

# 2023 Safety statistics

May 2024

# 2023 at a glance



**958**  
Total million hours  
2022: 629 million hours

**490**  
Million hours offshore  
2022: 343 million hours



**Line of fire**  
Most common  
cause of LTIs

**6** fatalities reported  
2022: 6



**439**  
Safety Observation Frequency Rate  
2022: 424, was 517 (error discovered)



**LTIFR**  
Lost Time Injury frequency Rate  
(Fatalities + LTIs) x 1,000,000 / Total hours worked

**0.30**  
Total LTIFR  
2022: 0.32

**0.41**  
Offshore LTIFR  
2022: 0.39



**TRIR**  
Total Recordable Injury Rate  
(Fatalities + LTIs + Restricted Work Cases + Medical Treatment cases) x 1,000,000 / Total hours worked

**1.07**  
Total TRIR  
2022: 1.10

**1.47**  
Offshore TRIR  
2022: 1.45



**FAR**  
Fatal Accident Rate  
(FAR = Fatalities x 100,000,000 / Total hours worked)

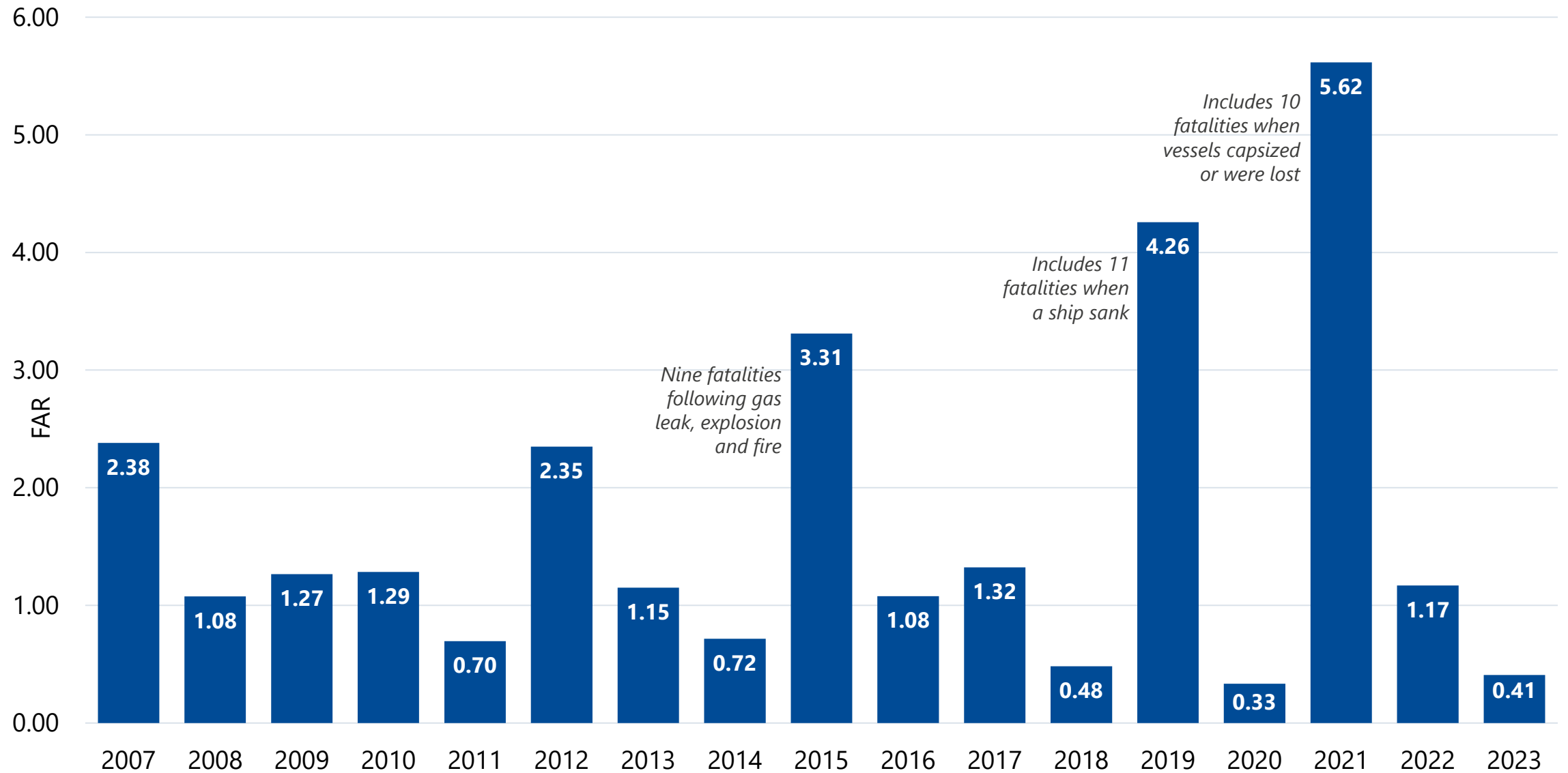
**0.63**  
Total FAR  
2022: 0.95

**0.41**  
Offshore FAR  
2022: 1.17

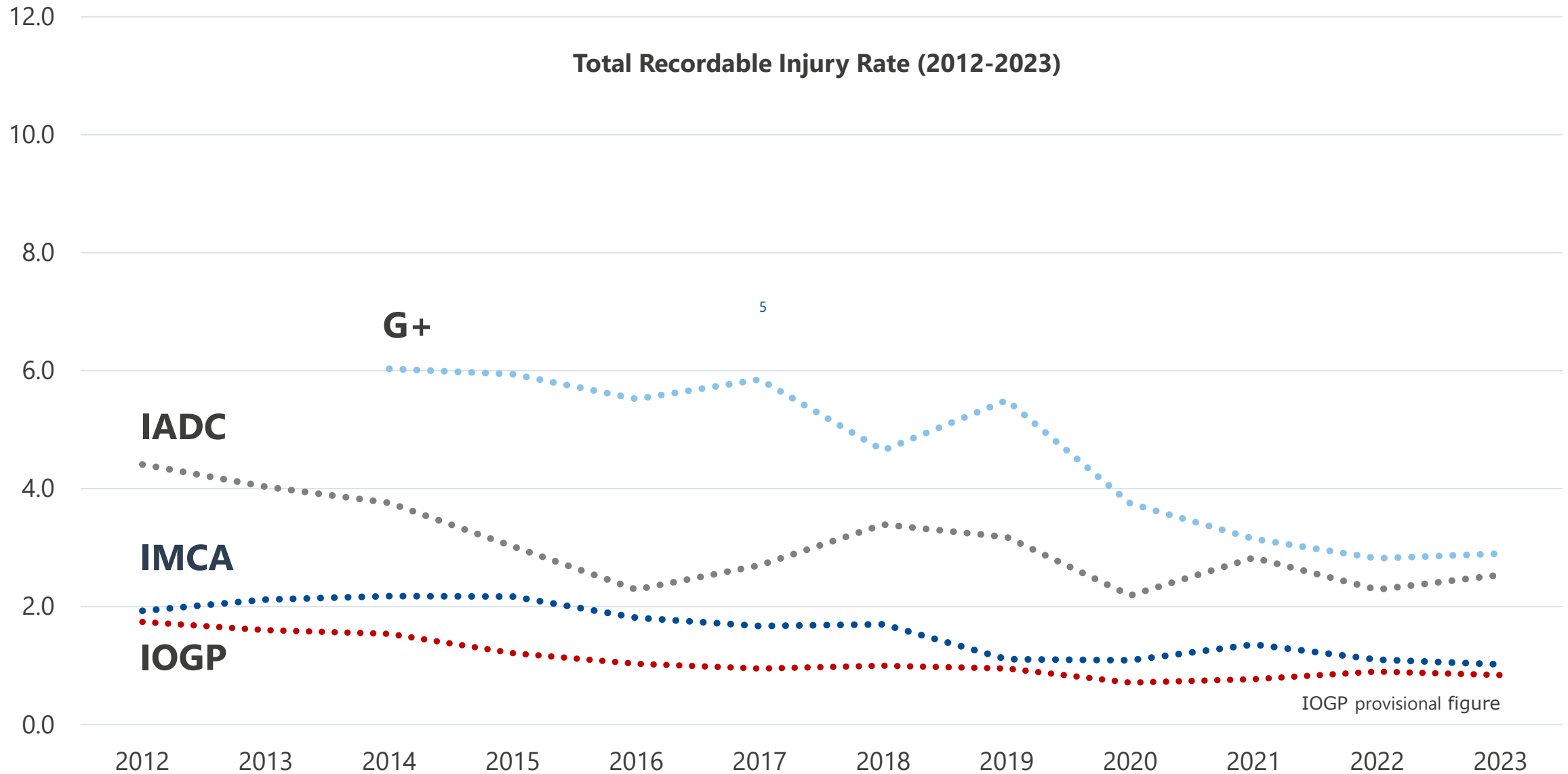
# Summary

- An improvement in reporting levels – 181 contractors (130 in 2022).
- A significant increase in size of industry as reported – 958 million hours.
- Total LTIFR and TRIR continue “flat-line” trend.
- Slight uptick or worsening of Offshore LTIFR.
- 6 fatalities total: 2 offshore, 4 onshore:
  - Offshore
    - 1) fall from height; 2) A man overboard in rough weather.
  - Onshore
    - 1) fall from height; 2) A person caught in line of fire when materials fell from height;
    - 3) A fatality at a partner company; 4) No explanation forthcoming.

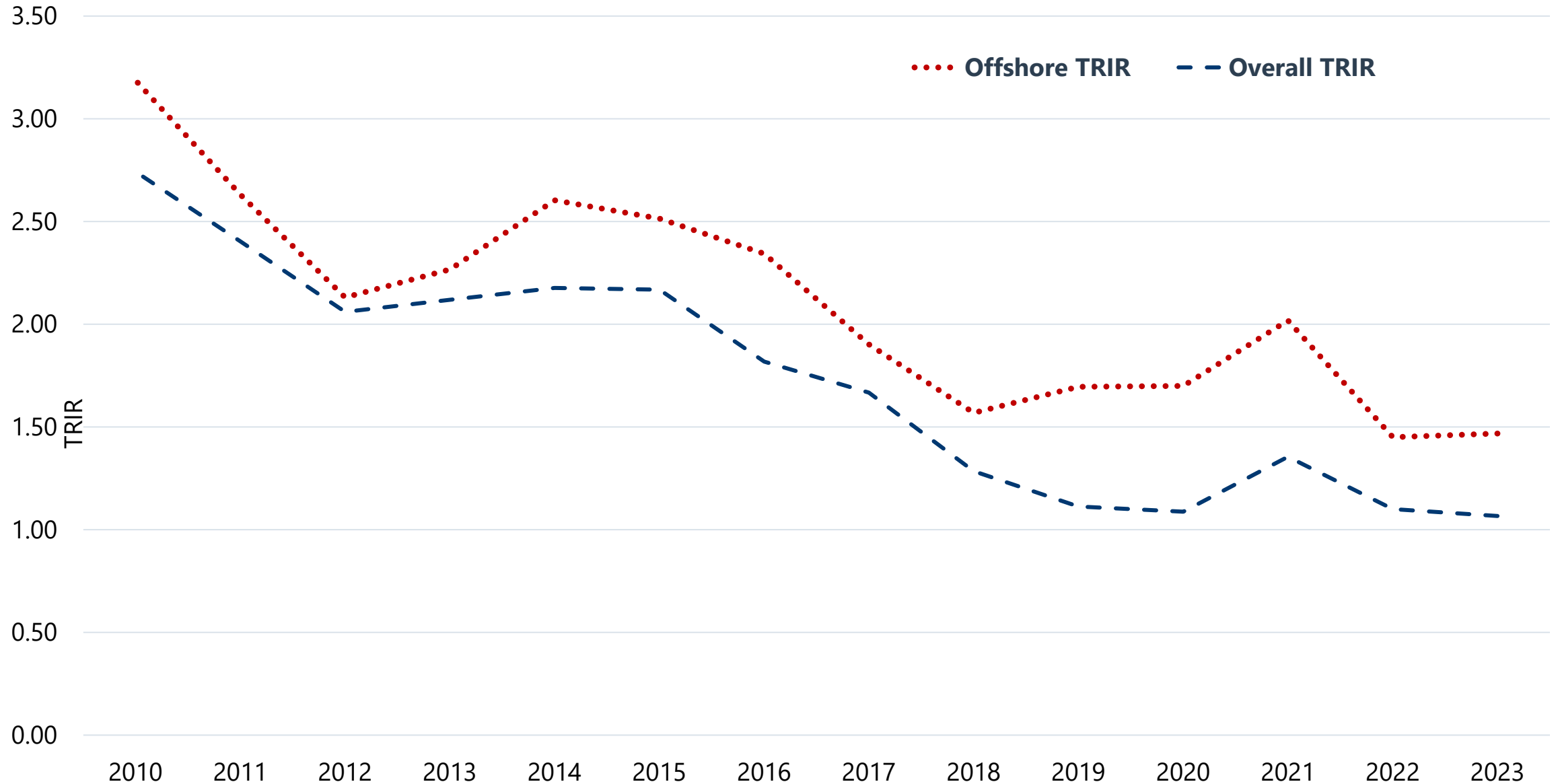
# Fatal Accident Rate



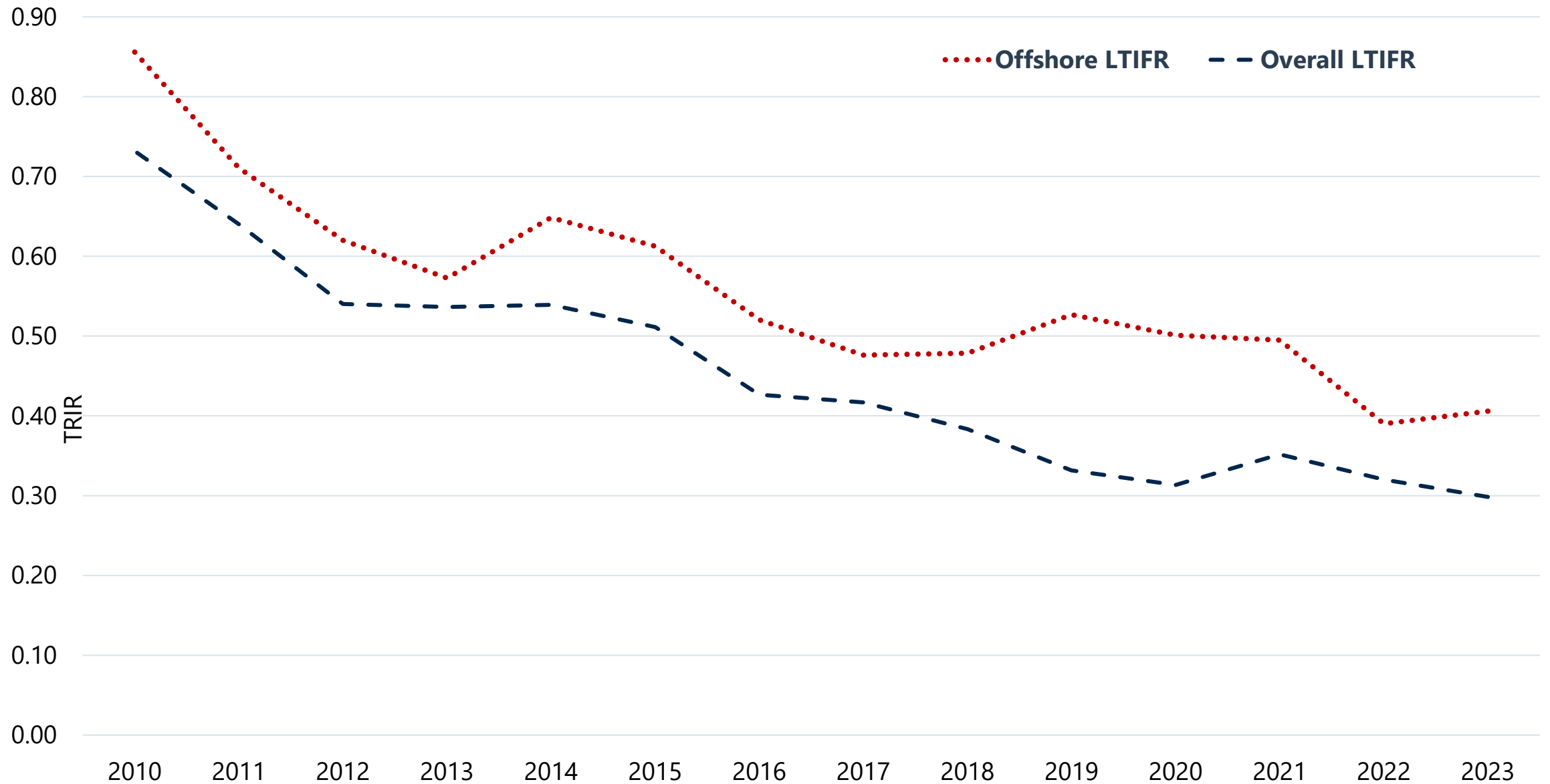
# Comparison with other Associations



# Total Recordable Injury Rate (TRIR)



# Lost Time Injury Frequency Rate (LTIFR)



# Main causes of LTIs in 2023



**Stored energy release 5%**

2022: 7%

**Falls from height 9%**

2022: 8%



**Slips and trips 26%**

2022: 25%



**Line of Fire 43%**

2022: 43%



**Dropped objects 3%**

2022: 5%



**Muscle stress 14%**

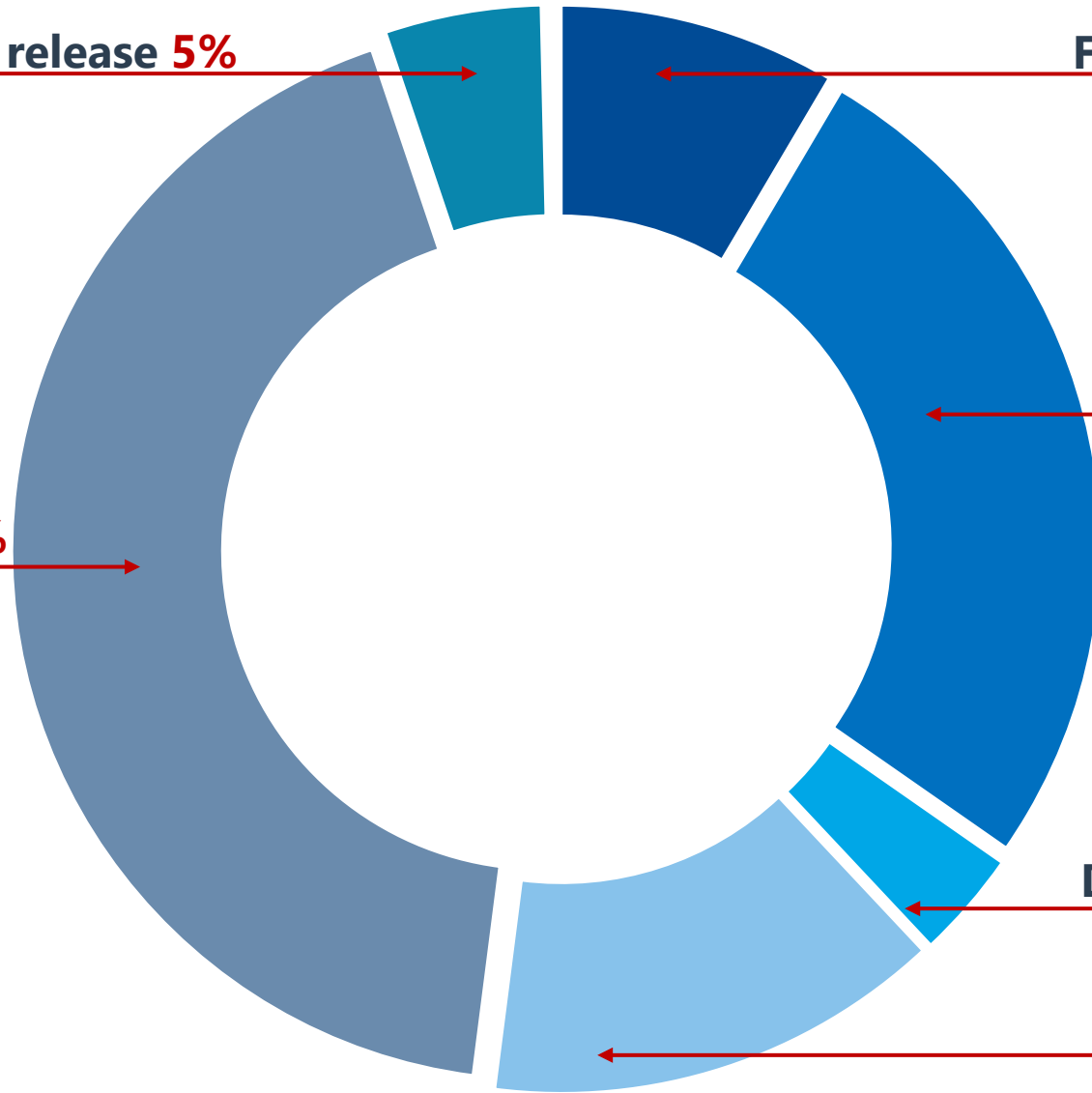
2022: 12%



## Health

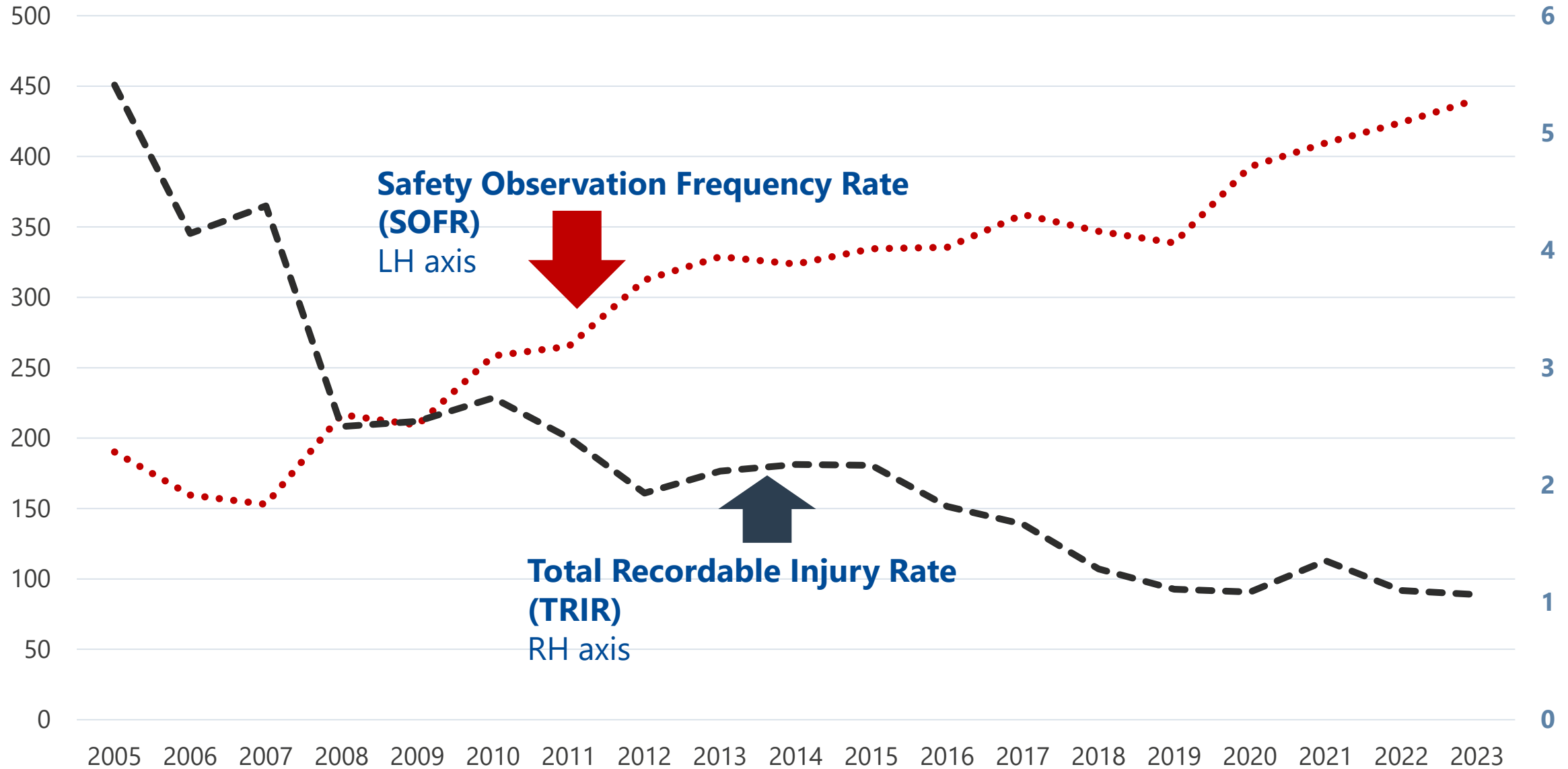
One "LTI" caused by health issues, 20 cases of lost time relating to poor health that did NOT amount to a formal Lost Time Injury.

*(From a total of 268 LTIs across IMCA Members)*



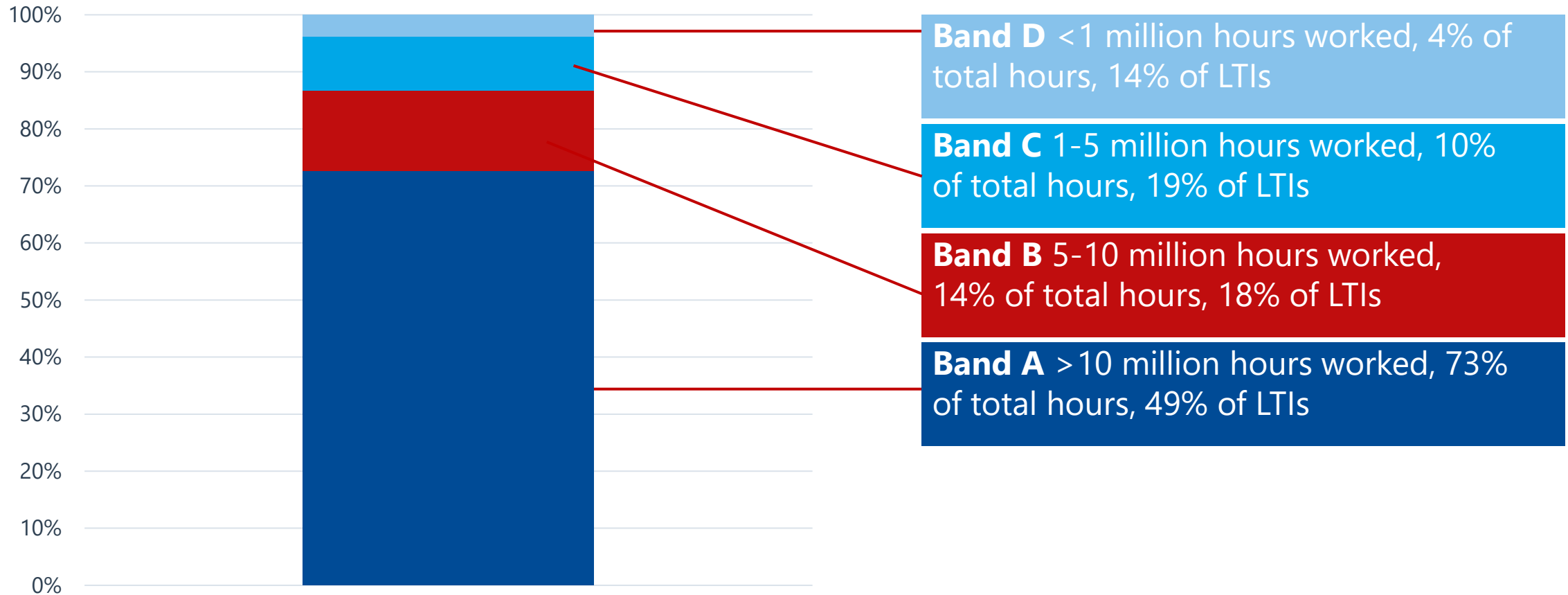


# Observations v Recordables



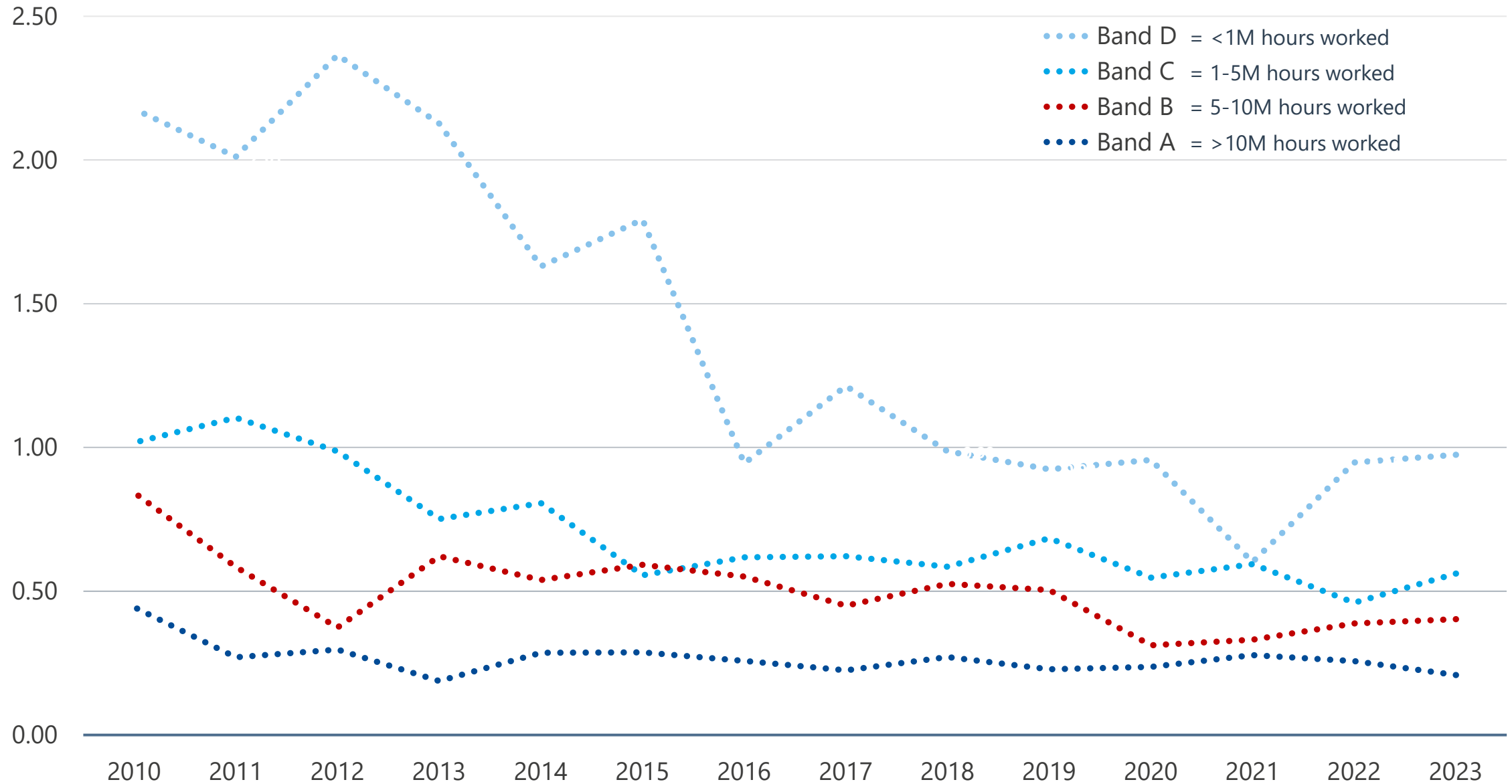
# Company banding

% of total 958 million hours worked

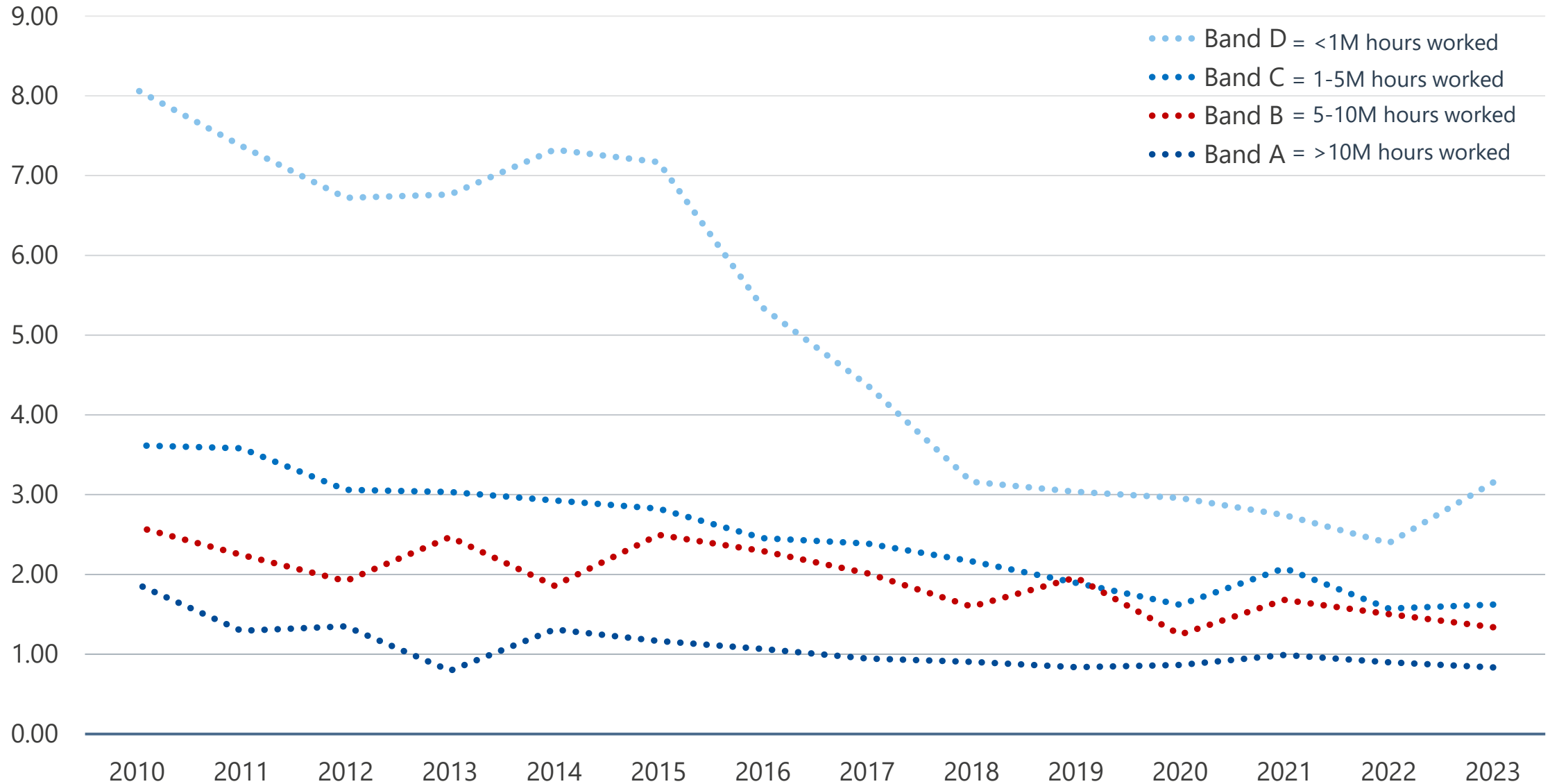


Banding allows peer-group comparison

# LTIFR by Company Band



# TRIR by Company Band



# Total LTIFR and TRIR by Company Band



	Band A		Band B		Band C		Band D		IMCA	
	LTIFR	TRIR	LTIFR	TRIR	LTIFR	TRIR	LTIFR	TRIR	LTIFR	TRIR
<b>2023</b>	<b>0.21</b>	<b>0.83</b>	<b>0.40</b>	<b>1.34</b>	<b>0.56</b>	<b>1.64</b>	<b>0.97</b>	<b>3.15</b>	<b>0.30</b>	<b>1.07</b>
2022	0.26	0.90	0.39	1.50	0.46	1.57	0.95	2.39	0.32	1.10
2021	0.28	0.99	0.33	1.68	0.59	2.08	0.60	2.74	0.35	1.35
2020	0.24	0.87	0.31	1.25	0.55	1.62	0.96	2.96	0.31	1.09
2019	0.23	0.84	0.50	1.96	0.68	1.89	0.92	3.04	0.33	1.11
2018	0.27	0.90	0.53	1.60	0.58	2.16	0.99	3.16	0.39	1.70
2017	0.22	0.95	0.45	2.01	0.62	2.39	1.21	4.38	0.42	1.67
2016	0.26	1.07	0.55	2.29	0.62	2.45	0.94	5.34	0.43	1.82
2015	0.29	1.16	0.59	2.49	0.56	2.82	1.79	7.17	0.49	2.15
2014	0.29	1.31	0.54	1.86	0.81	2.93	1.63	7.33	0.54	2.18
2013	0.19	0.79	0.62	2.47	0.75	3.03	2.13	6.76	0.54	2.12
2012	0.30	1.35	0.37	1.92	0.99	3.06	2.36	6.72	0.51	1.93
2011	0.27	1.29	0.58	2.24	1.10	3.58	2.01	7.37	0.64	2.40
2010	0.44	1.88	0.84	2.60	1.02	3.62	2.18	8.07	0.73	2.74
2009	0.40	1.78	0.64	2.58	1.41	4.66	1.74	5.90	0.67	2.54
2008	0.43	1.70	1.14	3.81	1.18	3.78	2.41	7.93	0.72	2.50
2007	0.78	2.82	1.24	4.57	1.44	6.07	1.64	9.20	1.09	4.38

# Definitions

- **Total company hours** – hours worked by employees across the entire organisation, including overtime.
- **Offshore hours** – hours worked on vessels, barges, boats or any other offshore structures or installations, based on a 12-hour day.
- **Lost Time Injury Frequency Rate (LTIFR)** – the number of LTIs (including fatalities) per million hours worked.
- **Total recordable injuries rate (TRIR)** – the number of recordable injuries (fatalities, LTIs and medical treatments) per million hours worked.
- **Safety Observations Frequency Rate (SOFR)** – the number of safety observations per 200,000 hours worked.
- **Fatal Accident Rate (FAR)** – the number of fatalities per 100 million hours worked.

Data for 1997-2017 was separated into offshore/onshore categories, with an 'overall' combining the two. From 2018, data is collected and reported as offshore/total, with the historical 'overall' figure used for comparison.



# International Marine Contractors Association

Improving performance in the marine contracting industry

[www.imca-int.com](http://www.imca-int.com)