

International Marine Contractors Association

Improving performance in the marine contracting industry

2019 Safety Statistics

5 May 2020



2019 at a glance



802
million man-hrs
total (2018: 728)

376
million man-hrs
offshore (2018: 417)



Line of fire
Most common
cause of LTIs
(2018: same)

18 fatalities reported
(2018: 5)



339
Safety Observation Frequency Rate
(2018: 347 (as amended))

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

0.33
Total LTIFR
(2018: 0.39)

0.53
Offshore LTIFR
(2018: 0.48)



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

1.11
Total TRIR
(2018: 1.70)

1.69
Offshore TRIR
(2017: 2.09)



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

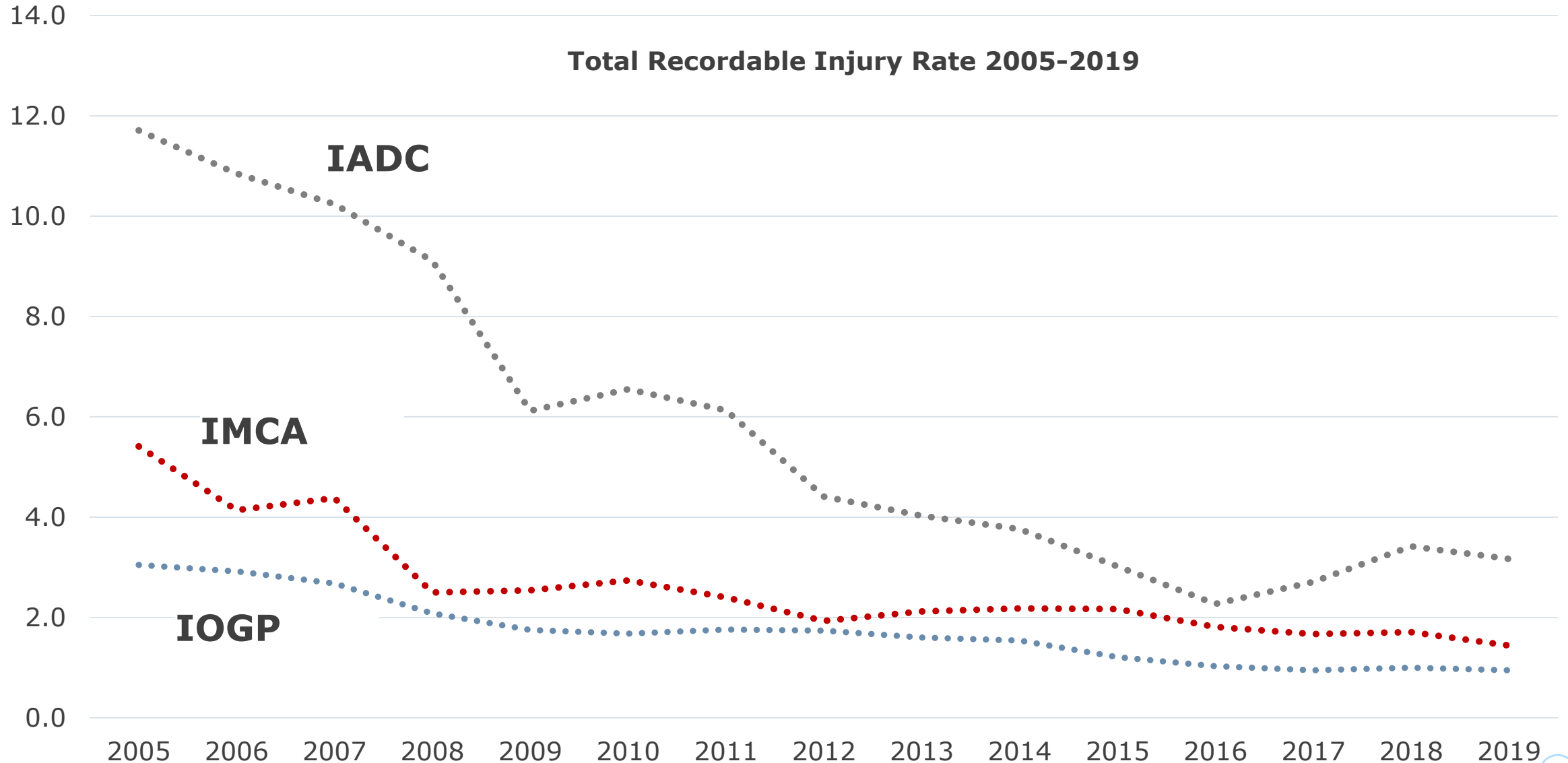
2.24
Total FAR
(2018: 0.63)

4.26
Offshore FAR
(2017: 0.48)

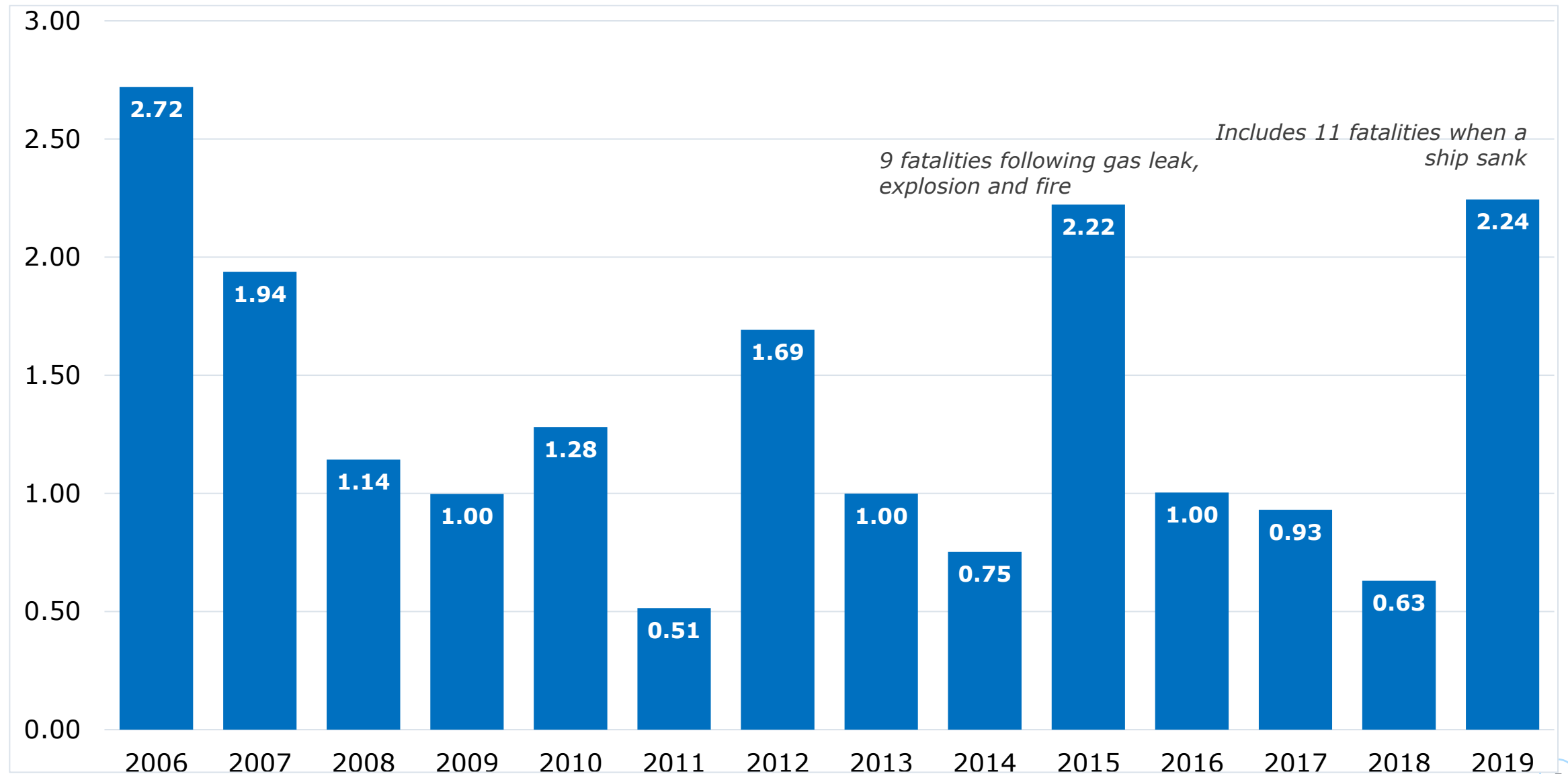
Fatalities

- 11 fatalities when vessel sank during ocean passage
- Man lost overboard. Causal factors: lack of management control, crewman was drunk at the time of falling overboard
- Crane boom failure, boom uncontrollably descended and struck a person below, resulting in fatality
- Person died of burns after pipe-coating machine explosion
- Diver struck by a pipe during subsea handling
- Unplanned release of stored energy. Person in line of fire killed when struck by flying object
- Worker in a fabrication yard fatally injured in line of fire incident
- *Information on one further fatal incident has not been provided.*

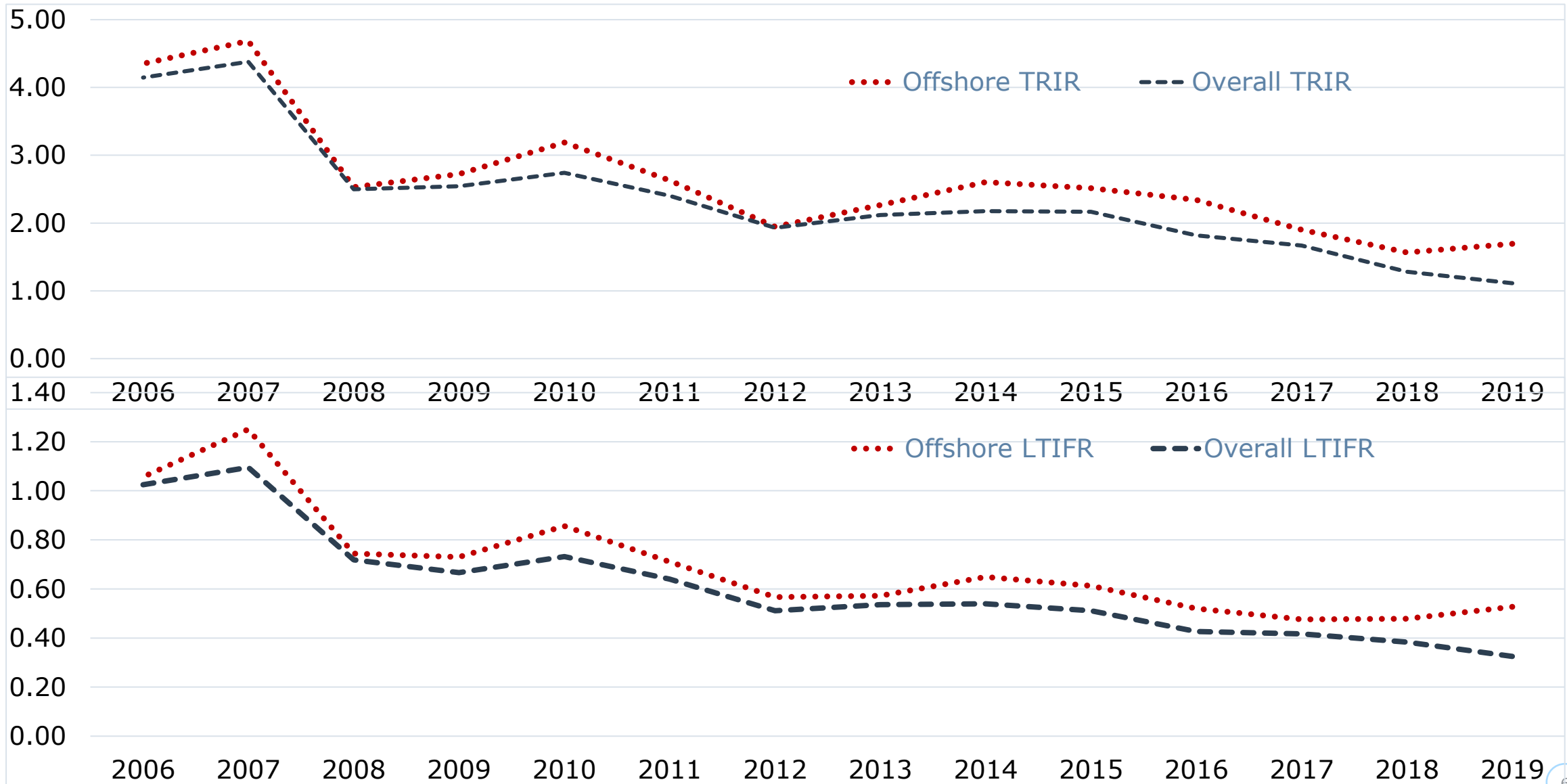
Comparison with other Associations



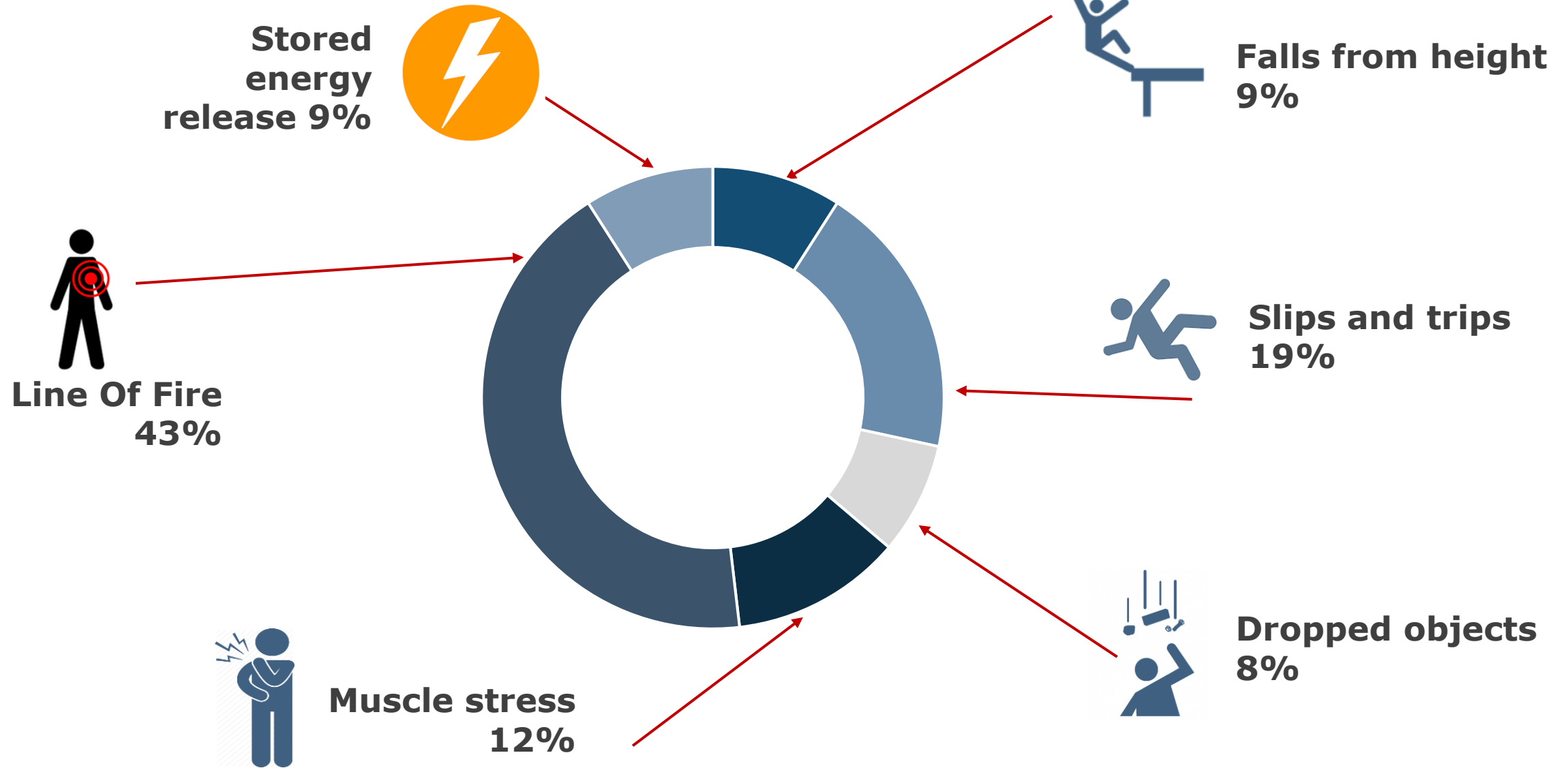
Fatal Accident Rate 2019



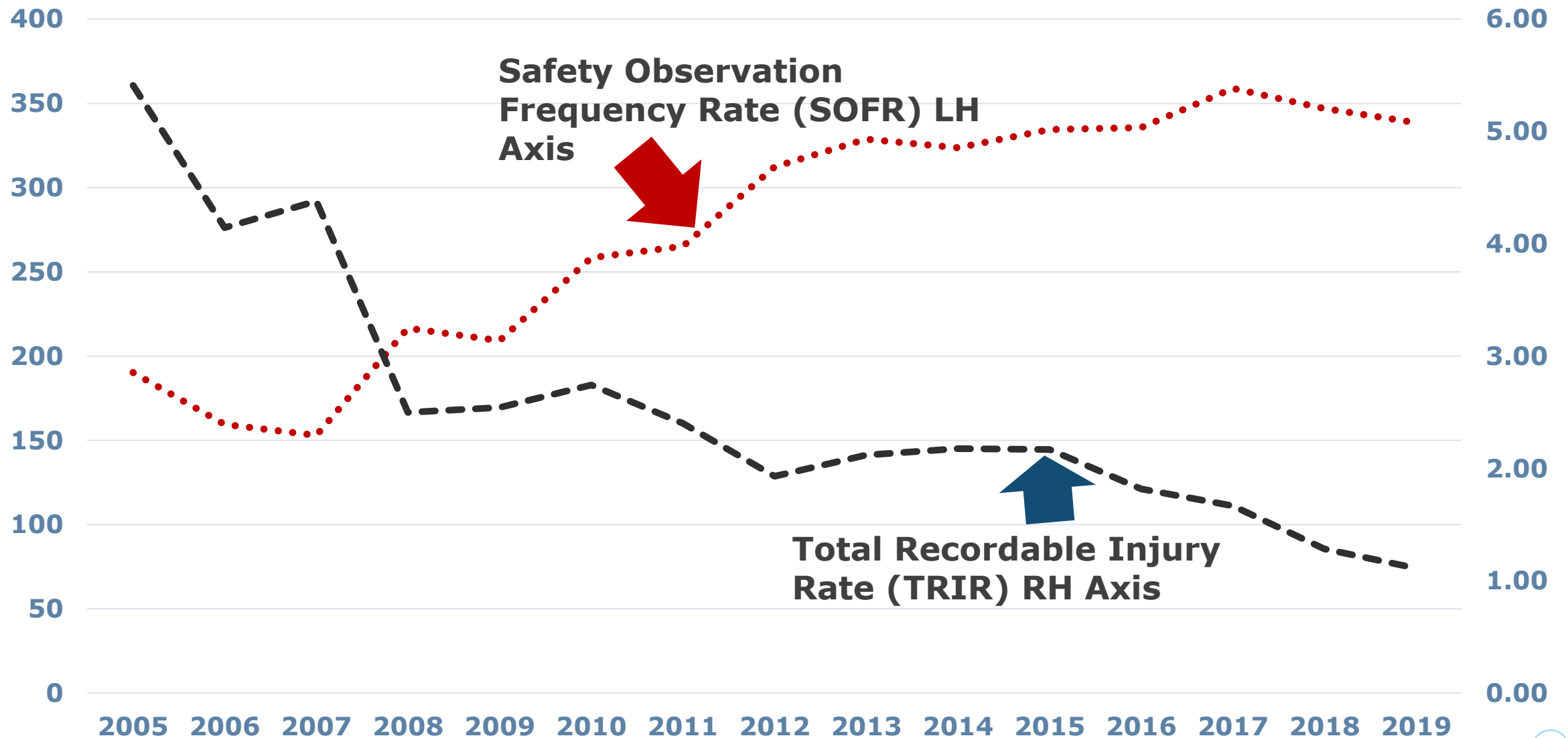
TRIR and LTIFR 2019



Main causes of 243 LTIs in 2019



Observations v Recordables



Company banding



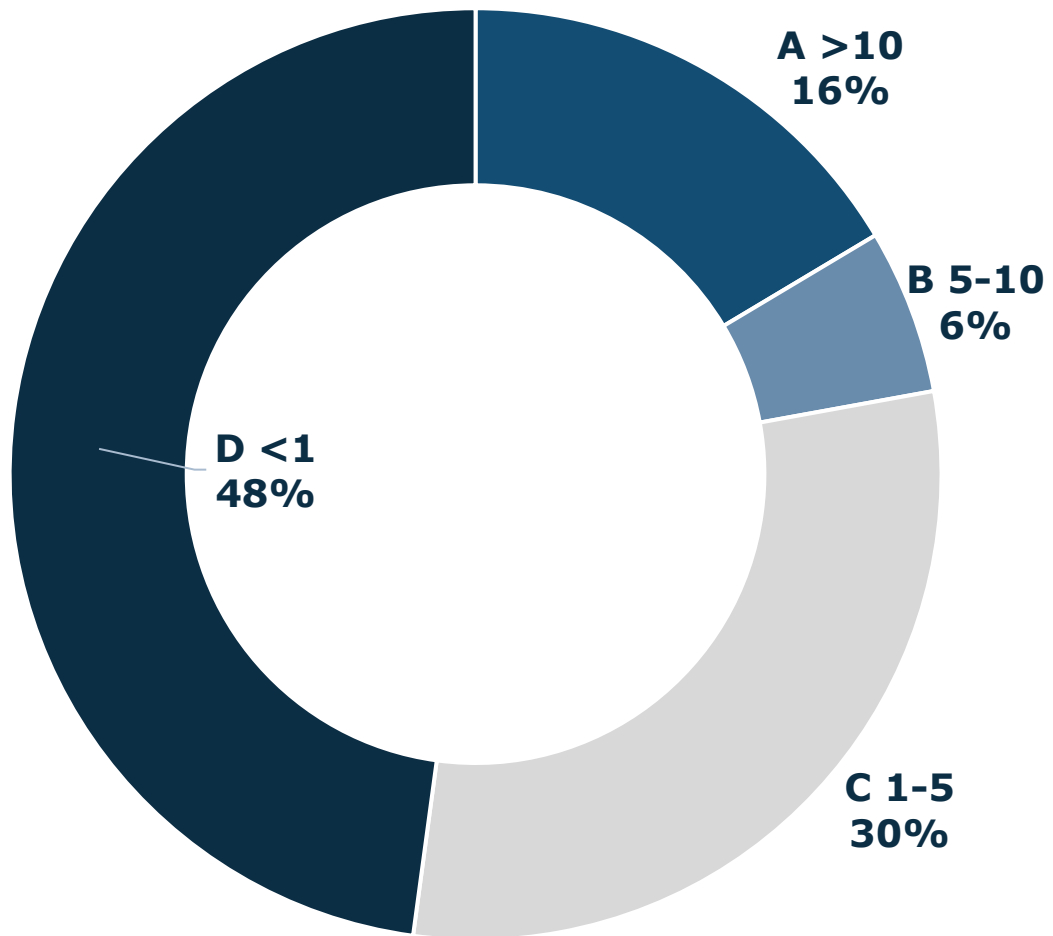
- Contractors divided into four bands
- Allowing peer group comparison / benchmarking between companies of similar size

Band man-hours

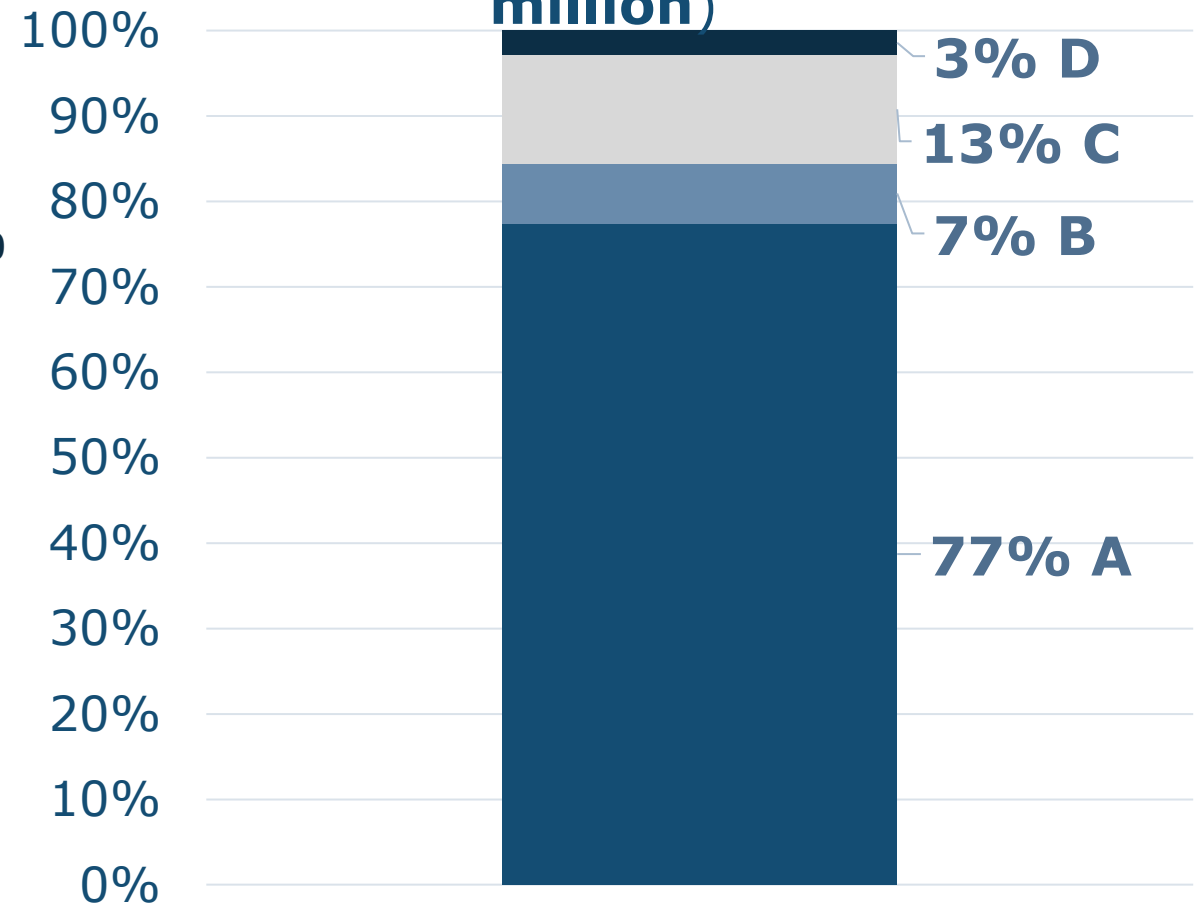
- A >10 million
- B 5-10 million
- C 1-5 million
- D <1 million

Company banding

% of total (140) contractors



% of total man-hours (802 million)

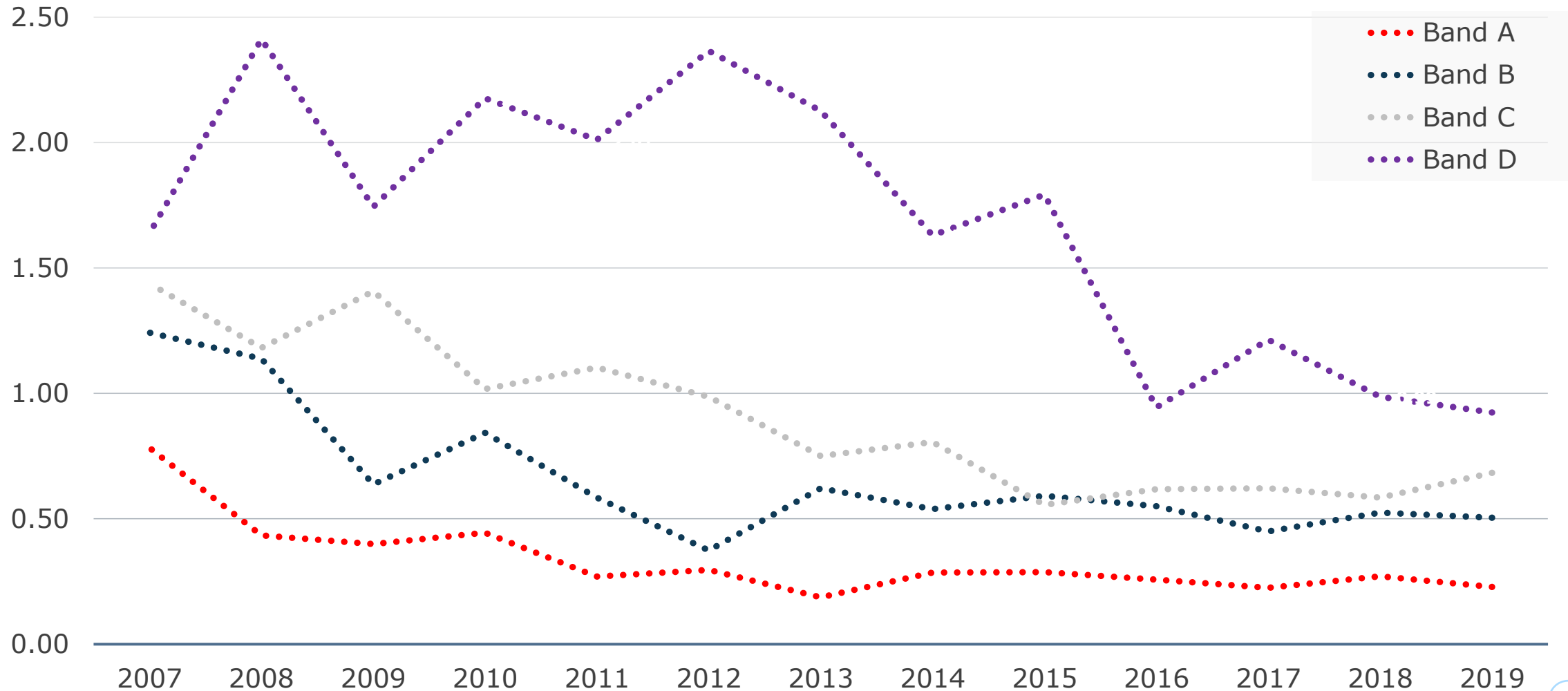


LTIFR by Company Band, n=140



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

A = 16% n, 77% mh, B = 6% n, 7% mh, C = 30% n, 13% mh, D = 48% n, 3% mh

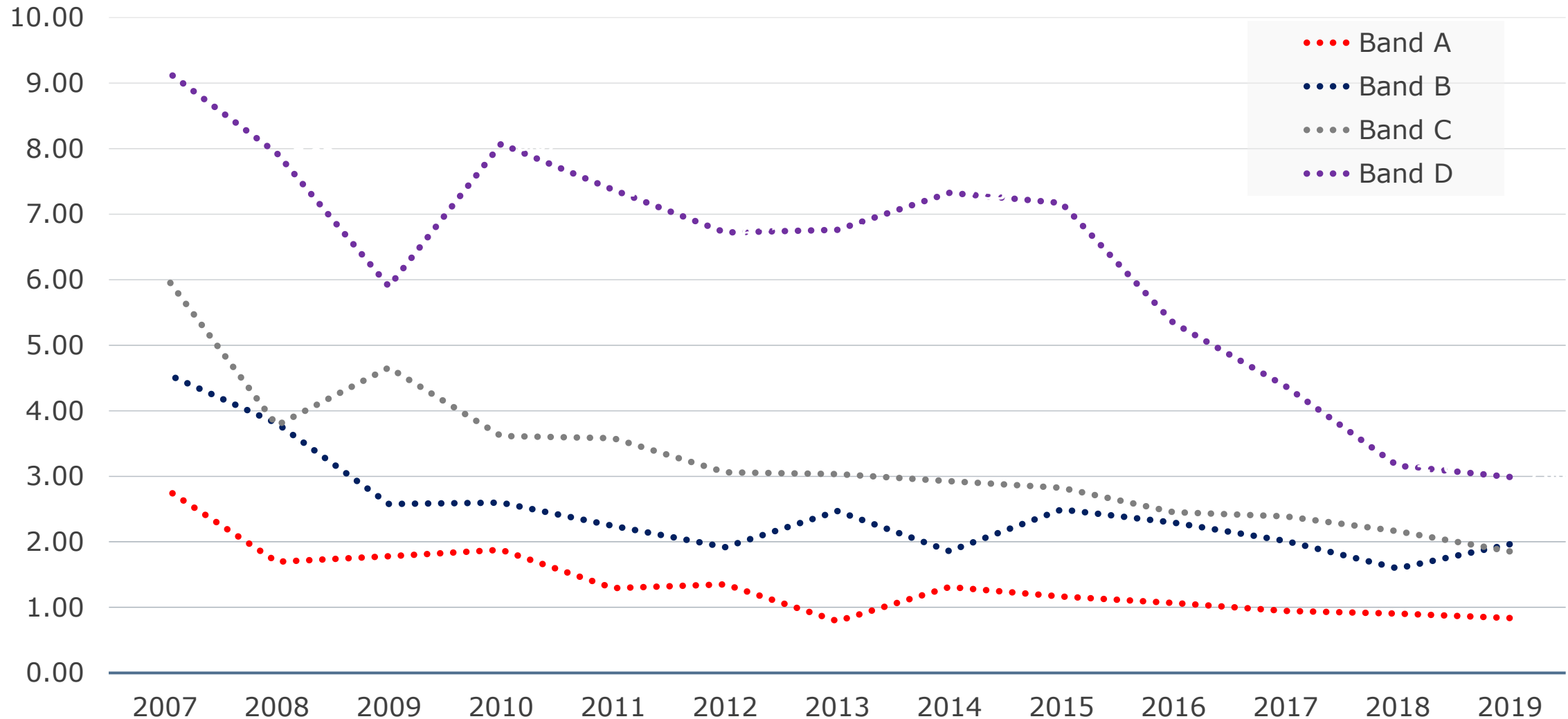


TRIR by company band, n=140



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

A = 16% n, 77% mh, B = 6% n, 7% mh, C = 30% n, 13% mh, D = 48% n, 3% mh



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.

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