

2022 Safety statistics

International Marine Contractors Association

May 2023

2022 at a glance



629
Total million hours
(2021: 549)



343
Offshore million hours
(2021: 299)



Line of fire
Most common
cause of LTIs



6 fatalities reported
(2021: 16)



517
Safety Observation Frequency Rate
(2021: 410)



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



0.32
Total LTIFR
(2021: 0.35)



0.39
Offshore LTIFR
(2021: 0.49)



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



1.10
Total TRIR
(2021: 1.36)



1.45
Offshore TRIR
(2021: 2.02)



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



0.95
Total FAR
(2021: 2.92)

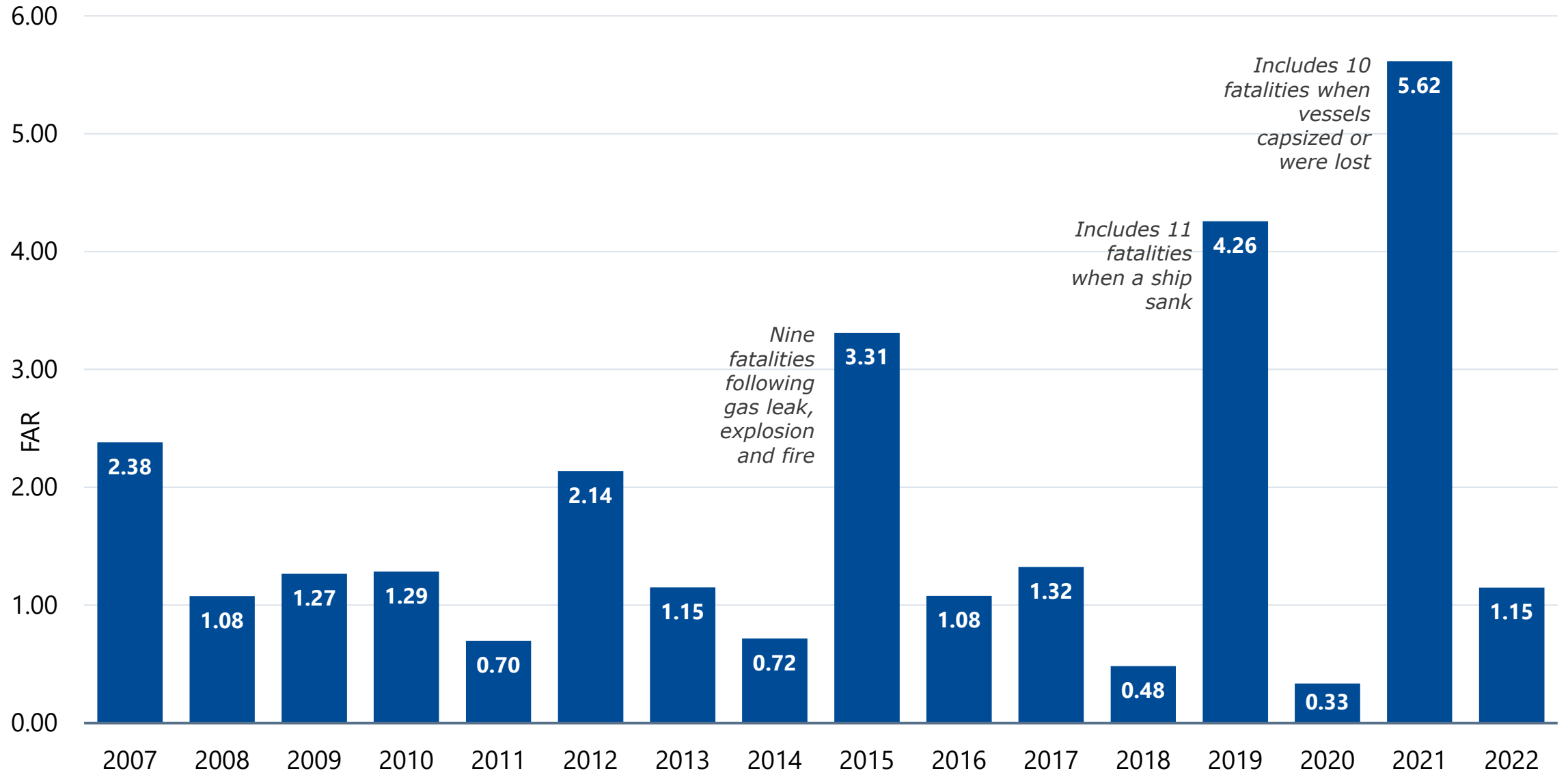


1.17
Offshore FAR
(2021: 5.62)

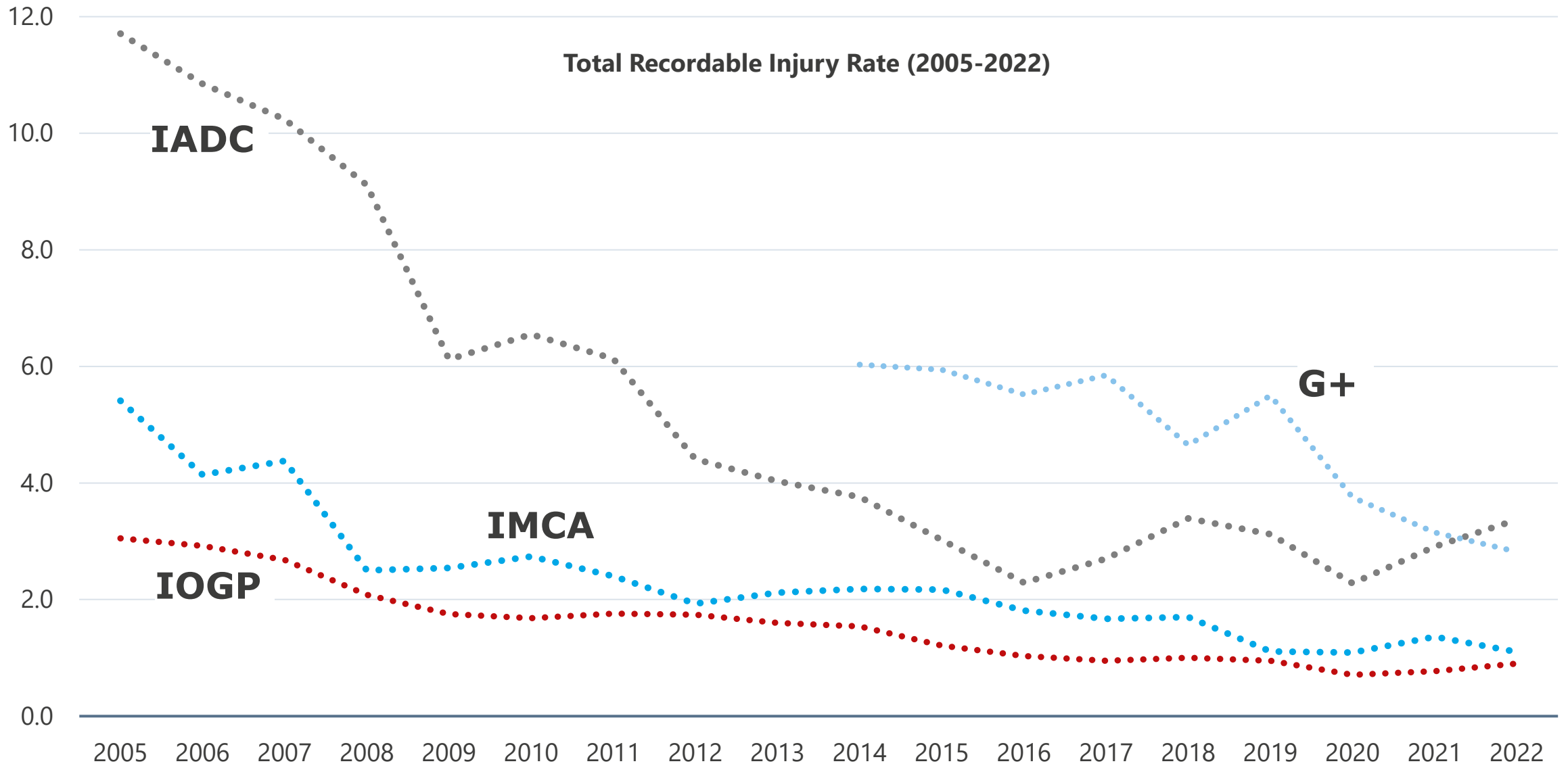
Summary

- Improved results in LTIFR and TRIR following challenging post-COVID year in 2021.
- Six fatalities in total, four offshore:
 - A ferry collided with a pilot boat which sank with loss of life (two).
 - Occurred during working at height for maintenance activity (one).
 - Person fell into the sea and drowned after a crane collapsed in a yard (one).
 - No information provided (two).

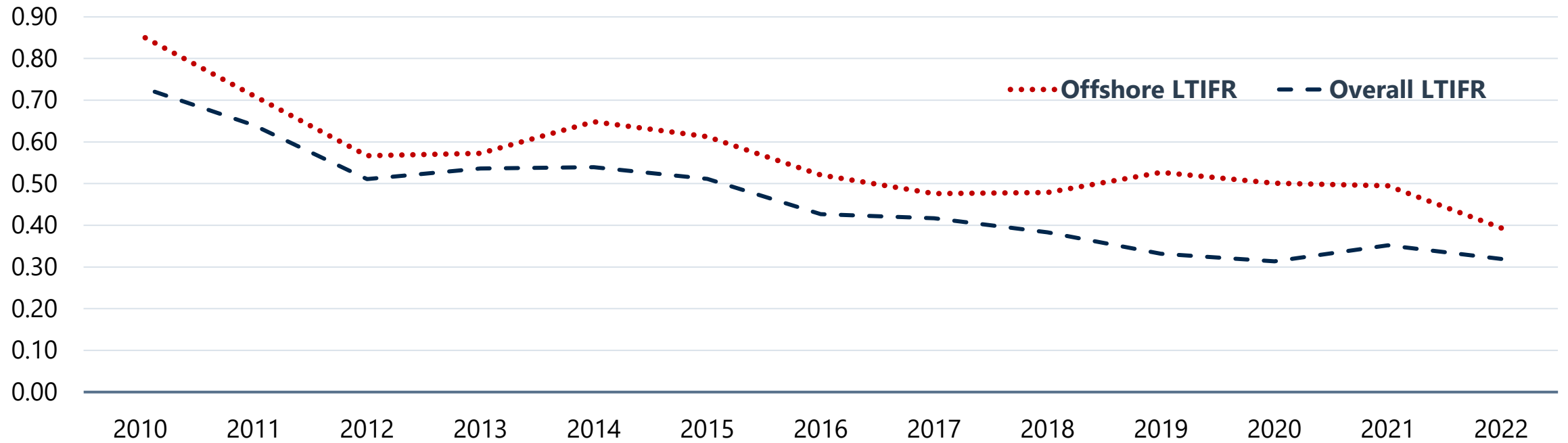
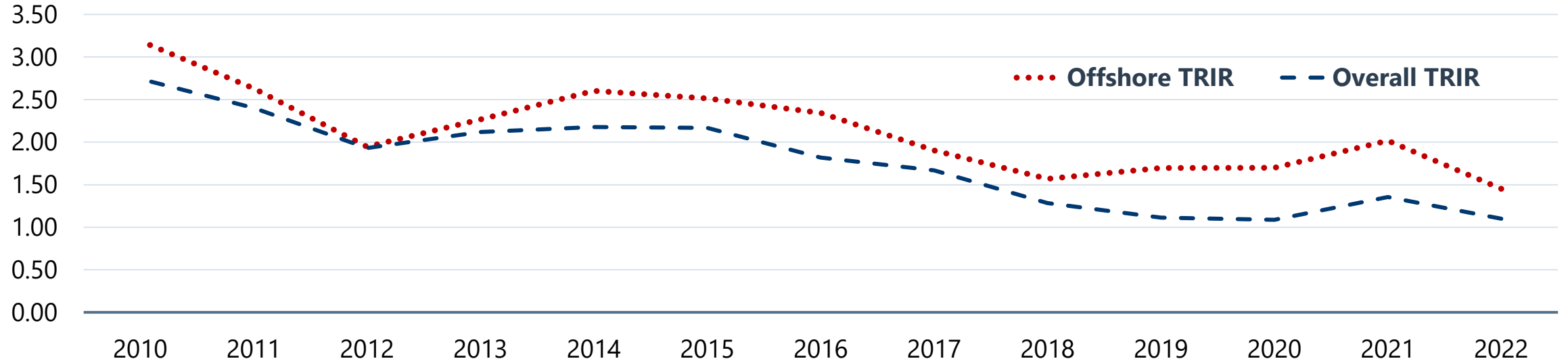
Fatal Accident Rate



Comparison with other Associations



TRIR and LTIFR 2022



Main causes of LTIs in 2022



Stored energy release 7%
(2021: 3%)

Falls from height 8%
(2021: 6%)



Slips and trips 25%
(2021: 26%)

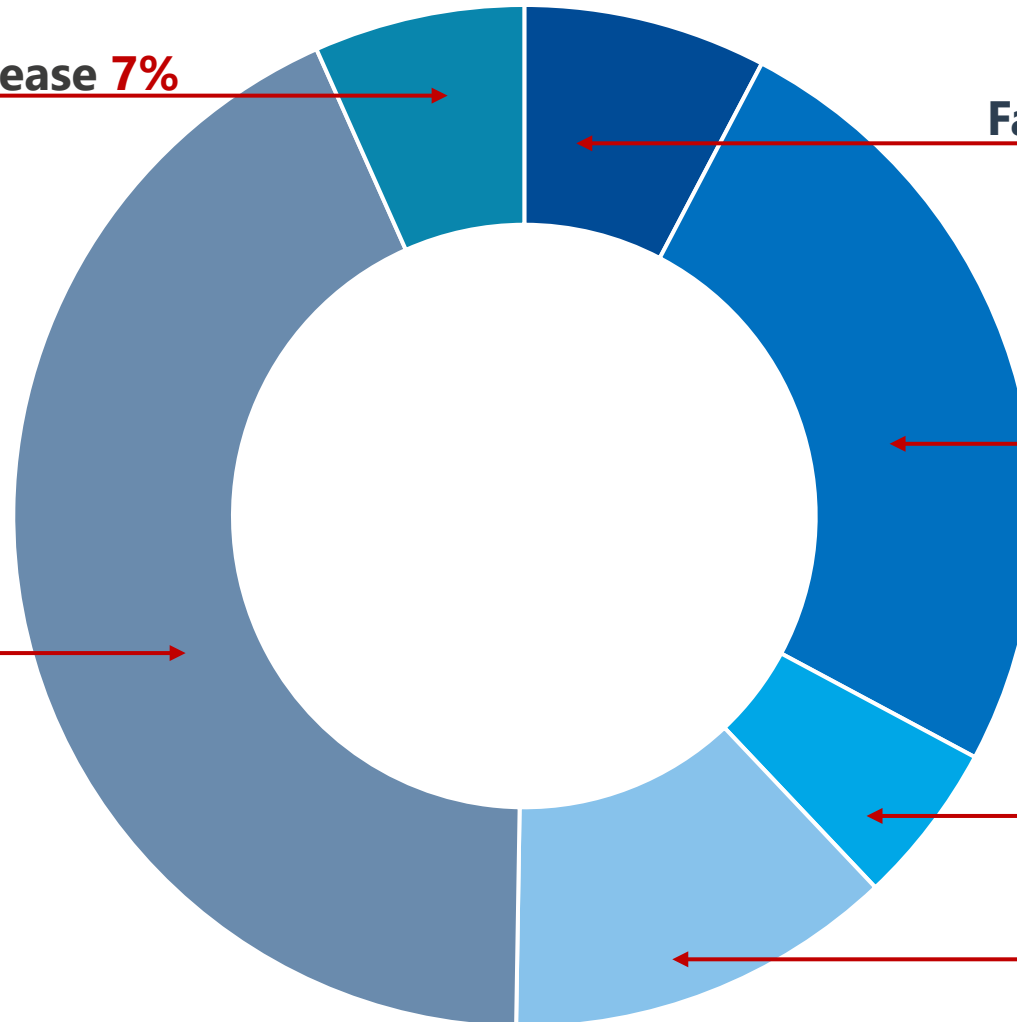


Line Of Fire 43%
(2021: 53%)

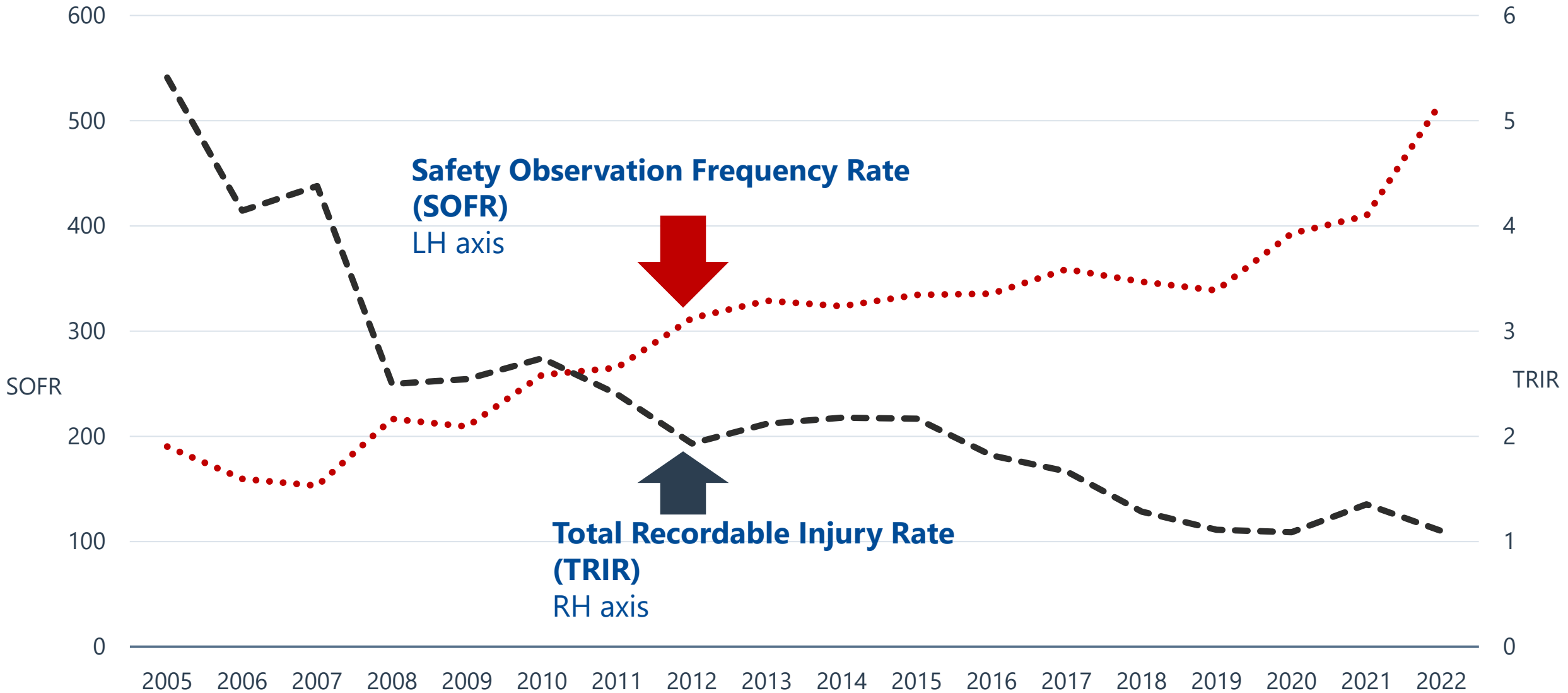
Dropped objects 5%
(2021: 3%)



Muscle stress 12%
(2021: 9%)

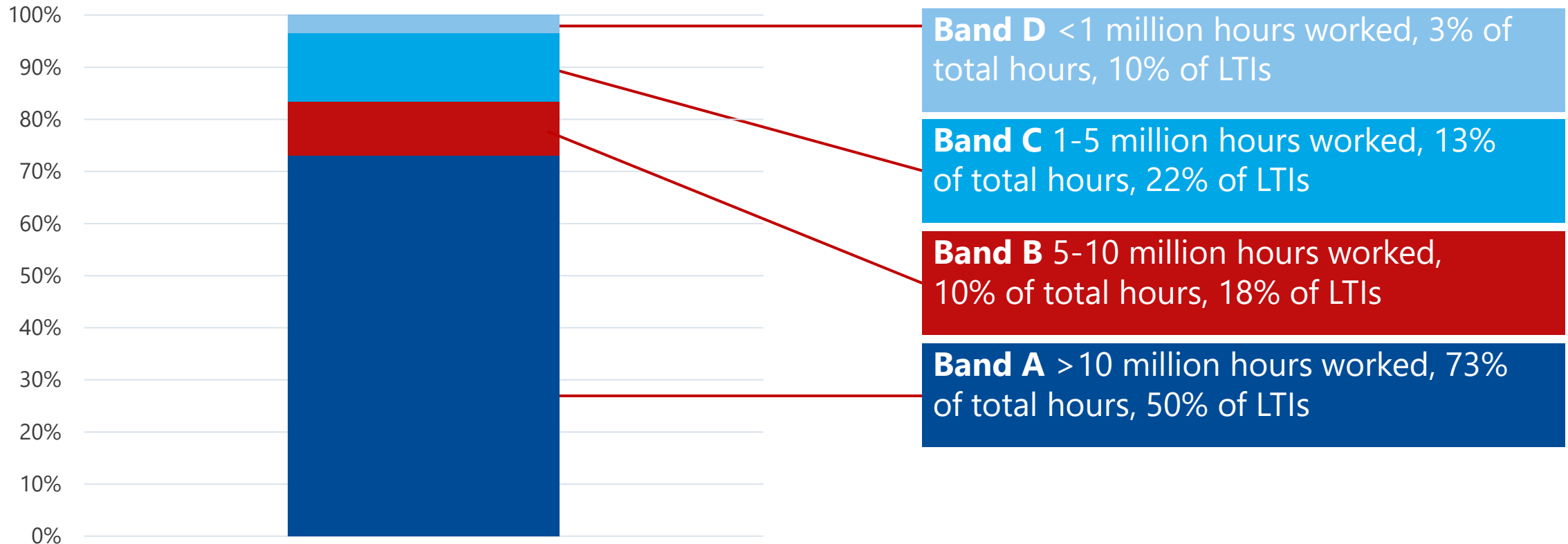


Observations v Recordables



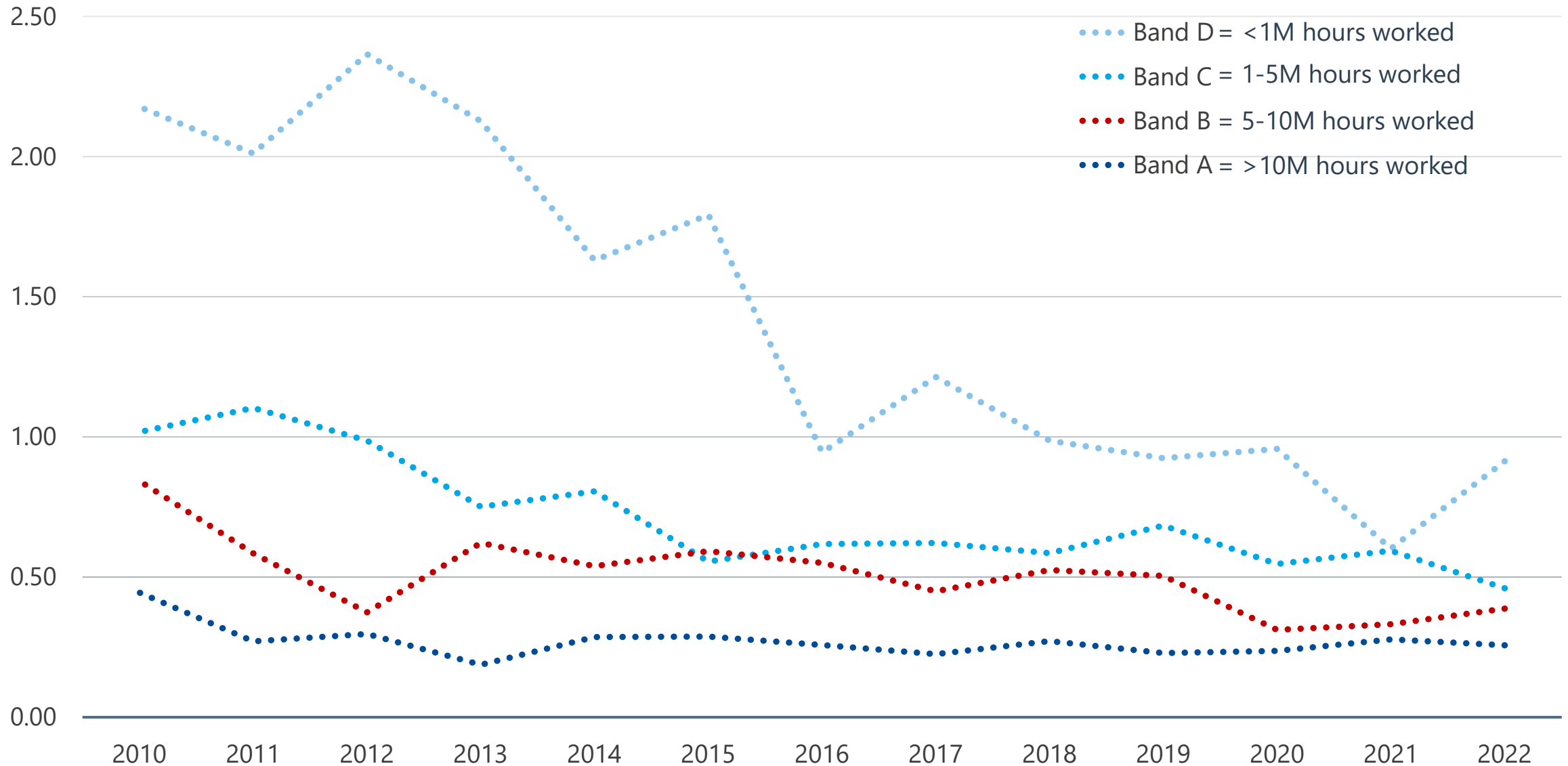
Company banding - 2022

% of total 629 million hours worked

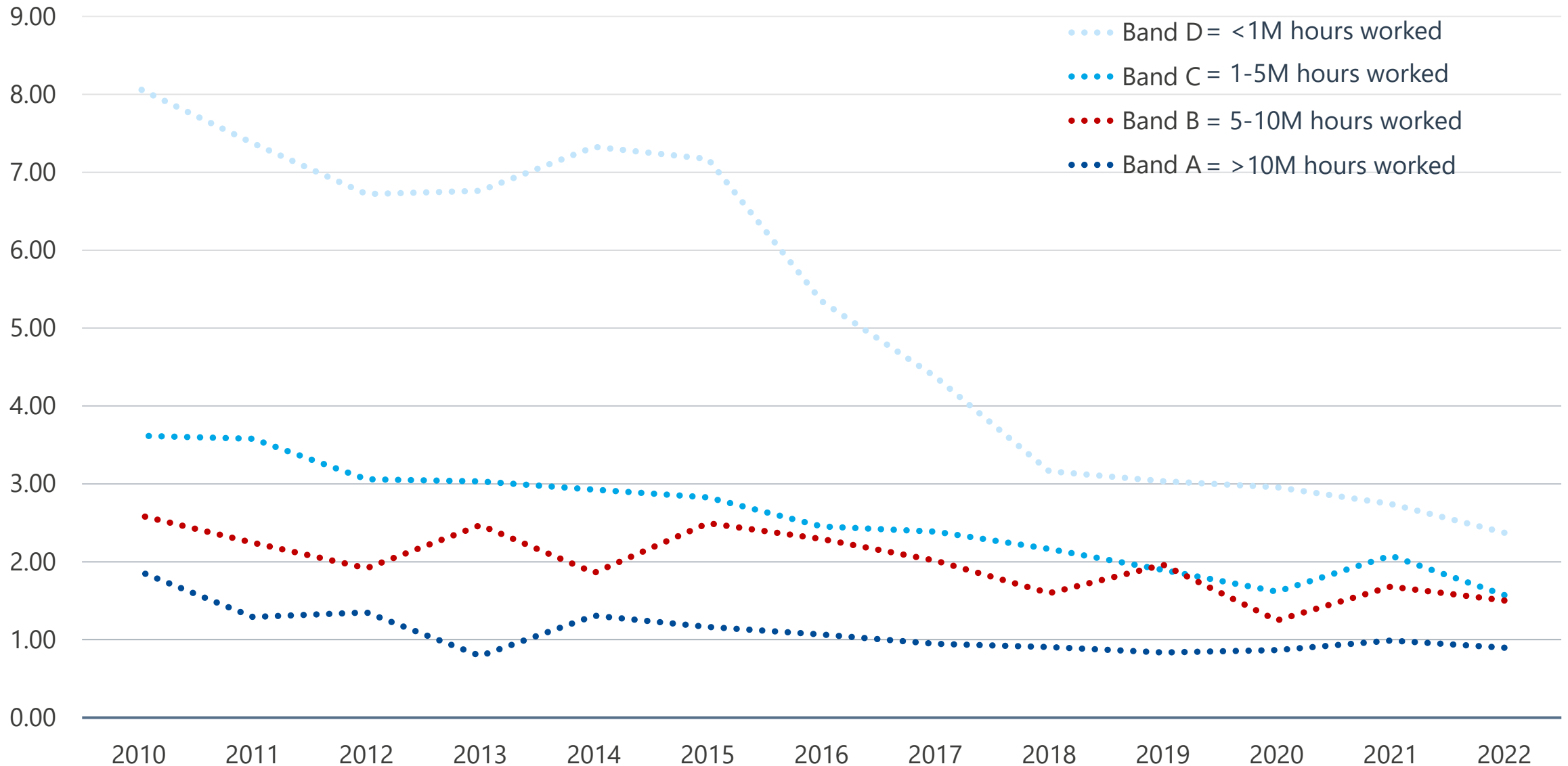


Banding allows peer-group comparison

LTIFR by Company Band



TRIR by Company Band



Total LTIFR and TRIR by Company Band



	Band A		Band B		Band C		Band D		IMCA	IMCA
	LTIFR	TRIR	LTIFR	TRIR	LTIFR	TRIR	LTIFR	TRIR	LTIFR	TRIR
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

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