



**ABS**

# **Mariner Personal Safety (MPS) Injury Statistics**

# Safety Moment



# Overview of Injuries in MPS Database

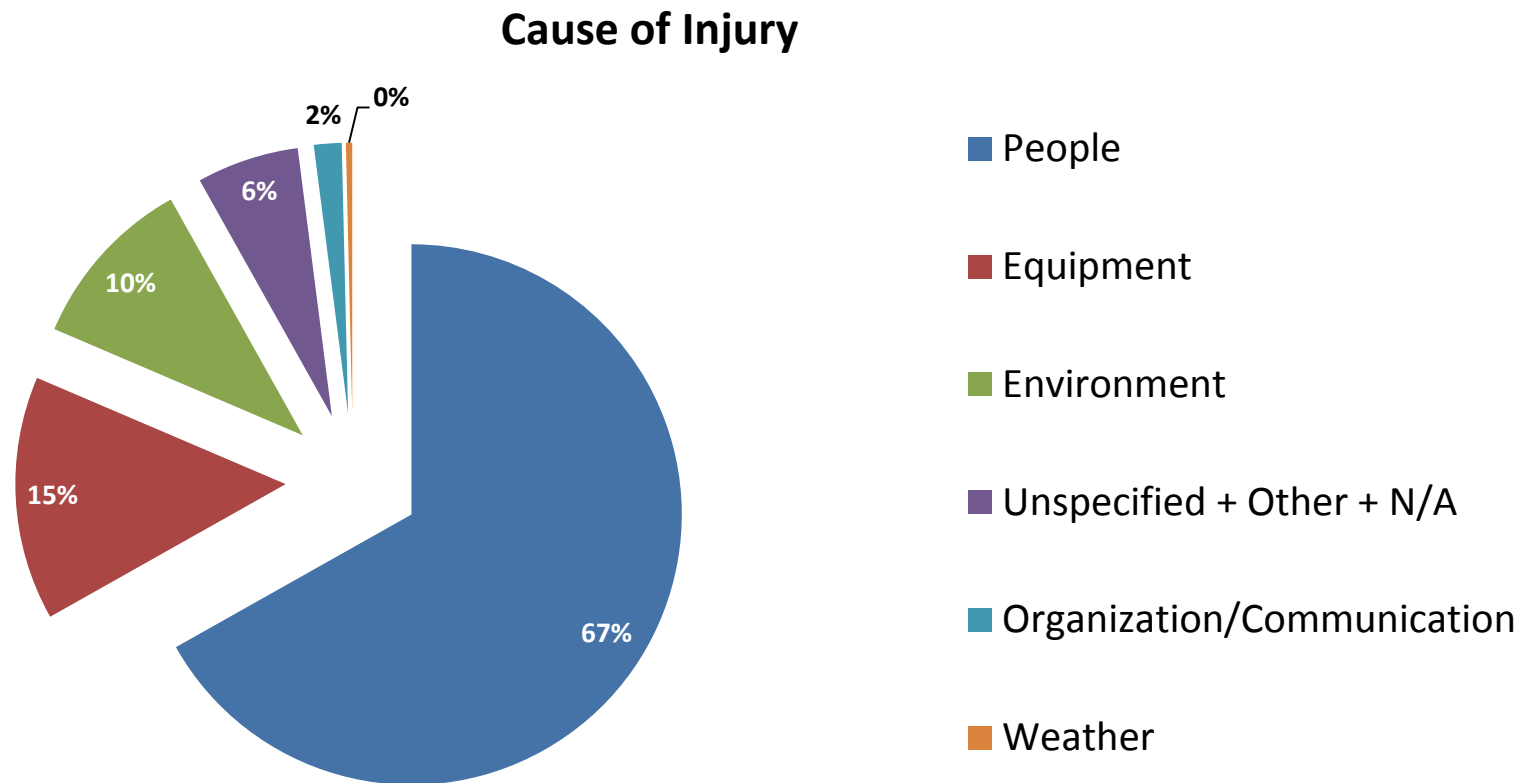
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- 8,501 injuries within the MPS database
- High-level injury statistics completed on categories including:
  - Cause of Injury
  - Injury Severity
  - Type of Injury
  - Vessel Type
  - Location on Vessel of Injury
    - Detailed analyses of injuries on “deck”
  - Location of Injury on Body
  - Type of Event during Injury
    - Detailed analyses of “struck by” injuries
    - Detailed analyses of “fall” injuries



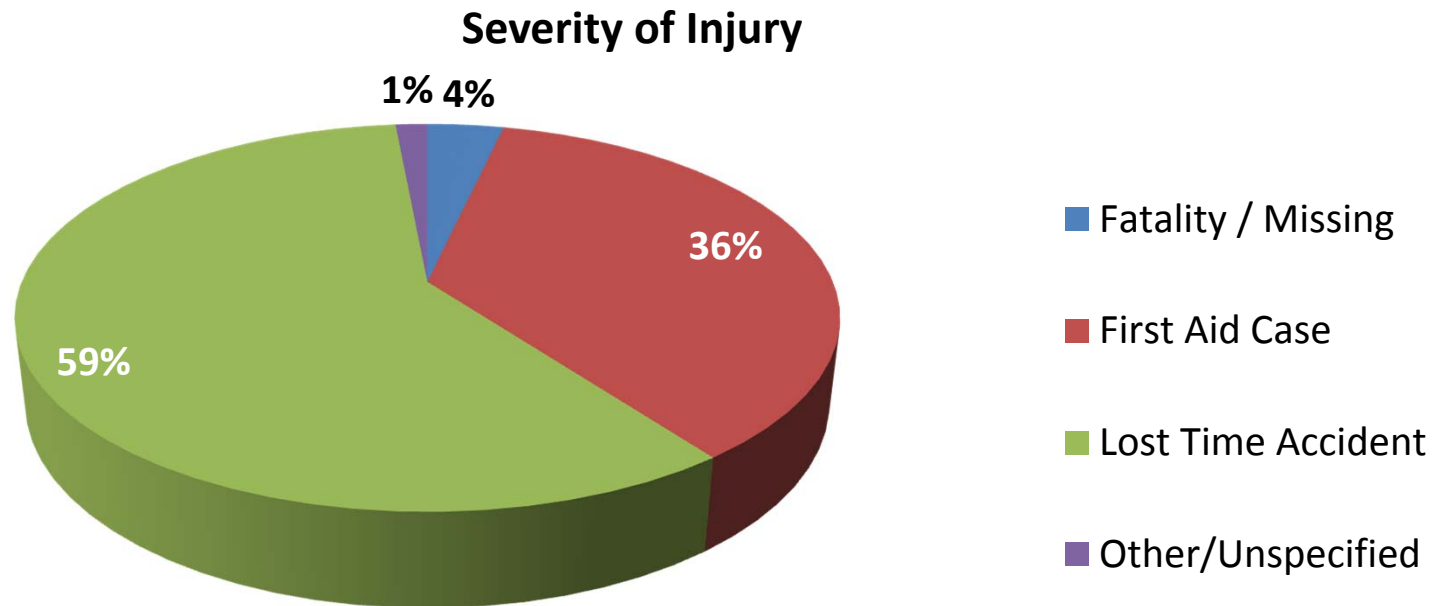
# Main Cause of Injury

People represent 67% of the “main cause of injury”



# Severity of Injury

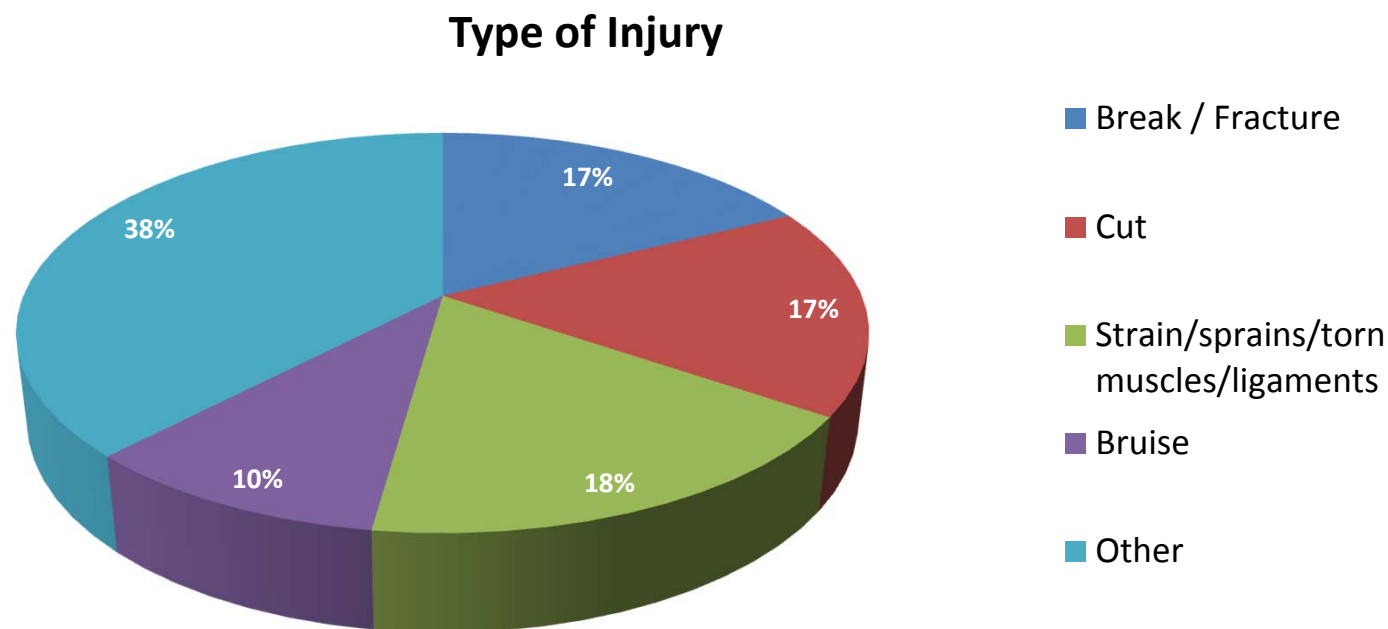
- **Lost time Incidents (LTIs)** account for almost 60% of the data in the injury database, followed by a **First Aid Cause** at 36%



The "Other/Unspecified" category includes very categories: sink, not available, near miss, and equipment damage

# Type of Injury

- There is almost an even split between the type of injuries: Break/Fracture (17%), Cuts (17%) and Strains/Sprains/Torn Muscles and Ligaments (18%)



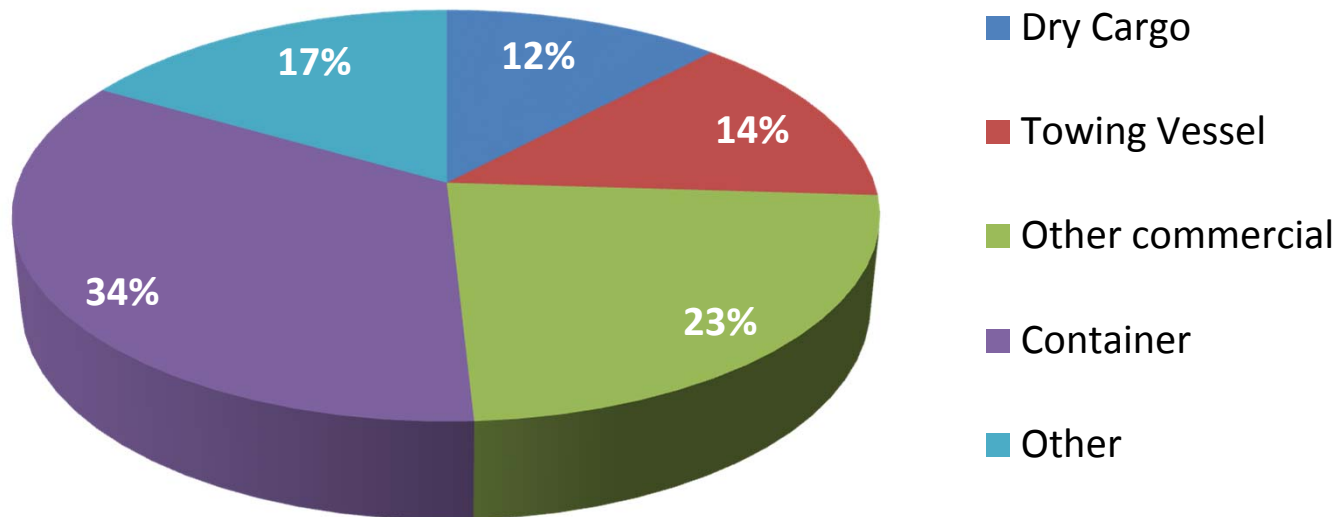
The “other” 15 includes: Amputation, burn, chemical exposure, crush/trauma, crushed fingers/hand, death, decompression, dislocation, eye injuries, foreign bodies, head injury, illness, none, pain, respiratory/asphyxiation, and swelling.

# Vessel Type

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- 34% of incidents within the MPS database occur on **containerships**

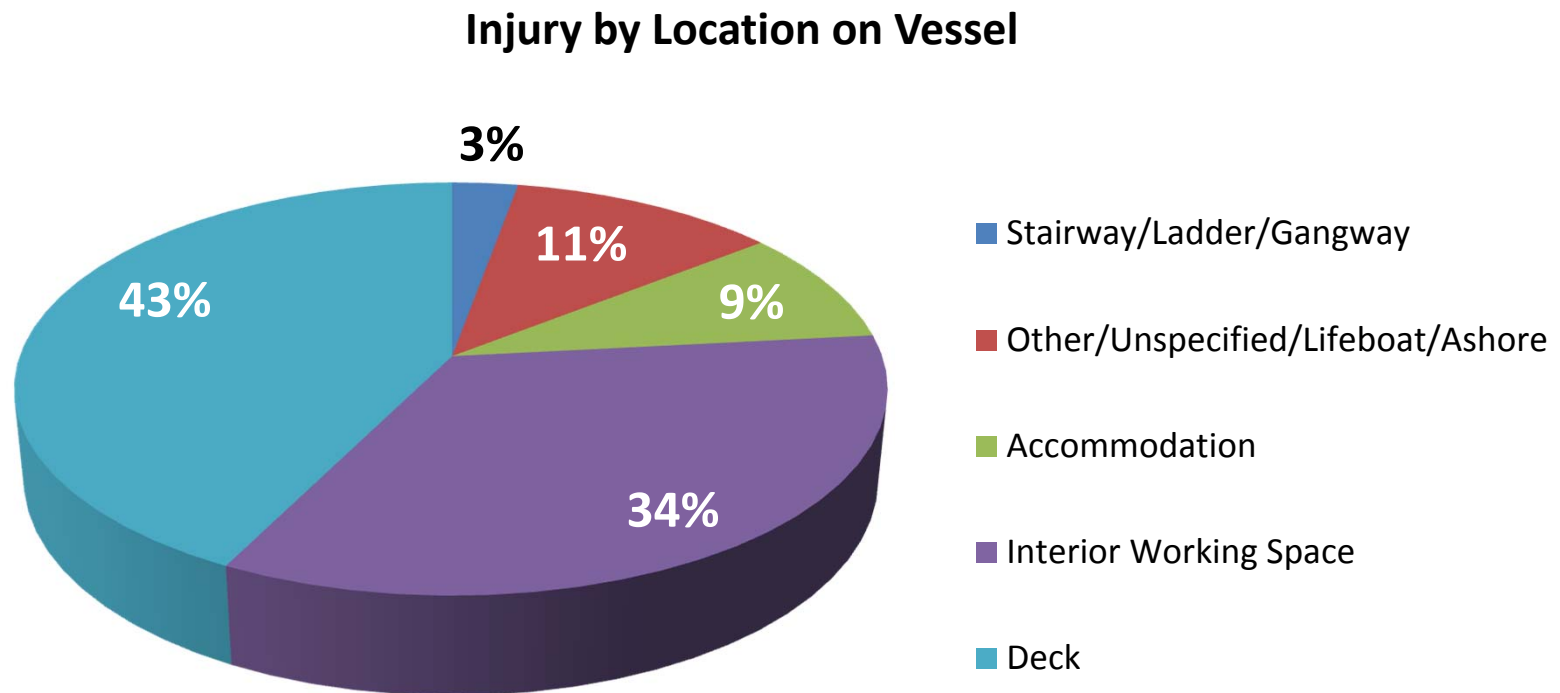
Injuries based on Vessel Type



“Other” category includes: refrigerated cargo ship, unspecified, research ship, Miscellaneous, bulk carrier, tank ship, Ro-Ro cargo ship, barge, offshore, and tanker/combination

# Location on Vessel of Injury

- The deck (43%) and interior working spaces (34%) represent the most common locations for injuries on vessels

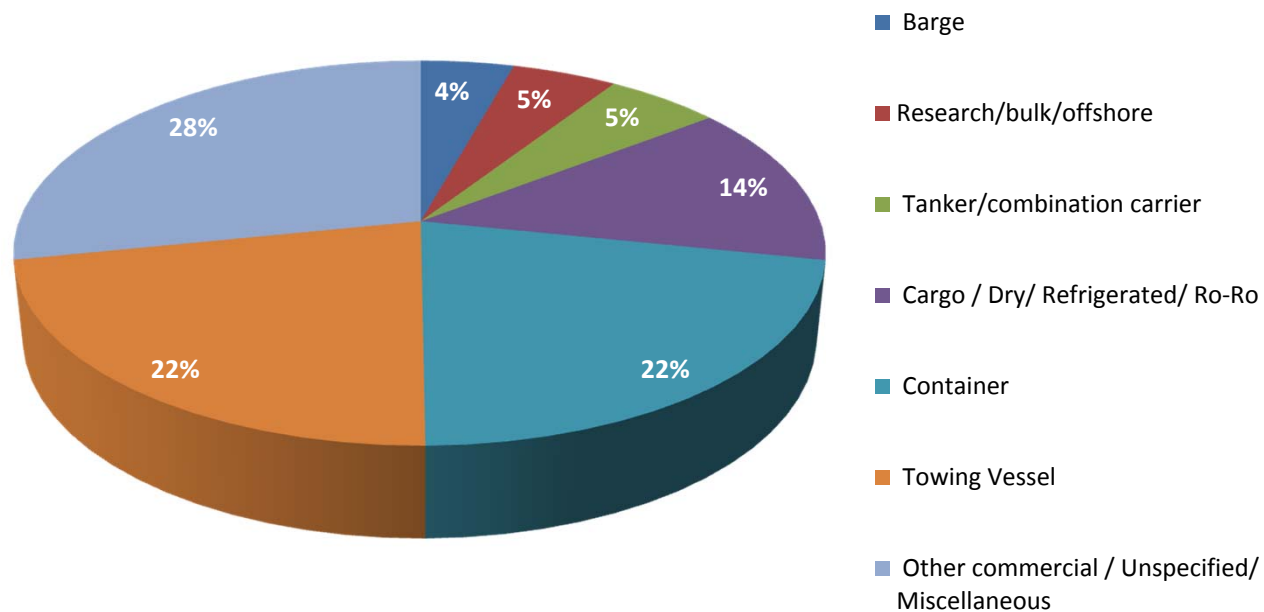




# Detailed Analysis of Deck Injuries

- Other commercial/Unspecified/Miscellaneous, Container and Towing Vessels have the most reported injuries on the deck

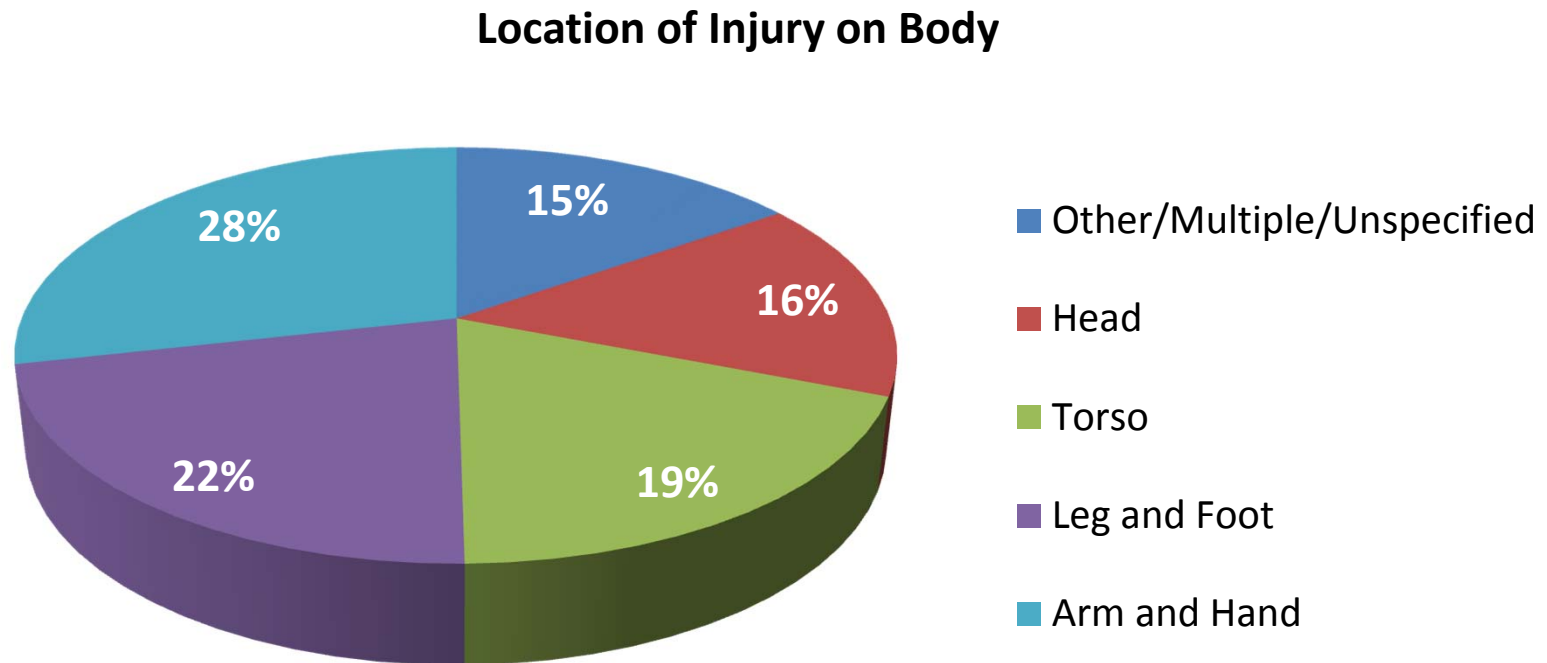
Injury on Deck: Type of Vessel



# Location of Injury on Body

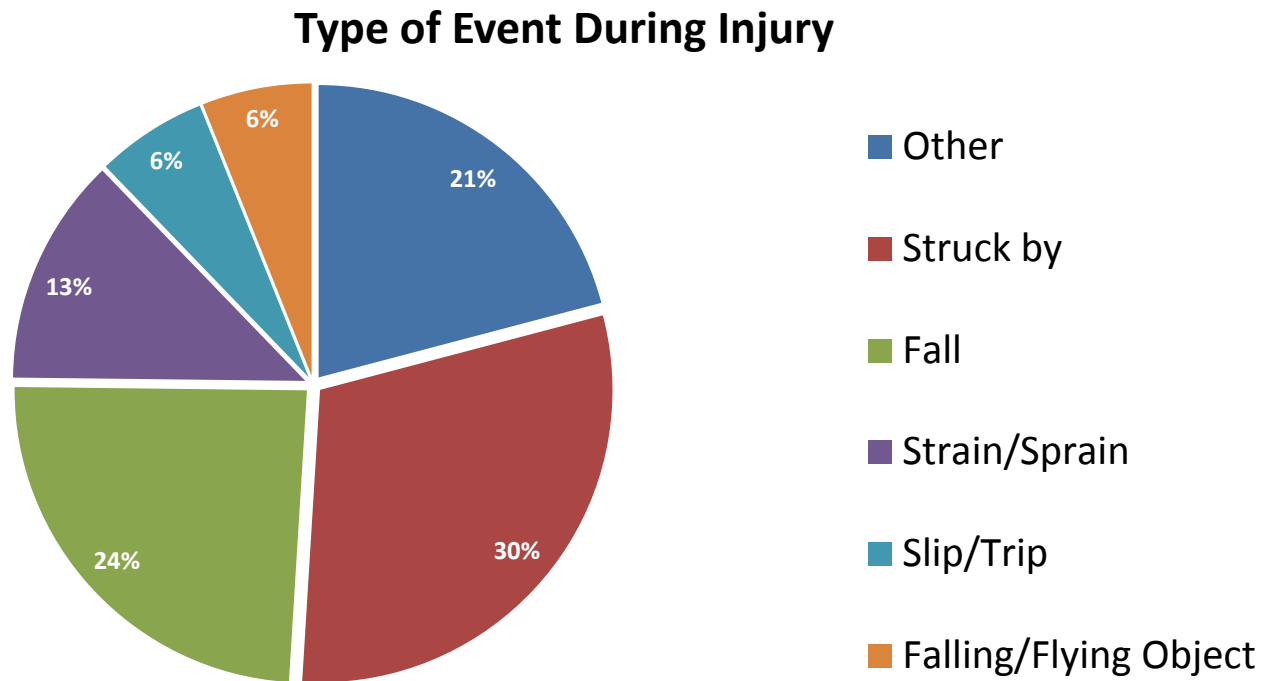
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- Arm and hand injuries represent 28% of total injuries
- Leg and foot injuries represent 22% of total injuries



# Type of Event During Injury

- The most common type of event during injury is “struck by” representing 30% of the injuries in the database

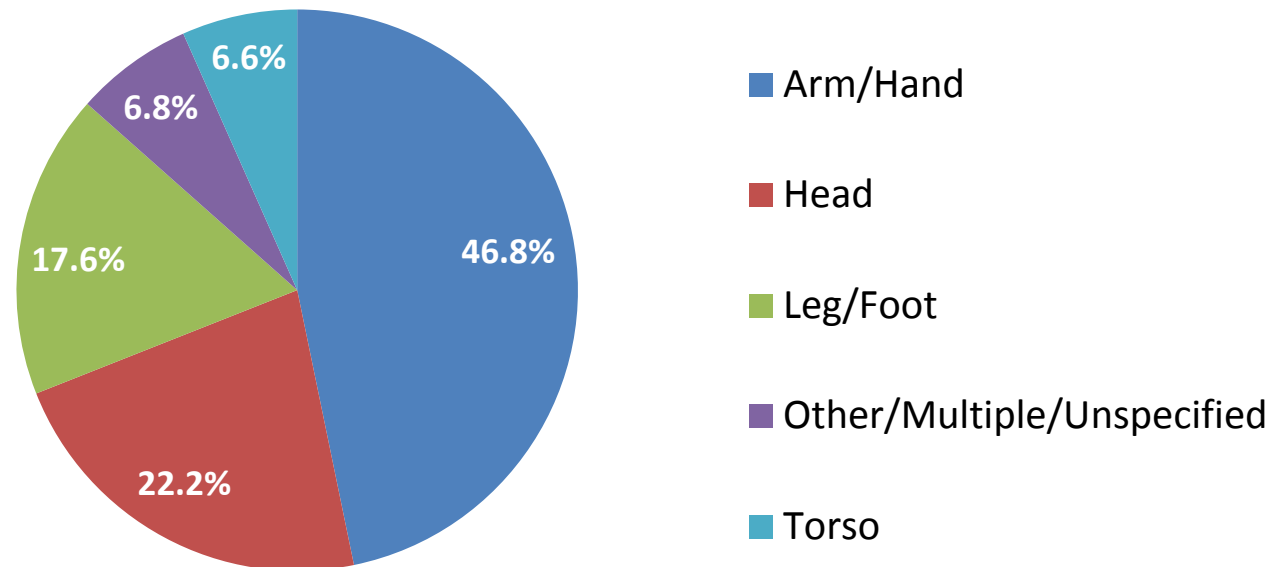


The “**other**” category includes Alcohol/drugs, Burn/contact with hot or cold substance, collision/sink, contact with toxic or corrosive substance, driving, electrical, explosion, fire, flying particles eye, medical condition, opening/closing hatches, operating machinery, struck against, and ventilation.

# “Struck by” : Location of Injury on Body

- The most common type of event is “**Struck by**” injuries, which represent 2,558 (30%) of all injuries in the database
- Almost 50% of these injuries happened to the **Arm/Hand**

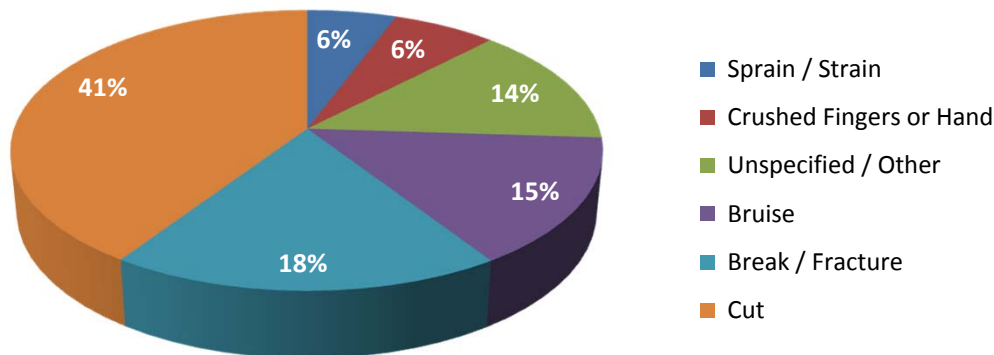
Struck By - Location of Injury



# Detailed Analysis of “Struck by” Injuries

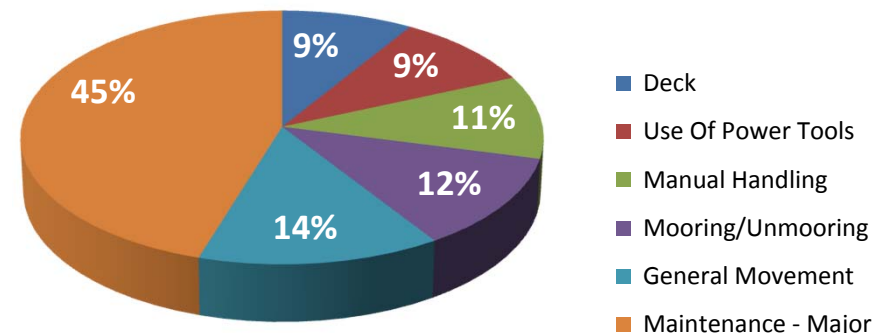
- 41% of “Struck by” injuries caused a Cut
- 45% of “Struck by” injuries occurred during Maintenance-Major Activities

**Injury Type: Struck by**



This data represents 80% of all “struck by” injuries, the other 20% is other, or very small categories

**Task: Struck by**



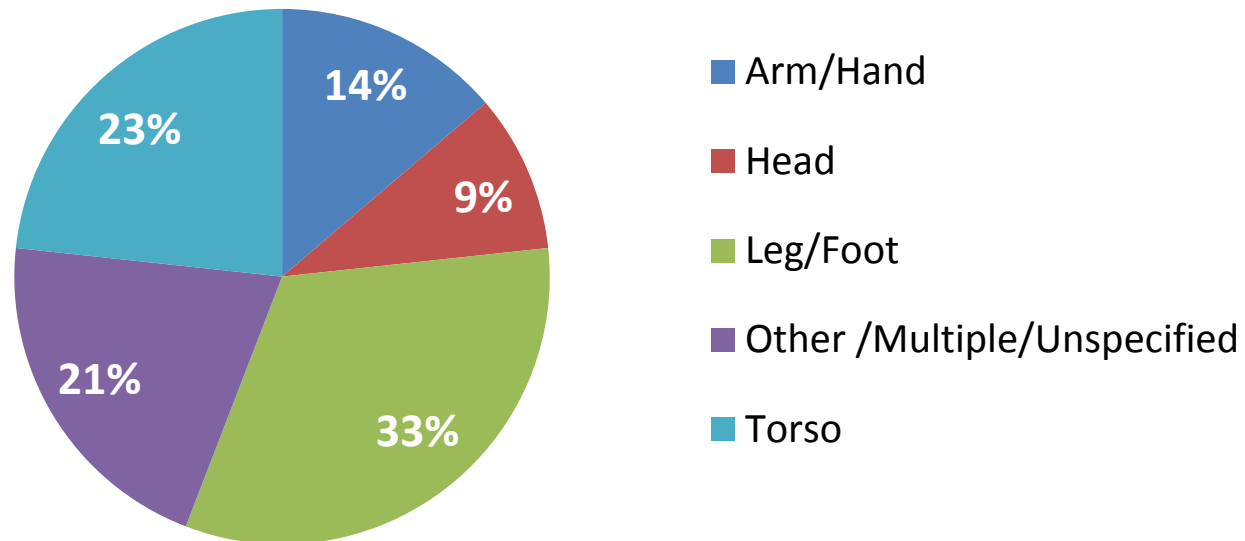
This data represents 50% of all “Struck by” injuries, the other 50% is other, or very small categories.

# “Falls”: Location of Injury on Body

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- The second most common type of event is “Fall” injuries, which represents 2,058 (24%) of all injuries in the database
- Leg/Foot are the most commonly injured body parts during falls

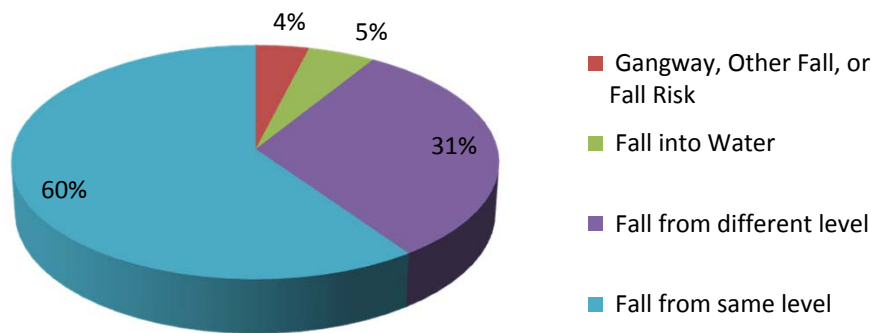
Falls - Location of Injury



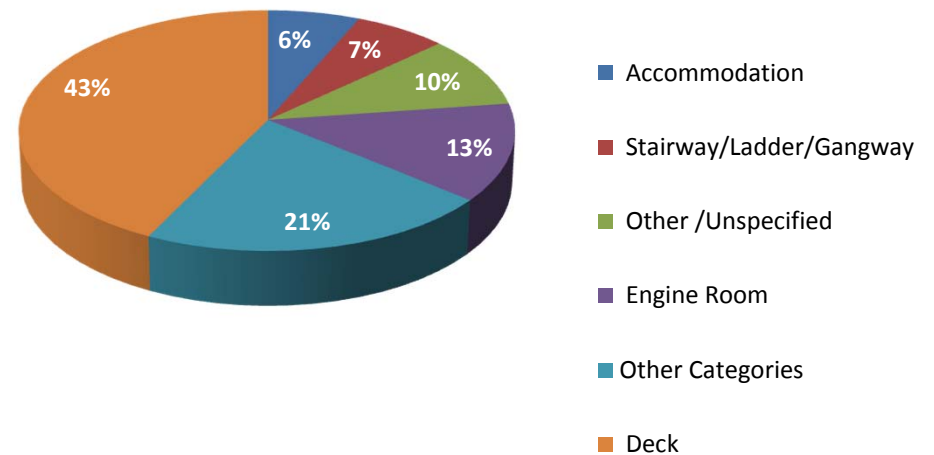
# Detailed Analysis of “Fall” Injuries

- Fall injuries total: 2,058 (24%) of all Injuries in the database
- 60% of fall-related injuries are classified as “Fall from same level”
- 43% of falls happened on the deck

Fall Type



Location on Ship for Falls



“Other Categories” include: Lifeboat, storage area, bunker tank, swimming pool area, storage, workshop, pump room, gangway, ashore, overside/aloft, ballast tank, barge, forecastle, interior space, galley, bridge, & cargo area



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# Location of Injury on Body – Strains/Sprains

- Total number of injuries classified as strains/sprains = 1072
- 1072/8501 (~13%) of injuries are classified as strains/sprains
- Over half of the sprain/strain injuries were to the Torso

Strains/Sprains - Location of Injury

