Introduction

• Case management services 24 x 7 x 365
• Team based in Phoenix Arizona
• 1,958 cases (466 vessels)
  – 147 cases – Research Vessels
• 2012 - was a relatively quite year
  – No diversions
  – No loss of life
Cases per year – Research Vessels
Distribution of vessel situation per year
Case distribution by operation profile

Research: 9%
Tanker: 43%
General cargo: 40%
All other: 8%
Patient type – Research Vessels 2011

- Scientist: 33%
- Other: 24%
- Oiler: 7%
- Able Bodied Seaman (ABS): 6%
- Boatswain / Bosun / Head Seaman: 5%
- Electrician / Electronics Officer (ETO): 3%
- Captain / Master: 3%
- Second Engineer: 4%
- Chief Cook / Chef: 2%
- Chief / First Engineer: 1%
- Chief Mate / Officer: 1%
- Qualified Member of Engine Dept (QMED): 1%
- Second Mate / Officer: 1%
- Second Cook / Baker: 1%
- Steward(ess) / Messman: 1%
- First Mate / Officer: 1%
- Third Engineer: 1%
- Third Mate / Officer: 1%
- Wiper: 1%
Patient type – Research Vessels 2012

- Scientist: 15%
- Other: 32%
- Oiler: 7%
- Able Bodied Seaman (ABS): 9%
- Chief Cook / Chef: 4%
- Chief / First Engineer: 3%
- Qualified Member of Engine Dept (QMED): 1%
- Second Mate / Officer: 1%
- Second Cook / Baker: 1%
- Steward(ess) / Messman: 5%
- First Mate / Officer: 1%
- Third Engineer: 1%
- Third Mate / Officer: 1%
- Wiper: 2%

Patient type – Research Vessels 2012
Country Distribution

- United States
- United Kingdom
- Taiwan, ROC
- South Africa
- Samoa
- Puerto Rico
- Portugal
- Micronesia, Federated States
- Mexico
- Japan
- Jamaica
- Honduras
- Guam
- French Polynesia
- Dominica
- Christmas Island
- Chile
- Cayman Islands
- Canada
- Bermuda
- Barbados
- Bahamas
- Australia

USA: 61 cases
Median, max and min ages
Case - Age Group Distribution

- Age 10-19: 7%
- Age 20-29: 37%
- Age 30-39: 13%
- Age 40-49: 13%
- Age 50-59: 21%
- Age 60+: 9%
- Age 10-19: 7%
- Age 20-29: 37%
Diagnostic categories

- Tankers Initial
- Tankers Final
- Research Initial
- Research Final

- Urologic/Renal
- Respiratory
- Ophthalmological
- Obstetrical/Gynecological
- Neurological
- Musculo-skeletal
- Mental
- Injury/External
- Infectious/Communicable
- Hematological/Oncological
- General
- Gastrointestinal
- Endocrinological
- Ears, Nose and Throat
- Dermatological
- Dental
- Cardiovascular
- Allergy
Final Disposition 2012 Tankers…

- Evaluated shore side - Patient returned to vessel (33%)
- Treatment completed onboard vessel (37%)
- Vessel diverted - Patient separated from vessel (0%)
- Vessel diverted - Patient returned to vessel (0%)
- Vessel diverted - Patient admitted (0%)
- Patient expired before shore side medical evaluation (0%)
- Patient admitted to hospital (3%)
- Other (1%)
- Oxygen arrangements made (0%)
- General Inquiry / Referral Request (3%)
- Test - Instructor Led Training (0%)
- Test - Shoreside Evaluation Recommended (0%)
- Test - Communications Equipment (1%)
- Test - Scenario Drill (0%)
- Travel Advisory completed (0%)
- Undetermined (2%)

- Oxygen arrangements made (0%)
- Patient admitted to hospital (3%)
- General Inquiry / Referral Request (3%)
- Test - Instructor Led Training (0%)
- Test - Shoreside Evaluation Recommended (0%)
- Test - Communications Equipment (1%)
- Test - Scenario Drill (0%)
- Travel Advisory completed (0%)
- Undetermined (2%)

- Evaluated shore side - Patient returned to vessel (33%)
- Treatment completed onboard vessel (37%)
- Vessel diverted - Patient separated from vessel (0%)
- Vessel diverted - Patient returned to vessel (0%)
- Vessel diverted - Patient admitted (0%)
- Patient expired before shore side medical evaluation (0%)
- Patient admitted to hospital (3%)
- Other (1%)
- Oxygen arrangements made (0%)
- General Inquiry / Referral Request (3%)
- Test - Instructor Led Training (0%)
- Test - Shoreside Evaluation Recommended (0%)
- Test - Communications Equipment (1%)
- Test - Scenario Drill (0%)
- Travel Advisory completed (0%)
- Undetermined (2%)

- Evaluated shore side - Patient returned to vessel (33%)
- Treatment completed onboard vessel (37%)
- Vessel diverted - Patient separated from vessel (0%)
- Vessel diverted - Patient returned to vessel (0%)
- Vessel diverted - Patient admitted (0%)
- Patient expired before shore side medical evaluation (0%)
- Patient admitted to hospital (3%)
- Other (1%)
- Oxygen arrangements made (0%)
- General Inquiry / Referral Request (3%)
- Test - Instructor Led Training (0%)
- Test - Shoreside Evaluation Recommended (0%)
- Test - Communications Equipment (1%)
- Test - Scenario Drill (0%)
- Travel Advisory completed (0%)
- Undetermined (2%)
Final Disposition 2012 Research Vessels

- Treatment completed onboard vessel: 56%
- Evaluation on shore side: 3%
- Acted against MAS recommendations: 1%
- Evaluated on shore side - Patient returned to vessel: 15%
- Evaluated on shore side - Patient separated from vessel: 14%
- General Inquiry / Referral Request: 3%
- Other: 3%
- Patient admitted to hospital: 3%
- Test - Communications Equipment: 1%
Typical Case - I

- Chief scientist complaining of a painful rash, pustules, started several days ago
- Vessel off the Oregon Coast, NPOC San Diego in 10 days
- Suspected herpes zoster infection
- Patient started on Acyclovir with subsequent improvement
- Photo documentation
- Rash improved, pain did not resolve completely
Typical Case - II

- Scientist complaining of a painful foot after most likely stepping on a stingray
- Photo documentation
- Treatment:
  - Topical ointments
  - Analgesics
  - Antihistamines
- Course:
  - Pain improved
  - Secondary infection avoided
Humble Requests

• Call early!
• Photography is often a big help
  – Please take good photographs
• If the satphone dose not work use email
• Familiarize yourself with the on-board medical kits
Thank you!!