Mariner Personal Safety (MPS)
Near Miss Statistics

Safety Moment

Near Miss Database

- Currently 45,298 Near Miss Reports in the database
- Analyses completed on the Near Miss data set:
  - Cause of Near Miss
  - Vessel Type
  - Location of Near Miss
  - Category/Type of Near Miss
    - PPE Near Miss Reports
    - Equipment Near Miss Reports
    - Access Near Miss Reports
    - Safety Equipment Near Miss Reports

Definition of a Near Miss

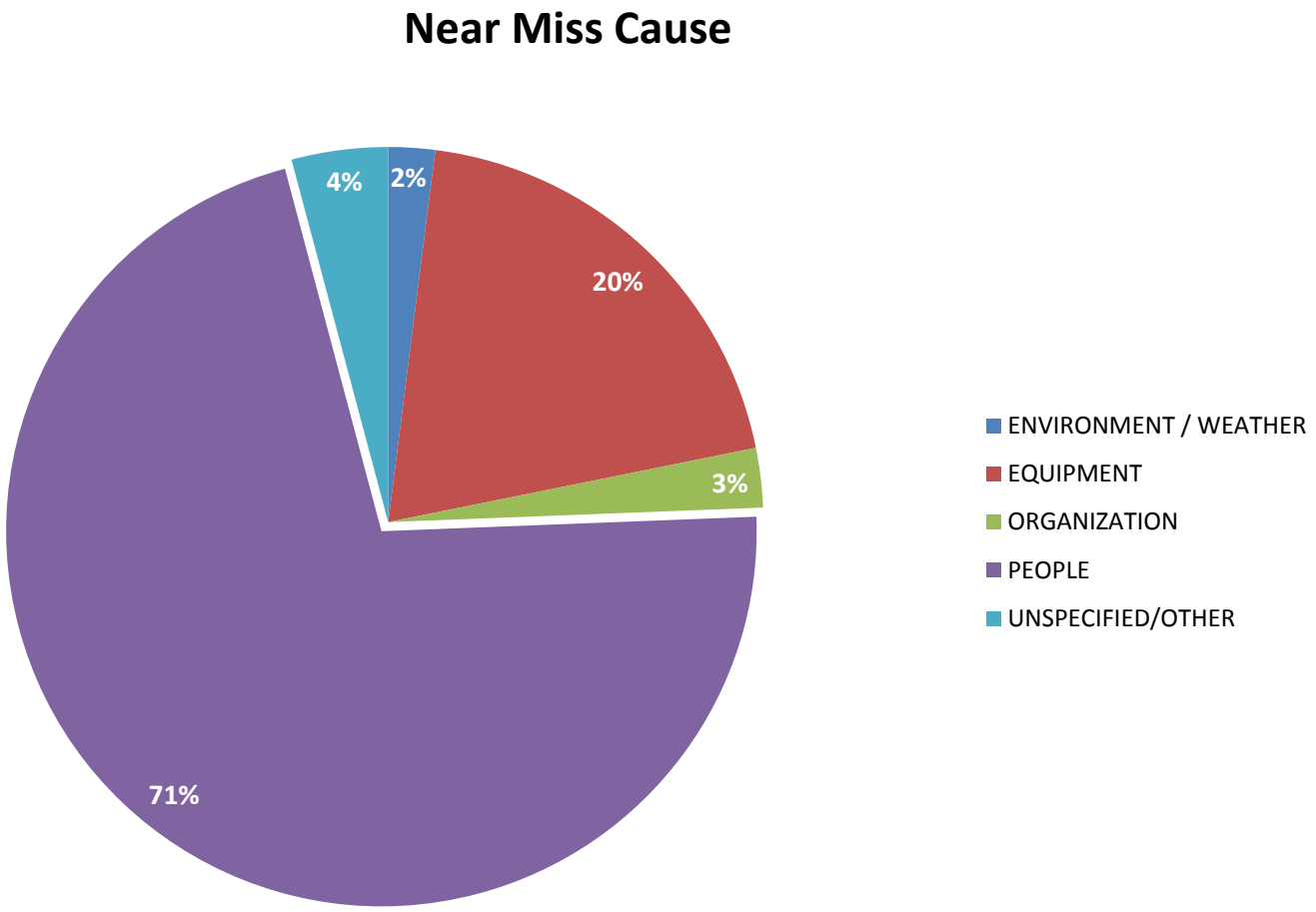
- An unsafe or hazardous condition exists
- The unsafe condition is in proximity to an activity that is underway or about to commence
- The hazard is identified and precautions or corrective actions are taken before the condition leads to an accident
- ABS defines a near miss as an event where no contact or exchange of energy occurred and thus did not result in personal injury

Sample Near-misses: PPE Not Used

1. While cleaning filters with chemicals, a crew member did not use the safety goggles as required by the PPE chart
2. Duty Engineer found in Engine Room at his evening round in slippers
3. A person was noticed working from a portable ladder which was unsecured without a safety harness. They were using one hand to hold on to a pipe nearby while the other hand was using a portable electric grinder. As the person was asked to come down, they weren't wearing any safety goggles while using the electric grinder

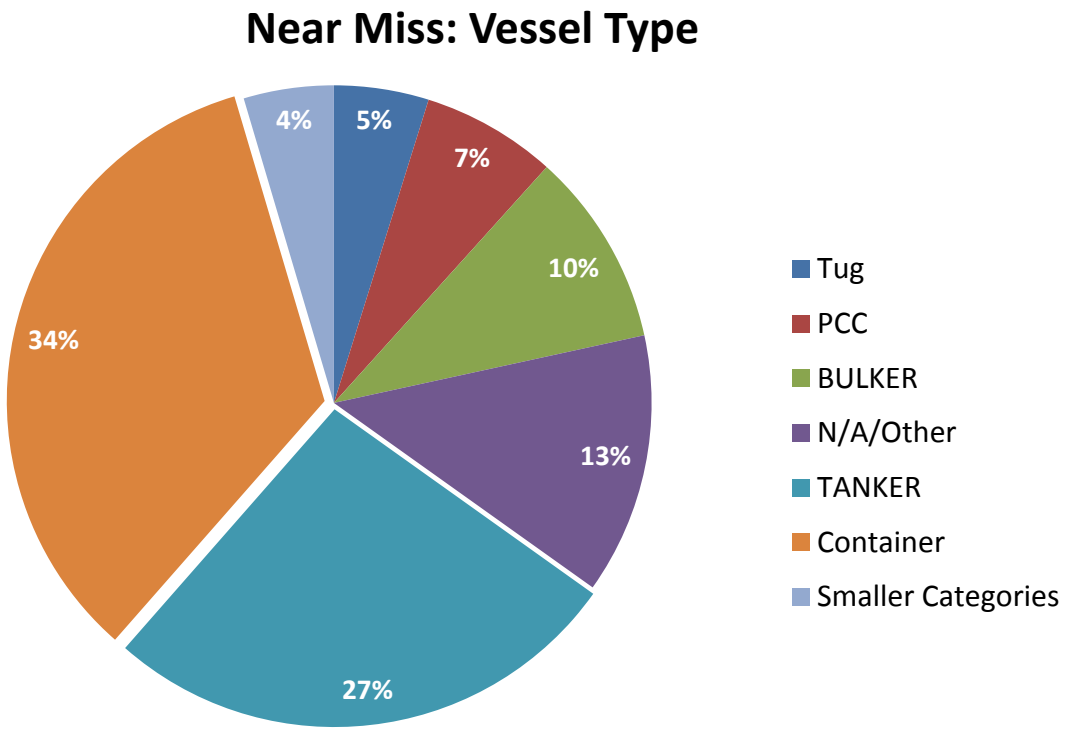
Cause of Near Miss

- 71% of all Near Miss Incidents have the cause listed as "People"



Vessel Type

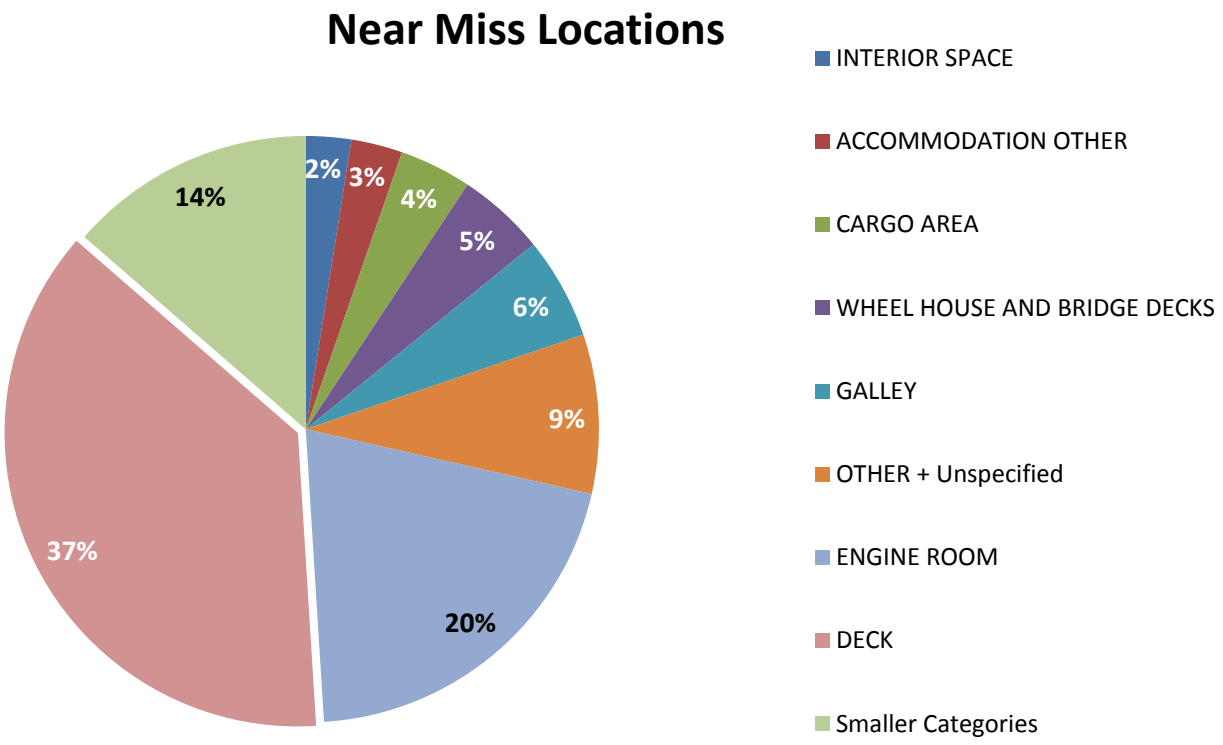
- Over 50% of Near Misses occurred on Container (34%) and Tanker Vessels (27%)



"Smaller categories" include: ATB Tug/Barge, Line boat, ATB, Ship, Barge/barge deck, LNG, General cargo, and LPG

Location of Near Miss

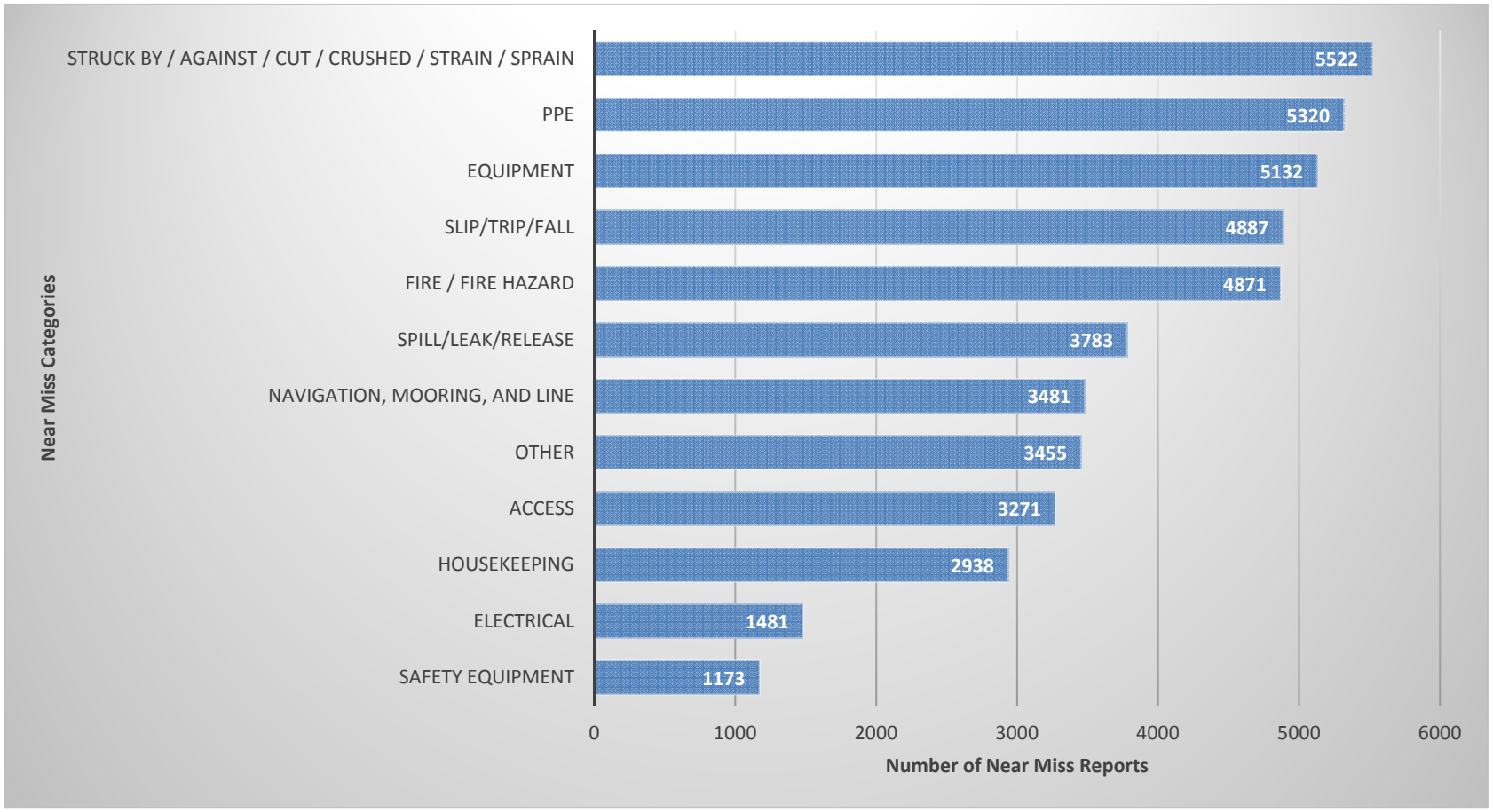
- 37% of all Near Misses occurred on the Deck



"Smaller Categories" include: Medical, Electric Shop, Bathroom, smoking area, meeting/recreational, Gym/pool, bunker tank, garbage space, ballast tank general, pump room, crew cabin, ashore, storage space, gangway, laundry room, lifeboat, & workshop

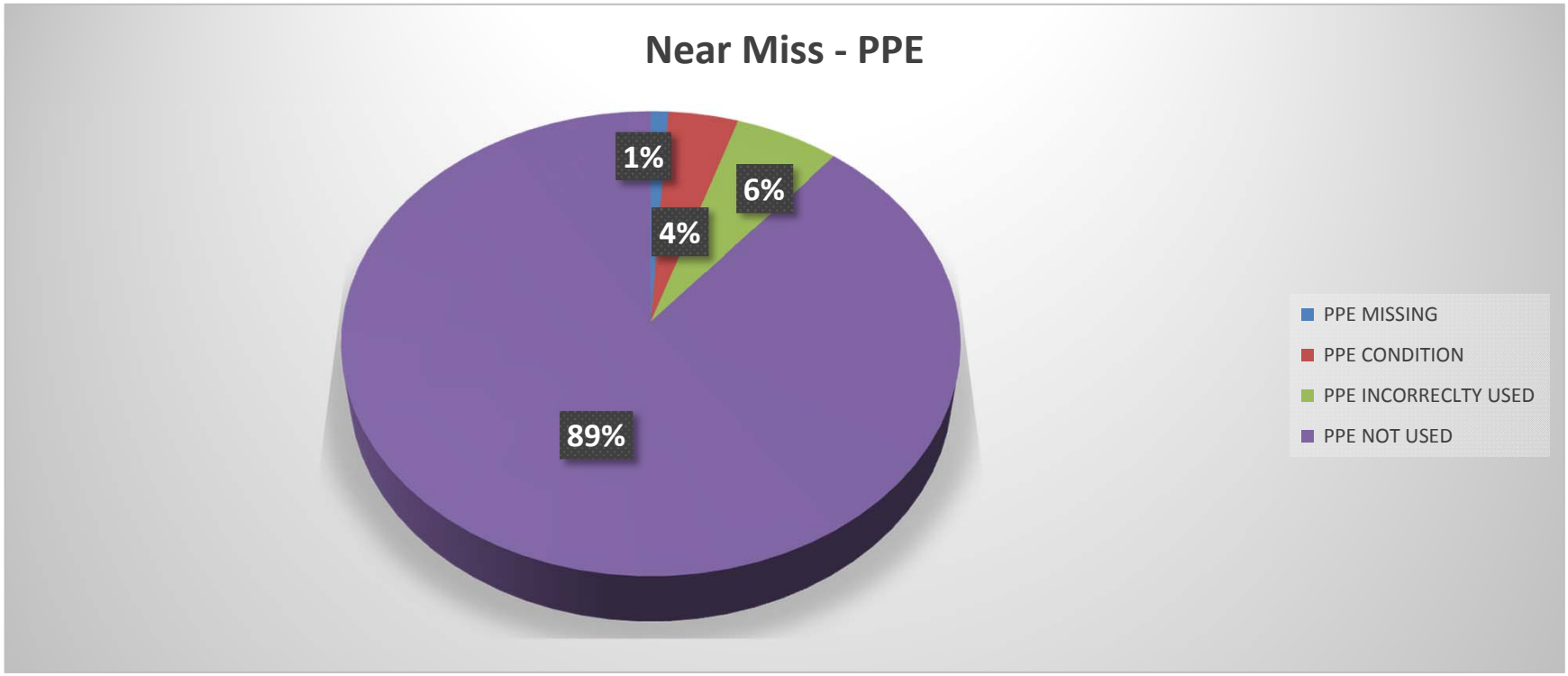
Category of Near Miss (Low Detail)

- The most common types of Near Misses in the database are: Struck by/Against, Cut, Crushed, Strain/Sprain and PPE



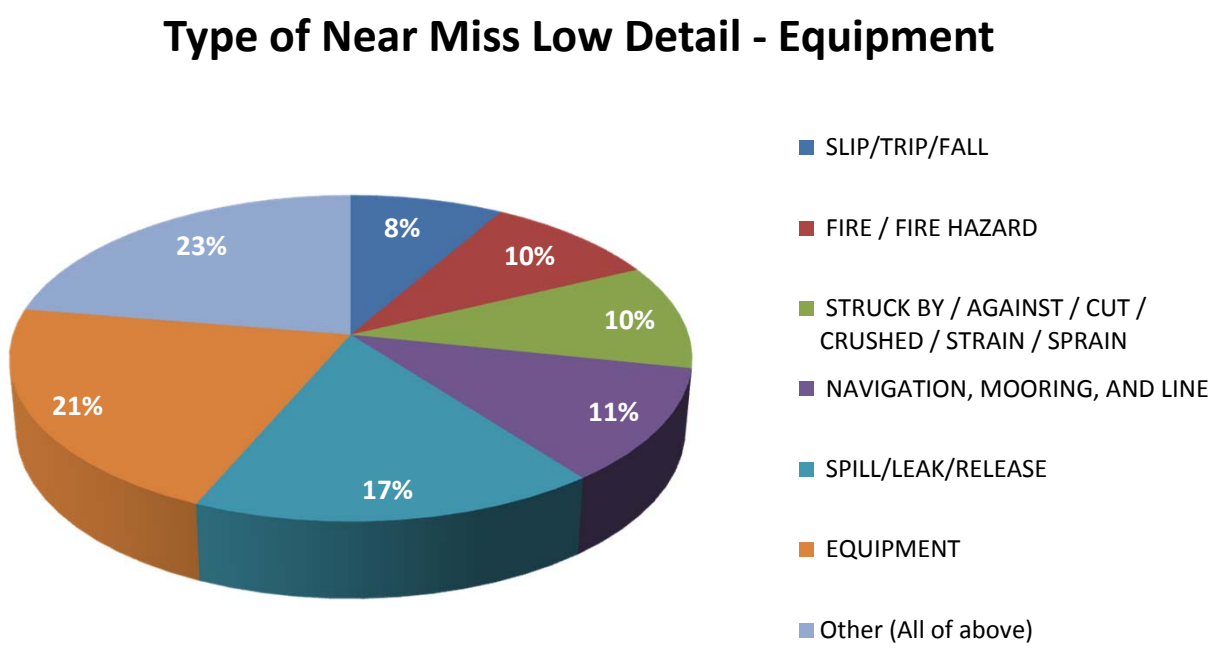
PPE Related Near Miss Reports

- In a random sample of 200 records from PPE reports, almost 90% of PPE Near Miss Reports were because of PPE not being used



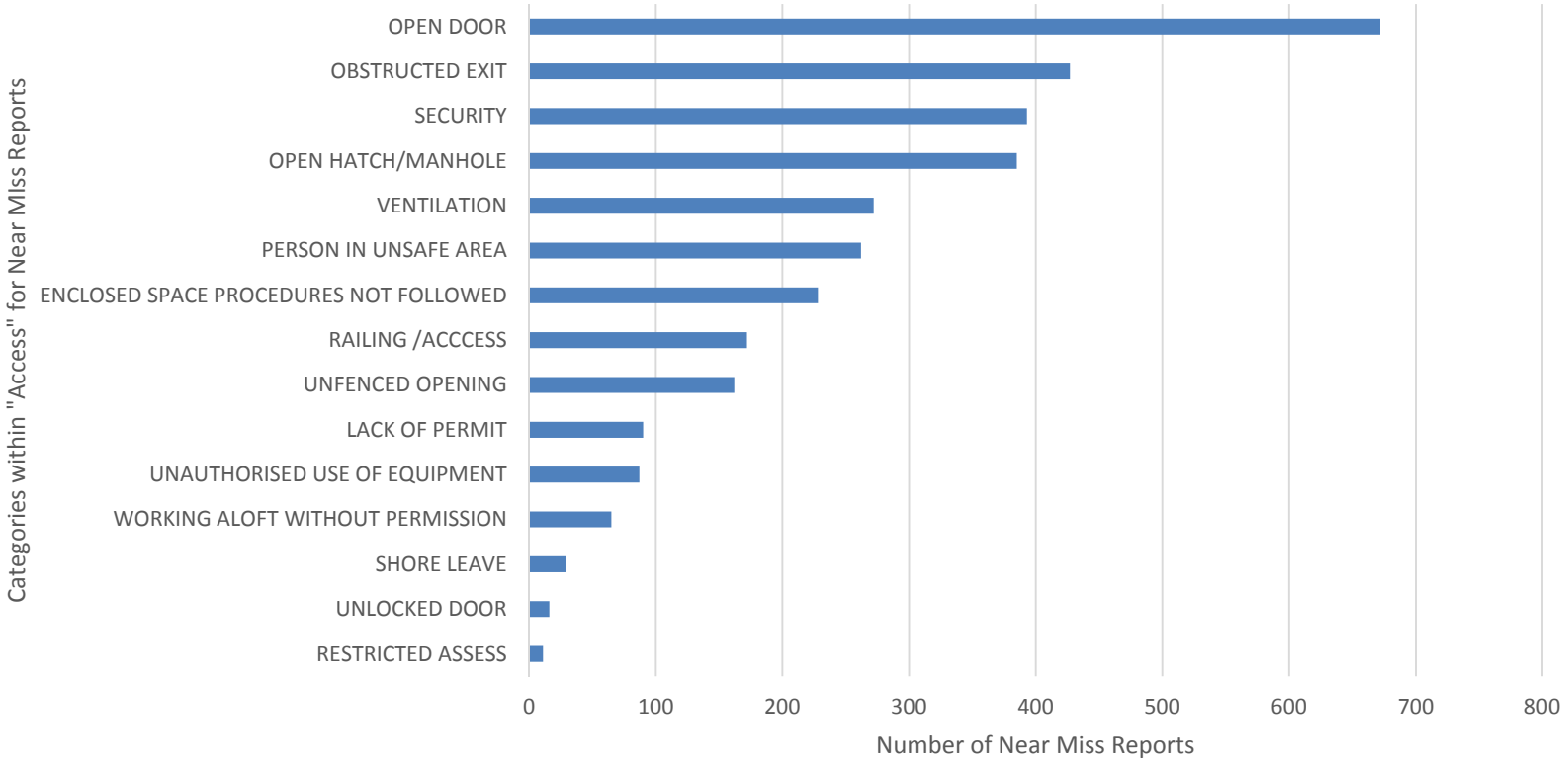
Equipment Related Near Miss Reports

- 8,979 records in near miss database are attributed to "Equipment"
- This category is broken down in the chart below



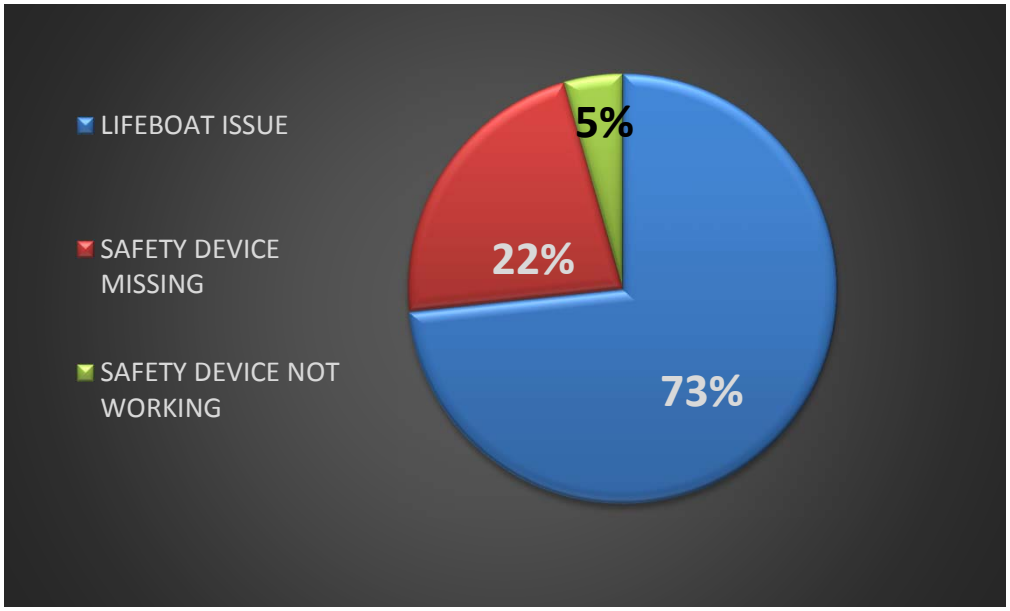
Access Related Near Miss Reports

- 3.721 “Access” related Near Miss Reports



Safety Equipment Related Near Miss Reports

- 1173 Near Miss Reports related to “Safety Equipment”
- 73% of the Safety Equipment Reports are related to Lifeboat Issues



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