

BUSINESS LEADERS' HEALTH & SAFETY FORUM

Benchmarking Report

For the reporting period 1 July 2012 to 30 June 2013

Published May 2014



Key results

This report provides a snapshot of health and safety performance for Forum members participating in the benchmarking initiative. This is our second annual benchmarking report and it covers the 12 months to 30 June 2013.

The benchmarking process is useful to identify and compare performance, to support decision-making and to track progress towards our vision of Zero Harm Workplaces. This report aggregates data to provide overall results for participating Forum members and for the sectors they operate in. Participating members can view their individual performance in real-time by logging on to our online reporting tool.

The report show a significant drop in reported injury frequency rates among participating members. There was also an increase in participation by members, which led to a substantial rise in total recorded exposure hours.



31.6%
REDUCTION
in total recordable
injury frequency rate



28%
REDUCTION
in lost time injury
frequency rate



61.5%

INCREASE

increase in near miss reports



41%

INCREASE

in hours worked to 143 million exposure hours

65 FORUM MEMBERS

participated in this report (53 previous year)



6 FORUM MEMBERS

achieved 'Zero Harm' (no recordable injuries)



22 FORUM MEMBERS

had a TRIFR of less than 1



All frequency rates are based on 200,000 hours worked.

Forum results

Reported injury rates down

The overall results of participating Forum members show an encouraging reduction in reported injury frequency rates for most injury types. The exception was a small increase in the frequency of reported first aid injuries.

While there was a 21% increase in total reported injuries, this was largely due to a sharp rise in participation – with the number of hours worked jumping by 41%.

Reported incident frequency rates

CHANGE	MEASURE	2012/13	2011/12
↑ 3.7	Near Miss Reports	28.6	24.9
↑ 0.4	First Aid Injury	6.6	6.2
↓ 0.5	Medical Treatment Injury	2.4	2.9
↓ 0.9	Restricted Work Injury (RWI)	0.8	1.7
↓ 0.6	Lost Time Injury (LTI)	1.5	2.1
↓ 2.1	Total Recordable Injuries	4.6	6.7
↓ 1.7	All Injuries	11.2	12.9
↓ 11.6	Days Lost LTI	21.9	33.5
↓ 4.3	Days Lost RWI	3.8	8.1

Frequency rates based on 200,000 hours worked

The low numbers for occupational illness may reflect significant under-reporting.

There was an 8% reduction in reported days lost. The average days lost per lost time injury (LTI) reduced to 14.9 from 16.2 a year earlier – a reduction in severity of 1.3 days per LTI.

Also encouraging was the 61% increase in near miss reporting.

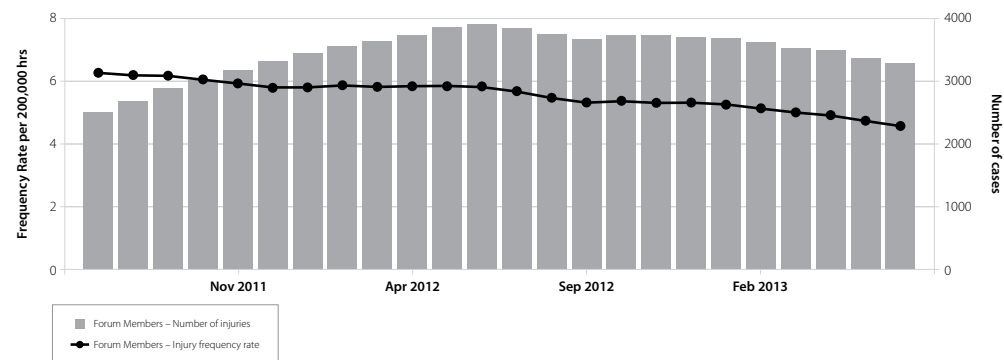
Reported incidents

CHANGE	MEASURE	2012/13	2011/12
↑ 7802	Near Miss	20,488	12,686
↑ 1559	First Aid Injury	4737	3178
↑ 193	Medical Treatment Injury	1685	1492
↓ 318	Restricted Work Injury (RWI)	548	866
↑ 3	Lost Time Injury (LTI)	1055	1052
↓ 132	Total Recordable Injuries	3279	3411
↑ 1427	All Injuries	8016	6589
↓ 1375	Days Lost LTI	15,691	17,066
↓ 1462	Days Lost RWI	2683	4145
↓ 6	Occupational illness	3	9
0	Fatal	1	1

Downward trend in total recordable injuries

There was a reduction in reported *total recordable injuries* and the *total recordable injury frequency rate (TRIFR)* for participating Forum members. TRIFR is the most commonly used lagging measure of safety performance. It captures reported medical treatment, restricted work, lost time and fatal injuries.

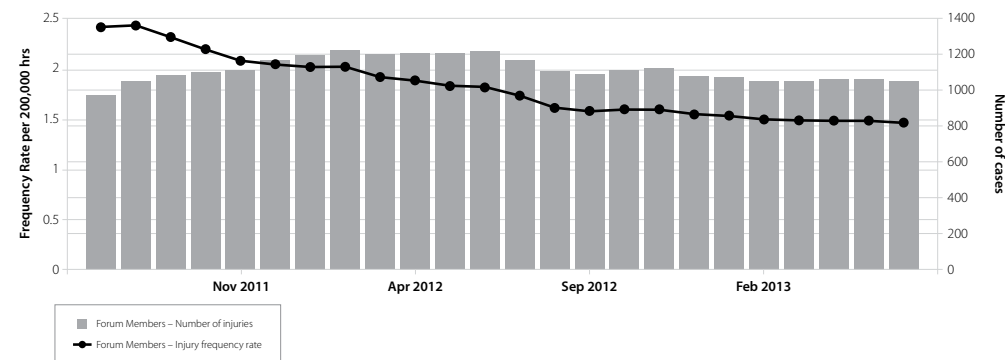
Rolling 12 month, Employees, Date range: 2011 Month 07 to 2013 Month 06



Downward trend in lost time injuries

There was also a reduction in *lost time injuries* and the *lost time injuries frequency rate (LTIFR)* for participating members. LTIFR captures injuries that resulted in at least one day being lost from work after the day of the injury or illness.

Rolling 12 month, Employees, Date range: 2011 Month 07 to 2013 Month 06



Who's involved

INDUSTRY	Agriculture, Forestry and Fishing	Construction	Information Media and Communications; Finance and Insurance; Property Services; Business Services; Business Support Services; Public Administration	Manufacturing	Mining, Utilities, and Waste Management	Other Services	Retail Trade, Accommodation, and Food Services	Wholesale Trade, Transport, Postal, and Warehousing
ORGANISATION (2013)	<ul style="list-style-type: none"> Hikurangi Forest Farms Ltd PF Olsen Ernslaw One Limited - Forestry Stevensons Agriculture 	<ul style="list-style-type: none"> Brightwater Engineers Ltd PAE (New Zealand) Limited (Construction) McConnell Dowell Constructors Ltd City Care – Construction ECL Group Stevensons Construction Naylor Love Construction Fulton Hogan Stevenson Group Services Ltd Taylor's Contracting Co Ltd, EIS Group Ltd, KiwiRail Construction 	<ul style="list-style-type: none"> PAE (New Zealand) Limited (BSS) GNS Science Limited KiwiRail Corporate Business Services Stevensons Property Bus Support 	<ul style="list-style-type: none"> Dominion Salt Limited, NZ Refining Company (NZRC) Tenon Orica Chemicals Ltd Coca-Cola Amatil (NZ) Ltd Ravensdown Gough Gough & Hamer Ltd Stevensons Manufacturing Silver Fern Farms Fonterra Bridgestone New Zealand Limited Manufacturing 	<ul style="list-style-type: none"> City Care - Mining, Utilities and Waste DELTA Utility Services Limited Powerco Envirowaste Services Ltd Genesis Energy Siemens New Zealand Meridian Energy Veolia Water Services Northpower Ltd Todd Corporation Limited WCC – Benchmarking Unison Networks Stevensons Mining Origin Energy New Zealand Contact Energy Shell Todd Oil Services Ltd. (STOS) Wel Networks Ltd 	<ul style="list-style-type: none"> City Care – Parks Maintenance SGS New Zealand Ltd BECA Opus International Consultants Ltd OCS Cannon Hygiene AECOM 	<ul style="list-style-type: none"> Restaurant Brands Progressive Enterprises Limited 	<ul style="list-style-type: none"> CHEP New Zealand Port Nelson Ltd AIAL Port of Napier BP Oil NZ LTD CentrePort Limited Cold Storage Nelson Limited Port of Otago Christchurch International Airport Limited Wellington Airport Ngai Tahu Tourism Air NZ KiwiRail Freight Transport KiwiRail Interislander Transport Lyttelton Port Co. Ltd Red Bus Ltd Liquigas Ltd
ORGANISATION (2012)	<ul style="list-style-type: none"> Ernslaw One PF Olsen Stevensons – Agriculture 	<ul style="list-style-type: none"> Brightwater Engineering Group City Care – Construction DELTA Utility Services EIS Group KiwiRail – Construction Mainzeal McConnell Dowell NZ Crane Group PAE (New Zealand) Limited – Construction Stevensons Group – Construction & Business Services Whittaker Civil Engineering 	<ul style="list-style-type: none"> Department of Labour (Prior to merger within MBIE) GNS Science KiwiRail – Corporate Business Services PAE (New Zealand) Limited Stevensons Group – Property Bus Support 	<ul style="list-style-type: none"> Coca-Cola Amatil (NZ) Fonterra GEON Print & Communication Services Huhtamaki Henderson Limited Refining NZ Orica Chemicals Ravensdown Silver Fern Farms Stevensons Group – Manufacturing Tenon 	<ul style="list-style-type: none"> City Care – Mining, Utilities and Waste Contact Energy Envirowaste Services Ltd Northpower Ltd Origin Energy New Zealand Powerco Shell Todd Oil Services Ltd. (STOS) Siemens New Zealand Stevensons Group Mining Todd Corporation United Water International Wellington City Council Wel Networks 	<ul style="list-style-type: none"> BECA City Care – Parks Maintenance OCS Opus International Consultants SGS New Zealand Transfield Worley 	<ul style="list-style-type: none"> Restaurant Brands 	<ul style="list-style-type: none"> Auckland International Airport Air NZ BP Oil NZ CentrePort CHEP New Zealand Christchurch International Airport Limited Cold Storage Nelson Limited KiwiRail – Freight Transport KiwiRail – Interislander Transport NZ Oil Services NZL Group Port of Napier Red Bus Ltd Z Energy

There was no participation from members in two sectors: *Defence, Public Order and Safety; and Education and Training, Health Care and Social Assistance, Arts and Recreation.*

Participation up

There has been an encouraging increase in members participating in the benchmarking project, with 65 members contributing data in the 2012/13 year. This was up from 53 members a year earlier and was more than a third of our members. However, we still have work to do to reach our goal of 60% of Forum members (75 members) participating in benchmarking.

Increased participation saw the number of hours worked increase to 143 million in 2012/13, from 102 million a year earlier. This took us close to our goal of 150 million hours.

Forum members constantly tell us that benchmarking data is important to them because it supports their decision-making. For that reason all members who can contribute their data are encouraged to do so.

The table below shows participation rates by industry.

Participation rate of members by industry

INDUSTRY SECTOR	FORUM MEMBERS AT 30 JUNE 2013	ENTITIES PROVIDING DATA*
Agriculture, Forestry and Fishing	7	4
Construction	18	13
Defence, Public Order and Safety	2	0
Education and Training, Health Care and Social Assistance, Arts and Recreation	1	0
Information Media and Communications; Finance and Insurance; Property Services; Business Services; Business Support Services; Public Administration	8	4
Manufacturing	23	12
Mining, Utilities, and Waste Management	28	17
Other Services	11	6
Retail Trade, Accommodation, and Food Services	7	2
Wholesale Trade, Transport, Postal, and Warehousing	38	18
Total	143	76*

* 65 members contributed data. But some members operate in multiple sectors, and entered data in multiple sector categories to reflect the activities of different business units. As a result, those members are counted multiple times in the table. Industry classifications are based on ANZSIC level 1.

Sector results

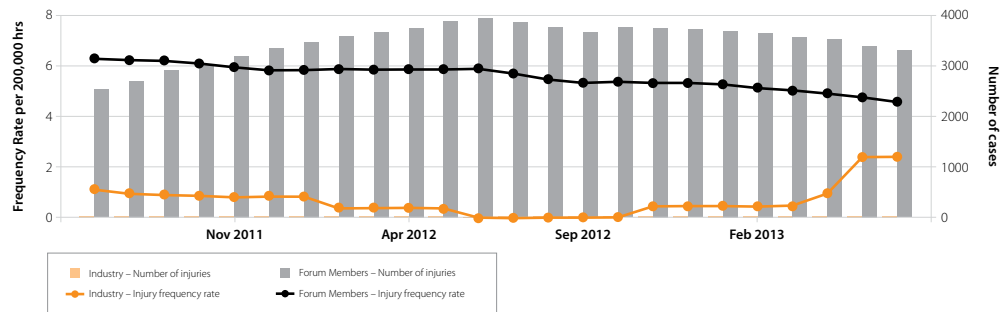
Overview

The tables below show the reported *recordable injury* and *total recordable injury frequency rate* for seven sectors. The tables also show how each sector compares against the results for all Forum members participating in benchmarking.

Note, the Construction and Agriculture, Forestry and Fishing sectors use a significant number of contractors. However, injuries to contractors are not reported in sufficient detail to be shown. As a result, actual injury rates in these sectors are likely to be significantly under-reported.

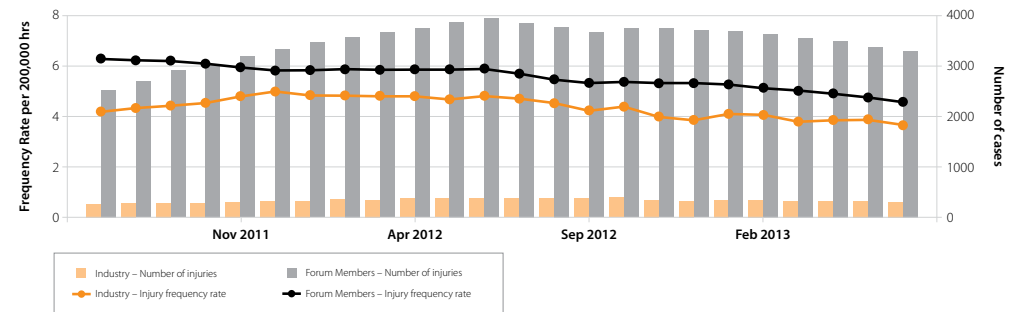
Agriculture, Forestry and Fishing

Rolling 12 month, Employees, Date range: 2011 Month 07 to 2013 Month 06



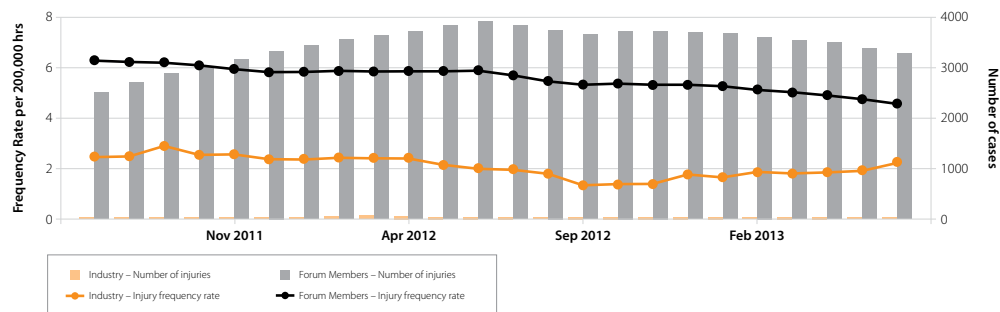
Construction

Rolling 12 month, Employees, Date range: 2011 Month 07 to 2013 Month 06



Information Media and Communications; Finance and Insurance; Property Services; Business Services; Business Support Services; Public Administration

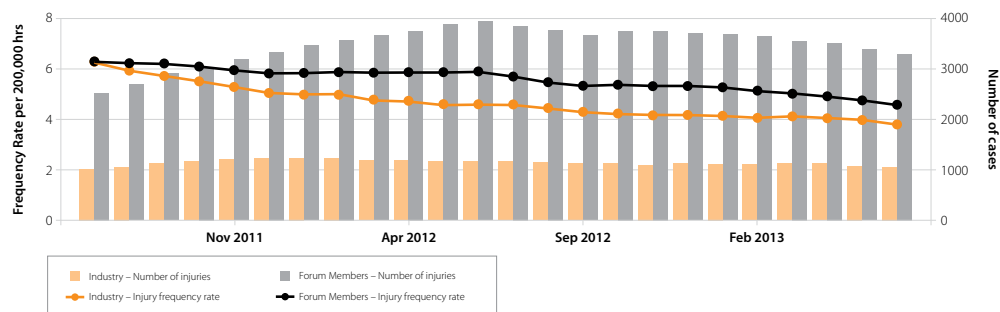
Rolling 12 month, Employees, Date range: 2011 Month 07 to 2013 Month 06



Results are not shown for three sectors (*Defence, Public Order and Safety; Education and Training, Health Care and Social Assistance, Arts and Recreation; and Retail Trade, Accommodation, and Food Services*). There was insufficient data to provide meaningful information or to maintain the confidentiality of individual members' data.

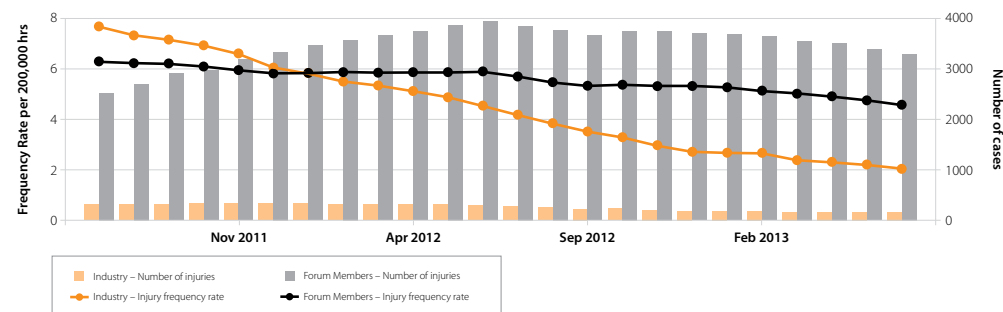
Manufacturing

Rolling 12 month, Employees, Date range: 2011 Month 07 to 2013 Month 06



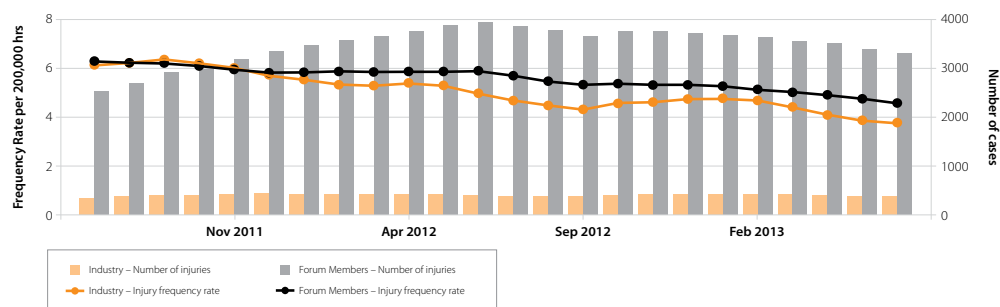
Other Services

Rolling 12 month, Employees, Date range: 2011 Month 07 to 2013 Month 06



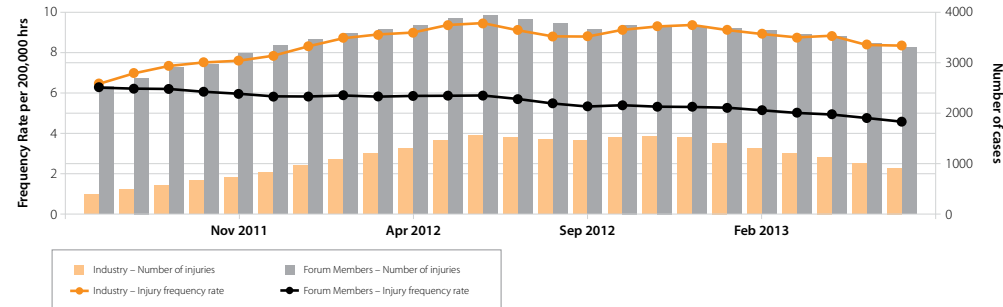
Mining, Utilities, and Waste Management

Rolling 12 month, Employees, Date range: 2011 Month 07 to 2013 Month 06



Wholesale Trade, Transport, Postal, and Warehousing

Rolling 12 month, Employees, Date range: 2011 Month 07 to 2013 Month 06



Sector results

Type of incident

This table shows reported incidents for each sector broken down into the type of incident.

SECTOR	HOURS WORKED	NEAR MISS	FIRST AID INJURY	MEDICAL TREATMENT INJURY	RETURN TO WORK INJURY	OCCUPATIONAL ILLNESS	LOST TIME INJURY (LTI)	FATAL	TOTAL RECORDABLE INJURY	ALL INJURIES	DAYS LOST LTI	DAYS LOST RWI
Manufacturing												
2012/13	54,417,346	1,125	443	351	130	1	565	0	1,044	1,487	10,810	368
2011/12	34,475,655	503	245	341	95	4	461	0	897	1,142	8,607	25
Wholesale Trade, Transport, Postal, and Warehousing												
2012/13	21,584,846	6,044	1,130	375	327	0	206	1	901	2,031	3,731	2,079
2011/12	29,314,392	2,845	1,239	453	636	3	348	1	1,438	2,677	7,059	3,924
Mining, Utilities, and Waste Management												
2012/13	19,613,452	6,633	1,056	290	46	2	34	0	370	1,426	624	92
2011/12	11,256,054	3,687	718	221	66	2	45	0	332	1,050	239	74
Construction												
2012/13	16,160,805	3,351	374	193	30	0	73	0	296	670	221	83
2011/12	8,812,282	2,675	419	199	39	0	45	0	283	702	171	73
Other Services												
2012/13	14,047,638	1,904	548	106	13	0	25	0	144	692	135	61
2011/12	10,688,867	1,752	421	148	25	0	102	0	275	696	754	39
Information Media and Communications; Finance and Insurance; Property Services; Business Services; Business Support Services; Public Administration												
2012/13	985,595	346	19	8	1	0	2	0	11	30	7	0
2011/12	3,107,192	402	78	27	1	0	3	0	31	109	38	10
Agriculture, Forestry and Fishing												
2012/13	411,569	1,013	17	5	0	0	0	0	5	22	0	0
2011/12	Insufficient data for reporting											

All frequency rates are based on 200,000 hours worked.

Type of incident – frequency rates

This table shows reported frequency rates for each sector broken down into the type of incident.

Frequency rates per 200,000 hours worked

SECTOR	HOURS WORKED	NEAR MISS	FIRST AID INJURY	MEDICAL TREATMENT INJURY	RETURN TO WORK INJURY	OCCUPATIONAL ILLNESS	LOST TIME INJURY (LTI)	FATAL	TOTAL RECORDABLE INJURY	ALL INJURIES	DAYS LOST LTI	DAYS LOST RWI
Manufacturing												
2012/13	54,417,346	4.13	1.63	1.29	0.48	0	2.08	0	3.84	5.47	39.73	1.35
2011/12	34,475,655	2.92	1.42	1.98	0.55	0.02	2.67	0	5.2	6.62	49.93	0.15
Wholesale Trade, Transport, Postal, and Warehousing												
2012/13	21,584,846	56.00	10.47	3.47	3.03	0	1.91	0.01	8.35	18.82	34.57	19.26
2011/12	29,314,392	19.41	8.45	3.09	4.34	0.02	2.37	0.01	9.81	18.26	48.16	26.77
Mining, Utilities, and Waste Management												
2012/13	19,613,452	67.64	10.77	2.96	0.47	0.02	0.35	0	3.77	14.54	6.36	0.94
2011/12	11,256,054	65.51	12.76	3.93	1.17	0.04	0.8	0	5.9	18.66	4.25	1.31
Construction												
2012/13	16,160,805	41.47	4.63	2.39	0.37	0	0.90	0	3.66	8.29	2.73	1.03
2011/12	8,812,282	60.71	9.51	4.52	0.89	0	1.02	0	6.42	15.93	3.87	1.66
Other Services												
2012/13	14,047,638	27.11	7.80	1.51	0.19	0	0.36	0	2.05	9.85	1.92	0.87
2011/12	10,688,867	32.78	7.88	2.77	0.47	0	1.91	0	5.15	13.02	14.11	0.73
Information Media and Communications; Finance and Insurance; Property Services; Business Services; Business Support Services; Public Administration												
2012/13	985,595	70.21	3.86	1.62	0.20	0	0.41	0	2.23	6.09	1.42	0
2011/12	3,107,192	25.88	5.02	1.74	0.06	0	0.19	0	2	7.02	2.45	0.64
Agriculture, Forestry and Fishing												
2012/13	411,569	492.26	8.26	2.43	0	0	0	0	2.43	10.69	0	0
2011/12	Insufficient data for reporting											

- Results are not reported for three sectors (*Defence, Public Order and Safety; Education and Training, Health Care and Social Assistance, Arts and Recreation; and Retail Trade, Accommodation, and Food Services*) as there was insufficient data to provide meaningful information or maintain the confidentiality of individual members' data.
- The reduction in reports of occupational illnesses may reflect a lack of reporting of health issues.

About this report

This report uses information compiled by risk and safety consultancy Impac. Impac hosts the Forum's online benchmarking tool that supports our benchmarking project. Visit www.zeroharm.org.nz/our-work/benchmarking/ for more information, including a link to the online tool and definitions.

Limitations

Due to the limited data provided about contractors, this report covers employees only. That means overall injury rates are likely to be under-reported, particularly in sectors that rely heavily on contractors. The lack of reporting on contractor safety is of significant concern. The Forum's contractor safety project has identified that a reporting culture is essential to improving contractor safety, and CEOs need to drive this culture. The Forum will look to encourage members to include contractor data in future.

This report may not necessarily reflect the level of risk of serious or fatal harm within participating businesses. Research has identified that the risk of serious and fatal harm do not necessarily drop with reductions in injury frequency rates, which generally only measure the frequency of less serious injuries.

The data in this report may be subject to errors relating to the way it is collected, classified and reported by members. In particular, it may be affected by some Forum members not yet using OSHA definitions for reporting injuries. The Forum adopted OSHA standards to improve the reliability of benchmarking data.

About the Business Leaders' Health and Safety Forum

The Business Leaders' Health and Safety Forum inspires and supports its members to become more effective leaders on health and safety. The Forum has more than 160 members, who are CEOs or Managing Directors of significant New Zealand companies.

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