

International Marine Contractors Association

Improving performance in the marine contracting industry

2020 Safety statistics

Nick Hough

2020 at a glance



651
million man-hrs
total (2019: 802)

299
million man-hrs
offshore (2019: 376)



Line of fire
Most common
cause of LTIs

2 fatalities reported
(2019: 18)
1 man overboard
1 road traffic accident



393
Safety Observation Frequency Rate
(2019: 339)

IMCA safety data is available on-line at
<https://www.imca-int.com/data/safety/>



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

0.31
Total LTIFR
(2019: 0.33)

0.50
Offshore LTIFR
(2019: 0.53)



TRIR
Total recordable injury Rate
(Fatalities + LTIs + Restricted Work Cases + Medical
Treatment cases) x 1,000,000 / Total man-hours

1.09
Total TRIR
(2019: 1.11)

1.70
Offshore TRIR
(2019: 1.69)

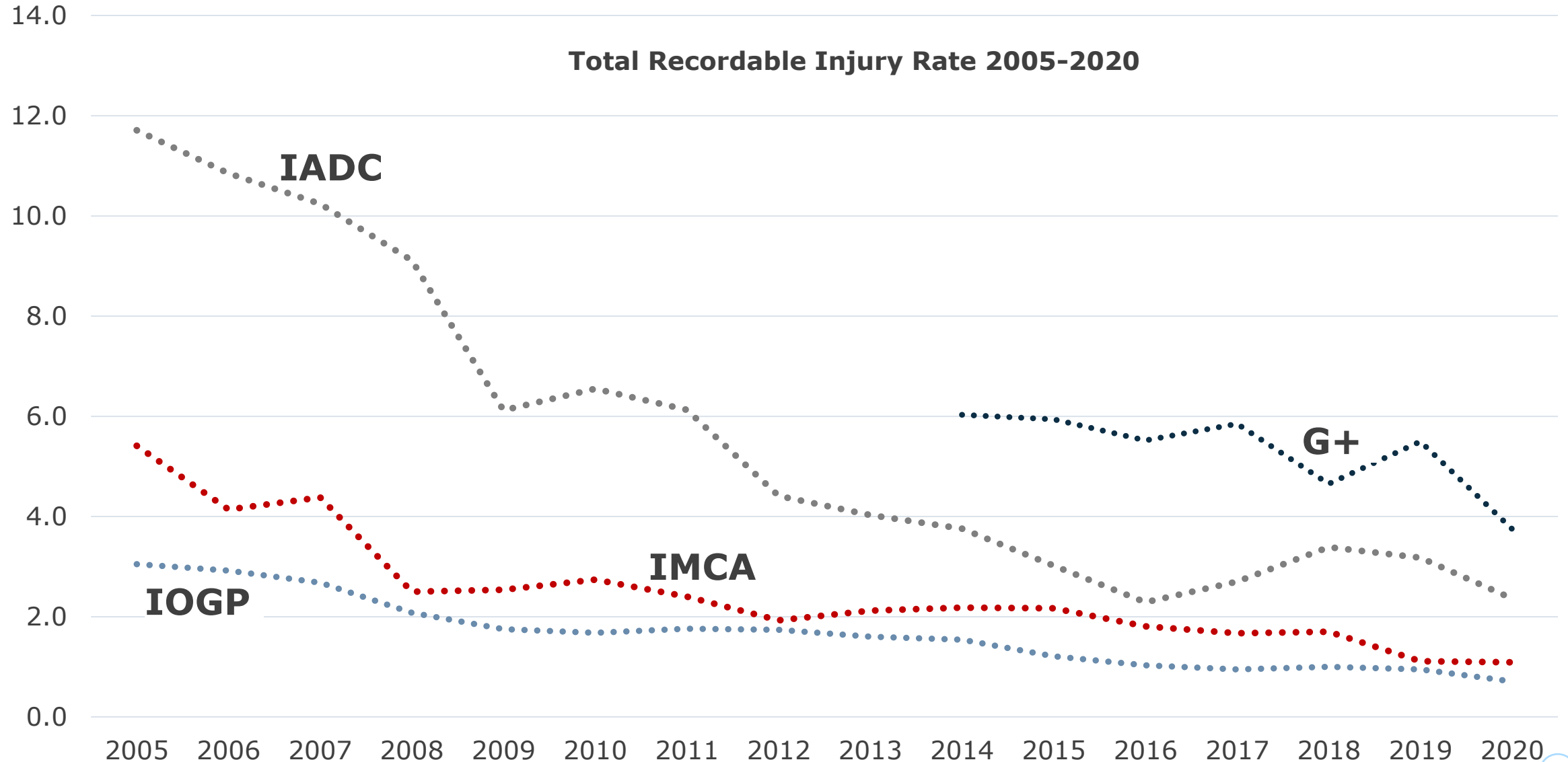


FAR
Fatal Accident Rate
(FAR = Fatalities x 100,000,000 / Total man-hours)

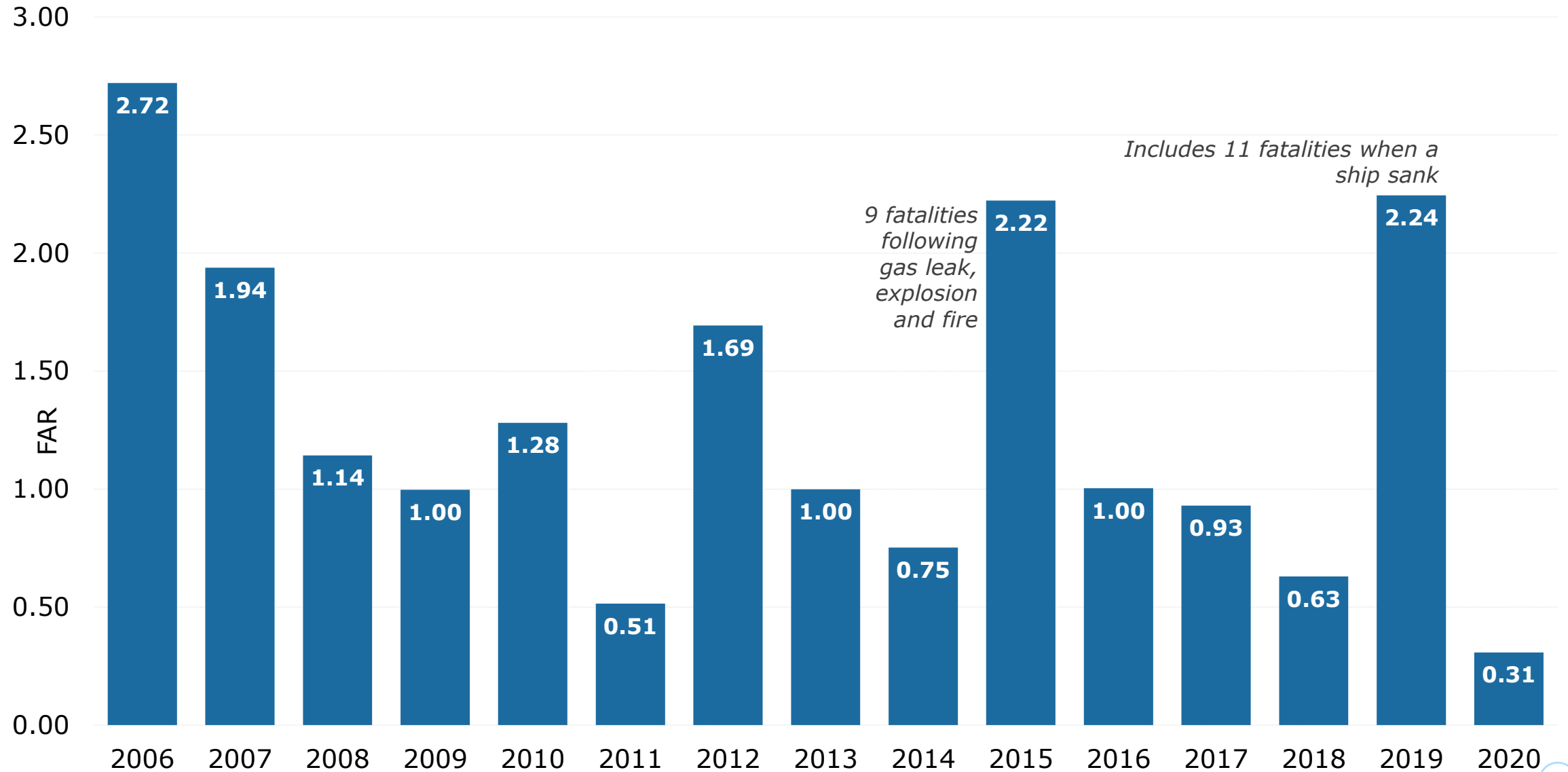
0.31
Total FAR
(2019: 2.24)

0.33
Offshore FAR
(2019: 4.26)

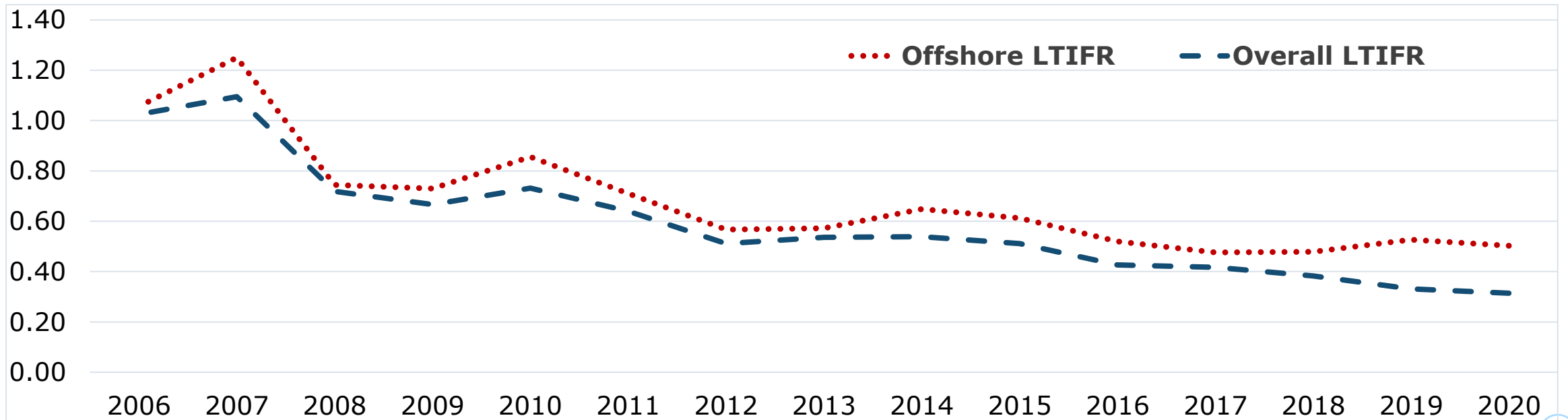
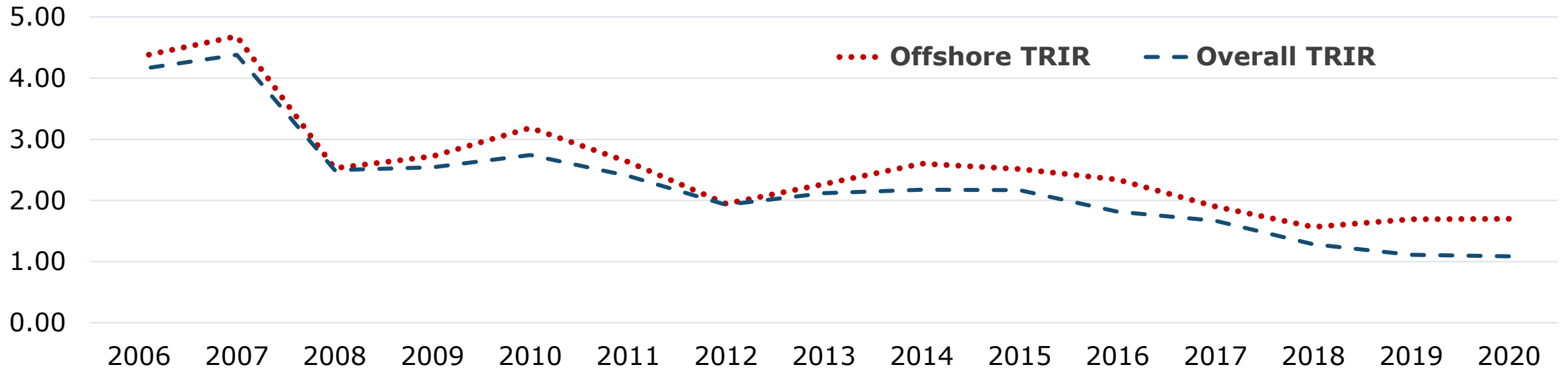
Comparison with other Associations



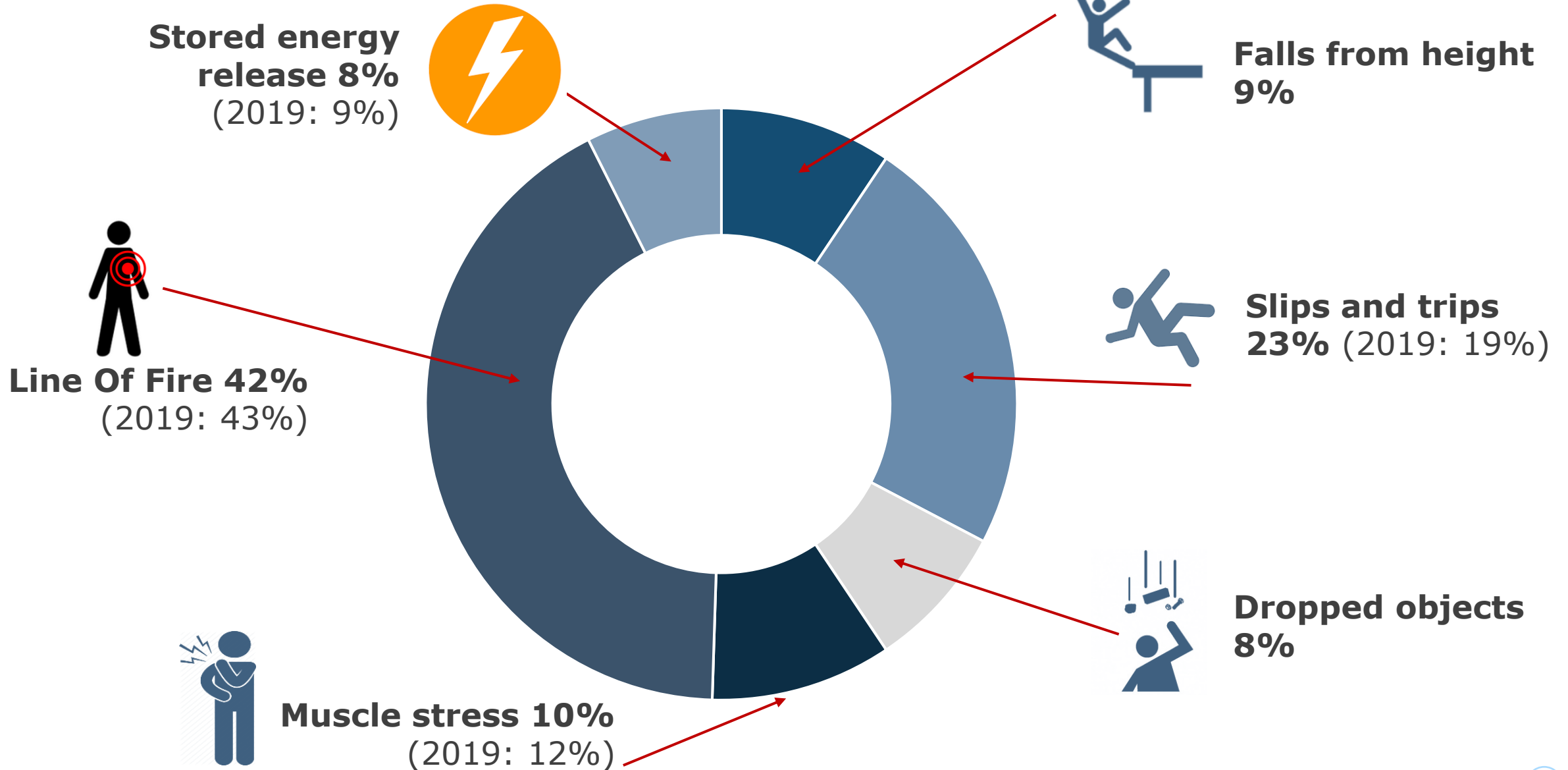
Fatal Accident Rate



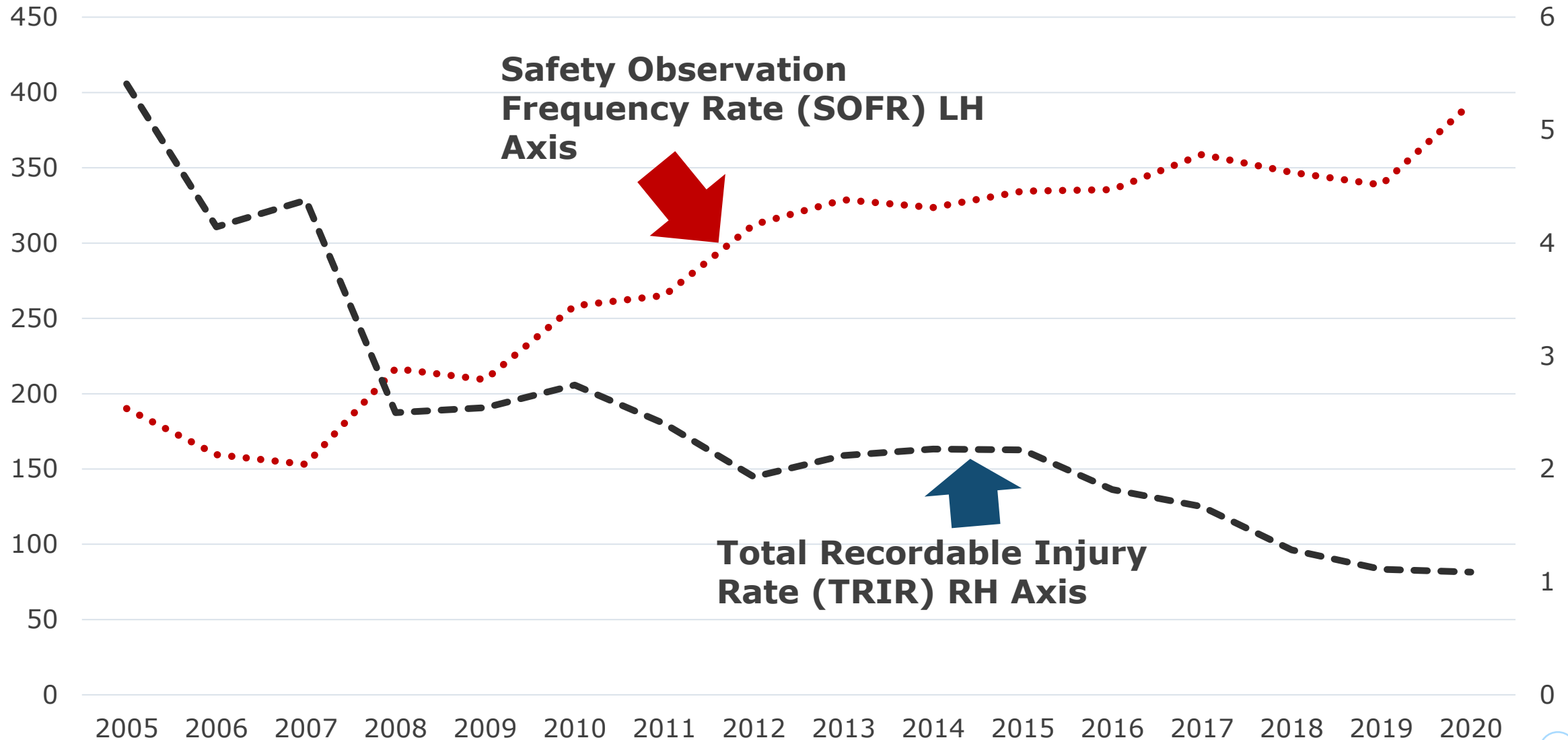
TRIR and LTIFR 2020



Main causes of 202 LTIs in 2020



Observations v Recordables



Company banding

- Contractors divided into four bands
- Allowing peer group comparison / benchmarking between companies of similar size

Band man-hours

A >10 million

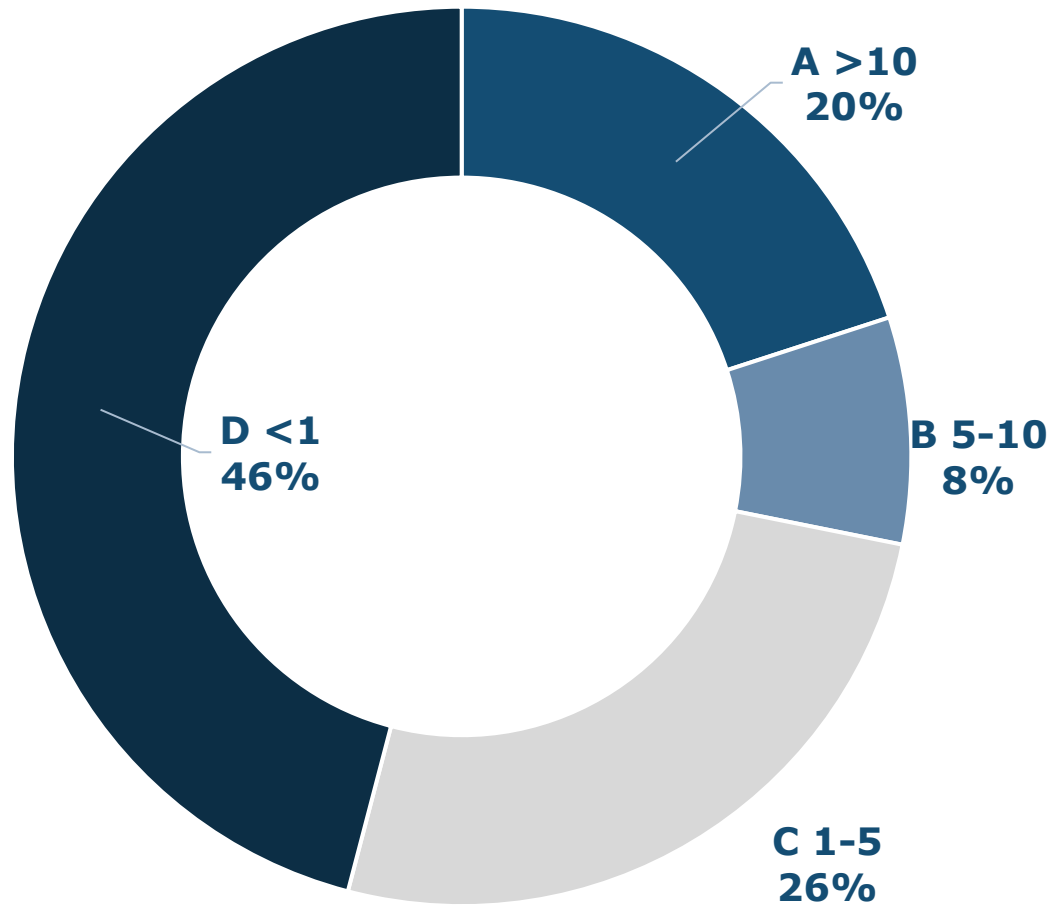
B 5-10 million

C 1-5 million

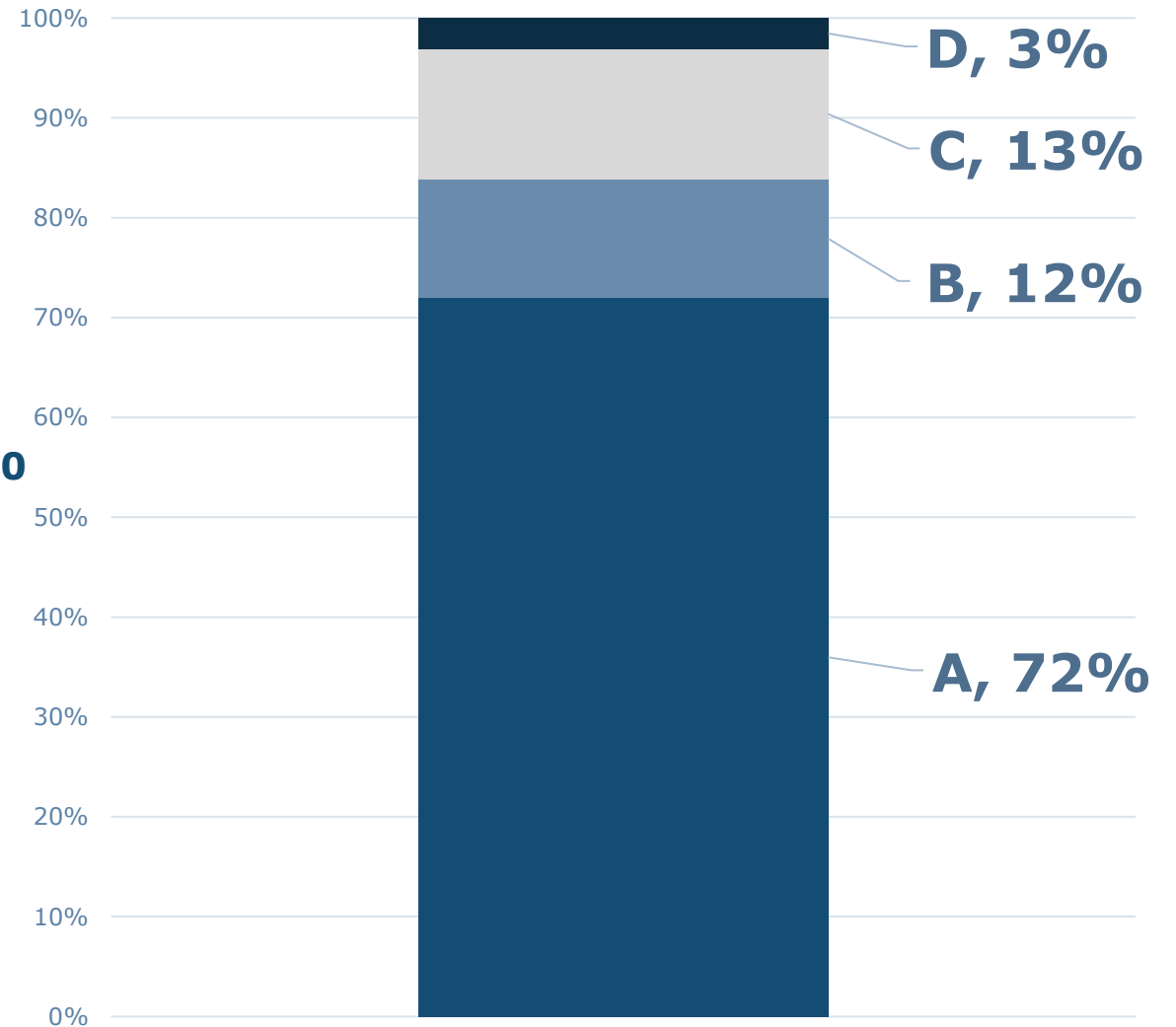
D <1 million

Company banding 2020

% of total (138) contractors



% of total man-hours (651 million)

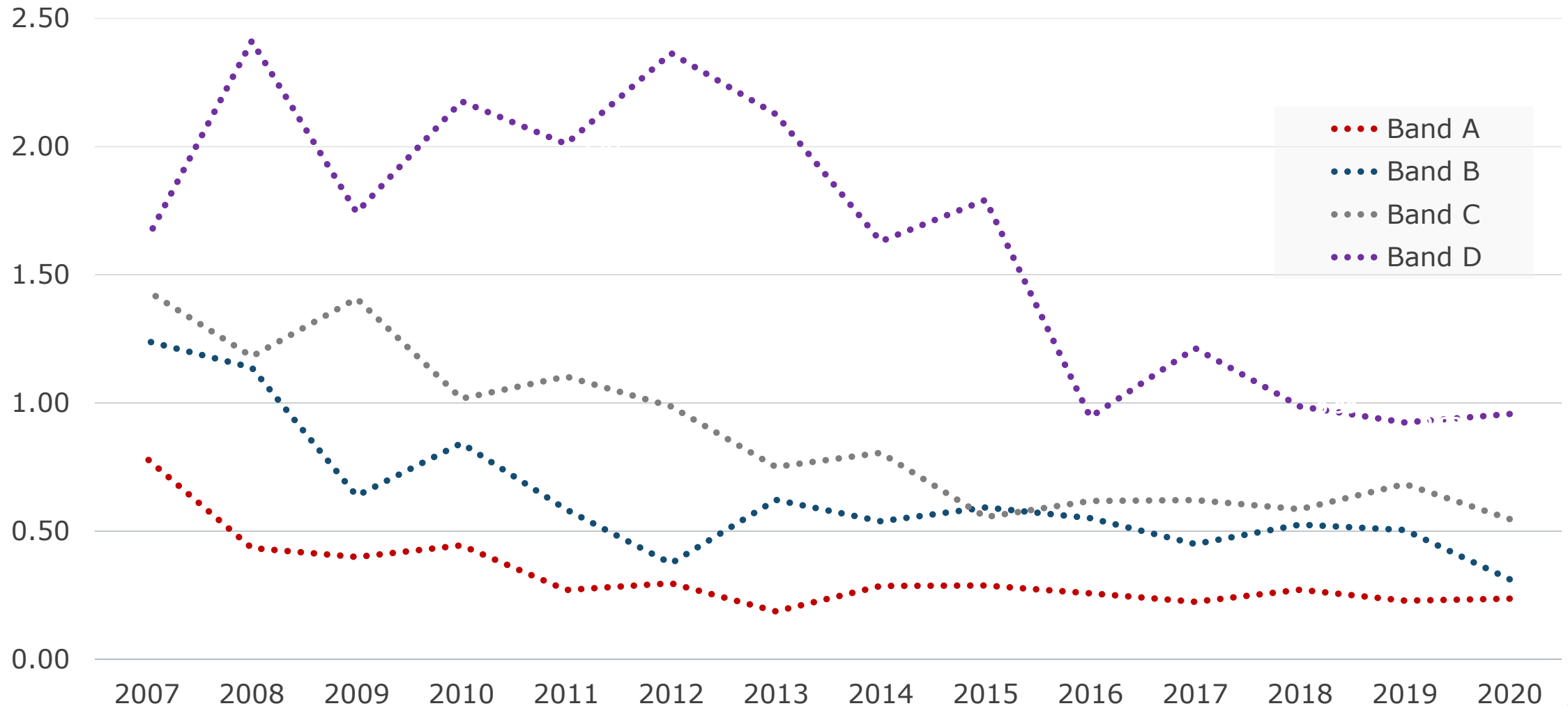


LTIFR by Company Band, n=138



A = >10M manhours, B = 5-10M mh, C = 1-5M mh, D = <1M mh

A = 20% n, 72% man-hrs, B = 8% n, 12% man-hrs, C = 26% n, 13% man-hrs, D = 46% n, 3% man-hrs

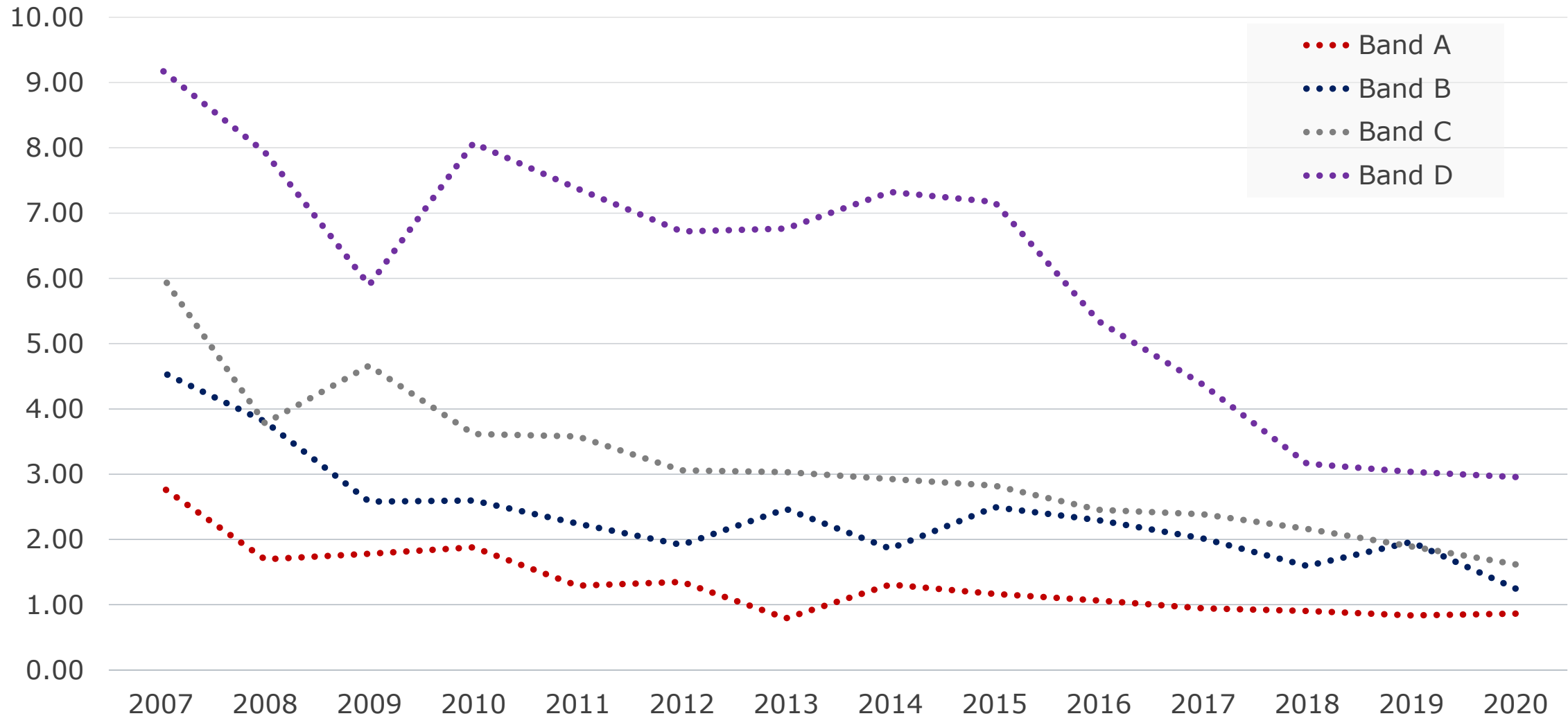


TRIR by Company Band, n=138



A = >10M manhours, B = 5-10M mh, C = 1-5M mh, D = <1M mh

A = 20% n, 72% man-hrs, B = 8% n, 12% man-hrs, C = 26% n, 13% man-hrs, D = 46% n, 3% man-hrs



LTIFR and TRIR by Company Band



A = >10M manhours B = 5-10M mh C = 1-5M mh D = <1M mh

year	Band A		Band B		Band C		Band D	
	LTIFR	TRIR	LTIFR	TRIR	LTIFR	TRIR	LTIFR	TRIR
2020	0.24	0.87	0.31	1.25	0.55	1.62	0.96	2.96
2019	0.23	0.84	0.50	1.96	0.68	1.89	0.92	3.04
2018	0.27	0.90	0.53	1.60	0.58	2.16	0.99	3.16
2017	0.22	0.95	0.45	2.01	0.62	2.39	1.21	4.38
2016	0.26	1.07	0.55	2.29	0.62	2.45	0.94	5.34
2015	0.29	1.16	0.59	2.49	0.56	2.82	1.79	7.17
2014	0.29	1.31	0.54	1.86	0.81	2.93	1.63	7.33
2013	0.19	0.79	0.62	2.47	0.75	3.03	2.13	6.76
2012	0.30	1.35	0.37	1.92	0.99	3.06	2.36	6.72
2011	0.27	1.29	0.58	2.24	1.10	3.58	2.01	7.37
2010	0.44	1.88	0.84	2.60	1.02	3.62	2.18	8.07
2009	0.40	1.78	0.64	2.58	1.41	4.66	1.74	5.90
2008	0.43	1.70	1.14	3.81	1.18	3.78	2.41	7.93
2007	0.78	2.82	1.24	4.57	1.44	6.07	1.64	9.20



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 (including fatalities and LTIs) 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.

Improving performance in the
marine contracting industry

