



Mariner Personal Safety – Update

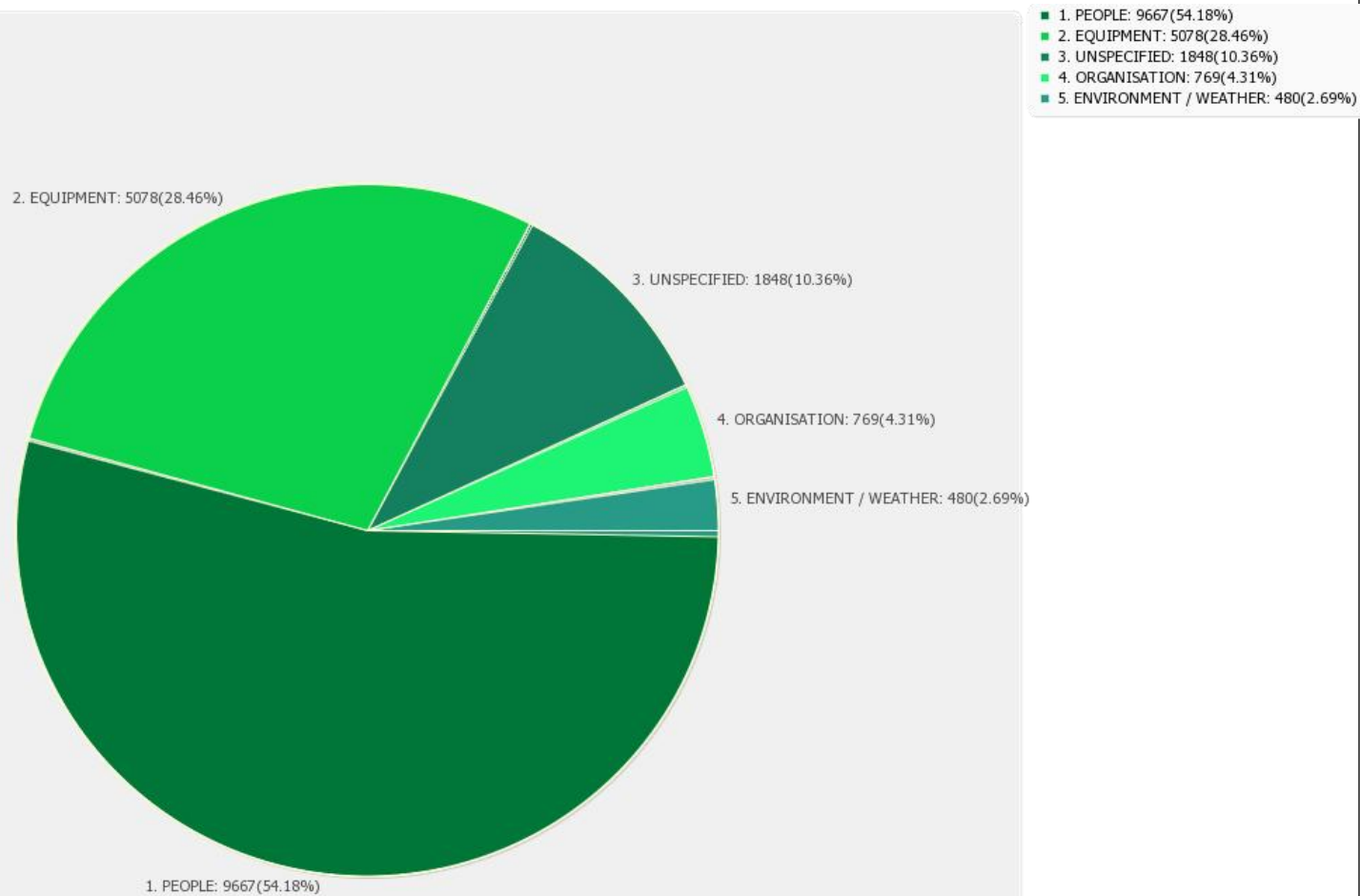
Kevin McSweeney
American Bureau of Shipping

Brian Craig
Lamar University

June 7th, 2011

Using the Database

Example Results – Top 5 Overall Near Misses – Cause



Other Ways the Data Has Been Used

- Safety Spotlights (Top N):
 - The data used in these 1-2 page papers is *derived from the MPS database* through a keyword search, followed by filtering and coding
 - The spotlights capture the “Top 5” or “Top 3” (e.g. top 5 near misses in a location on the ship, top 5 reported ways a behavior is reported to contribute to a specific type of near miss, etc.)
 - They generally provide a chart and some text to describe what was found
 - Safety Spotlights also highlight these top identified issues to elaborate upon each of the top contributors
 - In these, *how the issue contributes to a near miss is identified if available*, as well as any *corrective actions* that have been identified
 - They are meant to *point out what is happening, and how people are trying to fix or prevent it from happening again*. At this level they generally, but not exclusively, target managers, operators, etc, people who are looking to identify trends and brainstorm ways to improve overall safety.

Other Ways the Data Has Been Used

- Toolbox Talks
 - Toolbox talks are essentially more specific safety spotlights
 - They provide information about an issue involved in a near miss occurrence, or combine a couple of issues to give on the job reminders about specific safety behaviors, and reinforce the elemental details about their safe work habits and hopefully refresh individuals who have become complacent with aspects of their jobs
- Ergonomics Discussion Papers
 - These white papers provide an in-depth discussion of a topic for more interested persons. They are about 5 pages in length and talk about the issue in an operational context, and more so cover a topic area that has been identified in the database, and expand upon that topic to provide detailed, but high level, industry and academic type information

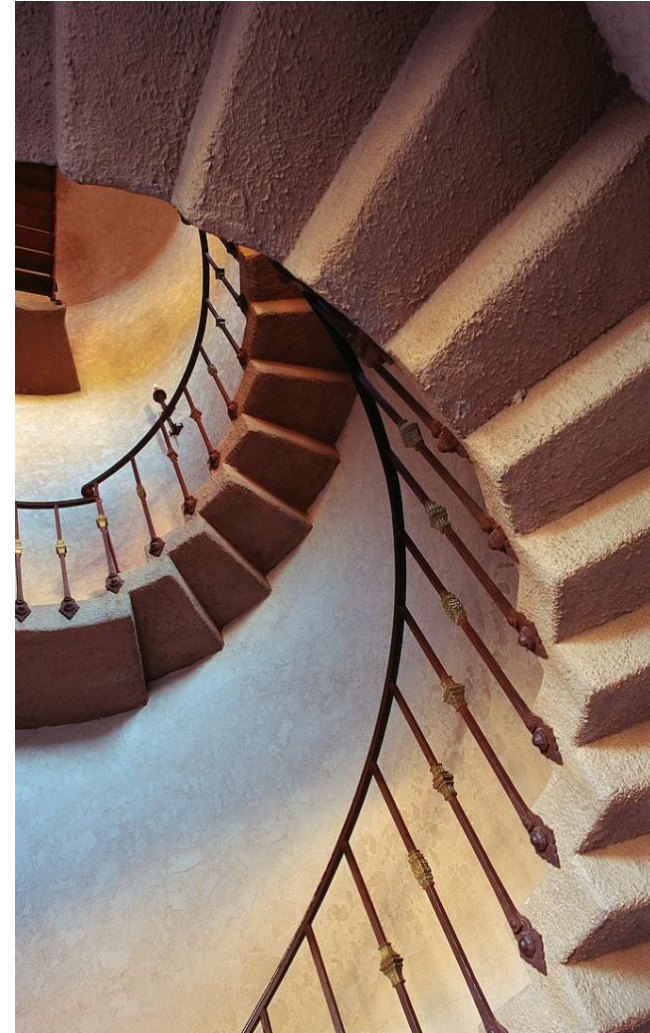
Other Ways the Data Has Been Used

- Company Specific Request
 - Gangway Injury
- Safety Spotlights
 - Slips and Trips in Accommodation Spaces
- Toolbox Talks
 - Slips, Trips, and Falls
- ‘Pocket’ JSAs
 - JSA’s
- Ergonomic Discussion Papers
 - Designing Means of Access and Related Aids

The Path Forward

Next Steps for Mariner Personal Safety

- Collection of more data!!!
- Continue data analysis
- ‘Core set’ of fields for Near Miss databases
- Finalize data repositories for:
 - Injury/near-miss data
 - Corrective actions/ interventions
- Develop data driven training aides (e.g., toolbox talks)
- Compare injury and near-miss data for potential leading indicators of safety
- **Goal: Create a Mariner Safety Research Center**



QUESTIONS???

Thank you!