



IADC ISP Program 2024

**SUMMARY OF OCCUPATIONAL
INCIDENTS (INDUSTRY TOTALS)**

Issued 5 February 2025



IADC ISP Program 2024

TABLE OF CONTENTS

<i>Summary of Occupational Incidents Introductory Briefing</i>	3
<i>2024 ISP Program Industry Totals</i>	7
<i>2024 Final Report (Table 1)</i>	7
<i>5 Year Summary Report (Table 2)</i>	8
<i>2024 - IADC Industry Totals (Table 3)</i>	9
<i>Total Industry LTI & Recordable Incidence Rates vs Man-hours (Figure 1)</i>	9
<i>Total Industry Land LTI & Recordable Incidence Rates vs Man-hours (Figure 2)</i>	10
<i>Total Industry Water LTI & Recordable Incidence Rates vs Man-hours (Figure 3)</i>	10
<i>IADC 2024 Total Industry Charts</i>	11
<i>Total Industry Lost Time Incidents by Month (Chart 1)</i>	11
<i>Total Industry Recordable Incidents by Month (Chart 2)</i>	11
<i>Total Industry Lost Time Incidents by Occupation (Chart 3)</i>	12
<i>Total Industry Recordable Incidents by Occupation (Chart 4)</i>	12
<i>Total Industry Lost Time Incidents by Body Part (Chart 5)</i>	13
<i>Total Industry Recordable Incidents by Body Part (Chart 6)</i>	13
<i>Total Industry Lost Time Incidents by Incident Type (Chart 7)</i>	14
<i>Total Industry Recordable Incidents by Incident Type (Chart 8)</i>	14
<i>Total Industry Lost Time Incidents by Equipment (Chart 9)</i>	15
<i>Total Industry Recordable Incidents by Equipment (Chart 10)</i>	15
<i>Total Industry Lost Time Incidents by Operation (Chart 11)</i>	16
<i>Total Industry Recordable Incidents by Operation (Chart 12)</i>	16
<i>Total Industry Lost Time Incidents by Location (Chart 13)</i>	17
<i>Total Industry Recordable Incidents by Location (Chart 14)</i>	17
<i>Total Industry Lost Time Incidents by Time in Service (Chart 15)</i>	18
<i>Total Industry Recordable Incidents by Time in Service (Chart 16)</i>	18
<i>Total Industry Lost Time Incidents by Time of Day (Chart 17)</i>	19
<i>Total Industry Recordable Incidents by Time of Day (Chart 18)</i>	19

Total Industry Lost Time Incidents by Age (Chart 19) 20

Total Industry Recordable Incidents by Age (Chart 20) 20

2024 ISP Program Regional Totals 21

IADC 2024 Africa Totals (Table 4) 21

Africa Total LTI & Recordable Incidence Rates vs Man-hours (Figure 4) 21

IADC 2024 Asia Pacific Totals (Table 5) 22

Asia Pacific Total LTI & Recordable Incidence Rates vs Man-hours (Figure 5) 22

IADC 2024 Australasia Totals (Table 6) 23

Australasia Total LTI & Recordable Incidence Rates vs Man-hours (Figure 6) 23

IADC 2024 Canada Totals (Table 7) 24

Canada Total LTI & Recordable Incidence Rates vs Man-hours (Figure 7) 24

IADC 2024 Central America & Caribbean Totals (Table 8) 25

Central America & Caribbean Total LTI & Recordable Incidence Rates vs Man-hours (Figure 8) 25

IADC 2024 European Totals (Table 9) 26

European Total LTI & Recordable Incidence Rates vs Man-hours (Figure 9) 26

IADC 2024 Middle East Totals (Table 10) 27

Middle East Total LTI & Recordable Incidence Rates vs Man-hours (Figure 10) 27

IADC 2024 South American Totals (Table 11) 28

South America Total LTI & Recordable Incidence Rates vs Man-hours (Figure 11) 28

IADC 2024 US Totals (Table 12) 29

US Total LTI & Recordable Incidence Rates vs Man-hours (Figure 12) 29

IADC ISP Program 2024
 Issued 5 February 2025

Copyright © 2025 International Association of Drilling Contractors (IADC), Houston, Texas USA.
 All rights reserved. No part of this publication may be reproduced or transmitted in any form,
 whether printed or electronic, without the prior written permission of the publisher.

International Association of Drilling Contractors
 3657 Briarpark Drive #200
 Houston, Texas 77042
 USA

Summary of Occupational Incidents Introductory Briefing

GENERAL UPDATE

In 2022 a workgroup was formed under the IADC HSE Committee to completely review and rewrite the IADC ISP Guidelines document. In the past, updates were made annually but this was the first complete rewrite in more than a decade. The new document is now evergreen and is online at the ISP site to ensure that all participants and HSE professionals are referring to the most recent version. The Q&A document was reviewed, and many answers were incorporated directly into the guidelines thus eliminating additional documents and potential for contradictions. A question-and-answer link was also added to the ISP site so that participants may still submit questions that will be reviewed and answered by the HSE committee.

Lastly, in late 2022 the IADC Executive Committee approved a proposal to build a modern, internet-based ISP system allowing much more participant insight and direct access to reports. Two workgroups were formed and met to scope the project and development began on 12 January 2023. This new ISP system was launched in the fall of 2023.

Data gathered in the IADC Incident Statistics Program (ISP) data base, shows that the oil and gas well drilling industry continues work toward reducing incidents on rigs. Despite increased rig demand in 2024, the incidence rates decreased slightly from 2023. Although IADC ISP calculates both Incidence rates and Frequency rates, this

report is based on Incidence rates which are calculated on incidents per 200,000 man-hours.

The Summary of Occupational Incidents (SOI) is compiled annually from data volunteered by drilling contractors worldwide to the IADC ISP Program. During 2024, 76 contractors participated in the ISP representing a total of 418,375,348 million man-hours worked. Contractors striving for safety improvement by participating in the ISP program reported 956 Recordable incidents, 271 Lost Time incidents including 8 fatalities.

REGIONAL REPORTING

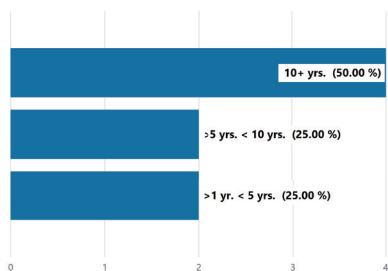
Safety data is compiled separately for Land and Offshore operations for nine geographic regions. This report is not designed to measure region against region, but to provide companies operating within each region tools to measure their efforts and make improvement in their safety efforts year over year.

INDUSTRY IMPROVEMENT

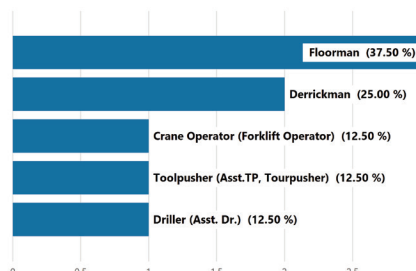
2024 saw the drilling industry's worldwide Lost Time Incidence Rate decrease to 0.13 from the 2023 reported rate of 0.14. The 2024 Recordable Incident rate decreased to 0.46 from the 2023 reported rate of 0.51. The oil and gas well drilling industry's efforts towards safety have resulted in the industry's occupational LTI Incidence rate to improve from more than 14.00 in 1963 to 0.13 in 2024, which is a 99% improvement.

Fatalities

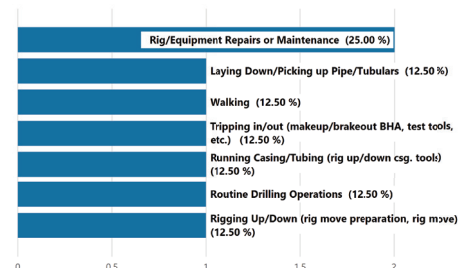
By Time in Service



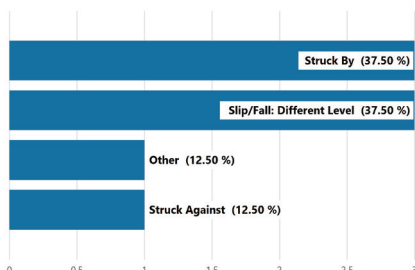
By Occupation



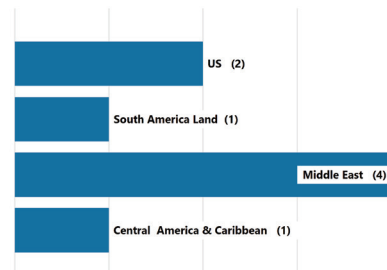
By Activity



By Type



By Region



FATALITIES

In 2024 the industry's fatalities decreased to 8 incidents compared to 10 incidents reported in 2023. According to the data reported in 2024, four (4) fatalities occurred to employees who had more than ten years of service with the company. Two (2) more fatalities occurred to employees who had between five and ten years of service. Two (2) fatalities occurred during rig/equipment repairs or maintenance. Three (3) of the fatalities occurred to floormen.

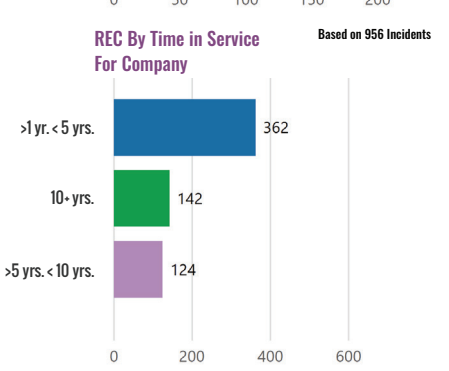
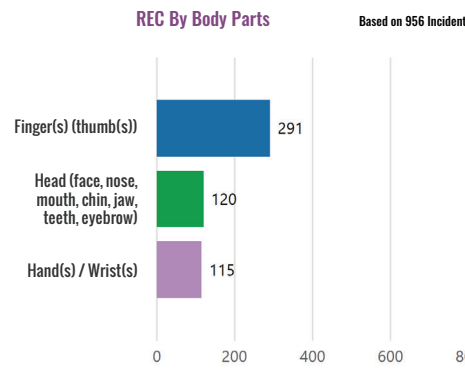
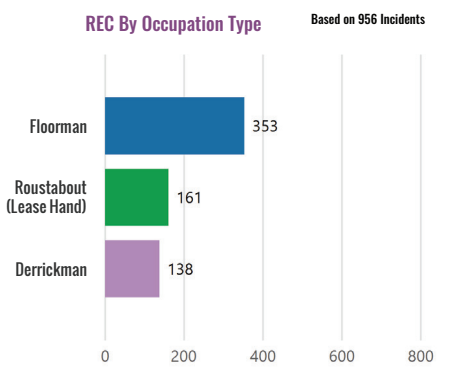
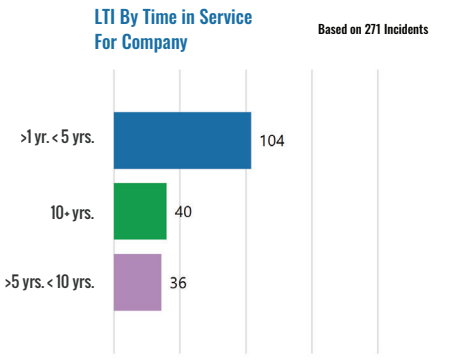
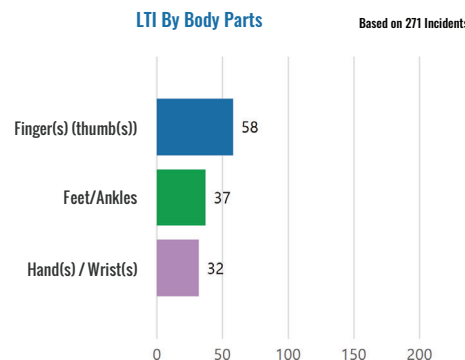
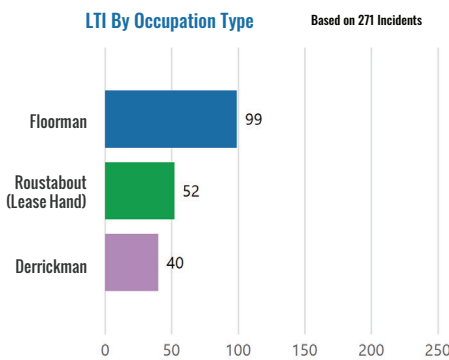
Regional Summaries: Man-Hours vs Fatalities

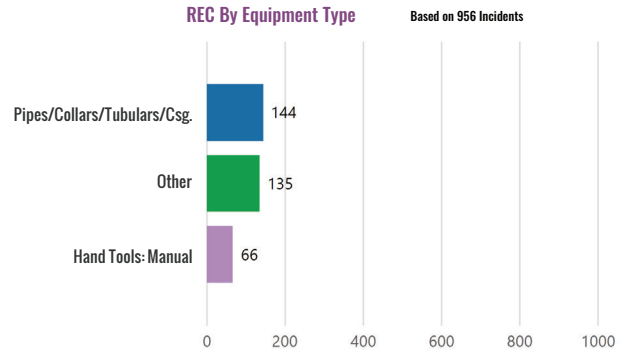
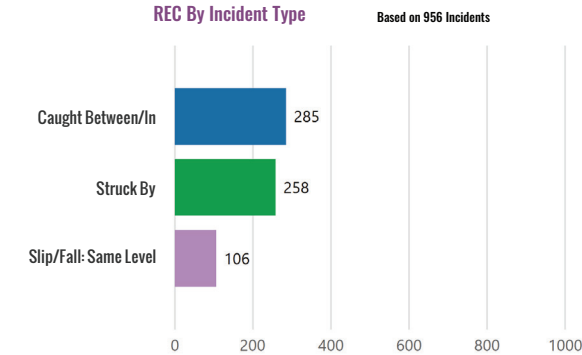
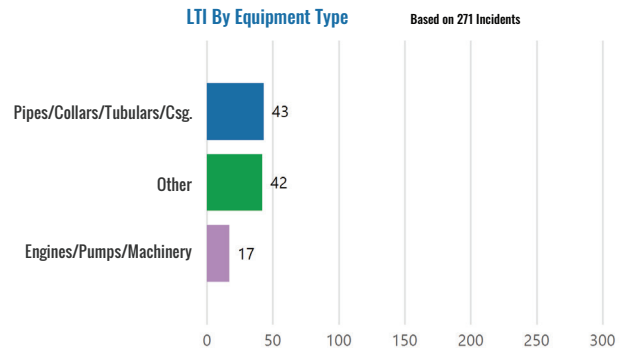
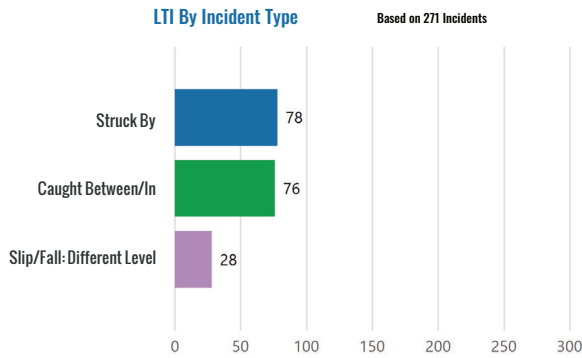
European Land and Offshore categories together worked 25.3 million man-hours in 2024 with zero (0) fatalities. European offshore accounted for 21.2 million man-hours with zero (0) fatalities while European Land had 4.2 million man-hours and zero (0) fatalities. US Land and Offshore contractors together worked more than 60.6 million man-hours with two (2) fatalities. US Land had 44.9 million man-hours with two (2) fatalities while US water had 15.7 million man-hours and zero (0) fatalities. Canadian contractors accounted for 9.6 million man-hours and zero (0) fatalities. Canadian Land had 8.9 million man-hours and zero (0) fatalities while offshore had 720,761 man-hours and no fatalities. Central America and Caribbean accounted for 4.8 million man-hours with one (1) fatality. Land operations reported 537,817 man-hours and no fatalities while water operations reported just over 4.3 million man-hours and one (1) fatality. Africa combined land and offshore accounted for 56 million man-hours with zero (0) fatalities. Africa Land accounted for 41.3 million man-hours with zero (0)

fatalities while Africa Water had 14.8 million man-hours and no fatalities. The Middle East region accounted for 192.7 million man-hours with four (4) fatalities. The Land division had 120.4 million man-hours and three (3) fatalities while there were 72.3 million man-hours and one (1) fatality for the offshore division. Asia Pacific accounted for 29.7 million man-hours and no fatalities. Water had 24.2 million man-hours and no fatalities while the Land Division had 5.5 million man-hours with no fatalities. South America made up 33.4 million man-hours with one (1) fatality. Land had 9.5 million man-hours and one (1) fatality while Water had 23.9 million man-hours and no fatalities. Australasia made up 6.2 million man-hours with no fatalities. Land had 3.1 million man-hours with no fatalities while offshore had 3.1 million man-hours with no fatalities.

Lost Time and Recordable Incidents by Region

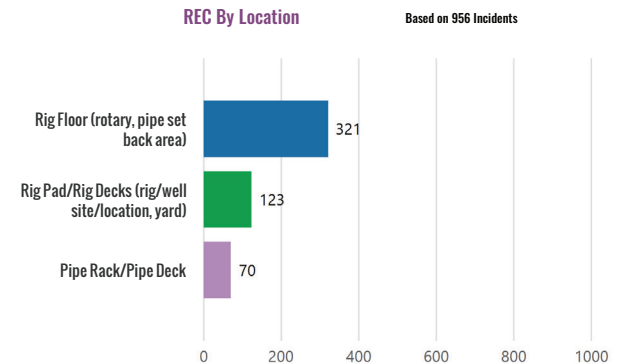
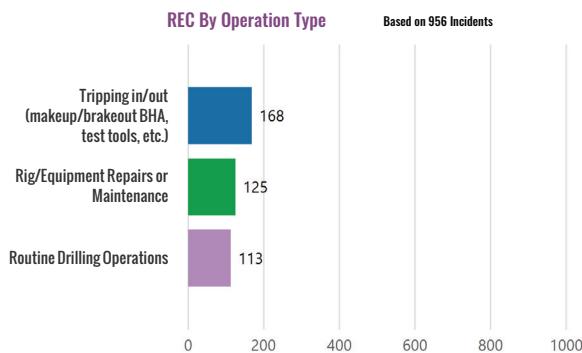
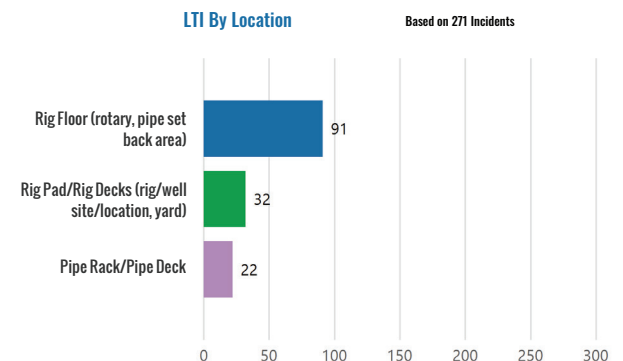
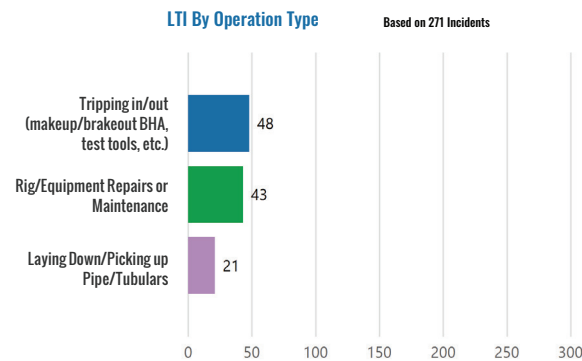
Lost time incidents among US Land workers decreased from 0.44 in 2023 to 0.32 in 2024. The Total Recordable Incidence Rate improved from 1.53 in 2023 to 1.26 in 2024. US Offshore LTI Incidence rate remained 0.11 in 2024 and Recordable Incidence Rate improved from 0.70 in 2023 to 0.56 in 2024. European Land workers saw their LTI rate worsen from 0.33 for 2023 to 0.96 for 2024. The Recordable Incidence Rate worsened from 0.52 in 2023 to 1.20 in 2024. European Offshore workers LTI rate worsen from 0.12 for 2023 to 0.19 for 2024 while the Recordable Incidence rate worsened from 0.41 in 2023 to 0.67 in 2024. Canada Land LTI rate remained 0.27 for 2024, while their Recordable Incidence rate of 0.88 in 2023 rose to 1.40 for 2024. Canada Offshore





workers saw their LTI rate remain at 0.00 for 2024. The Recordable Incidence rate of 0.00 for 2023 rose to 0.28 for 2024. Central America and Caribbean Land LTI rate remained at 0.00 for 2024. Their 2023 Recordable Incidence rate of 0.93 dropped to 0.37 for 2024. Central America and Caribbean Water 2023 LTI Rate of 0.21 worsened to 0.24 in 2024. The Recordable rate of 0.49 for 2023 also worsened to 0.66 for 2024. Africa Land

LTI rate decreased from 0.36 in 2023 to 0.27 in 2024. The Recordable Incidence rate decreased from 1.22 in 2023 to 0.87 in 2024. Africa Water LTI rate increased from 0.04 in 2023 to 0.09 in 2024 and their Recordable Incidence rate increased from 0.12 in 2023 to 0.24 in 2024. Middle East Land LTI rate remained at 0.05 in 2024. Their 2023 Recordable Incidence rate of 0.16 improved to 0.12 in 2024. Middle East Water LTI rate



remained at 0.04 in 2024 and their Recordable Incidence rate increased from 0.15 in 2023 to 0.17 in 2024. Asia Pacific Land LTI rate increased from 0.00 in 2023 to 0.04 in 2024, and their Recordable Incidence rate increased from 0.11 in 2023 to 0.18 in 2024. Asia Pacific Water 2023 LTI rate of 0.05 increased to 0.07 for 2024 and their Recordable Incidence rate improved from 0.22 in 2023 to 0.20 in 2024. In 2023, South America Land had an LTI rate of 0.04 which worsened to 0.13 in 2024 and a 2023 Recordable rate of 0.25 which worsened to 0.59 in 2024. South America Water 2023 LTI rate was 0.07 which worsened to 0.10 in 2024 and a 2023 Recordable rate of 0.27 that worsened to 0.28 in 2024. Australasia Land had a 2023 LTI rate of 0.63 which improved to 0.39 for 2024 and Recordable incident rate of 1.06 for 2023 which worsened to 1.37 for 2024. Australasia Water had a 2023 LTI rate of 0.32 which improved to 0.00 for 2024 and a 2023 Recordable incident rate of 1.38 which improved to 0.77 for 2024.

Greatest Risks

Incidents occur in many places around the rig and to all crewmembers. Many types of equipment and rig operations are involved in incidents and all parts of the body are at risk. Incident data are analyzed by occupation, body part, incident type, equipment type, operation, location time in service and time of day the incident occurred.

Data from the IADC ISP show that of all the categories, as with previous years, the Floorman position incurred the largest percentage of Lost Time and Recordable injuries.

Fingers remained the most vulnerable part of the body.

Caught Between and Struck By accounted for the most Lost Time Injuries and Total Recordable injuries.

Pipes/Collars/Tubulars/Casing is the equipment responsible for the most Lost Time and Recordable incidents.

Tripping In/Out and Rigging Up/Down accounted for the most Lost Time and Recordable incidents.

The most Lost Time and Recordable injuries in drilling operations occurred on the rig floor.

Lost Time and Recordable injuries based on Time in Service were led by employees with between one to five years of service.

The Most LTI and Recordable incidents occurred at 11:00 hours.

November accounted for the most Lost Time and Recordable incidents.

The 26 – 35 year age range accounted for the most Lost Time and Recordable incidents.

Conclusion

Activity in most sectors of the industry increased in 2024. Overall, Lost Time incidents rates and Recordable incident rates decreased slightly in 2024 as compared to 2023, despite an overall uptick in rig activity.



2024 ISP Program Industry Totals

2024 Final Report (Table 1)

January – December (Note: Figures are unaudited)

CATEGORY	TOTAL MAN-HOURS	TOTAL MTOs	TOTAL RWCs	TOTAL LTIs	TOTAL FTLs	TOTAL RCRD	LTI INCD. RATE	LTI FREQ. RATE	DART INCD. RATE	DART FREQ. RATE	RCRD INCD. RATE	RCRD FREQ. RATE
US - Land	44,930,308	125	84	71	2	282	0.32	1.62	0.70	3.49	1.26	6.28
US - Water	15,674,470	16	19	9	0	44	0.11	0.57	0.36	1.79	0.56	2.81
Canada - Land	8,871,507	0	50	12	0	62	0.27	1.35	1.40	6.99	1.40	6.99
Canada - Water	720,761	0	1	0	0	1	0.00	0.00	0.28	1.39	0.28	1.39
Central America & Caribbean - Land	537,817	0	1	0	0	1	0.00	0.00	0.37	1.86	0.37	1.86
Central America & Caribbean - Water	4,255,227	1	8	4	1	14	0.24	1.18	0.61	3.06	0.66	3.29
European - Land	4,161,220	2	3	20	0	25	0.96	4.81	1.11	5.53	1.20	6.01
European - Water	21,175,168	29	22	20	0	71	0.19	0.94	0.40	1.98	0.67	3.35
Africa - Land	41,348,164	39	85	55	0	179	0.27	1.33	0.68	3.39	0.87	4.33
Africa - Water	14,779,658	3	8	7	0	18	0.09	0.47	0.20	1.01	0.24	1.22
Middle East - Land	120,382,438	23	24	25	3	75	0.05	0.23	0.09	0.43	0.12	0.62
Middle East - Water	72,307,435	14	31	15	1	61	0.04	0.22	0.13	0.65	0.17	0.84
Asia Pacific - Land	5,472,944	2	2	1	0	5	0.04	0.18	0.11	0.55	0.18	0.91
Asia Pacific - Water	24,207,681	6	9	9	0	24	0.07	0.37	0.15	0.74	0.20	0.99
South America Land	9,521,492	13	9	5	1	28	0.13	0.63	0.32	1.58	0.59	2.94
South America Water	23,874,093	14	7	12	0	33	0.10	0.50	0.16	0.80	0.28	1.38
Australasia – Land	3,057,731	10	5	6	0	21	0.39	1.96	0.72	3.60	1.37	6.87
Australasia – Water	3,097,234	6	6	0	0	12	0.00	0.00	0.39	1.94	0.77	3.87
US Combined	60,604,778	141	103	80	2	326	0.27	1.35	0.61	3.05	1.08	5.38
Canada Combined	9,592,268	0	51	12	0	63	0.25	1.25	1.31	6.57	1.31	6.57
Central America & Caribbean Com.	4,793,044	1	9	4	1	15	0.21	1.04	0.58	2.92	0.63	3.13
European Combined	25,336,388	31	25	40	0	96	0.32	1.58	0.51	2.57	0.76	3.79
Africa Combined	56,127,822	42	93	62	0	197	0.22	1.10	0.55	2.76	0.70	3.51
Middle East Combined	192,689,873	37	55	40	4	136	0.05	0.23	0.10	0.51	0.14	0.71
Asia Pacific Combined	29,680,625	8	11	10	0	29	0.07	0.34	0.14	0.71	0.20	0.98
South America Combined	33,395,585	27	16	17	1	61	0.11	0.54	0.20	1.02	0.37	1.83
Australasia Combined	6,154,965	16	11	6	0	33	0.19	0.97	0.55	2.76	1.07	5.36
INDUSTRY TOTAL	418,375,348	303	374	271	8	956	0.13	0.67	0.31	1.56	0.46	2.29

MTO=Medical Treatment Only	INCD = Incidence Rate (200,000 man-hours):	LTI INCD Rate = (LTI s+ FTLs) * 200000 / Total Man-hours
RWC =Restricted Work Case		DART INCD Rate = (RWC + LTI + FTL) * 200000 / Total Man-hours
LTI =Lost Time Incident	FREQ = Frequency Rate (1,000,000 man-hours):	RCRD INCD Rate = (MTOs + RWCs + LTIs + FTLs) * 200000 / Total Man-hours
FTL =Fatalities		LTI FREQ Rate = (LTI s+ FTLs) * 1000000 / Total Man-hours
RCRD =Total Recordables		DART FREQ Rate = (RWC + LTI + FTL) * 1000000 / Total Man-hours
		RCRD FREQ Rate = (MTOs + RWCs + LTIs + FTLs) * 1000000 / Total Man-hours

5 Year Summary Report (Table 2)

Lost Time and Total Recordable Incidence/Frequency Rate

CATEGORY	TYPE	2024		2023		2022		2021		2020	
		INCD.RATE	FREQ.RATE	INCD.RATE	FREQ.RATE	INCD.RATE	FREQ.RATE	INCD.RATE	FREQ.RATE	INCD.RATE	FREQ.RATE
US Land	LTI:	0.32	1.62	0.44	2.18	0.61	3.04	0.42	2.11	0.28	1.39
	DART:	0.70	3.49	1.02	5.09	1.30	6.51	1.07	5.35	0.67	3.33
	RCRD:	1.26	6.28	1.53	7.67	1.89	9.45	1.53	7.64	1.01	5.05
US Water	LTI:	0.11	0.57	0.11	0.53	0.15	0.74	0.10	0.51	0.09	0.47
	DART:	0.36	1.79	0.41	2.05	0.36	1.80	0.43	2.14	0.32	1.59
	RCRD:	0.56	2.81	0.70	3.51	0.71	3.54	0.67	3.34	0.45	2.24
Canada Land	LTI:	0.27	1.35	0.27	1.34	0.08	0.42	0.15	0.75	0.55	2.73
	DART:	1.40	6.99	0.80	4.02	1.04	5.19	0.95	4.77	0.97	4.86
	RCRD:	1.40	6.99	0.88	4.39	1.04	5.19	1.05	5.27	1.15	5.77
Canada Water	LTI:	0.00	0.00	0.00	0.00	0.23	1.17	0.00	0.00	0.00	0.00
	DART:	0.28	1.39	0.00	0.00	0.70	3.52	0.56	2.81	1.19	5.96
	RCRD:	0.28	1.39	0.00	0.00	0.70	3.52	0.56	2.81	1.19	5.96
Central America & Caribbean Land	LTI:	0.00	0.00	0.00	0.00	0.32	1.60	1.30	6.49	1.00	5.02
	DART:	0.37	1.86	0.62	3.11	0.64	3.19	1.82	9.09	1.26	6.28
	RCRD:	0.37	1.86	0.93	4.66	1.28	6.38	2.08	10.39	1.26	6.28
Central America & Caribbean Water	LTI:	0.24	1.18	0.21	1.05	0.28	1.40	0.20	1.01	0.23	1.17
	DART:	0.61	3.06	0.31	1.57	0.52	2.62	0.24	1.18	0.38	1.91
	RCRD:	0.66	3.29	0.49	2.45	0.70	3.49	0.34	1.68	0.47	2.35
European Land	LTI:	0.96	4.81	0.33	1.66	0.44	2.21	0.36	1.82	0.34	1.71
	DART:	1.11	5.53	0.38	1.90	1.33	6.63	1.13	5.64	1.18	5.92
	RCRD:	1.20	6.01	0.52	2.61	1.45	7.23	1.35	6.76	1.48	7.39
European Water	LTI:	0.19	0.94	0.12	0.60	0.03	0.15	0.04	0.21	0.06	0.30
	DART:	0.40	1.98	0.28	1.39	0.11	0.53	0.06	0.31	0.18	0.89
	RCRD:	0.67	3.35	0.41	2.03	0.14	0.68	0.16	0.82	0.26	1.28
Africa Land	LTI:	0.27	1.33	0.36	1.80	0.07	0.36	0.07	0.37	0.07	0.37
	DART:	0.68	3.39	1.01	5.07	0.16	0.78	0.16	0.80	0.19	0.95
	RCRD:	0.87	4.33	1.22	6.12	0.22	1.10	0.23	1.14	0.29	1.47
Africa Water	LTI:	0.09	0.47	0.04	0.19	0.06	0.29	0.05	0.27	0.04	0.20
	DART:	0.20	1.01	0.09	0.45	0.13	0.65	0.15	0.76	0.11	0.56
	RCRD:	0.24	1.22	0.12	0.58	0.19	0.97	0.20	0.98	0.15	0.74
Middle East Land	LTI:	0.05	0.23	0.05	0.23	0.03	0.17	0.00	0.00	0.03	0.16
	DART:	0.09	0.43	0.11	0.56	0.13	0.67	0.03	0.16	0.06	0.32
	RCRD:	0.12	0.62	0.16	0.79	0.20	1.00	0.16	0.79	0.16	0.79
Middle East Water	LTI:	0.04	0.22	0.04	0.19	0.03	0.14	0.09	0.47	0.02	0.09
	DART:	0.13	0.65	0.11	0.54	0.06	0.32	0.15	0.77	0.05	0.26
	RCRD:	0.17	0.84	0.15	0.77	0.13	0.64	0.23	1.16	0.15	0.75
Asia Pacific Land	LTI:	0.04	0.18	0.00	0.00	0.07	0.35	0.20	1.01	0.09	0.44
	DART:	0.11	0.55	0.00	0.00	0.26	1.30	0.52	2.61	0.26	1.31
	RCRD:	0.18	0.91	0.11	0.55	0.38	1.89	0.72	3.62	0.35	1.75
Asia Pacific Water	LTI:	0.07	0.37	0.05	0.23	0.11	0.55	0.02	0.12	0.05	0.26
	DART:	0.15	0.74	0.17	0.83	0.24	1.18	0.12	0.58	0.05	0.26
	RCRD:	0.20	0.99	0.22	1.11	0.42	2.09	0.18	0.92	0.10	0.51
South America Land	LTI:	0.13	0.63	0.04	0.20	0.35	1.77	0.22	1.09	0.31	1.57
	DART:	0.32	1.58	0.12	0.61	0.46	2.28	0.31	1.53	0.31	1.57
	RCRD:	0.59	2.94	0.25	1.23	0.46	2.28	0.39	1.97	0.42	2.09
South America Water	LTI:	0.10	0.50	0.07	0.33	0.12	0.61	0.13	0.66	0.10	0.52
	DART:	0.16	0.80	0.18	0.92	0.33	1.65	0.25	1.24	0.21	1.05
	RCRD:	0.28	1.38	0.27	1.33	0.54	2.69	0.37	1.87	0.39	1.97
Australasia Land	LTI:	0.39	1.96	0.63	3.13	0.31	1.54	0.10	0.49	0.13	0.64
	DART:	0.72	3.60	0.81	4.07	0.46	2.30	0.10	0.49	0.26	1.28
	RCRD:	1.37	6.87	1.06	5.32	0.77	3.84	0.29	1.46	0.77	3.84
Australasia Water	LTI:	0.00	0.00	0.32	1.62	0.07	0.37	0.19	0.97	0.09	0.45
	DART:	0.39	1.94	1.05	5.27	0.37	1.84	0.78	3.90	0.54	2.68
	RCRD:	0.77	3.87	1.38	6.89	0.96	4.79	1.07	5.36	0.89	4.47
INDUSTRY TOTALS	LTI:	0.13	0.67	0.14	0.72	0.20	0.98	0.16	0.81	0.12	0.58
	DART:	0.31	1.56	0.36	1.81	0.48	2.38	0.42	2.08	0.30	1.49
	RCRD:	0.46	2.29	0.51	2.56	0.66	3.29	0.57	2.83	0.44	2.19

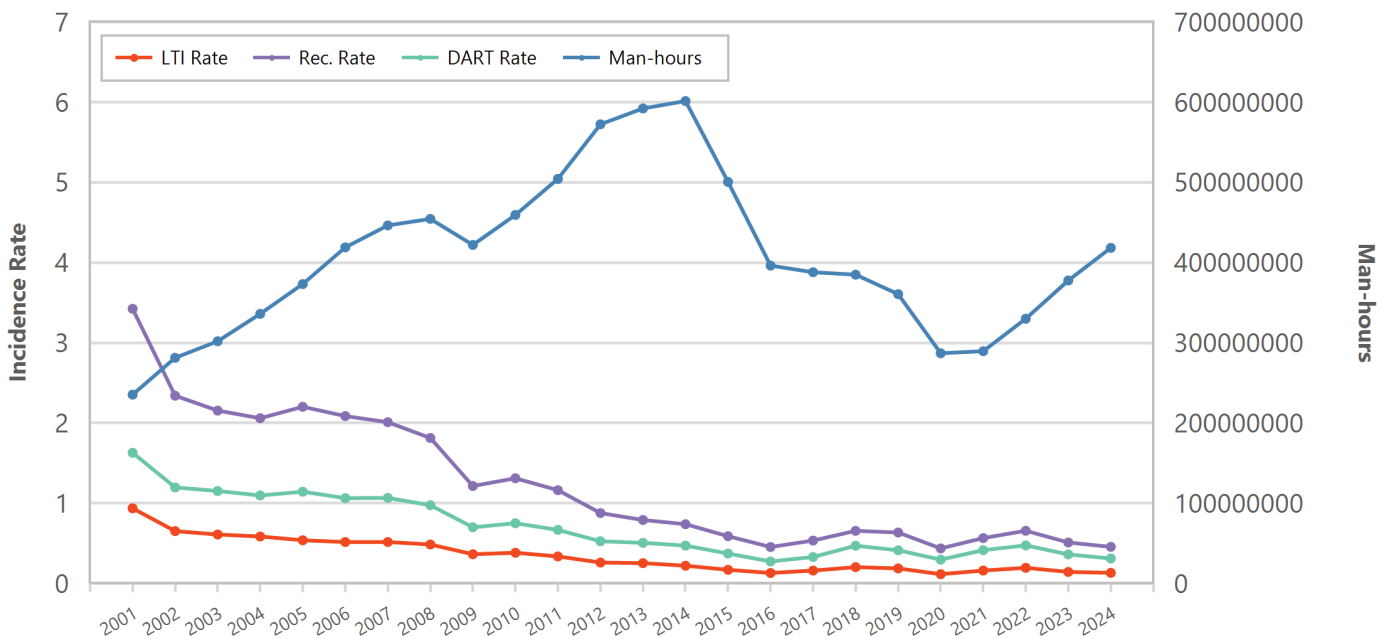
2024 - IADC Industry Totals (Table 3)

	LAND	WATER	COMBINED
TOTAL MAN-HOURS	238,283,621	180,091,727	418,375,348
TOTAL MEDICAL TREATMENT INCIDENTS	214	89	303
TOTAL RESTRICTED WORK INCIDENTS	263	111	374
TOTAL LOST TIME INCIDENTS	195	76	271
TOTAL FATALITIES	6	2	8
TOTAL RECORDABLES	678	278	956
MTO INCIDENCE RATE	0.18	0.10	0.14
RWC INCIDENCE RATE	0.22	0.12	0.18
LTI INCIDENCE RATE	0.17	0.09	0.13
LTI FREQUENCY RATE	0.84	0.43	0.67
DART INCIDENCE RATE	0.39	0.21	0.31
DART FREQUENCY RATE	1.95	1.05	1.56
RECORDABLE INCIDENCE RATE	0.57	0.31	0.46
RECORDABLE FREQUENCY RATE	2.85	1.54	2.29

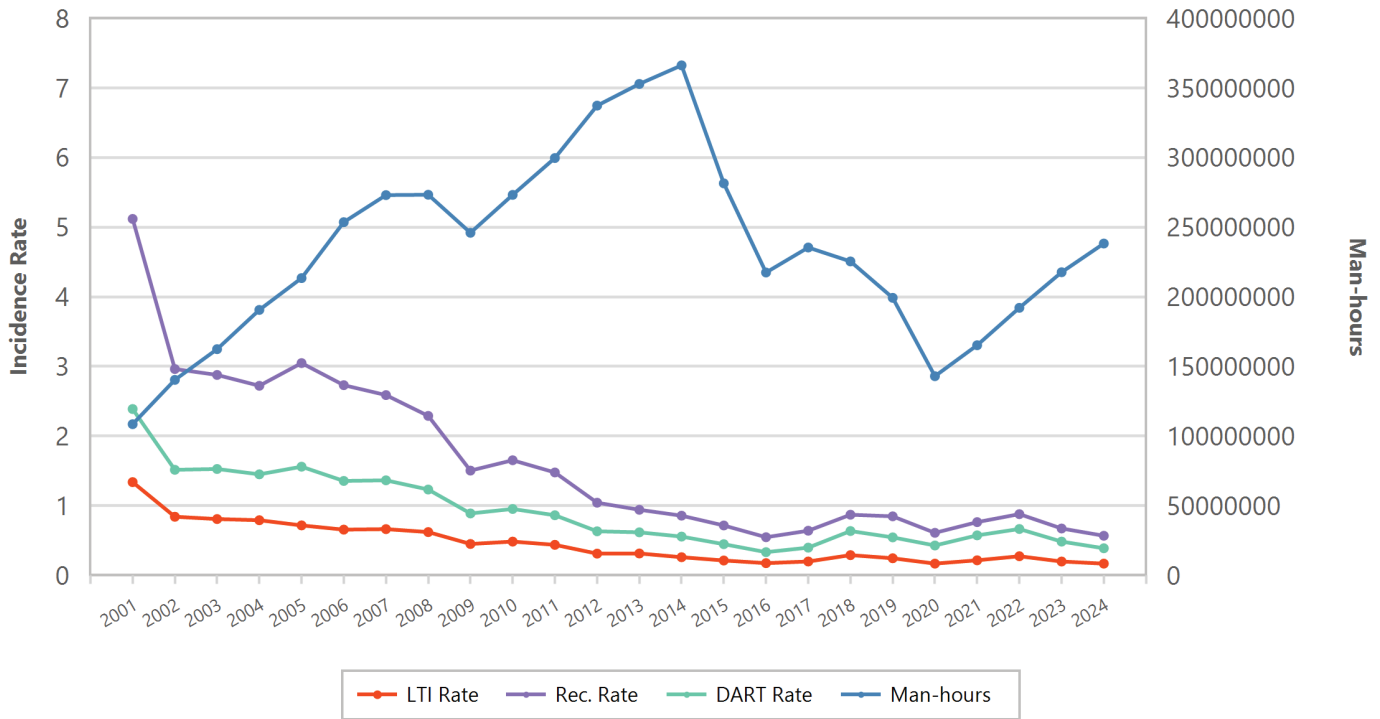
MEDICAL TREATMENT INCIDENCE RATE = MTOs X 200,000 / MAN-HOURS (LTIs NOT INCLUDED)
 RESTRICTED WORK INCIDENCE RATE = RWCs X 200,000 / MAN-HOURS (LTIs NOT INCLUDED)
 LOST TIME INCIDENCE RATE = (LTIs+FTLs) X 200,000 / MAN-HOURS
 LOST TIME FREQUENCY RATE = (LTIs+FTLs) X 1,000,000 / MAN-HOURS
 DART INCIDENCE RATE = (LTIs+FTLs+RWCs) X 200,000 / MAN-HOURS
 DART FREQUENCY RATE = (LTIs+FTLs+RWCs) X 1,000,000 / MAN-HOURS
 RECORDABLE INCIDENCE RATE = RECORDABLES X 200,000 / MAN-HOURS
 RECORDABLE FREQUENCY RATE = RECORDABLES X 1,000,000 / MAN-HOURS

Number of participating companies: 76 - Total; 53 - Land; 44 - Water
 Please note, some companies participate in both categories.

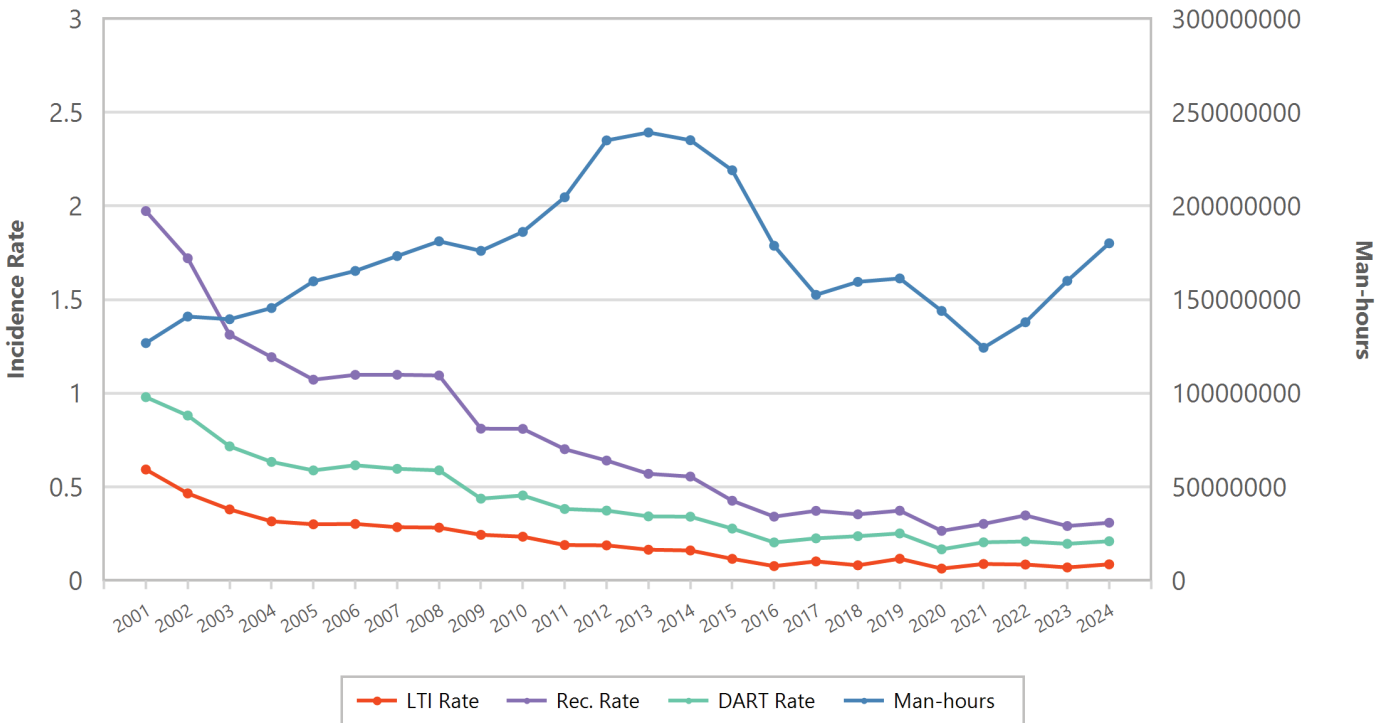
Total Industry LTI & Recordable Incidence Rates vs Man-hours (Figure 1)



Total Industry Land LTI & Recordable Incidence Rates vs Man-hours (Figure 2)



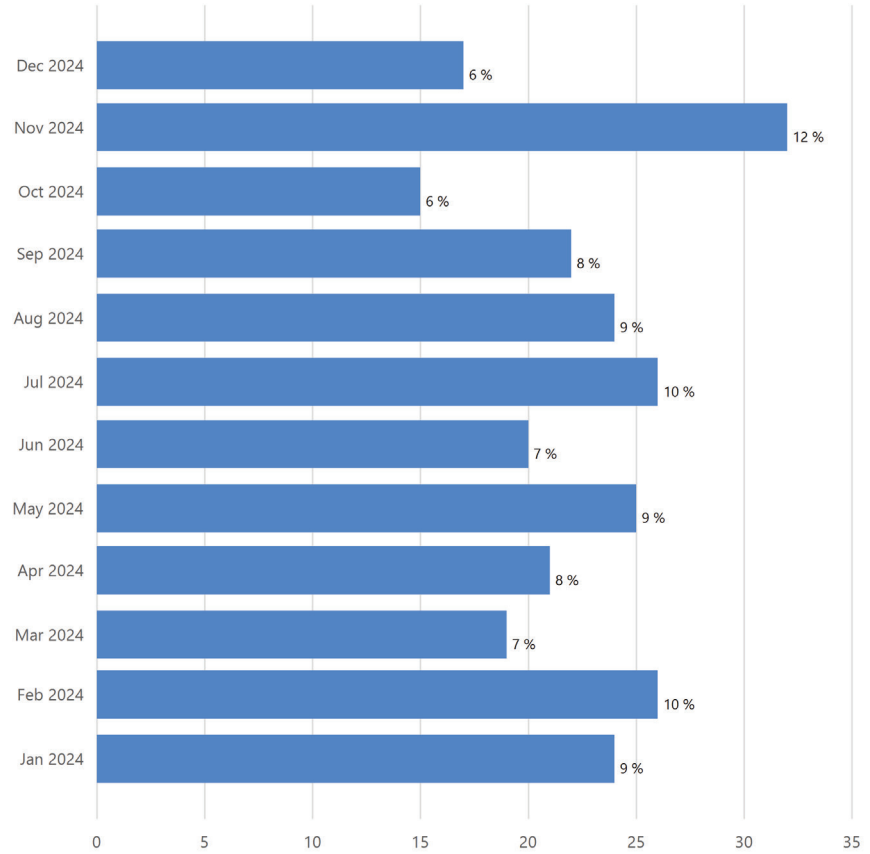
Total Industry Water LTI & Recordable Incidence Rates vs Man-hours (Figure 3)



IADC 2024 Total Industry Charts

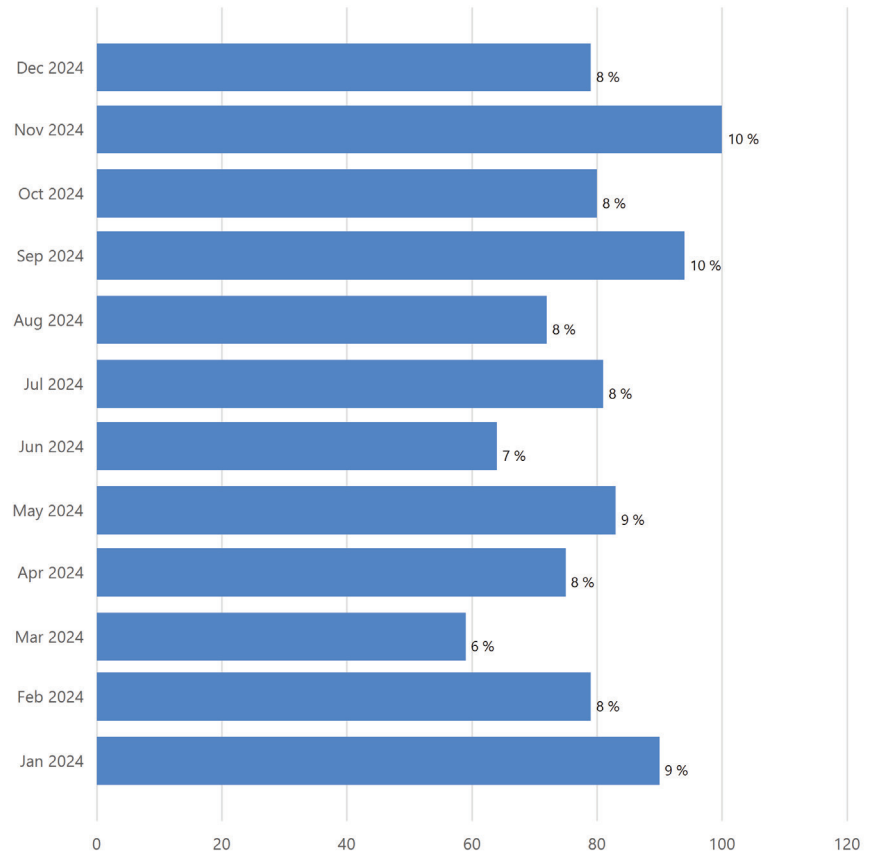
Total Industry Lost Time Incidents by Month (Chart 1)

Based on 271 Incidents

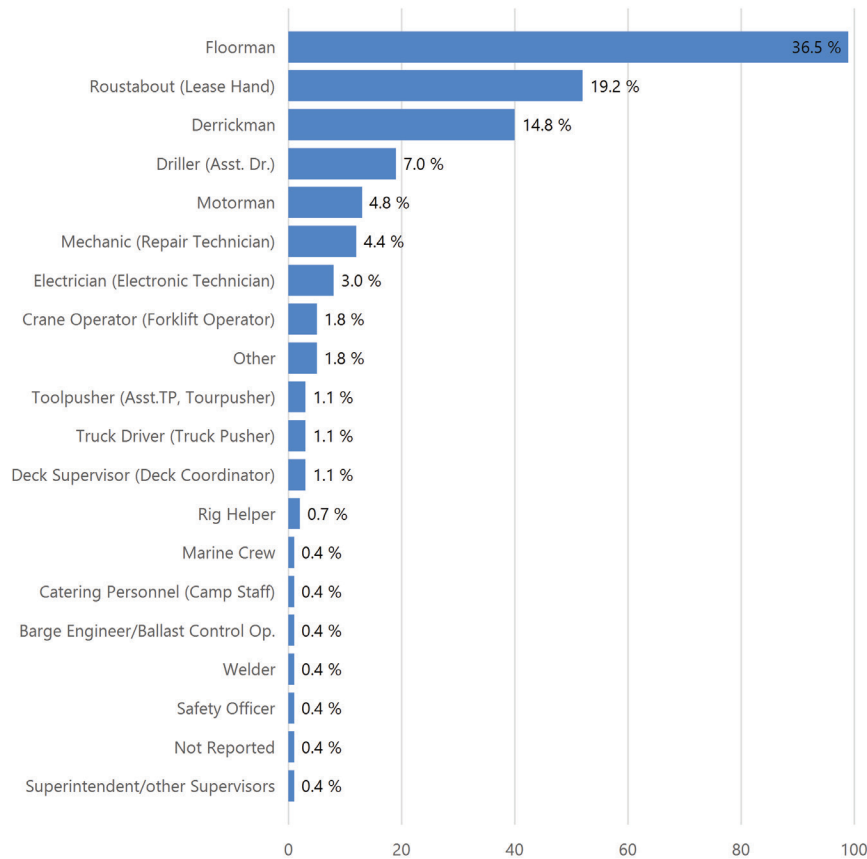


Total Industry Recordable Incidents by Month (Chart 2)

Based on 956 Incidents

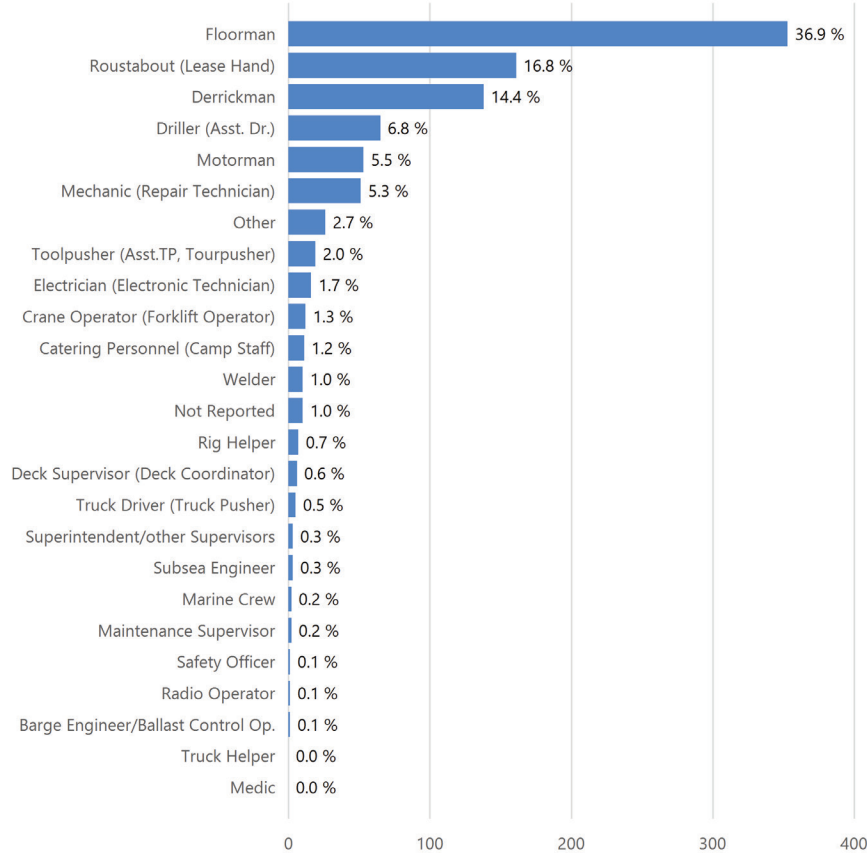


Total Industry Lost Time Incidents by Occupation (Chart 3)



Based on 271 Incidents

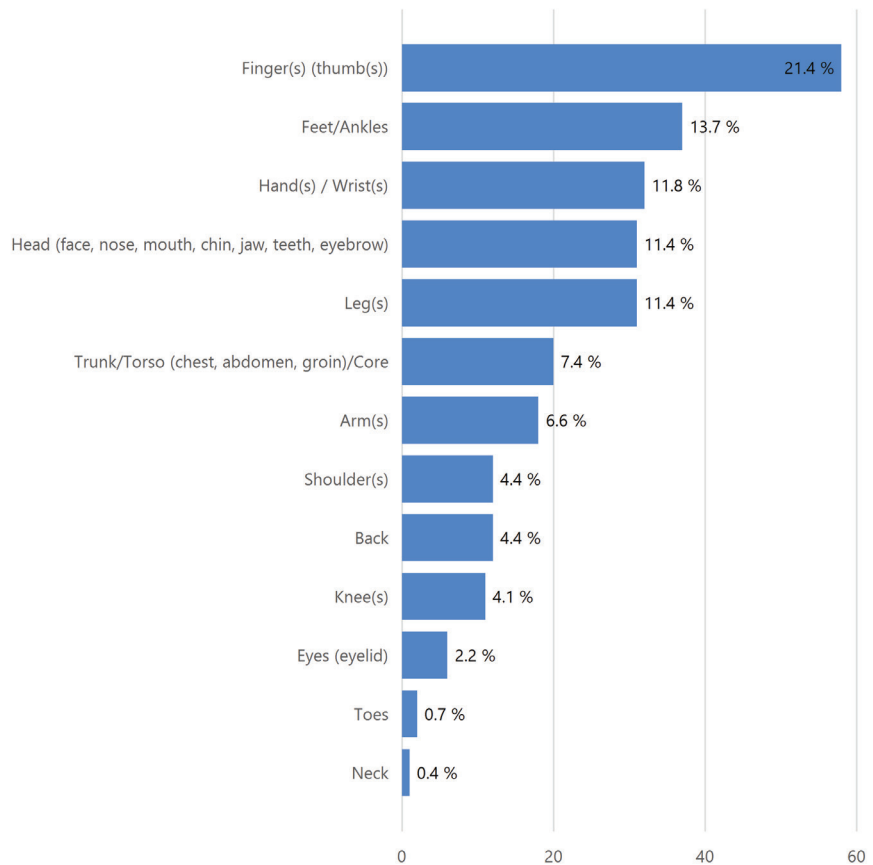
Total Industry Recordable Incidents by Occupation (Chart 4)



Based on 956 Incidents

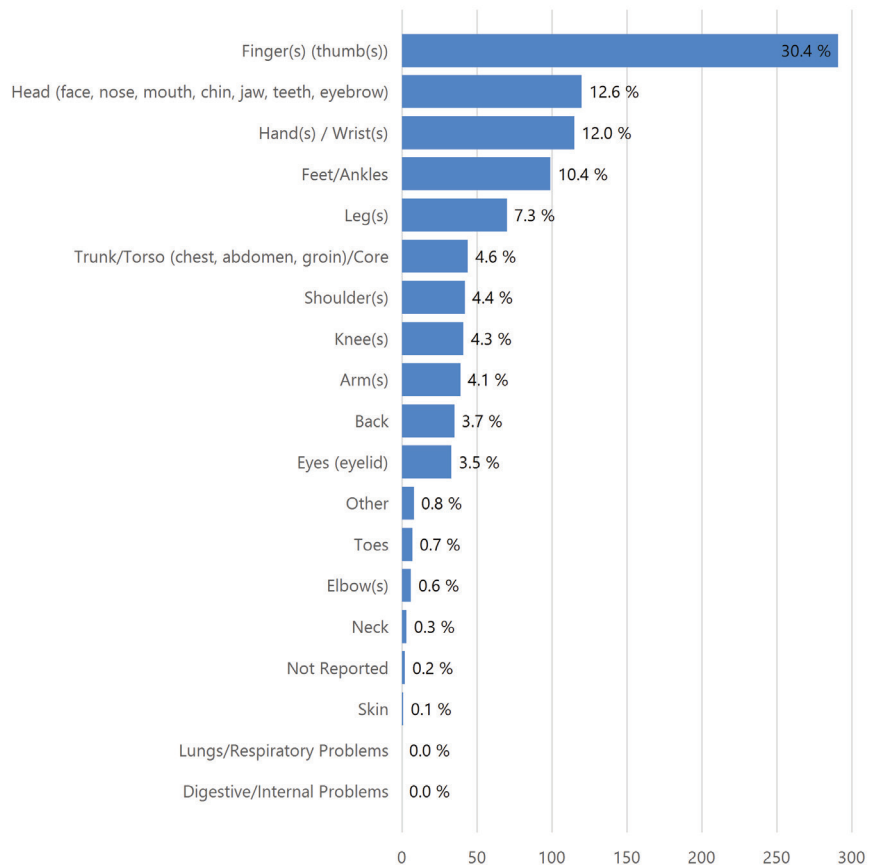
Total Industry Lost Time Incidents by Body Part (Chart 5)

Based on 271 Incidents

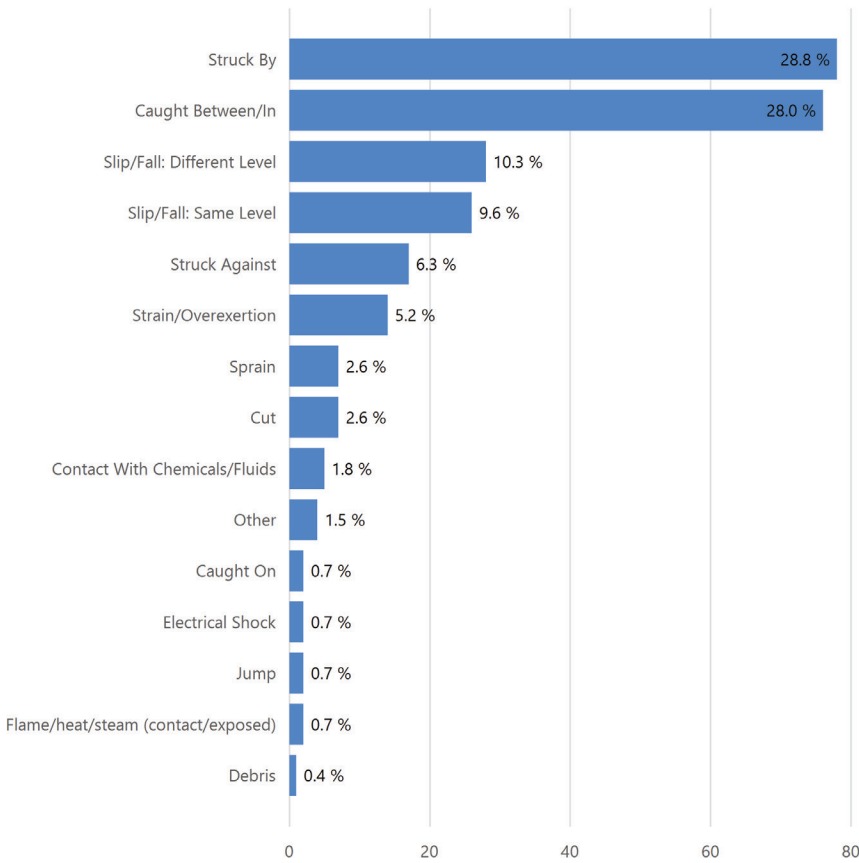


Total Industry Recordable Incidents by Body Part (Chart 6)

Based on 956 Incidents

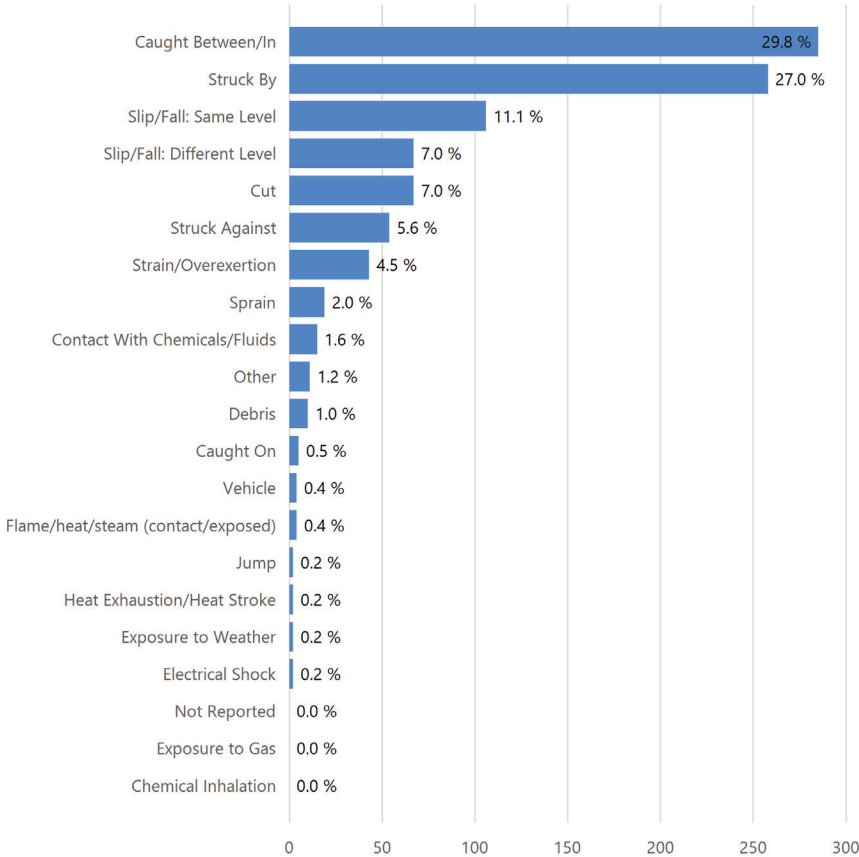


Total Industry Lost Time Incidents by Incident Type (Chart 7)



Based on 271 Incidents

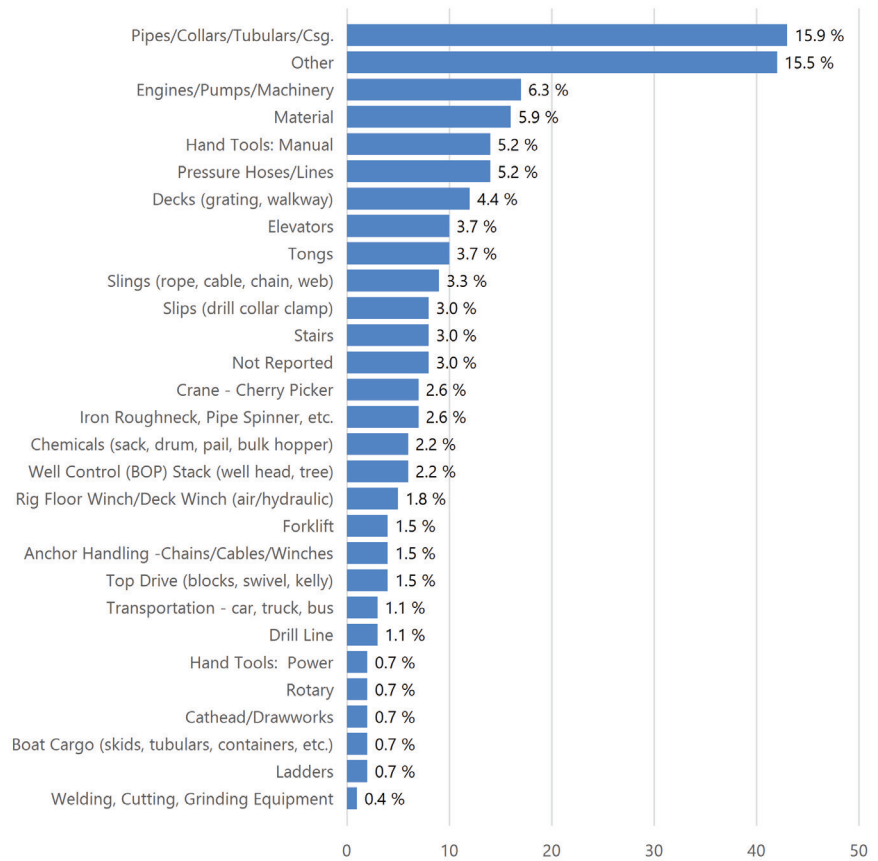
Total Industry Recordable Incidents by Incident Type (Chart 8)



Based on 956 Incidents

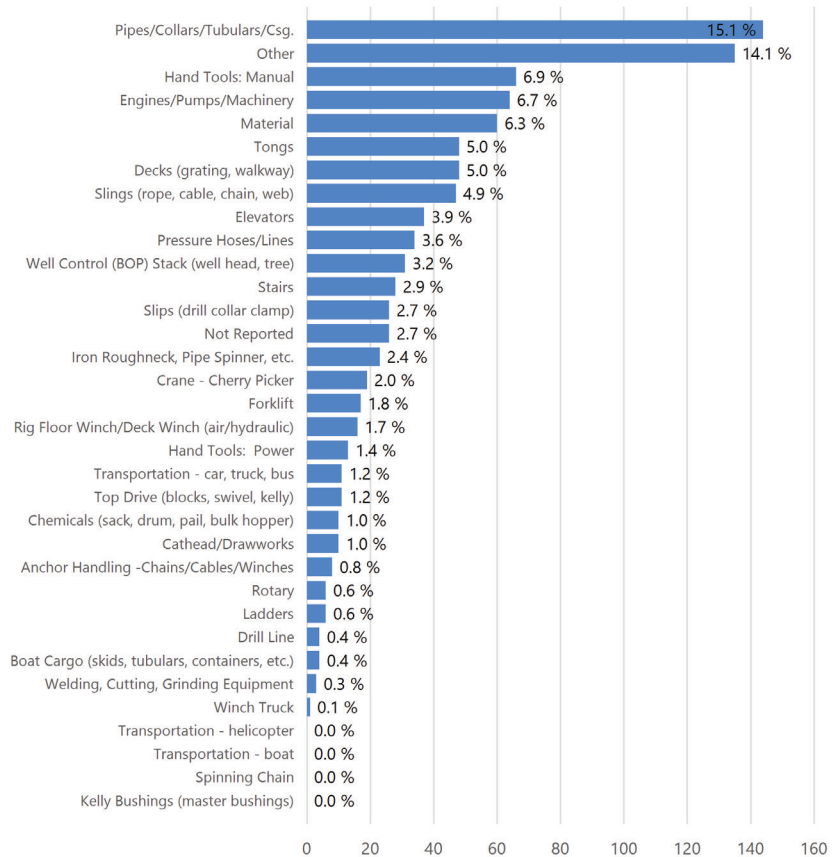
Total Industry Lost Time Incidents by Equipment (Chart 9)

Based on 271 Incidents

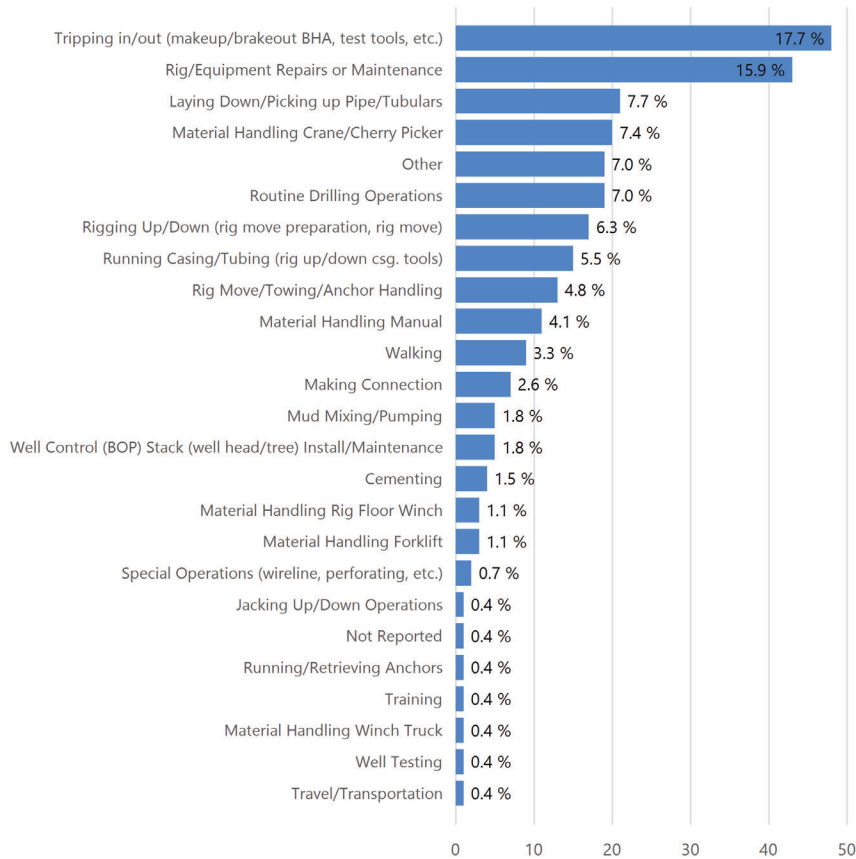


Total Industry Recordable Incidents by Equipment (Chart 10)

Based on 956 Incidents

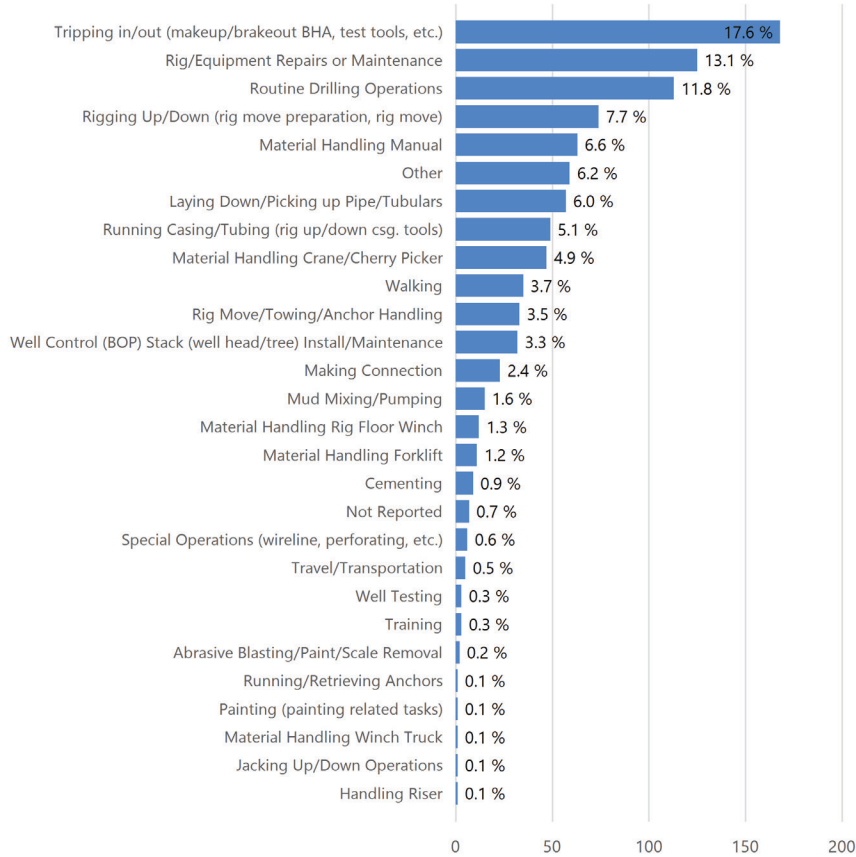


SUMMARY OF OCCUPATIONAL INCIDENTS



Total Industry Lost Time Incidents by Operation (Chart 11)

Based on 271 Incidents

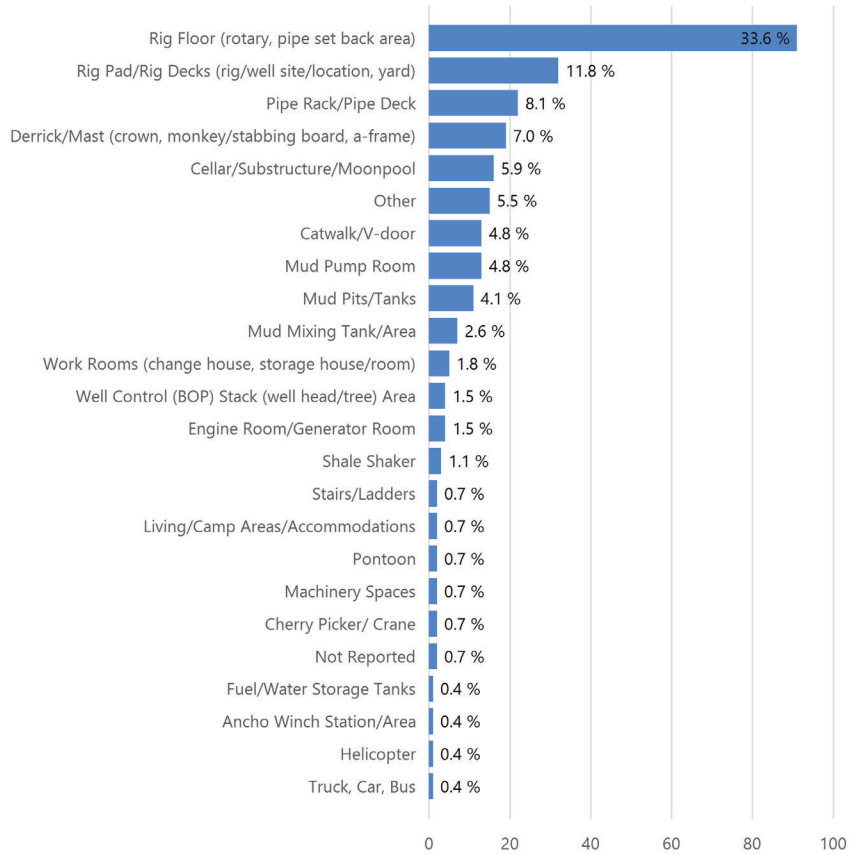


Total Industry Recordable Incidents by Operation (Chart 12)

Based on 956 Incidents

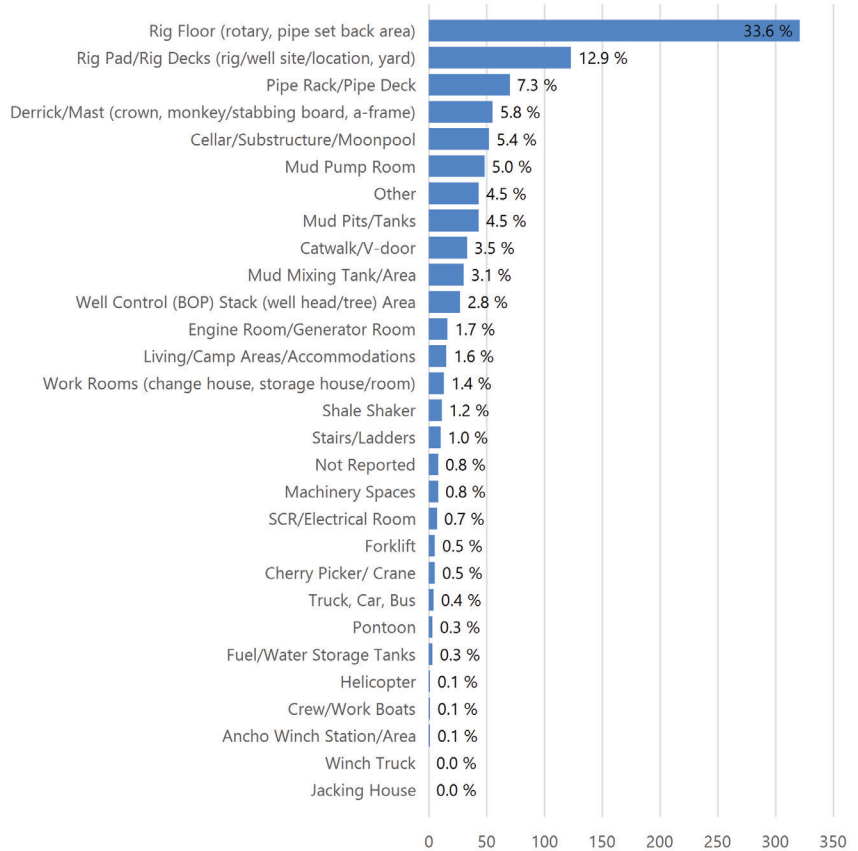
Total Industry Lost Time Incidents by Location (Chart 13)

Based on 271 Incidents



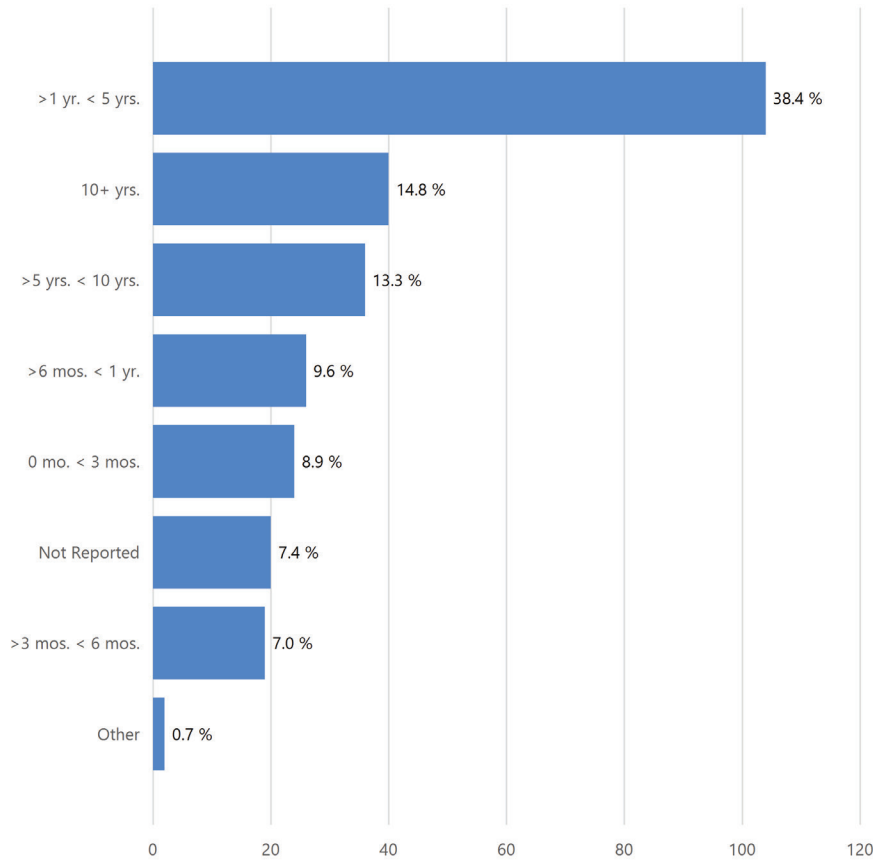
Total Industry Recordable Incidents by Location (Chart 14)

Based on 956 Incidents



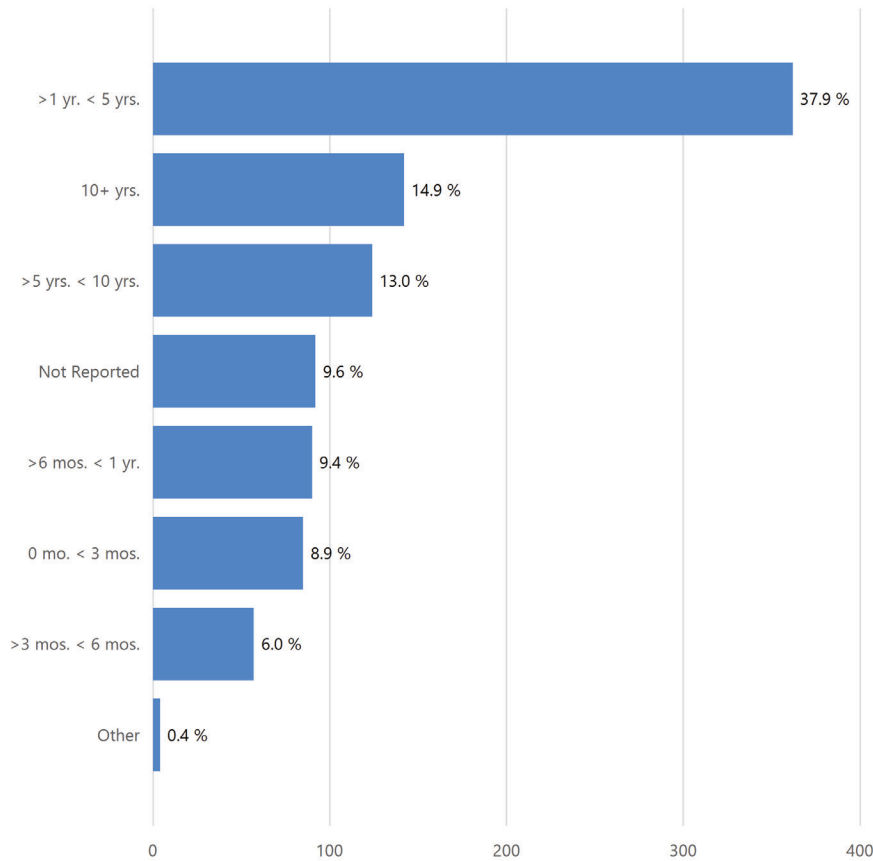
Total Industry Lost Time Incidents by Time in Service (Chart 15)

Based on 271 Incidents



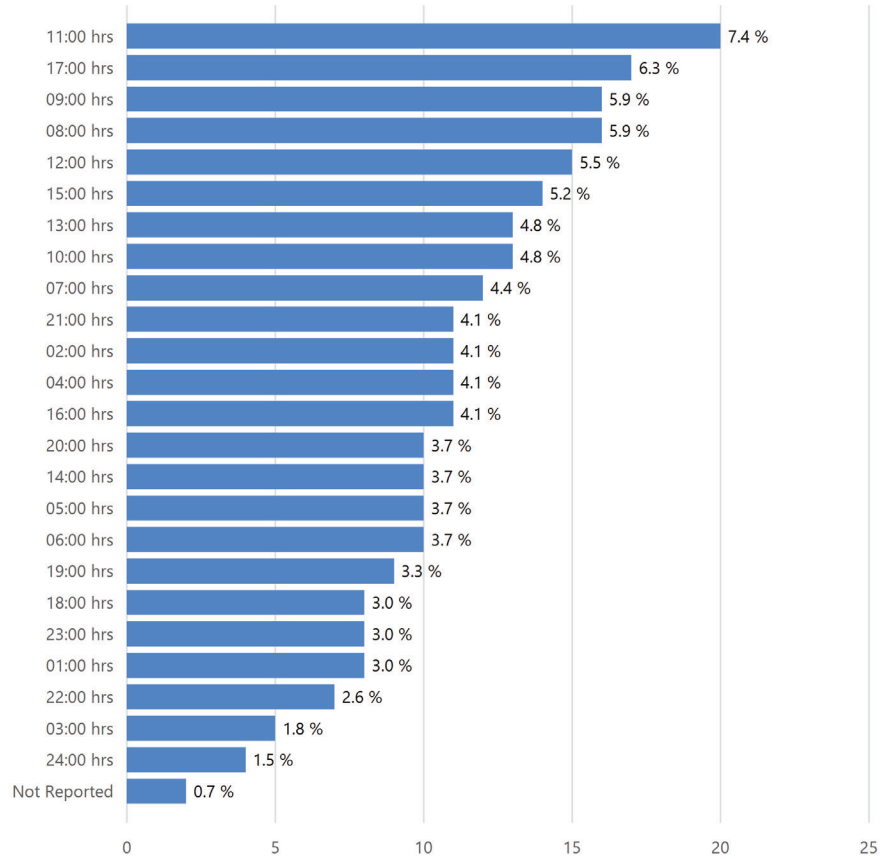
Total Industry Recordable Incidents by Time in Service (Chart 16)

Based on 956 Incidents



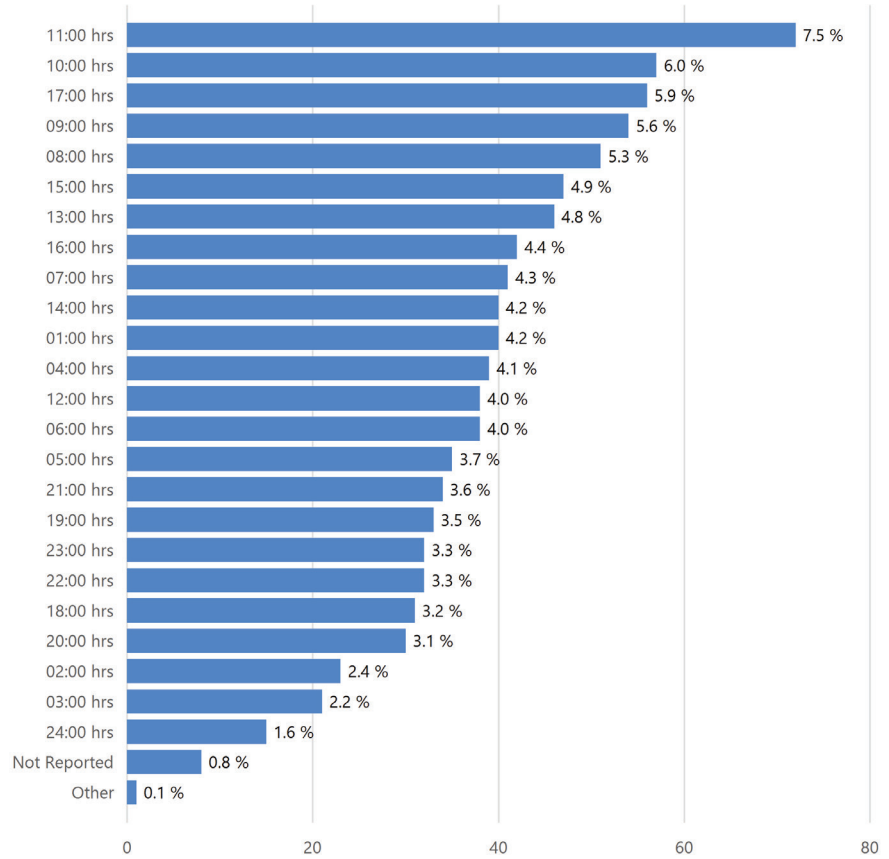
Total Industry Lost Time Incidents by Time of Day (Chart 17)

Based on 271 Incidents

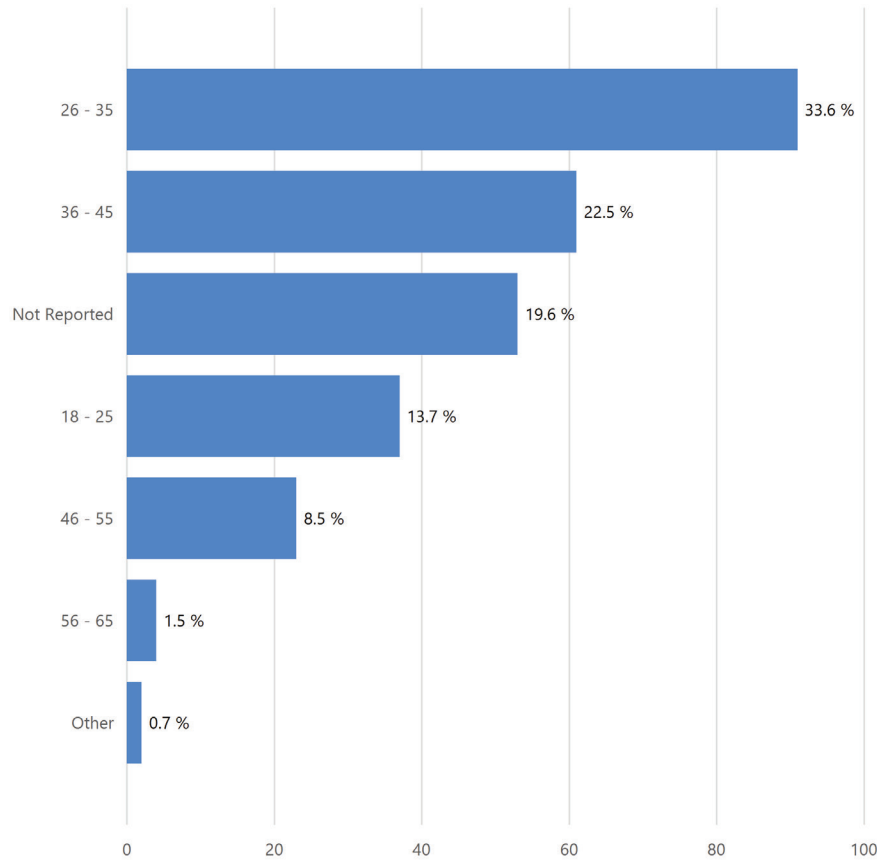


Total Industry Recordable Incidents by Time of Day (Chart 18)

Based on 956 Incidents

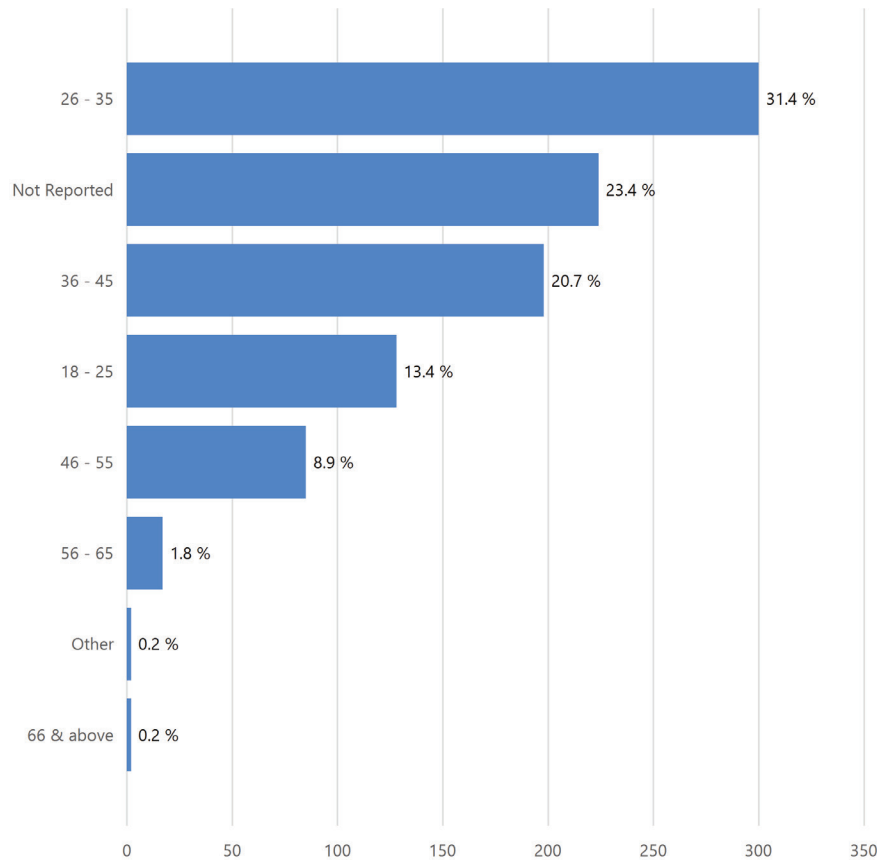


Total Industry Lost Time Incidents by Age (Chart 19)



Based on 271 Incidents

Total Industry Recordable Incidents by Age (Chart 20)



Based on 956 Incidents

2024 ISP Program Regional Totals

Combined Land & Water

IADC 2024 Africa Totals (Table 4)

	LAND	WATER	COMBINED
TOTAL MAN-HOURS	41,348,164	14,779,658	56,127,822
TOTAL MEDICAL TREATMENT INCIDENTS	39	3	42
TOTAL RESTRICTED WORK INCIDENTS	85	8	93
TOTAL LOST TIME INCIDENTS	55	7	62
TOTAL FATALITIES	0	0	0
TOTAL RECORDABLES	179	18	197
MTO INCIDENCE RATE	0.19	0.04	0.15
RWC INCIDENCE RATE	0.41	0.11	0.33
LTI INCIDENCE RATE	0.27	0.09	0.22
LTI FREQUENCY RATE	1.33	0.47	1.10
DART INCIDENCE RATE	0.68	0.20	0.55
DART FREQUENCY RATE	3.39	1.01	2.76
RECORDABLE INCIDENCE RATE	0.87	0.24	0.70
RECORDABLE FREQUENCY RATE	4.33	1.22	3.51

MEDICAL TREATMENT INCIDENCE RATE = MTOs X 200,000 / MAN-HOURS (LTIs NOT INCLUDED)

RESTRICTED WORK INCIDENCE RATE = RWCs X 200,000 / MAN-HOURS (LTIs NOT INCLUDED)

LOST TIME INCIDENCE RATE - (LTIs+FTLs) X 200,000 / MAN-HOURS

LOST TIME FREQUENCY RATE = (LTIs+FTLs) X 1,000,000 / MAN-HOURS

DART INCIDENCE RATE - (LTIs+FTLs+RWCs) X 200,000 / MAN-HOURS

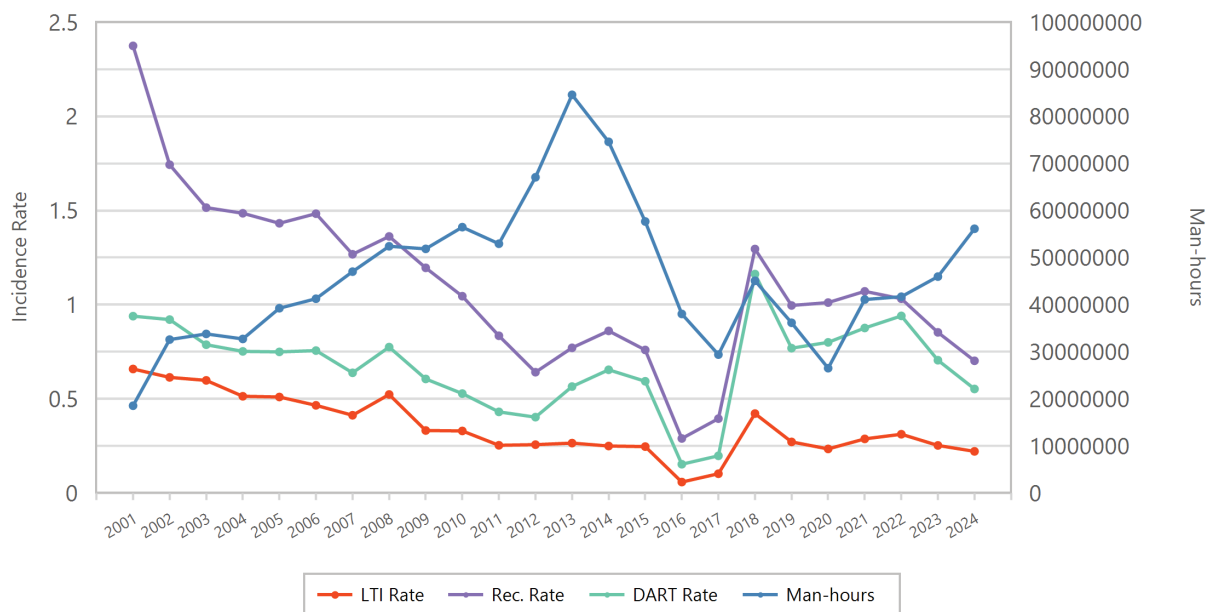
DART FREQUENCY RATE - (LTIs+FTLs+RWCs) X 1,000,000 / MAN-HOURS

RECORDABLE INCIDENCE RATE = RECORDABLES X 200,000 / MAN-HOURS

RECORDABLE FREQUENCY RATE = RECORDABLES X 1,000,000 / MAN-HOURS

Companies Reporting: Land - 8 Water - 13

Africa Total LTI & Recordable Incidence Rates vs Man-hours (Figure 4)



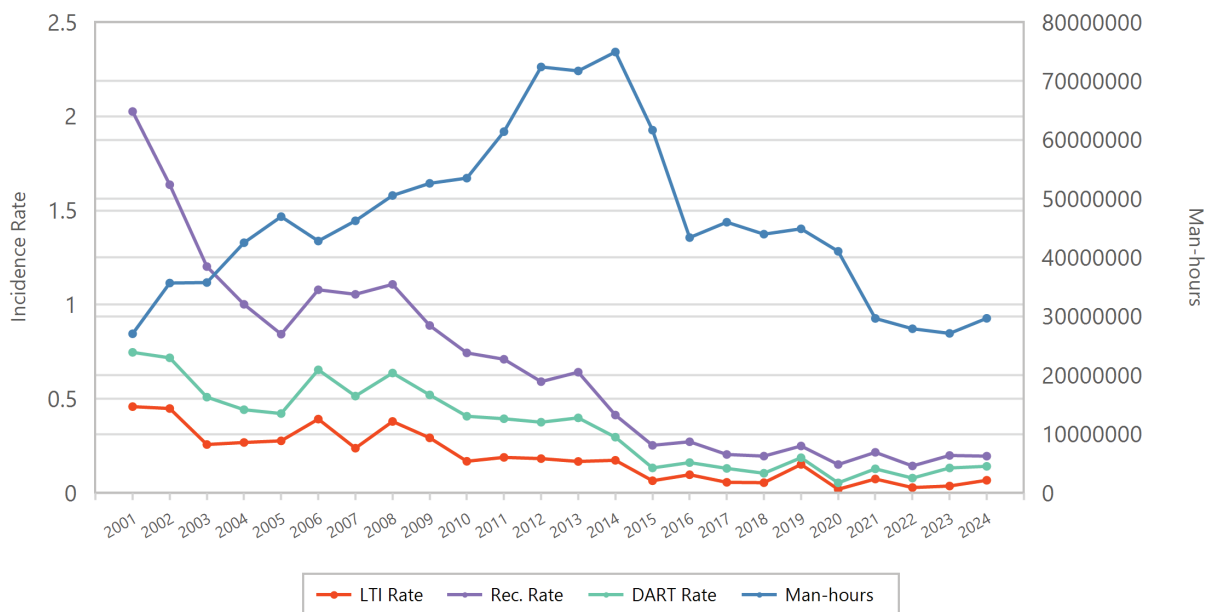
IADC 2024 Asia Pacific Totals (Table 5)

	LAND	WATER	COMBINED
TOTAL MAN-HOURS	5,472,944	24,207,681	29,680,625
TOTAL MEDICAL TREATMENT INCIDENTS	2	6	8
TOTAL RESTRICTED WORK INCIDENTS	2	9	11
TOTAL LOST TIME INCIDENTS	1	9	10
TOTAL FATALITIES	0	0	0
TOTAL RECORDABLES	5	24	29
MTO INCIDENCE RATE	0.07	0.05	0.05
RWC INCIDENCE RATE	0.07	0.07	0.07
LTI INCIDENCE RATE	0.04	0.07	0.07
LTI FREQUENCY RATE	0.18	0.37	0.34
DART INCIDENCE RATE	0.11	0.15	0.14
DART FREQUENCY RATE	0.55	0.74	0.71
RECORDABLE INCIDENCE RATE	0.18	0.20	0.20
RECORDABLE FREQUENCY RATE	0.91	0.99	0.98

MEDICAL TREATMENT INCIDENCE RATE = MTOs X 200,000 / MAN-HOURS (LTIs NOT INCLUDED)
 RESTRICTED WORK INCIDENCE RATE = RWCs X 200,000 / MAN-HOURS (LTIs NOT INCLUDED)
 LOST TIME INCIDENCE RATE = (LTIs+FTLs) X 200,000 / MAN-HOURS
 LOST TIME FREQUENCY RATE = (LTIs+FTLs) X 1,000,000 / MAN-HOURS
 DART INCIDENCE RATE = (LTIs+FTLs+RWCs) X 200,000 / MAN-HOURS
 DART FREQUENCY RATE = (LTIs+FTLs+RWCs) X 1,000,000 / MAN-HOURS
 RECORDABLE INCIDENCE RATE = RECORDABLES X 200,000 / MAN-HOURS
 RECORDABLE FREQUENCY RATE = RECORDABLES X 1,000,000 / MAN-HOURS

Companies Reporting: Land - 7 Water - 19

Asia Pacific Total LTI & Recordable Incidence Rates vs Man-hours (Figure 5)



IADC 2024 Australasia Totals (Table 6)

	LAND	WATER	COMBINED
TOTAL MAN-HOURS	3,057,731	3,097,234	6,154,965
TOTAL MEDICAL TREATMENT INCIDENTS	10	6	16
TOTAL RESTRICTED WORK INCIDENTS	5	6	11
TOTAL LOST TIME INCIDENTS	6	0	6
TOTAL FATALITIES	0	0	0
TOTAL RECORDABLES	21	12	33
MTO INCIDENCE RATE	0.65	0.39	0.52
RWC INCIDENCE RATE	0.33	0.39	0.36
LTI INCIDENCE RATE	0.39	0.00	0.19
LTI FREQUENCY RATE	1.96	0.00	0.97
DART INCIDENCE RATE	0.72	0.39	0.55
DART FREQUENCY RATE	3.60	1.94	2.76
RECORDABLE INCIDENCE RATE	1.37	0.77	1.07
RECORDABLE FREQUENCY RATE	6.87	3.87	5.36

MEDICAL TREATMENT INCIDENCE RATE = MTOs X 200,000 / MAN-HOURS (LTIs NOT INCLUDED)

RESTRICTED WORK INCIDENCE RATE = RWCs X 200,000 / MAN-HOURS (LTIs NOT INCLUDED)

LOST TIME INCIDENCE RATE -(LTIs+FTLs) X 200,000 / MAN-HOURS

LOST TIME FREQUENCY RATE =(LTIs+FTLs) X 1,000,000 / MAN-HOURS

DART INCIDENCE RATE - (LTIs+FTLs+RWCs) X 200,000 / MAN-HOURS

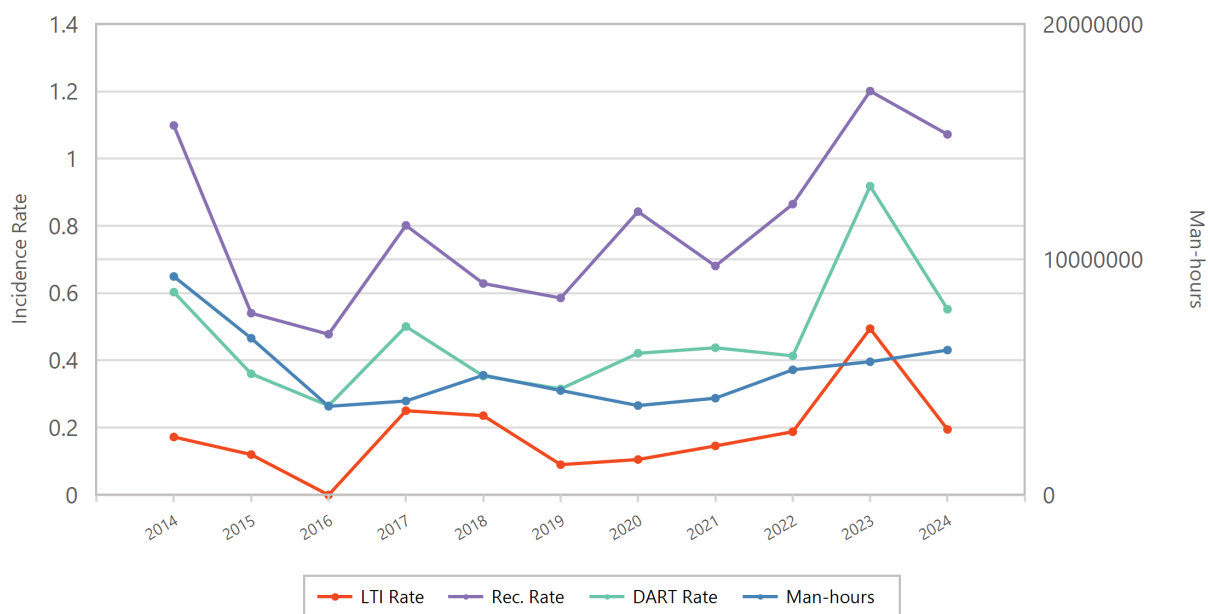
DART FREQUENCY RATE - (LTIs+FTLs+RWCs) X 1,000,000 / MAN-HOURS

RECORDABLE INCIDENCE RATE = RECORDABLES X 200,000 / MAN-HOURS

RECORDABLE FREQUENCY RATE = RECORDABLES X 1,000,000 / MAN-HOURS

Companies Reporting: Land - 5 Water - 4

Australasia Total LTI & Recordable Incidence Rates vs Man-hours (Figure 6)



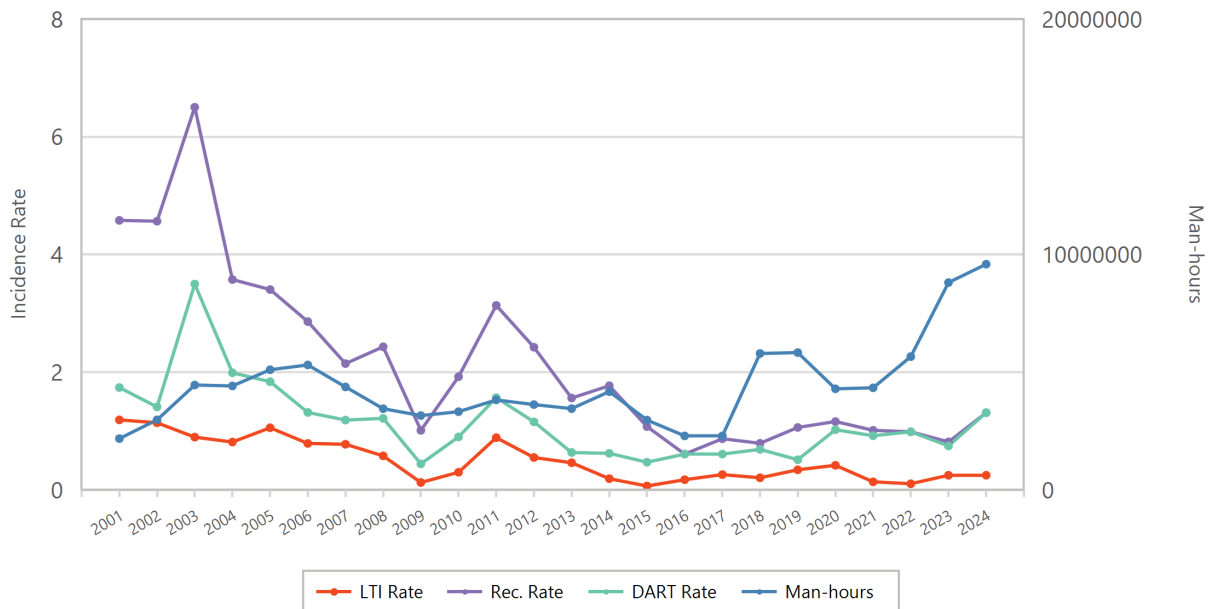
IADC 2024 Canada Totals (Table 7)

	LAND	WATER	COMBINED
TOTAL MAN-HOURS	8,871,507	720,761	9,592,268
TOTAL MEDICAL TREATMENT INCIDENTS	0	0	0
TOTAL RESTRICTED WORK INCIDENTS	50	1	51
TOTAL LOST TIME INCIDENTS	12	0	12
TOTAL FATALITIES	0	0	0
TOTAL RECORDABLES	62	1	63
MTO INCIDENCE RATE	0.00	0.00	0.00
RWC INCIDENCE RATE	1.13	0.28	1.06
LTI INCIDENCE RATE	0.27	0.00	0.25
LTI FREQUENCY RATE	1.35	0.00	1.25
DART INCIDENCE RATE	1.40	0.28	1.31
DART FREQUENCY RATE	6.99	1.39	6.57
RECORDABLE INCIDENCE RATE	1.40	0.28	1.31
RECORDABLE FREQUENCY RATE	6.99	1.39	6.57

MEDICAL TREATMENT INCIDENCE RATE = MTOs X 200,000 / MAN-HOURS (LTIs NOT INCLUDED)
 RESTRICTED WORK INCIDENCE RATE = RWCs X 200,000 / MAN-HOURS (LTIs NOT INCLUDED)
 LOST TIME INCIDENCE RATE -(LTIs+FTLs) X 200,000 / MAN-HOURS
 LOST TIME FREQUENCY RATE =(LTIs+FTLs) X 1,000,000 / MAN-HOURS
 DART INCIDENCE RATE - (LTIs+FTLs+RWCs) X 200,000 / MAN-HOURS
 DART FREQUENCY RATE - (LTIs+FTLs+RWCs) X 1,000,000 / MAN-HOURS
 RECORDABLE INCIDENCE RATE = RECORDABLES X 200,000 / MAN-HOURS
 RECORDABLE FREQUENCY RATE = RECORDABLES X 1,000,000 / MAN-HOURS

Companies Reporting: Land - 5 Water - 3

Canada Total LTI & Recordable Incidence Rates vs Man-hours (Figure 7)



IADC 2024 Central America & Caribbean Totals (Table 8)

	LAND	WATER	COMBINED
TOTAL MAN-HOURS	537,817	4,255,227	4,793,044
TOTAL MEDICAL TREATMENT INCIDENTS	0	1	1
TOTAL RESTRICTED WORK INCIDENTS	1	8	9
TOTAL LOST TIME INCIDENTS	0	4	4
TOTAL FATALITIES	0	1	1
TOTAL RECORDABLES	1	14	15
MTO INCIDENCE RATE	0.00	0.05	0.04
RWC INCIDENCE RATE	0.37	0.38	0.38
LTI INCIDENCE RATE	0.00	0.24	0.21
LTI FREQUENCY RATE	0.00	1.18	1.04
DART INCIDENCE RATE	0.37	0.61	0.58
DART FREQUENCY RATE	1.86	3.06	2.92
RECORDABLE INCIDENCE RATE	0.37	0.66	0.63
RECORDABLE FREQUENCY RATE	1.86	3.29	3.13

MEDICAL TREATMENT INCIDENCE RATE = MTOs X 200,000 / MAN-HOURS (LTIs NOT INCLUDED)

RESTRICTED WORK INCIDENCE RATE = RWCs X 200,000 / MAN-HOURS (LTIs NOT INCLUDED)

LOST TIME INCIDENCE RATE -(LTIs+FTLs) X 200,000 / MAN-HOURS

LOST TIME FREQUENCY RATE =(LTIs+FTLs) X 1,000,000 / MAN-HOURS

DART INCIDENCE RATE - (LTIs+FTLs+RWCs) X 200,000 / MAN-HOURS

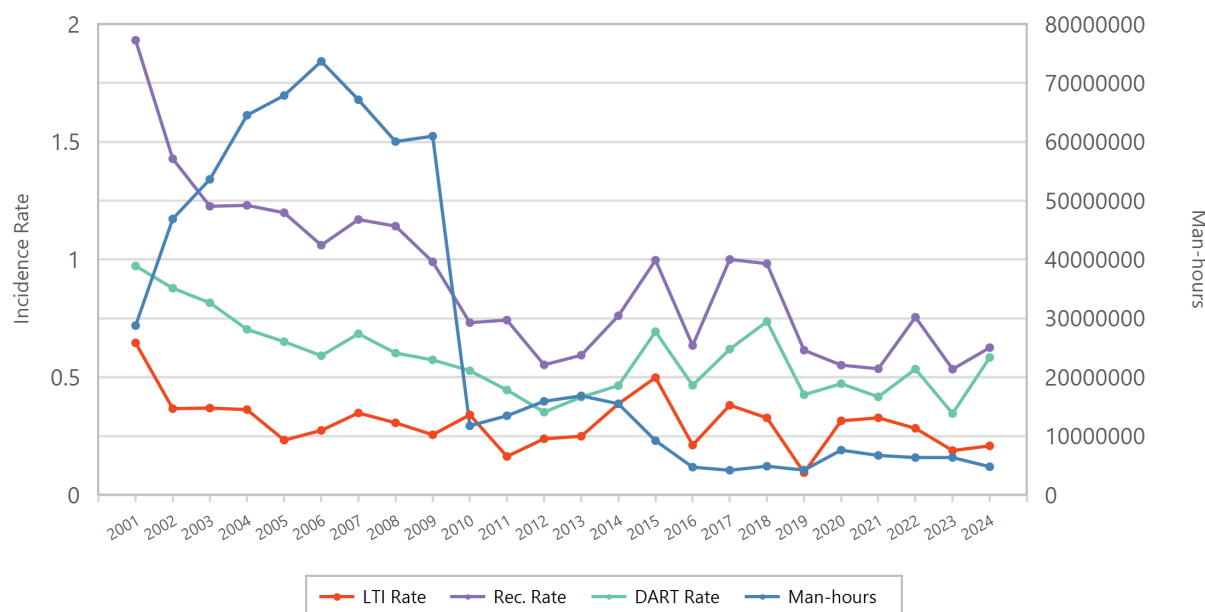
DART FREQUENCY RATE - (LTIs+FTLs+RWCs) X 1,000,000 / MAN-HOURS

RECORDABLE INCIDENCE RATE = RECORDABLES X 200,000 / MAN-HOURS

RECORDABLE FREQUENCY RATE = RECORDABLES X 1,000,000 / MAN-HOURS

Companies Reporting: Land - 4 Water - 7

Central America & Caribbean Total LTI & Recordable Incidence Rates vs Man-hours (Figure 8)



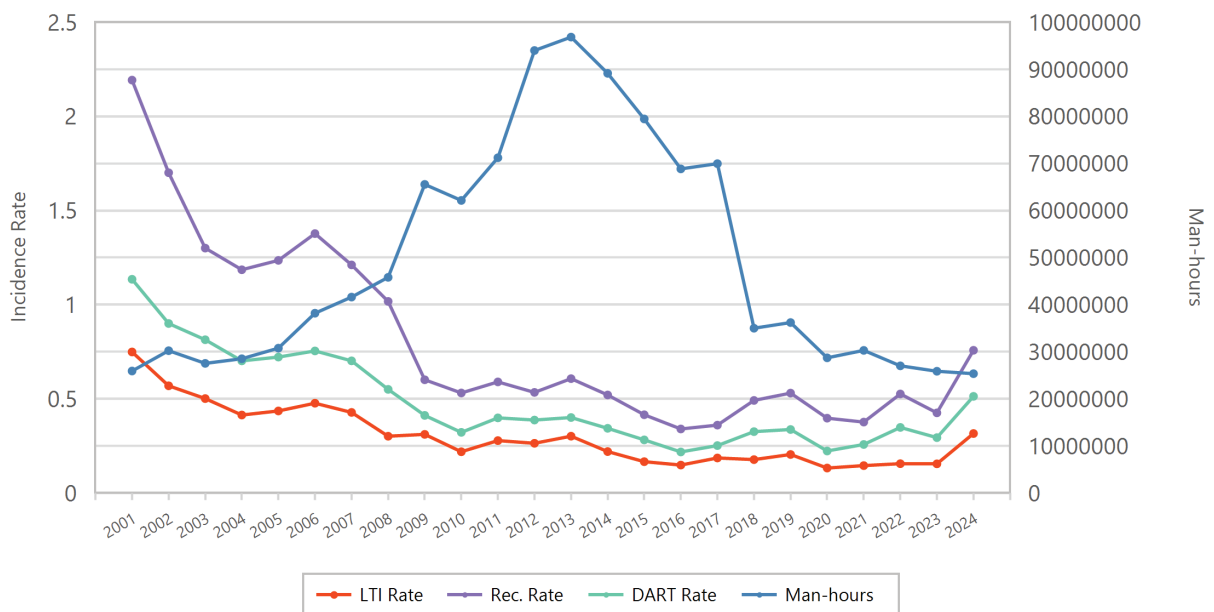
IADC 2024 European Totals (Table 9)

	LAND	WATER	COMBINED
TOTAL MAN-HOURS	4,161,220	21,175,168	25,336,388
TOTAL MEDICAL TREATMENT INCIDENTS	2	29	31
TOTAL RESTRICTED WORK INCIDENTS	3	22	25
TOTAL LOST TIME INCIDENTS	20	20	40
TOTAL FATALITIES	0	0	0
TOTAL RECORDABLES	25	71	96
MTO INCIDENCE RATE	0.10	0.27	0.24
RWC INCIDENCE RATE	0.14	0.21	0.20
LTI INCIDENCE RATE	0.96	0.19	0.32
LTI FREQUENCY RATE	4.81	0.94	1.58
DART INCIDENCE RATE	1.11	0.40	0.51
DART FREQUENCY RATE	5.53	1.98	2.57
RECORDABLE INCIDENCE RATE	1.20	0.67	0.76
RECORDABLE FREQUENCY RATE	6.01	3.35	3.79

MEDICAL TREATMENT INCIDENCE RATE = MTOs X 200,000 / MAN-HOURS (LTIs NOT INCLUDED)
 RESTRICTED WORK INCIDENCE RATE = RWCs X 200,000 / MAN-HOURS (LTIs NOT INCLUDED)
 LOST TIME INCIDENCE RATE -(LTIs+FTLs) X 200,000 / MAN-HOURS
 LOST TIME FREQUENCY RATE =(LTIs+FTLs) X 1,000,000 / MAN-HOURS
 DART INCIDENCE RATE - (LTIs+FTLs+RWCs) X 200,000 / MAN-HOURS
 DART FREQUENCY RATE - (LTIs+FTLs+RWCs) X 1,000,000 / MAN-HOURS
 RECORDABLE INCIDENCE RATE = RECORDABLES X 200,000 / MAN-HOURS
 RECORDABLE FREQUENCY RATE = RECORDABLES X 1,000,000 / MAN-HOURS

Companies Reporting: Land – 5 Water – 13

European Total LTI & Recordable Incidence Rates vs Man-hours (Figure 9)



IADC 2024 Middle East Totals (Table 10)

	LAND	WATER	COMBINED
TOTAL MAN-HOURS	120,382,438	72,307,435	192,689,873
TOTAL MEDICAL TREATMENT INCIDENTS	23	14	37
TOTAL RESTRICTED WORK INCIDENTS	24	31	55
TOTAL LOST TIME INCIDENTS	25	15	40
TOTAL FATALITIES	3	1	4
TOTAL RECORDABLES	75	61	136
MTO INCIDENCE RATE	0.04	0.04	0.04
RWC INCIDENCE RATE	0.04	0.09	0.06
LTI INCIDENCE RATE	0.05	0.04	0.05
LTI FREQUENCY RATE	0.23	0.22	0.23
DART INCIDENCE RATE	0.09	0.13	0.10
DART FREQUENCY RATE	0.43	0.65	0.51
RECORDABLE INCIDENCE RATE	0.12	0.17	0.14
RECORDABLE FREQUENCY RATE	0.62	0.84	0.71

MEDICAL TREATMENT INCIDENCE RATE = MTOs X 200,000 / MAN-HOURS (LTIs NOT INCLUDED)

RESTRICTED WORK INCIDENCE RATE = RWCs X 200,000 / MAN-HOURS (LTIs NOT INCLUDED)

LOST TIME INCIDENCE RATE -(LTIs+FTLs) X 200,000 / MAN-HOURS

LOST TIME FREQUENCY RATE =(LTIs+FTLs) X 1,000,000 / MAN-HOURS

DART INCIDENCE RATE - (LTIs+FTLs+RWCs) X 200,000 / MAN-HOURS

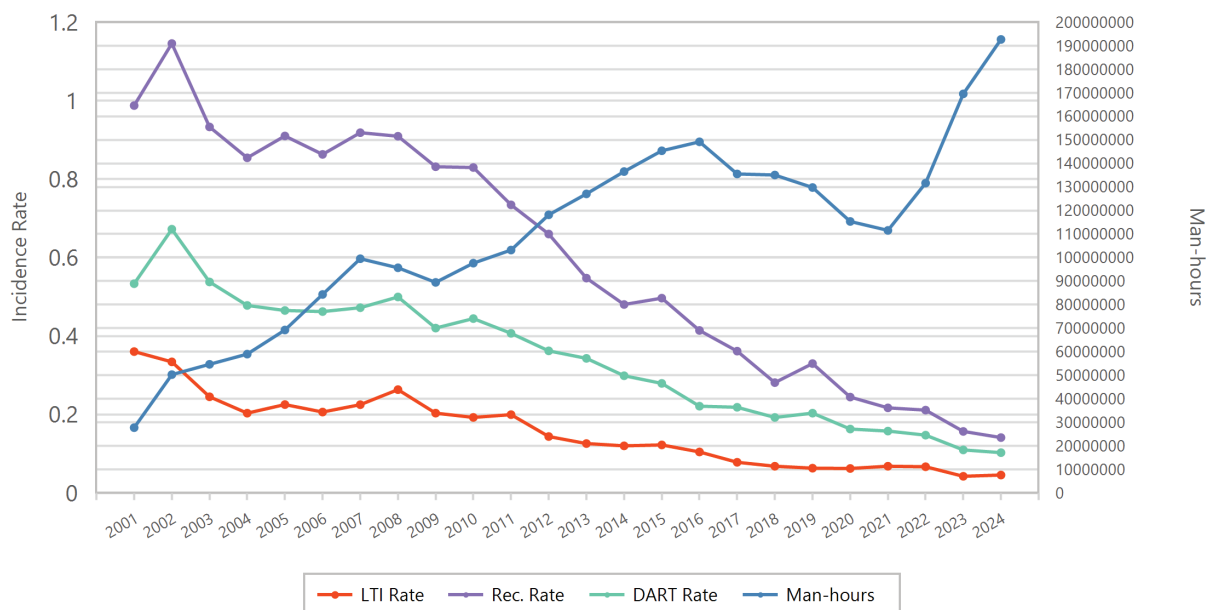
DART FREQUENCY RATE - (LTIs+FTLs+RWCs) X 1,000,000 / MAN-HOURS

RECORDABLE INCIDENCE RATE = RECORDABLES X 200,000 / MAN-HOURS

RECORDABLE FREQUENCY RATE = RECORDABLES X 1,000,000 / MAN-HOURS

Companies Reporting: Land – 21 Water – 21

Middle East Total LTI & Recordable Incidence Rates vs Man-hours (Figure 10)



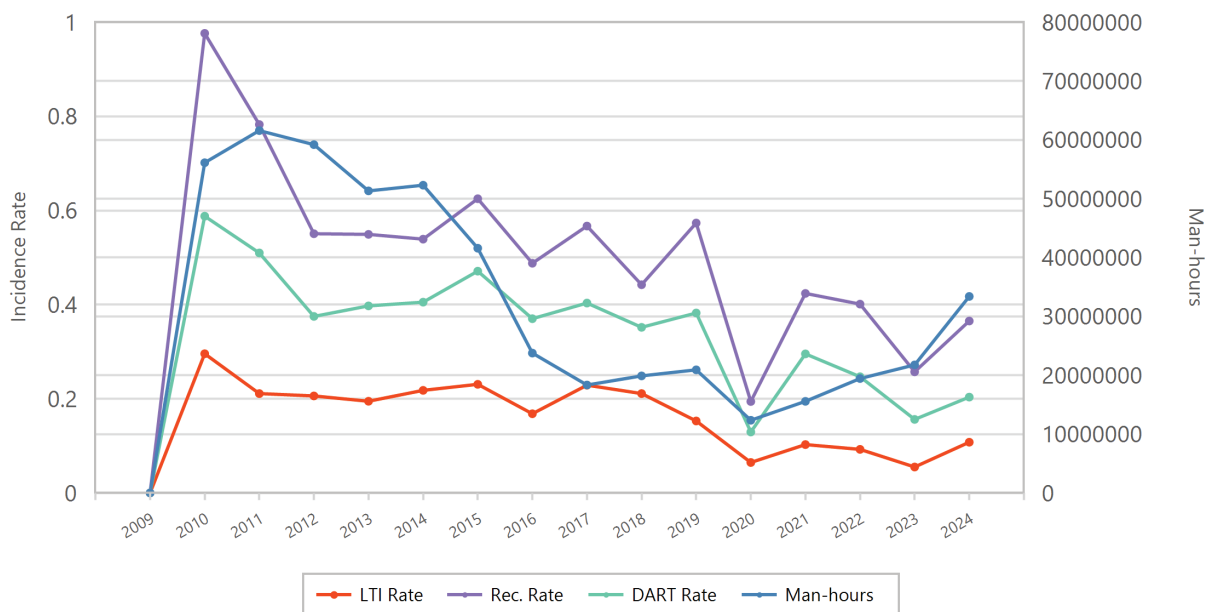
IADC 2024 South American Totals (Table 11)

	LAND	WATER	COMBINED
TOTAL MAN-HOURS	9,521,492	23,874,093	33,395,585
TOTAL MEDICAL TREATMENT INCIDENTS	13	14	27
TOTAL RESTRICTED WORK INCIDENTS	9	7	16
TOTAL LOST TIME INCIDENTS	5	12	17
TOTAL FATALITIES	1	0	1
TOTAL RECORDABLES	28	33	61
MTO INCIDENCE RATE	0.27	0.12	0.16
RWC INCIDENCE RATE	0.19	0.06	0.10
LTI INCIDENCE RATE	0.13	0.10	0.11
LTI FREQUENCY RATE	0.63	0.50	0.54
DART INCIDENCE RATE	0.32	0.16	0.20
DART FREQUENCY RATE	1.58	0.80	1.02
RECORDABLE INCIDENCE RATE	0.59	0.28	0.37
RECORDABLE FREQUENCY RATE	2.94	1.38	1.83

MEDICAL TREATMENT INCIDENCE RATE = MTOs X 200,000 / MAN-HOURS (LTIs NOT INCLUDED)
 RESTRICTED WORK INCIDENCE RATE = RWCs X 200,000 / MAN-HOURS (LTIs NOT INCLUDED)
 LOST TIME INCIDENCE RATE -(LTIs+FTLs) X 200,000 / MAN-HOURS
 LOST TIME FREQUENCY RATE =(LTIs+FTLs) X 1,000,000 / MAN-HOURS
 DART INCIDENCE RATE - (LTIs+FTLs+RWCs) X 200,000 / MAN-HOURS
 DART FREQUENCY RATE - (LTIs+FTLs+RWCs) X 1,000,000 / MAN-HOURS
 RECORDABLE INCIDENCE RATE = RECORDABLES X 200,000 / MAN-HOURS
 RECORDABLE FREQUENCY RATE = RECORDABLES X 1,000,000 / MAN-HOURS

Companies Reporting: Land - 7 Water - 7

South America Total LTI & Recordable Incidence Rates vs Man-hours (Figure 11)



IADC 2024 US Totals (Table 12)

	LAND	WATER	COMBINED
TOTAL MAN-HOURS	44,930,308	15,674,470	60,604,778
TOTAL MEDICAL TREATMENT INCIDENTS	125	16	141
TOTAL RESTRICTED WORK INCIDENTS	84	19	103
TOTAL LOST TIME INCIDENTS	71	9	80
TOTAL FATALITIES	2	0	2
TOTAL RECORDABLES	282	44	326
MTO INCIDENCE RATE	0.56	0.20	0.47
RWC INCIDENCE RATE	0.37	0.24	0.34
LTI INCIDENCE RATE	0.32	0.11	0.27
LTI FREQUENCY RATE	1.62	0.57	1.35
DART INCIDENCE RATE	0.70	0.36	0.61
DART FREQUENCY RATE	3.49	1.79	3.05
RECORDABLE INCIDENCE RATE	1.26	0.56	1.08
RECORDABLE FREQUENCY RATE	6.28	2.81	5.38

MEDICAL TREATMENT INCIDENCE RATE = MTOs X 200,000 / MAN-HOURS (LTIs NOT INCLUDED)

RESTRICTED WORK INCIDENCE RATE = RWCs X 200,000 / MAN-HOURS (LTIs NOT INCLUDED)

LOST TIME INCIDENCE RATE - (LTIs+FTLs) X 200,000 / MAN-HOURS

LOST TIME FREQUENCY RATE = (LTIs+FTLs) X 1,000,000 / MAN-HOURS

DART INCIDENCE RATE - (LTIs+FTLs+RWCs) X 200,000 / MAN-HOURS

DART FREQUENCY RATE - (LTIs+FTLs+RWCs) X 1,000,000 / MAN-HOURS

RECORDABLE INCIDENCE RATE = RECORDABLES X 200,000 / MAN-HOURS

RECORDABLE FREQUENCY RATE = RECORDABLES X 1,000,000 / MAN-HOURS

Companies Reporting: Land - 20 Water - 11

US Total LTI & Recordable Incidence Rates vs Man-hours (Figure 12)

