MARINE Safety Forum

MSF Statistics Report 2023

Non-Contributor report.

Your company unique reference # is:

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Introduction.

- Following on from the success of previous reports, the MSF has again produced this annual membership statistics report up to the end of 2023.
- This report utilises data from 24 different member companies in total.
- Data ranges from 5 years to just 1 year depending on what data the companies were able to provide.

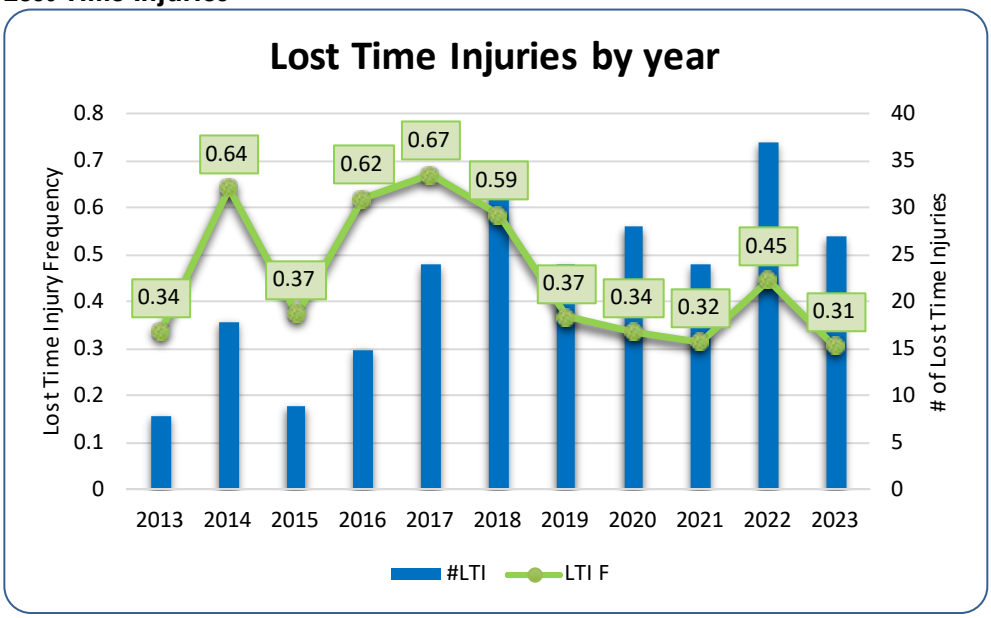
Year	# of Company data
2019	16
2020	19
2021	17
2022	20
2023	20

- All member data provided to the MSF is treated in the strictest confidence.
- The aim of the MSF Safety Statistics and this report is to:
    - Provide anonymous benchmarking feedback to our members that contribute data (OVMSA).
    - Identify industry problem areas.
    - Focus MSF communication (Safety Alerts, guidance documents) on areas that need it most.
    - Quantify industry safety standards so that they can be measured for years to come to assess and encourage improvement.
- This report contains sections called *'Company Statistical Results'* in which the data submitted by each company is directly to compared to other companies. This is done on an anonymous basis and each company is given a unique reference which represents their data throughout the report.
- This report contains sections called *'Membership Statistical Results'* where the data from all companies is combined to enable to comparison of the statistics for each of the last 5 years to show overall MSF membership rolling performance.
- The report contains topics of analysis which have been divided into lagging and leading indicators.
- The report also calculates and compares an overall lagging and leading frequency for each company and the membership in total (The formulas for which can be seen in the 'Abbreviations and Definitions' section.)
- This report (and previous reports) and the data submission template can be found at the MSF website https://www.marinesafetyforum.org/stats/
- This report only shows that data for the entire membership. A separate more detailed report is available but only for those companies that have contributed data to allow for anonymous benchmarking with other companies and the industry.

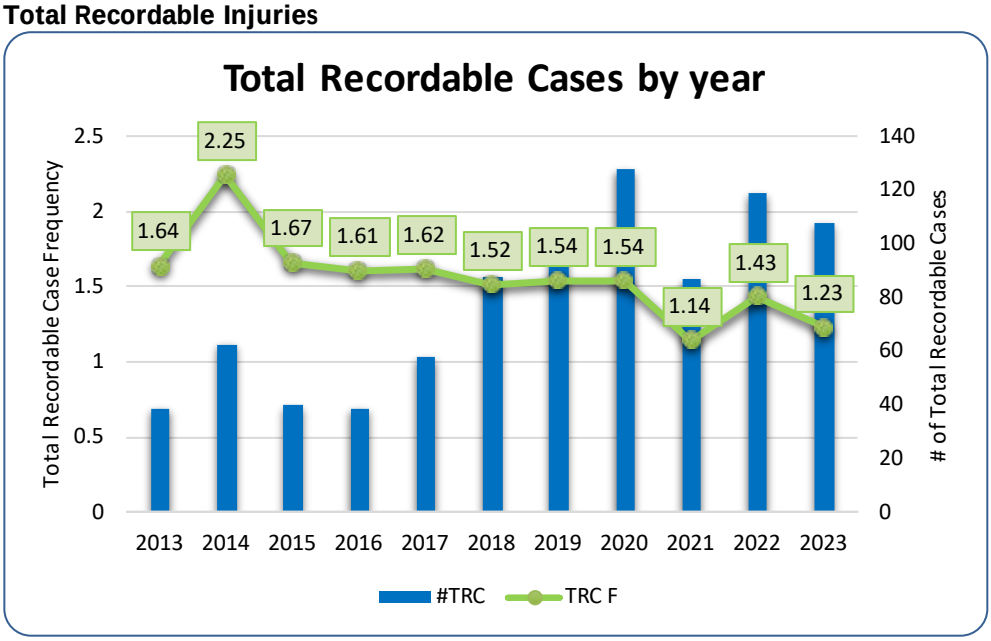
Membership Statistical Results

Lagging Indicators

Lost Time Injuries



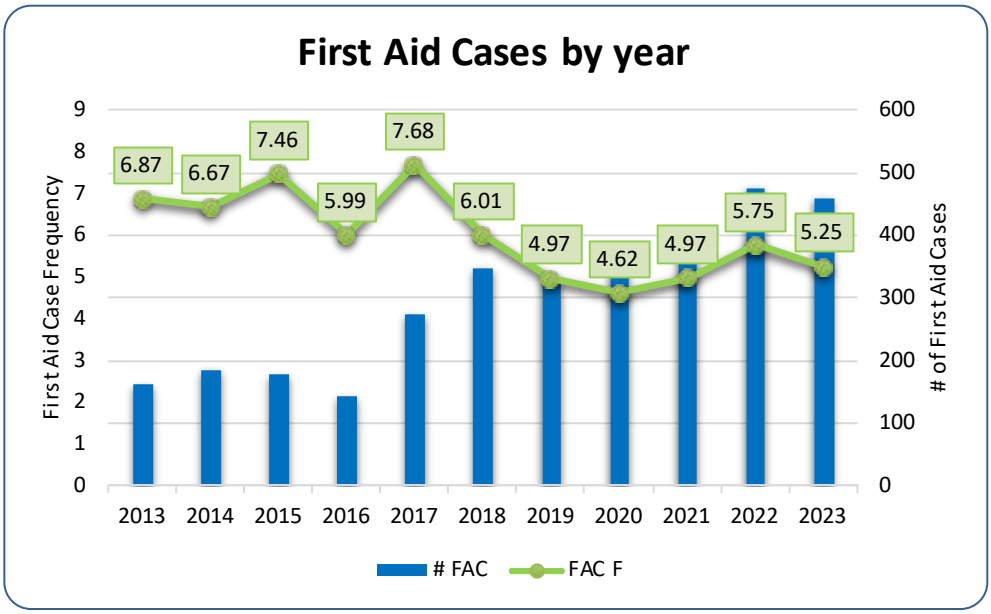
Total Recordable Injuries



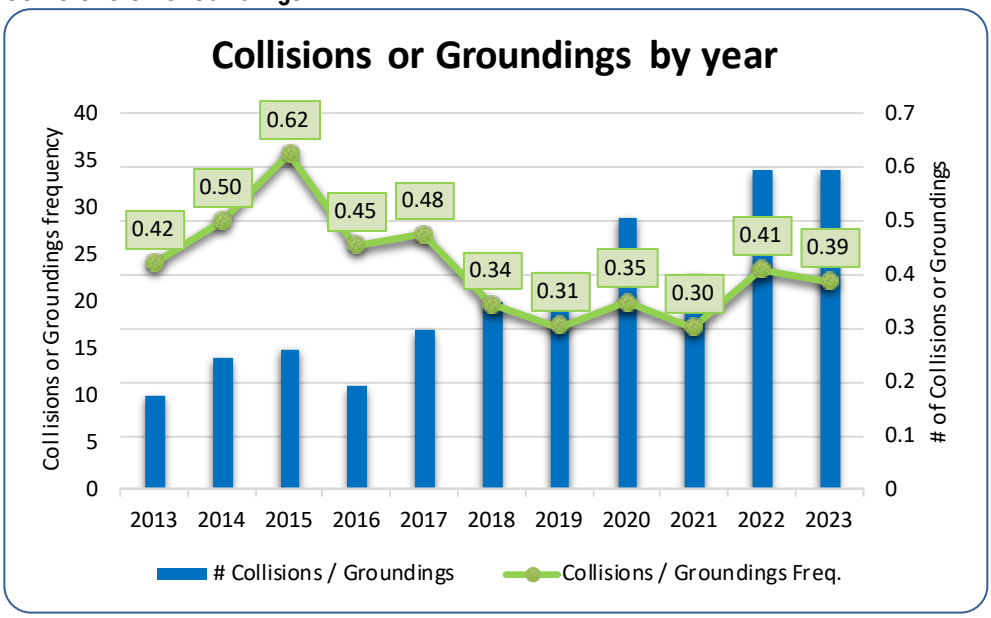
Notes:

- *#LTI & #TRC are not directly comparable due to some companies not submitting 5 years of data.*

First Aid Cases



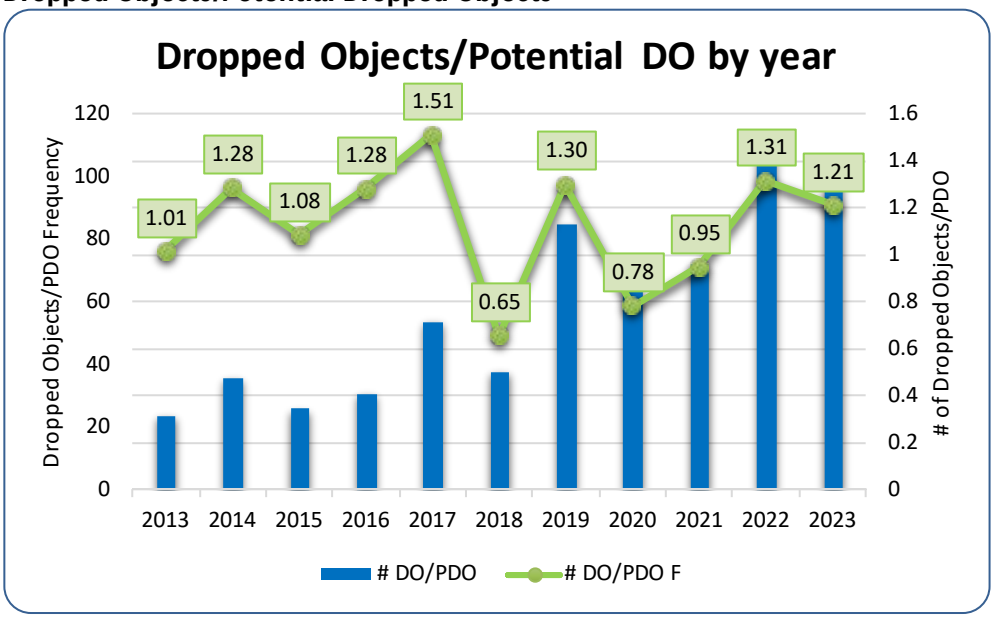
Collisions or Groundings



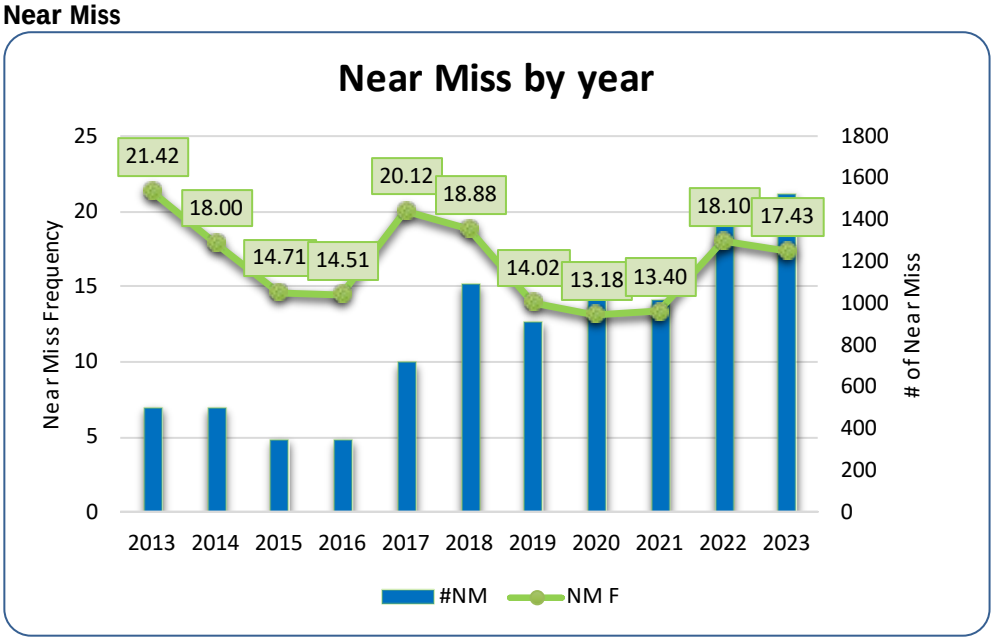
Notes:

- *#NM & #Collisions/Groundings are not directly comparable due to some companies not submitting 5 years of data.*

Dropped Objects/Potential Dropped Objects



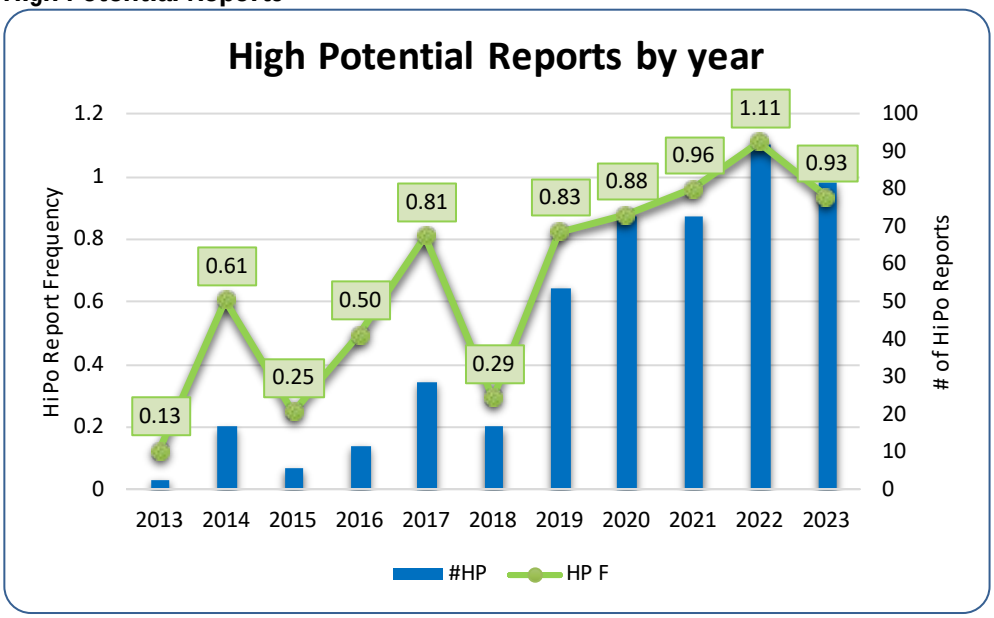
Near Miss



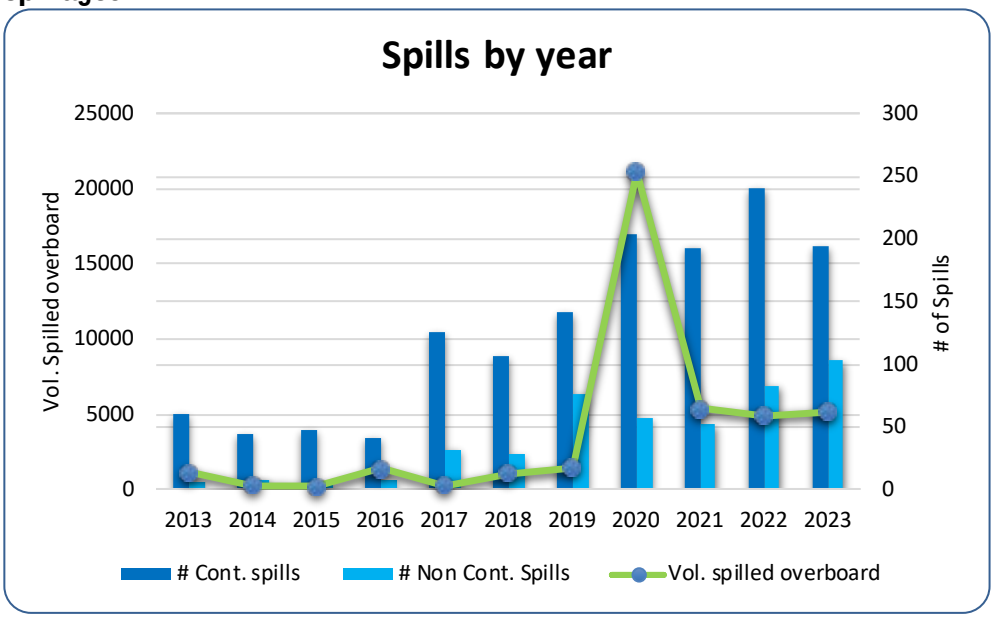
Notes:

- *#DO/DPO & #NM are not directly comparable due to some companies not submitting 5 years of data.*

High Potential Reports



Spillages



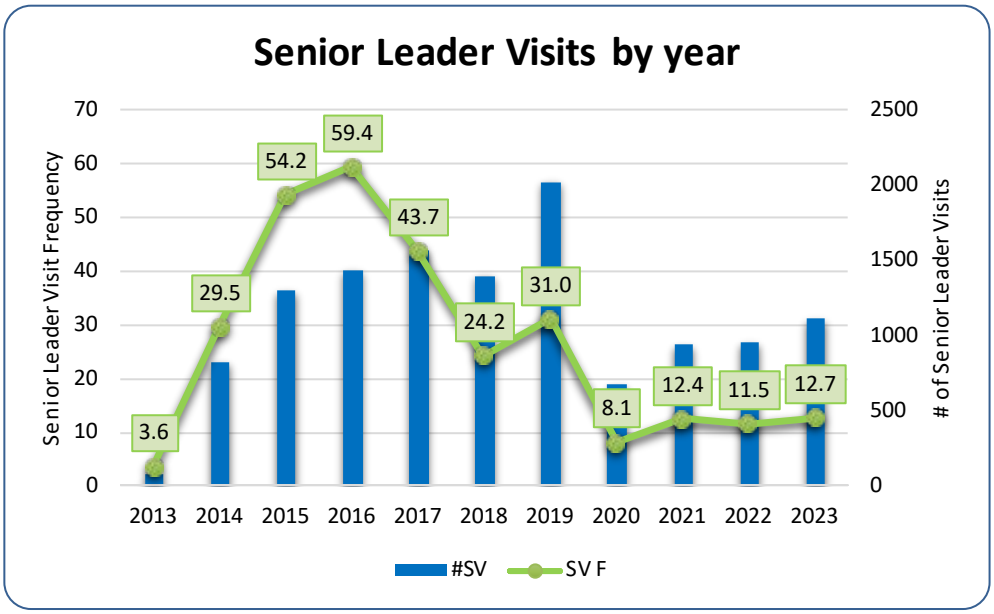
Notes:

- *#HP and #Spills are not directly comparable due to some companies not submitting 5 years of data.*

Leading Indicators

Safety Observations

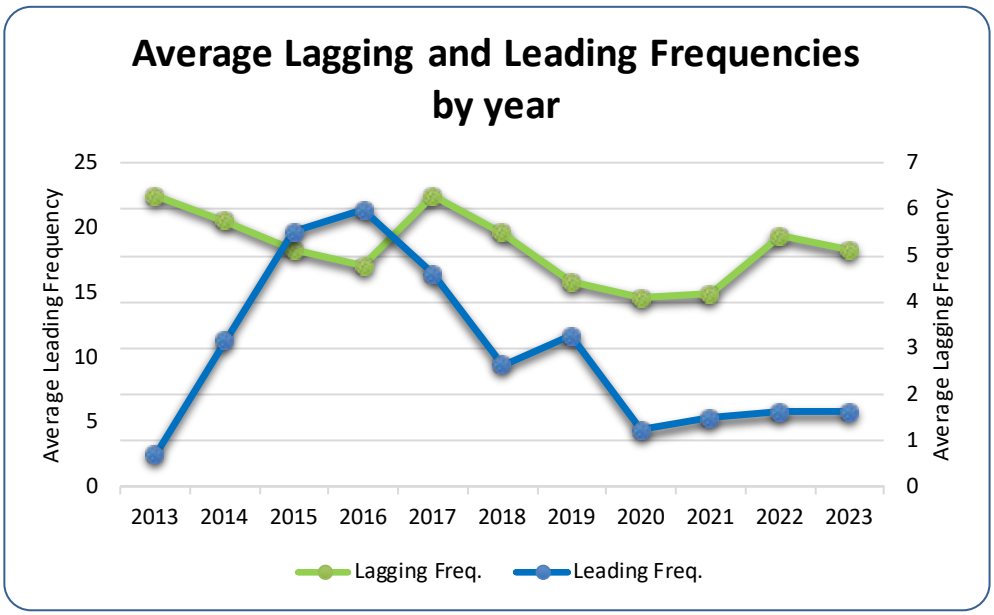
Senior Leader Visits



Notes:

- *#SV are not directly comparable due to some companies not submitting 5 years of data.*

Lagging vs Leading Indicators



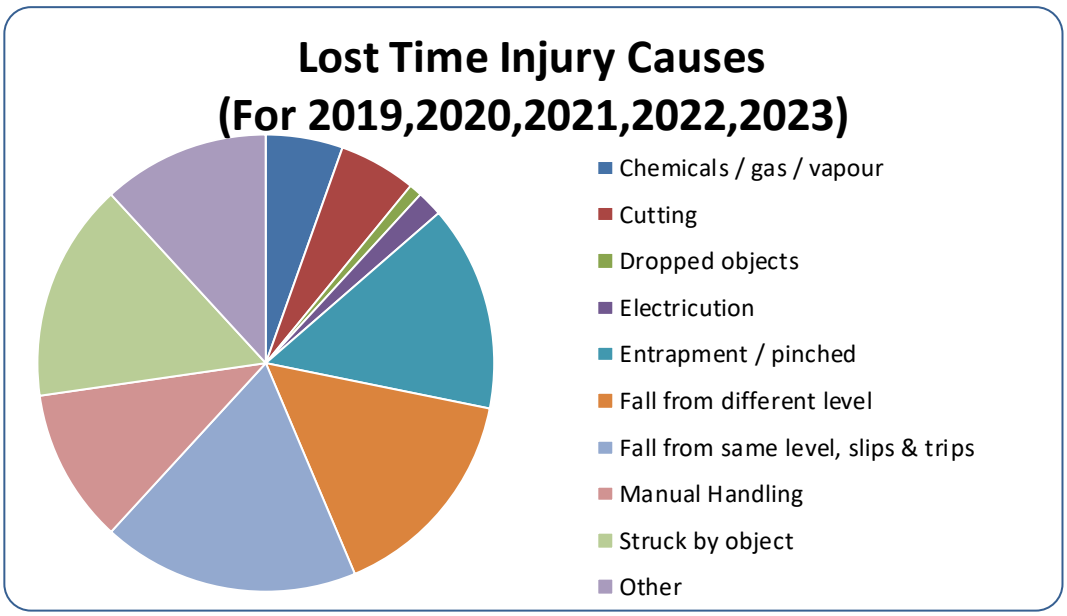
Notes:

- *For definitions of lagging and leading indicators please see section ' Abbreviations and Definitions'*

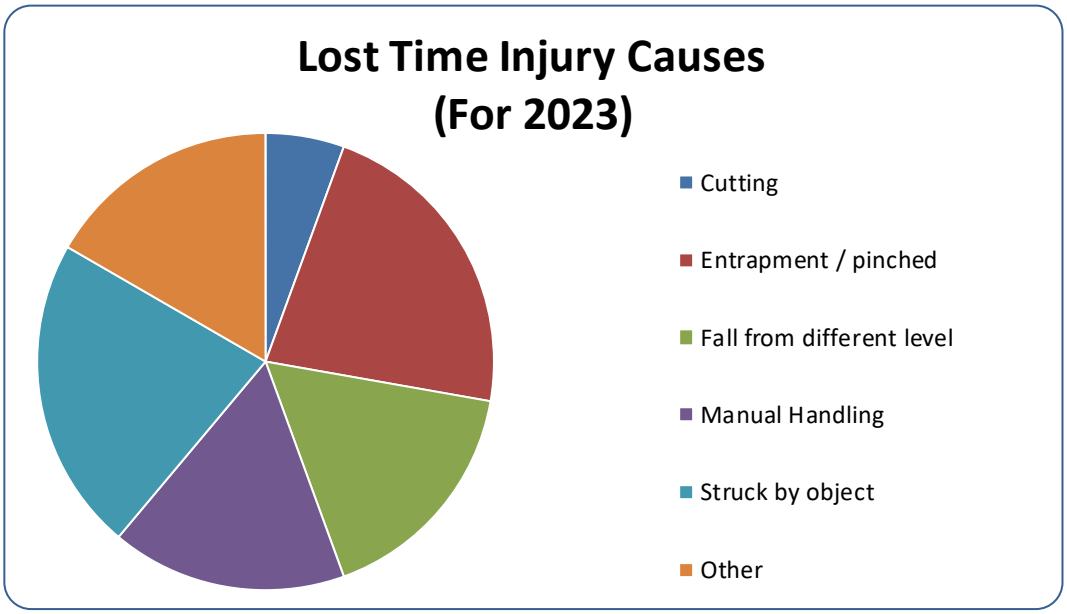
Incident Causes

Lost Time Injury Immediate Causes

Five Year Results:



2023 Results:

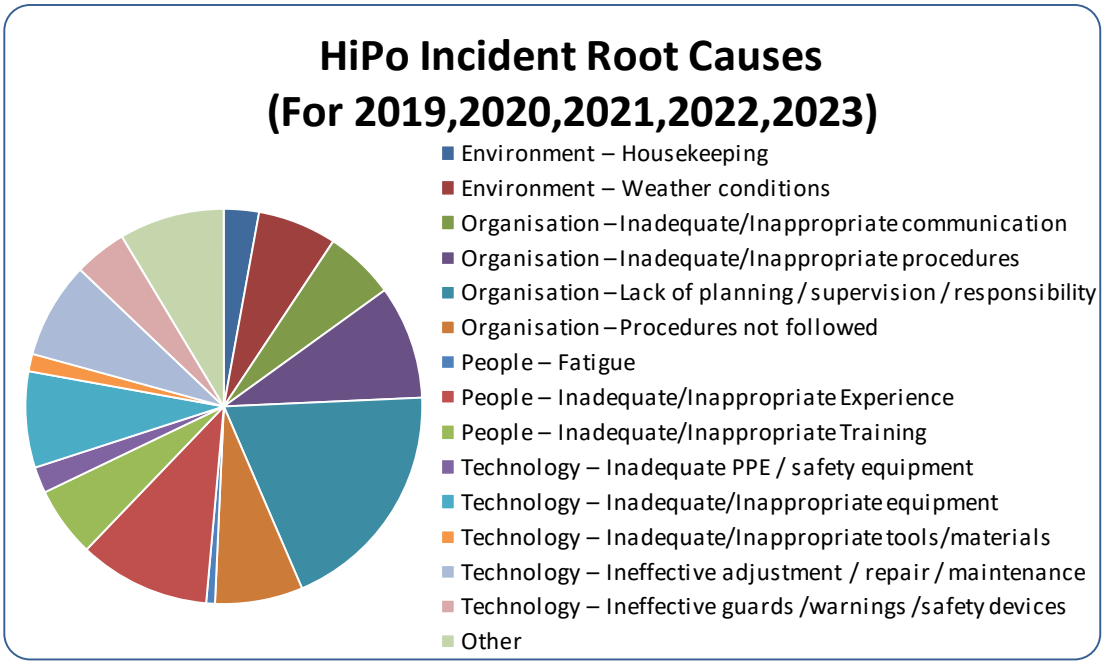


Notes:

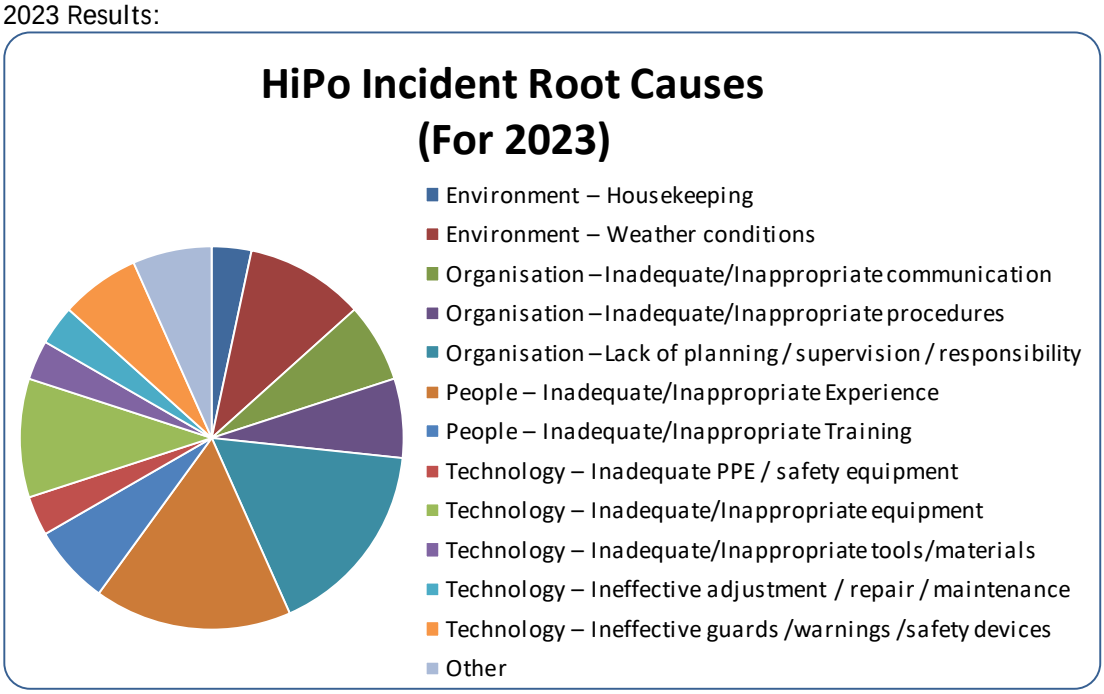
- *Causes that were not attributed to an incident are not shown in the charts above. See appendix.*

High Potential Report Root Causes

Five Year Results:



2023 Results:



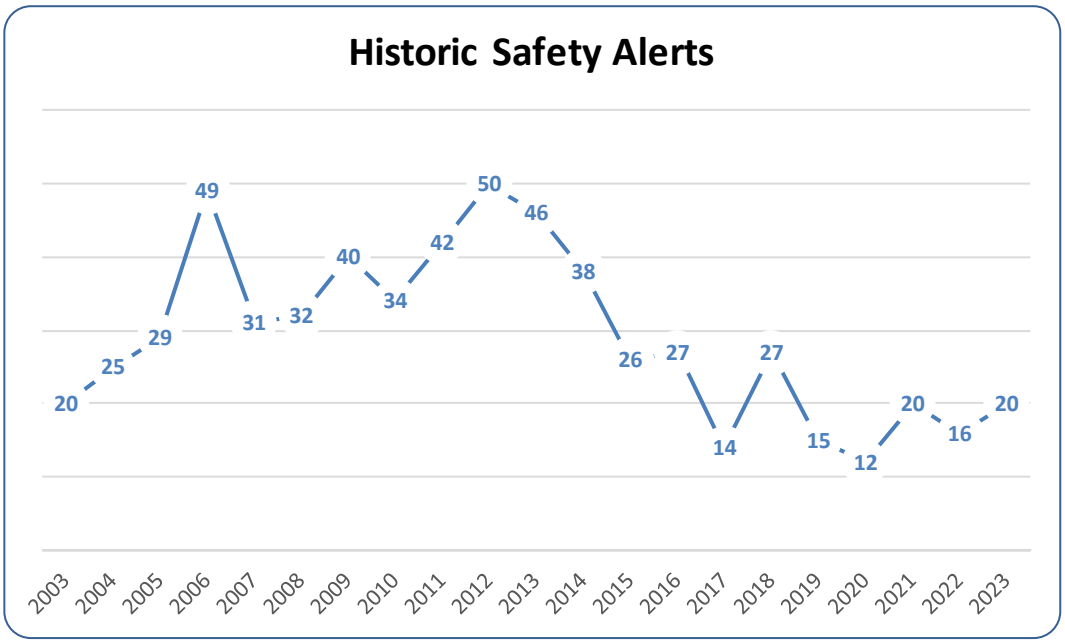
Notes:

- *Causes that were not attributed to an incident are not shown in the charts above. See appendix.*

MSF Safety Alerts

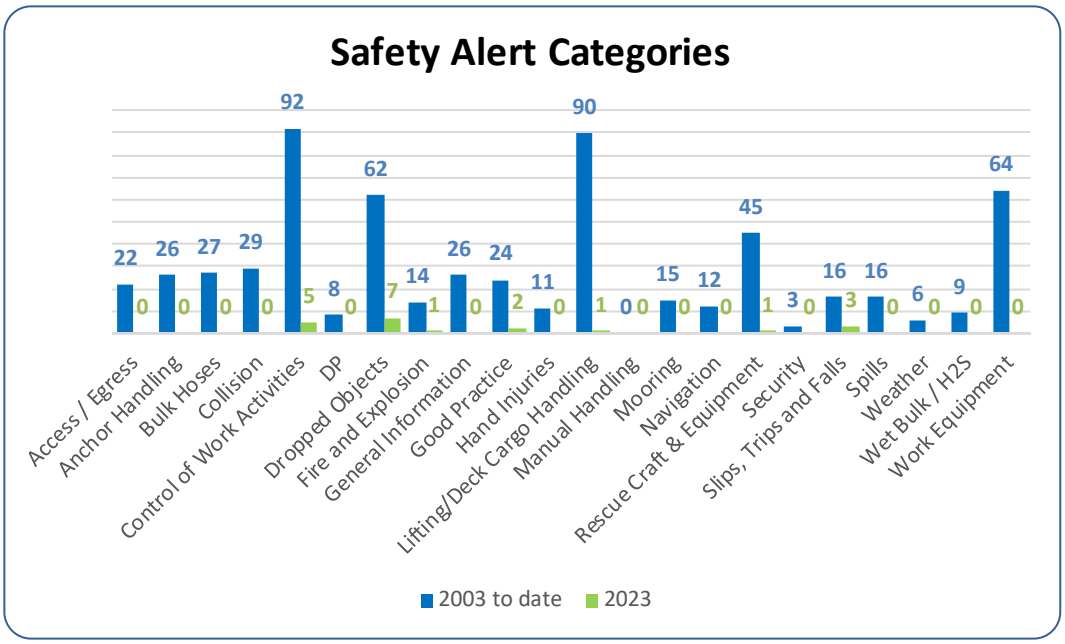
History

The following chart shows the number of safety alerts published historically by the MSF.



Categories

The following chart shows the number of safety alerts historically published for each category, for both 2023 and 2023 to date.



Appendix

Abbreviations and Definitions

The following abbreviations were used in this report:

- LTI – Lost Time Injury
- TRC – Total Recordable Cases (LTI+RWC+MTC)
- RWC - Restricted Work Cases
- MTC – Medical Treatment Case
- FAC - First Aid Case
- INC - Collisions or Grounding Incidents
- DO / PDO - Dropped Object / Potential Dropped Object
- NM – Near Miss
- HP – High Potential
- HiPo – High Potential
- SO - Safety Observation
- SV – Senior Leader (Management) Visit
- SA - Safety Alerts (submitted to MSF)

- All of the above followed by the suffix 'F' means the respective frequency:

$$\text{Frequency} = \frac{\text{Number of reports X } 1{,}000{,}000}{\text{Manhours}}$$

(With the exception of Safety Observation Frequency which is X 200,000)

- Average Lagging Frequency = $\frac{\text{TRCF+FACF+NMF+INCF+DOF}}{5}$

- Average Leading Frequency = $\frac{\text{(SOF÷100)+SVF+SAF}}{3}$

- For the purposes of this report, Safety Observations are to be considered a POSITIVE intervention to avoid an incident in future.

- 'Senior Leader (Management) for the purposes of this report is to be considered as executive and/or senior management level.

Causes

The following causes were given as options for the LTI immediate cause:

- Chemicals / gas / vapour
- Cutting
- Dropped objects (caused by gravity)
- Electrocution
- Entrapment / pinched
- Fall from different level
- Fall from same level, slips & trips
- Manual Handling
- Struck by object (caused by a force other than gravity)
- Other

The following causes were given as options for the HiPo Report root cause:
Technology – Equipment failure

- Technology – Inadequate/Inappropriate equipment
- Technology – Inadequate/Inappropriate tools/materials
- Technology – Ineffective guards /warnings /safety devices
- Technology – Inadequate PPE / safety equipment
- Technology – Ineffective adjustment / repair / maintenance
- Organisation – Inadequate/Inappropriate procedures
- Organisation – Procedures not followed
- Organisation – Lack of planning / supervision / responsibility
- Organisation – Inadequate/Inappropriate communication
- Organisation – Lack of resources
- Environment – Housekeeping
- Environment – Weather conditions
- Environment – Temperature extremes
- Environment – Noise
- Environment – Lighting
- Environment – Ventilation
- People – Inadequate/Inappropriate Experience
- People – Inadequate/Inappropriate Training
- People – Insufficient Physical ability
- People – Fatigue
- People – Stress
- Other

Submission Form

The following form was used for the submission of data used in this report:

MARINE Safety Forum

Vessel Operator Safety Statistics

Information shared with the MSF will be treated in the strictest confidence

Company name		
Areas of Operation	Africa	
	Asia/Pacific	
	Europe	
	Middle East	
	North America	
	South America	
	Other	

Year	2022	
Number of Vessels		
Type of Vessel Fleet	Anchor Handling Tug Supply	
	Emergency Response & Rescue Vessel	
	PSV	
	Seismic	
	Subsea Support Vessel	
	Windfarm	
	Other	

Exposure Hours

Exposure Hours recorded	
Recording method	

Indicators

Number Of Fatalities	
Number of Lost Time Incidents	
Number of Restricted Work Cases	
Number of Medical Treatment Cases	
Total Number of Recordable injuries	
Number of First Aid Cases	
Number of collisions / Groundings	
Number of Dropped or potential dropped objects	
Number of Near Miss reports	
Number of Hi-Po reports	
Number of Safety Observations	
Number of Senior Leader visits	
Number of Safety Alerts sent to MSF	

Environmental

Number of Contained Spills	
Number of Non Contained Spills	
Approx. volume (litres) of total Non Contained Spills	

Frequency Rates

Lost Time Frequency Rate, Based on 1M Hours	
Total recordable Frequency Rate, Based on 1M Hours	
Safety Observation Frequency Rate, Based on 200K Hours	

Fatality / LTI Causes

LTI 1	
LTI 2	
LTI 3	
LTI 4	
LTI 5	
LTI 6	
LTI 7	
LTI 8	
LTI 9	
LTI 10	

Hi-Po Causes

Hi-Po 1	
Hi-Po 2	
Hi-Po 3	
Hi-Po 4	
Hi-Po 5	
Hi-Po 6	
Hi-Po 7	
Hi-Po 8	
Hi-Po 9	
Hi-Po 10	

Safety Observation Trends

1st	
2nd	
3rd	

Further Comments: