The Construction sector remained the top contributor for the DO cases, accounting for 56% of total DO cases while the Manufacturing and Marine sectors each contributed 11% of total DO cases reported in 1H 2018 (Table 1.17).

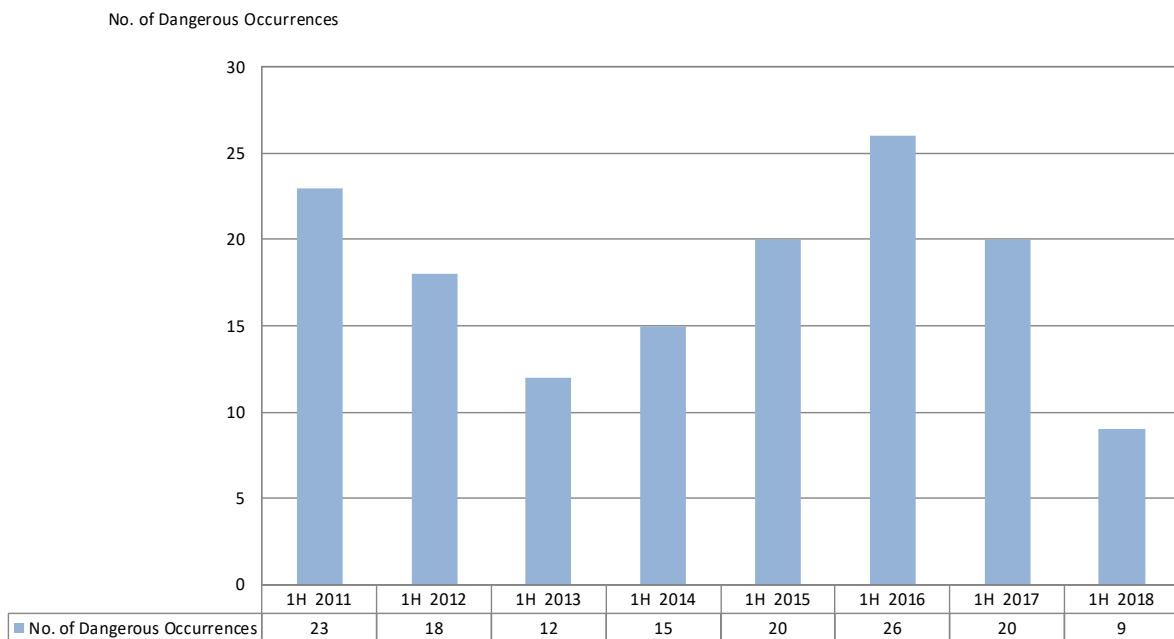


Figure 13: Number of dangerous occurrences, 2011-2018

ACCIDENT FREQUENCY RATE

The accident frequency rate (AFR), which measures how often work incidents occur, was 1.5 incidents per million man-hours worked in 1H 2018. This was similar to the AFR in 1H 2017.

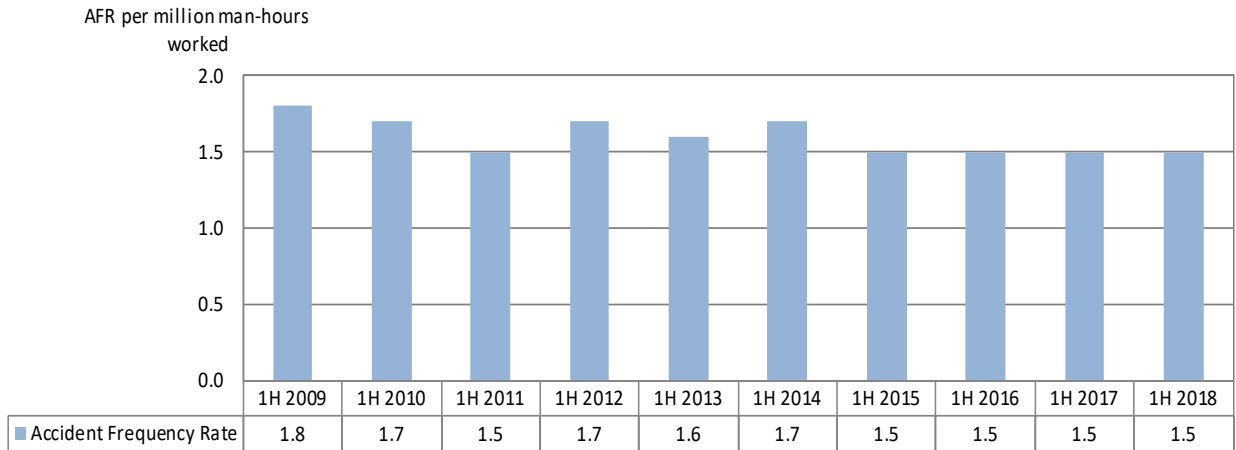


Figure 14: Accident frequency rate, 2009-2018

ACCIDENT SEVERITY RATE

In 1H 2018, a total of 244,791 man-days were lost due to workplace injuries. It decreased by 11% in comparison to 1H 2017. The accident severity rate (ASR) was 61 man-days lost for every million hours worked in 1H 2018.

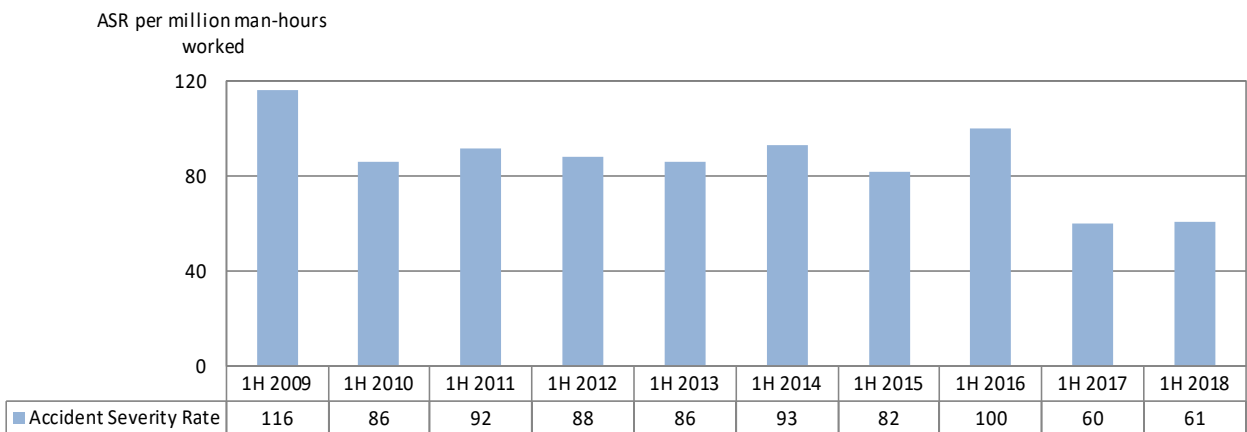


Figure 15: Accident severity rate, 2009-2018

OCCUPATIONAL DISEASES

294 Occupational Diseases (OD)⁹ were confirmed in 1H 2018, a reduction of 38% compared against 471 OD cases in 1H 2017. The OD incidence rate had also decreased to 8.7 confirmed cases per 100,000 employed persons from 13.8 confirmed cases per 100,000 employed persons in 1H 2017. Work-Related Musculoskeletal Disorders (WRMSD) overtook Noise-Induced Deafness as the leading OD in 1H 2018.

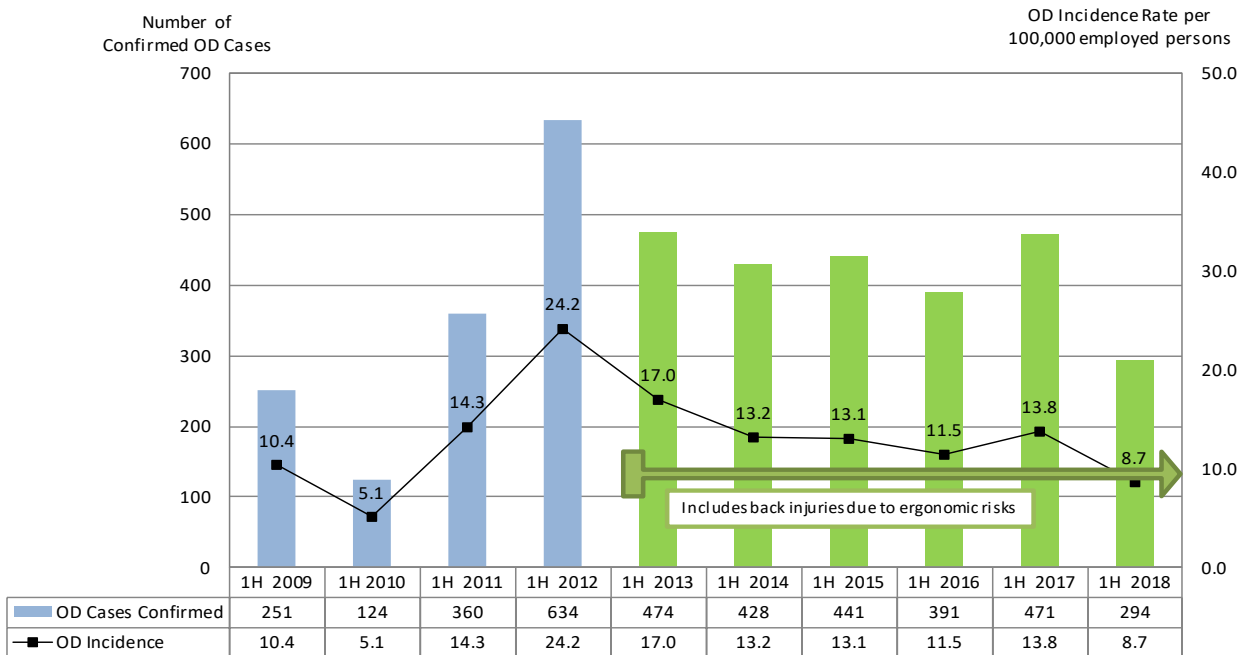


Figure 16: Occupational disease incidence rate, 2009-2018

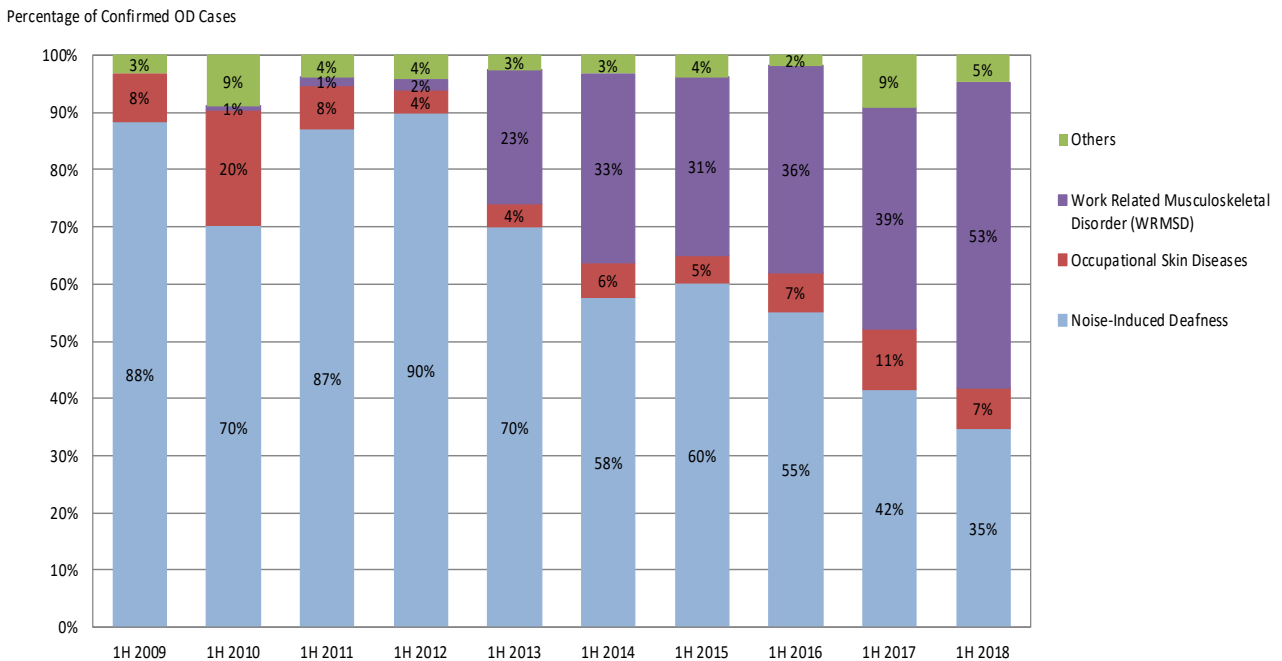


Figure 17: Proportion of occupational disease by type, 2009-2018

⁹An occupational disease is a disease contracted as a result of exposure to risk factors arising from work.

WORK-RELATED MUSCULOSKELETAL DISORDERS (WRMSD)

WRMSD cases reduced from 182 cases in 1H 2017 to 157 cases in 1H 2018.

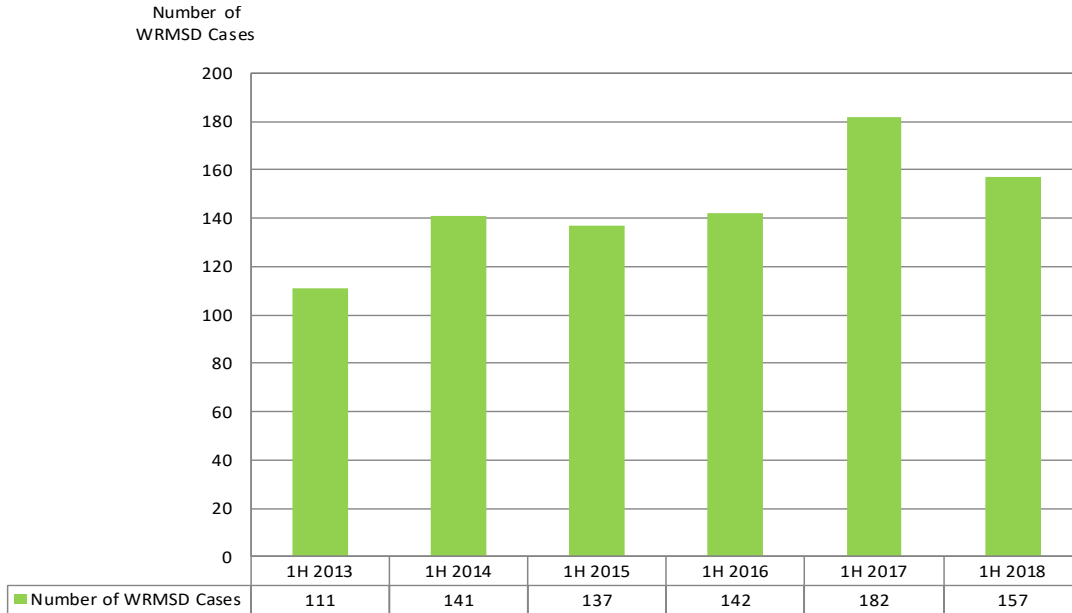


Figure 18: Number of work-related musculoskeletal disorders, 2013-2018

NOISE-INDUCED DEAFNESS (NID)

NID cases decreased by 48% from 196 cases in 1H 2017 to 102 cases in 1H 2018.

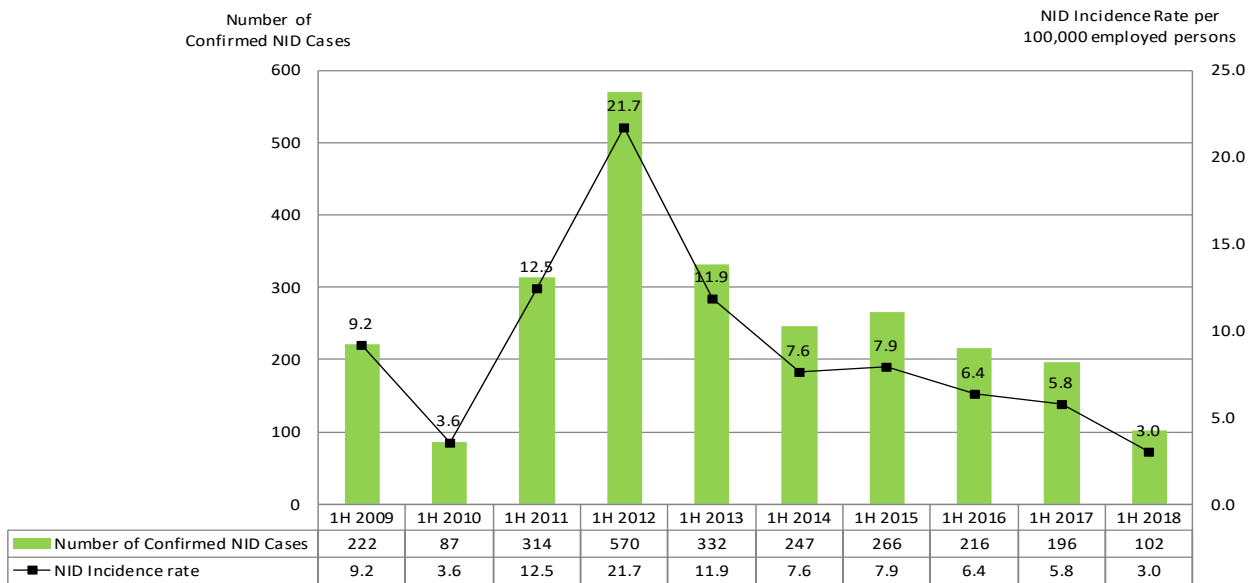


Figure 19: Noise-induced deafness incidence rate, 2009-2018

OCCUPATIONAL SKIN DISEASES (OSD)

There were 21 OSD cases confirmed in 1H 2018. In comparison, there was a reduction of 58% from 50 OSD cases confirmed in 1H 2017 (Table 1.25).

OTHER OCCUPATIONAL DISEASES

3 cases of barotrauma were confirmed in 1H 2018 as compared to 7 cases in 1H 2017. Compressed Air Illness cases had also decreased from 10 cases in 1H 2017 to 1 case in 1H 2018.

In general, other types of OD cases had seen a reduction in occurrence with the exception of Occupational Lung Disease with an increase of 2 cases to 4 cases in 1H 2018.

ANNEX A

STATISTICAL TABLES

Table 1.3: Number of workplace fatal injuries by sector, 2017 and 2018

Sector	As at end of June		2017
	2018 ^P	2017	
All Sectors	20	19	42
Construction	8	2	12
Marine	1	1	2
Manufacturing	4	5	7
<i>Manufacture of Computer, Electronic and Optical Products</i>	0	1	1
<i>Manufacture of Furniture</i>	0	1	1
<i>Manufacture of Rubber and Plastic Products</i>	0	1	1
<i>Manufacture of Wood Products</i>	0	1	1
<i>Metalworking</i>	2	1	1
<i>Manufacture of Food Products</i>	1	0	2
<i>Manufacture of Non-metallic Mineral Products</i>	1	0	0
Fishing, Operation of Fish Hatcheries and Fish Farms	0	1	1
Water Supply, Sewerage & Waste Management and Remediation Activities	1	2	2
Wholesale & Retail Trade	2	1	3
<i>Wholesale Trade</i>	2	1	3
Transportation & Storage	1	3	7
<i>Logistics & Transport</i> ¹⁰	1	2	6
Food & Beverage Service Activities	0	1	1
Real Estate Services	1	1	1
Security & Investigation Activities	0	1	1
Other Amusement and Recreation Activities	0	1	1
Cleaning & Landscape Maintenance Activities	1	0	2
Electricity, Gas and Air-Conditioning Supply	1	0	0
Activities not Adequately Defined	0	0	1

¹⁰ The logistics & transport sector includes the following activities:

- Warehousing and Storage
- Supporting services to land transport (exclude car management services, taxi booking services, towing services)
- Supporting services to water transport (exclude marine surveying services, salvaging distressed vessels & cargo)
- Supporting services to air transport
- Freight land transport (With effect from 2016. As such, workplace injury rates are not strictly comparable with the previous years.)

Table 1.4: Workplace fatal injury rates by sector, 2017 and 2018

Per 100,000 employed persons

Sector	As at end of June		2017
	2018 ^P	2017	
All Sectors	0.6	0.6	1.2
Construction	1.8	0.4	2.6
Marine	1.4	1.2	2.7
Manufacturing	1.0	1.2	1.7
<i>Manufacture of Computer, Electronic and Optical Products</i>	0.0	1.2	1.1
<i>Manufacture of Furniture</i>	0.0	8.6	8.8
<i>Manufacture of Rubber and Plastic Products</i>	0.0	8.3	8.5
<i>Manufacture of Wood Products</i>	0.0	25.0	24.4
<i>Metalworking</i>	1.9	0.9	0.9
<i>Manufacture of Food Products</i>	2.2	0.0	4.4
<i>Manufacture or Other Non-Metallic Mineral Products</i>	23.3	0.0	0.0
Fishing, Operation of Fish Hatcheries and Fish Farms	n.a.	n.a.	n.a.
Water Supply, Sewerage & Waste Management and Remediation Activities	6.1	12.0	12.2
Wholesale & Retail Trade	0.4	0.2	0.6
<i>Wholesale Trade</i>	0.6	0.3	0.9
Transportation & Storage	0.4	1.2	2.9
<i>Logistics & Transport</i>	1.0	2.0	5.9
Food & Beverage Service Activities	0.0	0.5	0.5
Real Estate Services	1.1	1.1	1.1
Security & Investigation Activities	0.0	2.3	2.1
Other Amusement and Recreation Activities	n.a.	n.a.	n.a.
Cleaning & Landscape Maintenance Activities	1.5	0.0	3.0
Electricity, Gas and Air-Conditioning Supply	20.0	0.0	0.0
Activities not Adequately Defined	n.a.	n.a.	n.a.

Table 1.5: Number of workplace fatal injuries by incident type and incident agent, 2017 and 2018

Incident Type	Incident Agent	As at end of June		2017
		2018 ^p	2017	
Total Workplace Fatal Injuries		20	19	42
Falls	Total	7	4	12
Falls from Heights	Total	4	2	8
	Means of Access - Ladders	0	1	1
	Lifting Equipment - Mobile Work Platform	0	1	1
	Physical Workplace - Structures	3	0	4
	Physical Workplace - Roofs	0	0	1
	Physical Workplace - Formwork	1	0	1
Slips, Trips & Falls	Total	3	2	4
	Means of Access - Stairs or Steps	0	1	1
	Vehicles - Transport Equipment (e.g. lorry, prime mover, bus, train)	1	1	2
	Physical Workplace - Floor/Level Surfaces	1	0	1
	Means of Access - Others	1	0	0
Struck by Moving Objects	Total	1	7	14
	Vehicles - Transport Equipment (e.g. lorry, prime mover, bus, train)	0	2	5
	Lifting Equipment - Cranes	0	0	1
	Material & Substances - Metal Items	1	0	0
	Work-Related Traffic	0	4	7
	Other Incident Agent	0	1	1
Caught in/ between Objects	Total	6	1	5
	Vehicles - Transport Equipment (e.g. lorry, prime mover, bus, train)	3	1	2
	Vehicles - Forklift	1	0	0
	Industrial Machines	1	0	1
	Lifting Equipment - Lift & Hoist	1	0	1
Physical Workplace - Structures	0	0	1	
Collapse of Formwork/ Failure of its Supports	Total	1	1	3
	Physical Workplace - Structures	1	0	0
	Physical Workplace - Formwork	0	1	3
Drowning	Total	2	1	1
Fires & Explosion	Total	0	2	2
	Explosives/ Flammable Substances	0	1	1
	Other Incident Agents	0	1	1

(continued) Table 1.5: Number of workplace fatal injuries by incident type and incident agent, 2017 and 2018

Incident Type	Incident Agent	As at end of June		2017
		2018 ^p	2017	
Total Workplace Fatal Injuries		20	19	42
Struck by Falling Objects From Heights	Total	1	1	2
	Vehicles - Forklift	0	1	1
	Other Incident Agents	1	0	0
	Wooden Items	0	0	1
Electrocution	Total	0	0	1
	Electrical Equipment	0	0	1
Exposure to/contact with Extreme Temperatures	Total	0	1	1
	Pressurised Equipment - Boilers	0	1	1
Exposure to/contact with Hazardous Substances	Total	1	1	1
	Corrosives	0	1	1
	Dust, Gas, Liquid/Chemicals	1	0	0
Other Incident Types	Total	1	0	0
	Other Incident Agents	1	0	0

Table 1.7: Number of workplace major injuries by sector, 2017 and 2018

Sector	As at end of June		2017
	2018 ^P	2017	
All Sectors	285	284	574
Construction	64	51	110
Marine	6	12	22
Manufacturing	51	65	124
<i>Metalworking</i>	12	25	46
<i>Manufacture of Food, Beverages & Tobacco</i>	11	12	32
<i>Manufacture of Other Non-Metallic Mineral Products</i>	1	7	8
Water Supply, Sewerage & Waste Management and Remediation Activities	3	4	9
Wholesale & Retail Trade	14	19	35
<i>Wholesale Trade</i>	8	12	22
<i>Retail Trade</i>	6	7	13
Transportation & Storage	21	27	60
<i>Logistics & Transport</i>	15	23	42
Accommodation & Food Service Activities	15	26	41
<i>Accommodation</i>	4	5	6
<i>Food & Beverage Service Activities</i>	11	21	35
Financial & Insurance Activities	8	3	4
Real Estate Services	7	3	7
Professional, Scientific & Technical Activities	6	4	8
Administrative & Support Service Activities	11	9	21
Community, Social & Personal Services	30	10	33
<i>Education</i>	8	3	7
<i>Other Personal Service Activities</i>	3	3	7
<i>Repair & Maintenance of Vehicles</i>	7	2	5
<i>Health Activities</i>	5	1	7

Table 1.8: Workplace major injury rates by sector, 2017 and 2018

Per 100,000 employed persons

Sector	As at end of June		2017
	2018 ^P	2017	
All Sectors	8.4	8.3	16.9
Construction	14.2	10.4	24.2
Marine	8.3	14.0	29.6
Manufacturing	12.3	15.7	29.9
<i>Metalworking</i>	11.1	22.7	42.6
<i>Manufacture of Food, Beverages & Tobacco</i>	22.5	25.9	66.3
<i>Manufacture of Other Non-Metallic Mineral Products</i>	23.3	155.6	186.0
Water Supply, Sewerage & Waste Management and Remediation Activities	18.2	24.0	54.9
Wholesale & Retail Trade	2.9	3.9	7.2
<i>Wholesale Trade</i>	2.5	3.7	6.8
<i>Retail Trade</i>	3.6	4.2	8.0
Transportation & Storage	8.5	11.2	24.4
<i>Logistics & Transport</i>	14.8	23.0	41.5
Accommodation & Food Service Activities	6.0	10.5	16.5
<i>Accommodation</i>	11.6	14.7	17.3
<i>Food & Beverage Service Activities</i>	5.1	9.9	16.3
Financial & Insurance Activities	3.8	1.5	1.9
Real Estate Services	7.6	3.3	7.6
Professional, Scientific & Technical Activities	2.5	1.6	3.4
Administrative & Support Service Activities	6.0	4.1	9.1
Community, Social & Personal Services	3.7	1.3	4.1
<i>Education</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
<i>Other Personal Service Activities</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
<i>Repair & Maintenance of Vehicles</i>	50.0	14.5	36.0
<i>Health Activities</i>	4.8	1.0	6.7
<i>Public Administration and Defence</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

Table 1.9: Types of workplace major injury, 2017 and 2018

Workplace Major Injury Types	As at end of June		2017
	2018 ^P	2017	
Total	285	284	574
Crushing, Fractures and Dislocations	183	152	317
Amputations	51	64	125
Hypothermia/Burns, with more than 20 MC days	20	40	63
Multiple Injuries	21	14	33
Exposure to/ Contact with Electric Current	2	5	19
Concussion, with more than 20 MC days	6	7	14
Paralysis	0	1	2
Sprains & Strains	0	1	
Blindness	2	0	1

Table 1.10: Number of workplace major injuries by key incident type and key incident agent, 2017 and 2018

Incident Type	Incident Agent	As at end of June		2017
		2018 ^p	2017	
Total Workplace Major Injuries		285	284	574
Falls	Total	142	112	240
Slips, Trips & Falls	Total	109	77	177
	Physical Workplace - Floor/Level Surfaces	40	31	75
Falls from Heights	Vehicles	19	16	28
	Means of Access - Stairs or Steps	20	10	18
	Total	33	35	63
	Means of Access - Ladders	23	23	39
	Physical Workplace - Structures	1	3	9
	Physical Workplace - Roof	3	1	4
	Means of Access - Scaffold	2	2	3
Caught in/ between Objects	Total	23	35	60
	Industrial Machines	10	11	21
	Vehicles	4	5	7
	Metal Items (excluding knives/needles)	3	4	8
Exposure to/ Contact with Extreme Temperatures	Total	12	24	41
	Hot scalding liquid/Steam	11	21	32
	Industrial Machines	0	2	4
	Industrial Hand Tools	0	1	2
Struck by Moving Objects	Total	37	31	40
	Vehicles	8	8	15
	Industrial Hand Tools	3	3	7
	Work-Related Traffic	12	9	19
Cut/Stabbed by Objects	Total	17	21	40
	Industrial Machines	14	16	27
	Industrial Hand Tools	2	4	11
	Knives and Needles	1	1	2
Struck by Falling Objects	Total	26	19	44
	Metal Items (excluding knives/needles)	8	7	13
	Goods/Cargo	2	3	8
	Industrial Machines	2	2	4
Crane-related¹¹	Total	1	4	5
	Lifting Equipment - Mobile / Crawler Cranes	1	1	1
	Lifting Equipment - Overhead Cranes	0	3	4

Note:

From 2018 onwards, Work-Related Traffic Accident will be categorised under Struck by moving objects.

¹¹Crane-related incidents includes Collapse of Structure/ Equipment, Struck by Falling Object, Struck by Moving Objects and Caught In/Between Objects where the agent(s) is a Mobile/Crawler, Tower or Overhead Crane.

Table 1.11: Top 3 incident types for workplace major injuries by sector, 2018

Sector	Top 3 Incident Types		
	1st	2nd	3rd
All Sectors	STF	SBMO	FFH
Construction	STF	FFH	SBMO
Marine	STF, SBFO	FFH, CIBO	-
Manufacturing	STF	CIBO	CSBO
<i>Metalworking</i>	<i>STF</i>	<i>SBFO, CIBO, CSBO</i>	<i>SAO, ETEC, ETET</i>
<i>Manufacture of Food, Beverages & Tobacco</i>	<i>STF</i>	<i>CIBO, SBMO</i>	<i>CSBO, ETET, FFH, SBFO</i>
<i>Manufacture of Other Non-Metallic Mineral Products</i>	<i>STF</i>	-	-
Water Supply, Sewerage & Waste Management and Remediation Activities	STF, CIBO, CSBO	-	-
Wholesale & Retail Trade	STF	CIBO	SBMO, ETEC
<i>Wholesale Trade</i>	<i>ETEC, FFH, STF, SBMO</i>	-	-
<i>Retail Trade</i>	<i>STF</i>	<i>FFH</i>	-
Transportation & Storage	SBMO	CIBO, STF, SBFO, OTH	-
<i>Logistics & Transport</i>	SBMO	CIBO, STF, SBFO, OTH	-
Accommodation & Food Service Activities	STF, ETET	CSBO, SBFO, FE, OESM	-
<i>Accommodation</i>	<i>CSBO, ETET, STF, SBFO</i>	-	-
<i>Food & Beverage Service Activities</i>	<i>ETET, FE, OESM, STF</i>	-	-
Financial & Insurance Activities	STF	CIBO, ETET, SAO	-
Real Estate Services	STF	ETET	FFH, SBFO
Professional, Scientific & Technical Activities	CSBO	STF, CIBO, SBFO	-
Administrative & Support Service Activities	STF	SBMO	FFH, OESM
Community, Social & Personal Services	STF	SBMO, CIBO, OESM	ETEC, ETET, FFH, FE, OESM, SBFO, OTH
<i>Education</i>	<i>STF</i>	<i>SBMO, OTH</i>	-
<i>Health Activities</i>	<i>STF</i>	<i>FE, OESM</i>	-

Legend:

CIBO	Caught In/Between Objects	FE	Fires & Explosion	SBMO	Struck by Moving Objects
CSBO	Cut/Stabbed by Objects	FFH	Falls (Falls from Heights)	STF	Falls (Slips, Trips and Falls)
ETEC	Exposure to/ Contact with Electric Current	OESM	Over-exertion and Strenuous Movements		
ETET	Exposure to/ Contact with Extreme Temperature	OTH	Other Incident Types		
ETHS	Exposure to/ Contact with Hazardous Substances	PA	Physical Assault		
		SAO	Strike Against Objects		
		SBFO	Struck by Falling Objects		

Table 1.12: Number of workplace minor injuries by sector, 2017 and 2018

Sector	As at end of June		2017
	2018 ^p	2017	
All Sectors	5,727	5,908	11,882
Construction	747	916	1,774
Marine	113	163	271
Manufacturing	1,123	1,189	2,413
<i>Metalworking</i>	475	507	995
<i>Manufacture of Food, Beverages & Tobacco</i>	214	195	432
<i>Manufacture of Computer, Electronic and Optical Products</i>	67	91	183
Water Supply, Sewerage & Waste Management and Remediation Activities	54	55	118
Wholesale & Retail Trade	320	279	580
<i>Wholesale Trade</i>	148	159	308
<i>Retail Trade</i>	172	120	272
Transportation & Storage	454	505	1,025
<i>Logistics & Transport</i>	326	324	690
Accommodation & Food Service Activities	551	544	1,118
<i>Accommodation</i>	108	129	271
<i>Food & Beverage Service Activities</i>	443	415	847
Information & Communications ¹²	15	23	58
Financial & Insurance Activities	75	55	139
Real Estate Services	170	191	404
Professional, Scientific & Technical Activities	208	183	372
<i>Architectural & Engineering Activities</i>	91	76	152
<i>Legal, Accounting & Management Activities</i>	90	72	157
Administrative & Support Service Activities	245	234	490
<i>Office Administrative, Office Support & Other Business Support Activities</i>	76	104	195
<i>Security and Investigation Activities</i>	71	62	131
<i>Cleaning & Landscape Maintenance Activities</i>	84	54	131
Community, Social & Personal Services	638	644	1,252
<i>Health Activities</i>	236	222	427
<i>Education</i>	123	127	237
<i>Other Personal Service Activities</i>	73	80	145

¹² Information and Communication includes publishing activities, motion picture, video and television programme production, sound recording & music publishing activities, radio & television broadcasting activities, telecommunications.

Table 1.13: Workplace minor injury rates by sector, 2017 and 2018

Per 100,000 employed persons

Sector	As at end of June		2017
	2018 ^P	2017	
All Sectors	169	173	351
Construction	166	188	390
Marine	157	109	364
Manufacturing	270	288	582
<i>Metalworking</i>	440	461	922
<i>Manufacture of Food, Beverages & Tobacco</i>	438	421	894
<i>Manufacture of Computer, Electronic and Optical Products</i>	73	108	203
Water Supply, Sewerage & Waste Management and Remediation Activities	327	329	720
Wholesale & Retail Trade	66	57	120
<i>Wholesale Trade</i>	46	49	96
<i>Retail Trade</i>	104	72	168
Transportation & Storage	183	209	417
<i>Logistics & Transport</i>	321	323	682
Accommodation & Food Service Activities	219	221	449
<i>Accommodation</i>	314	378	781
<i>Food & Beverage Service Activities</i>	204	195	395
Information & Communications	11	18	44
Financial & Insurance Activities	36	27	66
Real Estate Services	184	210	438
Professional, Scientific & Technical Activities	87	74	156
<i>Architectural & Engineering Activities</i>	155	125	258
<i>Legal, Accounting & Management Activities</i>	74	55	130
Administrative & Support Service Activities	106	108	213
<i>Office Administrative, Office Support & Other Business Support Activities</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
<i>Security and Investigation Activities</i>	152	141	281
<i>Cleaning & Landscape Maintenance Activities</i>	127	90	199
Community, Social & Personal Services	79	81	155
<i>Health Activities</i>	227	225	411
<i>Education</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
<i>Other Personal Service Activities</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>

Table 1.14: Number of workplace minor injuries by key incident type and key incident agent, 2017 and 2018

Incident Type	Incident Agent	As at end of June		2017
		2018 ^p	2017	
Total Workplace Minor Injuries		5,727	5,908	11,882
Falls	Total	1,890	1,916	3,885
Slips, Trips & Falls	Total	1,617	1,613	3,323
	Physical Workplace - Floor/Level Surfaces	815	730	1,509
	Means of Access - Stairs or Steps	241	229	475
Falls from Heights	Vehicles	131	146	298
	Total	273	303	562
	Means of Access - Ladders	200	209	386
	Means of Access - Scaffold	27	29	61
Physical Workplace - Structures	19	19	32	
Struck by Moving Objects	Total	1,138	1,104	1,943
	Industrial Hand Tools	180	196	379
	Vehicles	186	165	348
	Metal Items (excluding Knives/ Needles)	164	165	310
	Work-related Traffic	139	132	257
Cut/Stabbed by Objects	Total	646	698	1,481
	Knives and Needles	240	258	535
	Industrial Machines	147	133	297
	Industrial Hand Tools	131	123	274
Struck by Falling Objects	Total	481	528	1,004
	Metal Items (excluding Knives/ Needles)	145	149	272
	Furniture and Fittings	75	79	142
	Goods/ Cargo	74	67	129
Caught in/ between Objects	Total	422	467	921
	Industrial Machines	136	146	271
	Metal Items (excluding Knives/ Needles)	93	68	140
	Vehicles	43	62	131
Over-exertion/ Strenuous Movements	Total	390	393	767
	Human Factors	194	150	287
	Goods/ Cargo	91	93	193
	Furniture and Fittings	32	13	49
Strike against Objects	Total	307	331	655
	Furniture & Fittings	87	102	185
	Metal Items (excluding Knives/ Needles)	86	64	138
	Industrial Machines	31	40	78
Exposure to/ Contact with Extreme Temperatures	Total	169	156	313
	Hot Scalding Liquid/ Steam	138	117	239
	Industrial Machines	9	13	25
	Pressurised Equipment	6	4	8

Table 1.15: Top 3 incident types for workplace minor injuries by sector, 2018

Sector	Top 3 Incident Types		
	1 st	2 nd	3 rd
All Sectors	STF	SBMO	CSBO
Construction	STF	SBMO	SBFO
Marine	SBMO	CIBO	STF
Manufacturing	SBMO	STF	CSBO
<i>Metalworking</i>	<i>SBMO</i>	<i>CIBO</i>	<i>SBFO</i>
<i>Manufacture of Food, Beverages & Tobacco</i>	<i>CSBO</i>	<i>STF</i>	<i>SBMO</i>
<i>Manufacture of Computer, Electronics and Optical Products</i>	<i>STF</i>	<i>SBMO</i>	<i>CIBO</i>
Water Supply, Sewerage & Waste Management and Remediation Activities	STF	SBMO	SBFO
Wholesale & Retail Trade	STF	SBMO, CSBO	OESM
<i>Wholesale Trade</i>	<i>STF</i>	<i>SBMO</i>	<i>OESM</i>
<i>Retail Trade</i>	<i>STF</i>	<i>CSBO</i>	<i>SBMO, OESM</i>
Transportation & Storage	STF	SBMO	CIBO
<i>Logistics & Transport</i>	<i>STF</i>	<i>SBMO</i>	<i>CIBO</i>
Accommodation & Food Service Activities	STF	CSBO	ETET
<i>Accommodation</i>	<i>STF</i>	<i>SBMO, SBFO</i>	<i>SAO</i>
<i>Food & Beverage Service Activities</i>	<i>CSBO</i>	<i>STF</i>	<i>ETET</i>
Information & Communications	STF	SBFO, SAO, OTH	-
Financial & Insurance Activities	STF	SBMO	ETET, OESM
Real Estate Services	STF	SBMO	OESM
Professional, Scientific & Technical Activities	STF	SBMO	CIBO
<i>Architectural & Engineering Activities</i>	<i>STF</i>	<i>SBMO</i>	<i>CIBO</i>
<i>Legal, Accounting & Management Activities</i>	<i>STF</i>	<i>OESM</i>	<i>SBMO</i>
Administrative & Support Service Activities	STF	SBMO	CSBO
<i>Office Administrative, Office Support & Other Business Support Activities</i>	<i>STF</i>	<i>SBMO</i>	<i>CSBO</i>
<i>Security and Investigation Activities</i>	<i>SBMO</i>	<i>STF</i>	<i>PA</i>
<i>Cleaning & Landscape Maintenance Activities</i>	<i>STF</i>	<i>SBMO</i>	<i>CSBO</i>
Community, Social & Personal Services	STF	OESM	SBMO
<i>Health Activities</i>	<i>STF</i>	<i>OESM</i>	<i>SBMO</i>
<i>Education</i>	<i>STF</i>	<i>SBMO</i>	<i>SAO</i>
<i>Other Personal Service Activities</i>	<i>STF</i>	<i>SBMO</i>	<i>ETET</i>

Legend:

CIBO	Caught In/Between Objects	FE	Fires & Explosion	SBMO	Struck by Moving Objects
CSBO	Cut/Stabbed by Objects	FFH	Falls (Falls from Heights)	STF	Falls (Slips, Trips and Falls)
ETEC	Exposure to/ Contact with Electric Current	OESM	Over-exertion and Strenuous Movements		
ETET	Exposure to/ Contact with Extreme Temperature	OTH	Other Incident Types		
ETHS	Exposure to/ Contact with Hazardous Substances	PA	Physical Assault		
		SAO	Strike Against Objects		
		SBFO	Struck by Falling Objects		

Table 1.16: Types of workplace minor injury, 2017 and 2018

Workplace Minor Injury Type	As at end of June		2017
	2018 ^P	2017	
Total	5,727	5,908	11,882
Cuts and Bruises	1,887	2,240	4,325
Crushing, Fractures and Dislocations	1,481	1,342	2,798
Sprains & Strains	808	1,049	1,974
Burns	199	195	369
Multiple Injuries	121	158	295
Puncture Wound	75	99	198
Bites and Stings	48	32	74
Concussion	43	31	64
Others	1065	762	1,785

Table 1.17: Dangerous occurrences by sector, 2017 and 2018

Sector	As at end of June		2017
	2018 ^P	2017	
All Sectors	9	20	35
Construction	5	7	16
Marine	1	0	0
Manufacturing	1	6	10
<i>Manufacture of Petrochemical Products</i>	1	4	7
<i>Manufacture of Computer, Electronic and Optical Products</i>	0	1	1
<i>Manufacture of Textile and Wearing Apparel</i>	0	1	1
<i>Manufacture of Food, Beverages & Tobacco</i>	0	0	1
Wholesale & Retail Trade	0	1	2
Transportation & Storage	0	3	3
<i>Logistics & Transport</i>	0	3	3
Accommodation & Food Service Activities	1	1	1
Real Estate Services	0	1	1
Public Administration and Defence	1	0	0
Activities of Membership Organisations	0	0	1
Repair & Maintenance of Vehicles	0	1	1

Table 1.18: Types of dangerous occurrences, 2017 and 2018

Incident Type	Incident Agent	As at end of June		2017
		2018 ^p	2017	
Total Dangerous Occurrences		9	20	35
Collapse/Failure of Structure & Equipment	Total	6	12	23
	Lifting Equipment - Cranes	5	8	13
	Lifting Equipment - Piling Machines	0	2	2
	Physical Workplace - Formwork	0	2	5
	Lifting Equipment - Mobile Work Platform	1	0	2
	Pressurised Equipment			1
Fires & Explosion	Total	3	8	12
	Explosives/ Flammable Substances	0	4	4
	Electrical Installation	0	1	1
	Dust, Gas, Liquid and Chemicals	1	0	1
	Pressurised Equipment	0	0	2
	Vehicles	0	0	1
	Other Incident Agents	2	3	3

Table 1.19: Number of confirmed occupational disease cases by sector, 2017 and 2018

Sector	As at end of June		2017
	2018 ^P	2017	
All Sectors	294	471	799
Construction	30	73	123
Marine	28	26	49
Manufacturing	75	185	294
<i>Metalworking</i>	39	54	104
<i>Manufacture of Other Transport Equipment</i>	5	47	57
<i>Other Manufacturing Industries</i>	5	41	46
Water Supply, Sewerage & Waste Management and Remediation Activities	0	1	1
Wholesale & Retail Trade	15	10	27
Transportation & Storage	32	53	85
<i>Logistics & Transport</i>	29	23	39
Accommodation & Food Service Activities	22	31	46
<i>Accommodation</i>	9	21	28
<i>Food & Beverage Service Activities</i>	13	10	18
Information & Communications	3	0	1
Financial & Insurance Activities	2	5	11
Real Estate Services	8	8	13
Professional, Scientific & Technical Activities	6	11	19
<i>Architectural & Engineering Activities</i>	1	5	9
Administrative & Support Service Activities	7	5	11
Community, Social & Personal Services	45	30	71
<i>Health Activities</i>	26	17	37
<i>Other Personal Service Activities</i>	6	0	12
<i>Education</i>	2	3	8
<i>Repair & Maintenance of Vehicles</i>	2	3	7

Table 1.20: Occupational disease incidence rates by sector, 2017 and 2018

Per 100,000 employed persons

Sector	As at end of June		2017
	2018 ^P	2017	
All Sectors	8.7	13.8	23.6
Construction	6.7	14.9	27.0
Marine	38.8	30.4	65.9
Manufacturing	18.0	44.8	70.9
<i>Metalworking</i>	36.1	49.1	96.4
<i>Manufacture of Other Transport Equipment</i>	18.1	172.8	235.5
<i>Other Manufacturing Industries</i>	21.4	182.2	194.9
Water Supply, Sewerage & Waste Management and Remediation Activities	0.0	6.0	6.1
Wholesale & Retail Trade	3.1	2.0	5.6
Transportation & Storage	12.9	22.0	34.6
<i>Logistics & Transport</i>	28.6	23.0	38.5
Accommodation & Food Service Activities	8.8	12.6	18.5
<i>Accommodation</i>	26.2	61.6	80.7
<i>Food & Beverage Service Activities</i>	6.0	4.7	8.4
Information & Communications	2.3	0.0	0.8
Financial & Insurance Activities	1.0	2.4	5.2
Real Estate Services	8.7	8.8	14.1
Professional, Scientific & Technical Activities	2.5	4.4	8.0
<i>Architectural & Engineering Activities</i>	1.7	8.2	15.3
Administrative & Support Service Activities	3.0	2.3	4.8
Community, Social & Personal Services	5.5	3.8	8.8
<i>Health Activities</i>	25.0	17.2	35.6
<i>Other Personal Service Activities</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
<i>Education</i>	<i>n.a.</i>	<i>n.a.</i>	<i>n.a.</i>
<i>Repair & Maintenance of Vehicles</i>	14.3	21.7	50.4

Table 1.21: Number of confirmed occupational diseases by type, 2017 and 2018

Occupational Disease Types	As at end of June		2017
	2018 ^P	2017	
Total	294	471	1799
Noise Induced Deafness	102	196	329
<i>NID (E) - Early</i>	90	181	303
<i>NID (A) - Advanced</i>	12	15	26
Work-related Musculoskeletal Disorders	157	182	337
<i>Back injuries due to ergonomic risks</i>	139	167	314
<i>Tendinitis</i>	6	8	12
<i>Lateral Epicondylitis (Tennis Elbow)</i>	2	3	4
<i>Nerve Disorder such as Carpal Tunnel Syndrome, Cubital Tunnel Syndrome</i>	3	2	3
<i>Musculoskeletal Disorder of the Back</i>	2	1	1
<i>Tenosynovitis</i>	0	0	1
<i>Trigger Finger/Thumb</i>	3	0	1
<i>Others</i>	2	1	1
Occupational Skin Disease	21	50	78
<i>Eczema</i>	20	49	77
<i>Others</i>	1	1	1
Chemical Poisoning	0	18	18
<i>Carbon Monoxide</i>	0	18	18
Compressed Air Illness	1	10	15
<i>CAI Type 1</i>	1	9	13
<i>CAI Type 2</i>	0	1	2
Barotrauma	3	7	10
<i>Aural</i>	1	5	8
<i>Sinus</i>	1	2	2
<i>Pulmonary</i>	1	0	0
Cancers	3	3	6
<i>Mesothelioma¹³</i>	3	3	6
Occupational Lung Disease	4	2	3
<i>Tuberculosis (pulmonary)</i>	2	2	2
<i>Silicosis</i>	1	0	1
<i>Occupational Asthma</i>	1	0	0
Excessive Absorption of Chemicals	0	1	1
<i>Trichloroethylene (TCE)</i>	0	1	1
Heat Disorder	1	1	1
Others	2	1	1

¹³ Mesothelioma is a cancer involving the lining of the internal organs.

Table 1.22: Number of confirmed NID cases by sector, 2017 and 2018

Sector	As at end of June		2017
	2018 ^p	2017	
All Sectors	102	196	329
Construction	16	38	60
Marine	27	26	44
Manufacturing	44	117	191
<i>Manufacture of Other Transport Equipment</i>	3	45	53
<i>Metalworking</i>	28	39	79
<i>Manufacture of Paper, Rubber, Plastic Products and Printing</i>	6	2	20
Electricity, Gas & Air Conditioning Supply	0	1	4
Wholesale & Retail Trade	2	3	4
Transportation & Storage	7	7	14
<i>Logistics & Transport</i>	7	6	10
Financial & Insurance Activities	0	1	4
Professional, Scientific & Technical Activities	1	2	4
<i>Architectural & Engineering Activities</i>	1	2	4
Administrative & Support Service Activities	3	1	1
Community, Social & Personal Services	2	0	3
<i>Repair & Maintenance of Vehicles</i>	2	0	3

Table 1.23: Number of confirmed WRMSD cases by sector, 2017 and 2018

Sector	As at end of June		2017
	2018 ^p	2017	
All Sectors	157	182	337
Construction	10	15	33
Marine	0	0	2
Manufacturing	24	26	53
<i>Metalworking</i>	10	9	17
<i>Manufacture of Food, Beverages & Tobacco</i>	6	5	10
<i>Manufacture of Computer, Electronic and Optical Products</i>	0	4	9
Water Supply, Sewerage & Waste Management and Remediation Activities	0	1	1
Wholesale & Retail Trade	11	6	18
<i>Wholesale Trade</i>	8	3	8
<i>Retail Trade</i>	3	3	10
Transportation & Storage	24	43	68
<i>Air Transport</i>	2	27	36
<i>Logistics & Transport</i>	21	14	26
Accommodation & Food Service Activities	20	13	25
<i>Accommodation</i>	8	3	9
<i>Food & Beverage Service Activities</i>	12	10	16
Information & Communications	3	0	1
Financial & Insurance Activities	1	4	7
Real Estate Services	7	7	12
Professional, Scientific & Technical Activities	5	7	11
<i>Architectural & Engineering Activities</i>	0	3	5
<i>Legal, Accounting & Management Activities</i>	5	4	4
Administrative & Support Service Activities	3	4	8
Community, Social & Personal Services	30	26	56
<i>Health Activities</i>	18	14	29
<i>Other Personal Service Activities</i>	3	4	9
<i>Education</i>	2	3	8

Table 1.24: Number of confirmed OSD cases by sector, 2017 and 2018

Sector	As at end of June		2017
	2018 ^P	2017	
All Sectors	21	50	78
Construction	1	3	5
Marine	0	0	2
Manufacturing	4	40	47
<i>Other Manufacturing Industries</i>	0	32	33
<i>Metalworking</i>	1	5	7
<i>Manufacture of Other Transport Equipment</i>	1	2	3
<i>Manufacture of Pharmaceutical & Biological Products</i>	2	0	0
Wholesale & Retail Trade	2	1	5
Accommodation & Food Service Activities	2	0	3
Financial & Insurance Services	1	0	0
Real Estate Services	1	1	1
Professional, Scientific & Technical Activities	0	1	2
Administrative & Support Service Activities	0	0	1
Community, Social & Personal Services	10	4	12
<i>Health Activities</i>	8	3	8
<i>Other Personal Service Activities</i>	1	0	3
<i>Activities of Membership Organisations</i>	1	0	0

Table 1.25: Top Causative Agents of Occupational Skin Diseases, 2018

Causative Agents	No. of Cases
Wetwork and Occlusion	13
Oils	2
Coolant	1
Epoxy Resin	1
Thermal	1
Others	3

Table 1.27: Number of man-days lost to workplace incidents¹⁴ in selected sectors, 2017 and 2018

Sector	As at end of June		2017
	2018 ^P	2017	
All Sectors	244,791	269,323	544,687
Construction	70,908	39,818	125,122
Marine	8,720	9,895	18,574
Manufacturing	48,020	67,579	107,375
<i>Metalworking</i>	21,167	20,228	31,284
<i>Manufacture of Food, Beverages & Tobacco</i>	10,320	5,606	23,347
<i>Manufacture of Computer, Electronics and Optical Products</i>	1,173	8,449	10,231
Water Supply, Sewerage & Waste Management and Remediation Activities	7,072	13,476	14,839
Wholesale & Retail Trade	17,577	12,623	31,966
<i>Wholesale Trade</i>	14,478	9,567	25,919
<i>Retail Trade</i>	3,099	3,056	6,047
Transportation & Storage	15,515	35,648	73,603
<i>Logistics & Transport</i>	12,840	31,161	59,043
Accommodation & Food Services	8,601	14,472	23,198
<i>Accommodation</i>	1,884	2,020	4,629
<i>Food & Beverage Service Activities</i>	6,717	12,452	18,569
Information & Communications	317	409	1,287
Financial & Insurance Activities	1,844	1,332	2,878
Real Estate Services	9,034	9,261	12,488
Professional, Scientific & Technical Activities	3,948	3,602	12,705
<i>Legal, Accounting & Management Activities</i>	1,432	1,465	2,798
<i>Architectural & Engineering Activities</i>	1,763	1,457	2,823
Administrative & Support Service Activities	10,532	11,232	30,990
<i>Security and Investigation Activities</i>	942	7,519	8,789
<i>Cleaning & Landscape Maintenance Activities</i>	7,728	889	17,008
Community, Social & Personal Services	14,321	19,373	30,452
<i>Health Activities</i>	5,111	4,937	8,446
<i>Education</i>	2,359	2,897	5,136

¹⁴ According to the U.S National Institute of Occupational Safety and Health (NIOSH)'s table of scheduled charges, a fatal injury is equivalent to the loss of 6,000 man-days. The Ministry of Manpower adopts a similar coding schedule.

ANNEX B

SOURCE OF DATA

Data on workplace and work-related traffic injuries, dangerous occurrences and occupational diseases were collated from incident reports made by employers, occupiers and medical practitioners in fulfilment of their obligations under the Workplace Safety and Health Act and Workplace Safety and Health (Incident Reporting) Regulations.

Employment data used in the computation of workplace fatal, injury and occupational disease incidence rates and data of the average weekly hours worked used in the estimation of man-hours worked were extracted from records within the Ministry of Manpower.

ANNEX C

DATA COVERAGE

The types of workplace and work-related traffic injuries and occupational diseases covered in the reported statistics include the following:

- Workplace and work-related traffic injuries sustained by employees and resulting in more than three days of medical leave, regardless of whether these were consecutive days;
- Workplace and work-related traffic injuries sustained by employees and resulting in at least 24 hours of hospitalisation;
- Workplace and work-related traffic incidents resulting in the death of employees and self-employed persons;
- Workplace and work-related traffic incidents resulting in the injury of self-employed persons who have to be taken to the hospital for treatment; and
- Occupational diseases listed in the Second Schedule of the Workplace Safety and Health Act and Work Injury Compensation Act.

ANNEX D

CONCEPTS & DEFINITIONS

Incident Type refers to the type of event which resulted in the injury of a victim. Where the event involves a chain of incidents, the incident type should be the one that triggered the chain of other incidents.

Incident Agent refers to the object or physical environment, which due to its hazardous nature/condition, leads to the occurrence of a particular type of incident. It is related to the incident, not injury.

Major Injuries refer to non-fatal injuries which are more severe in nature. Major injuries are defined using a combination of factors, including the nature of injury, part of the body injured, incident type and duration of medical leave. These include:

- amputation
 - blindness
 - deafness
 - paralysis
 - crushing, fractures and dislocations: head, back, chest and abdomen, neck, hip and pelvis
 - exposure to/ contact with electric current
 - asphyxia/drowning
 - hypothermia
 - burns with more than 20 days of medical leave
 - concussion with more than 20 days of medical leave
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