



Department of Emergency Medicine
Innovative Practice Section

Maritime Medical Access Services Overview
UNOLS RVOC – April 20, 2017

GW Maritime Medical Access

- Founded in 1989
- Provides 24/7/365 Medical Advice to Vessels, Aircraft, & Remote Locations around the World.
- Board Certified, Practicing, Academic Emergency Medicine Physicians
- Clients include shipping, fishing, and research vessels, business aviation, cruise lines, pleasure craft, government teams & remote locations
- Medical, logistical & operational support



GW MMA Physician Leadership



Dr. Francis O'Connell

Medical Director

- 3 years with GW MMA
- Coast Guard Academy Graduate
- 10+ years of USCG service



Dr. Keith Boniface

Associate Medical Director

- 13 years with GW MMA
- Maritime Health expert
- National leader in emergency ultrasonography



Dr. Neal Sikka

Associate Medical Director

- 12 years with GW MMA
- National leader in telemedicine and m-health

GW MMA Staff



Alex Lee PA-C



Drew Maurano PA-C

GW MMA Clinical Coordinators

- Emergency & Remote Medicine Trained PA-Cs
- Case Management
- Newsletters & Medical Advisories
- Other Clinical & Administrative functions



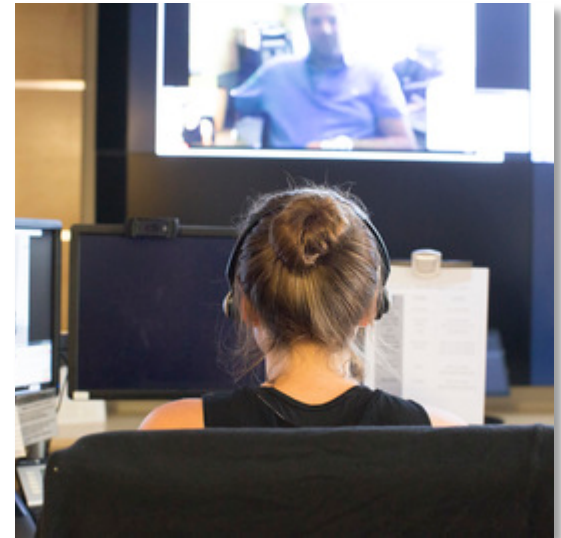
Kai Neander NRAEMT

GW MMA Program Administrator

- Primary client liaisons for all Services
- Direct and oversee all operations
- Provide ancillary support services

Worldwide Emergency Communication Center

- Communication & Operations hub for all MMA services
- Staffed by EMTs & Paramedics
- Instant access to client information, medical records, & medical formularies
- Custom-built database of global medical facilities & capabilities
- Secure storage & management of medical & operational records



WECC Infrastructure & Technology

Communications

- Phone, e-mail, fax
- Secure telemedicine systems
- Secure video conferencing

Unified Medical Records Database

- Custom-built electronic health record

Comprehensive Operational System

- Custom-built operational database system

Telemedical Systems Compatibility

- System-agnostic Communication Center
- DigiGone & Tempus i2i

Integration with 52 Medical Specialties



UNOLS 2016 Services Overview

36 Unique Cases

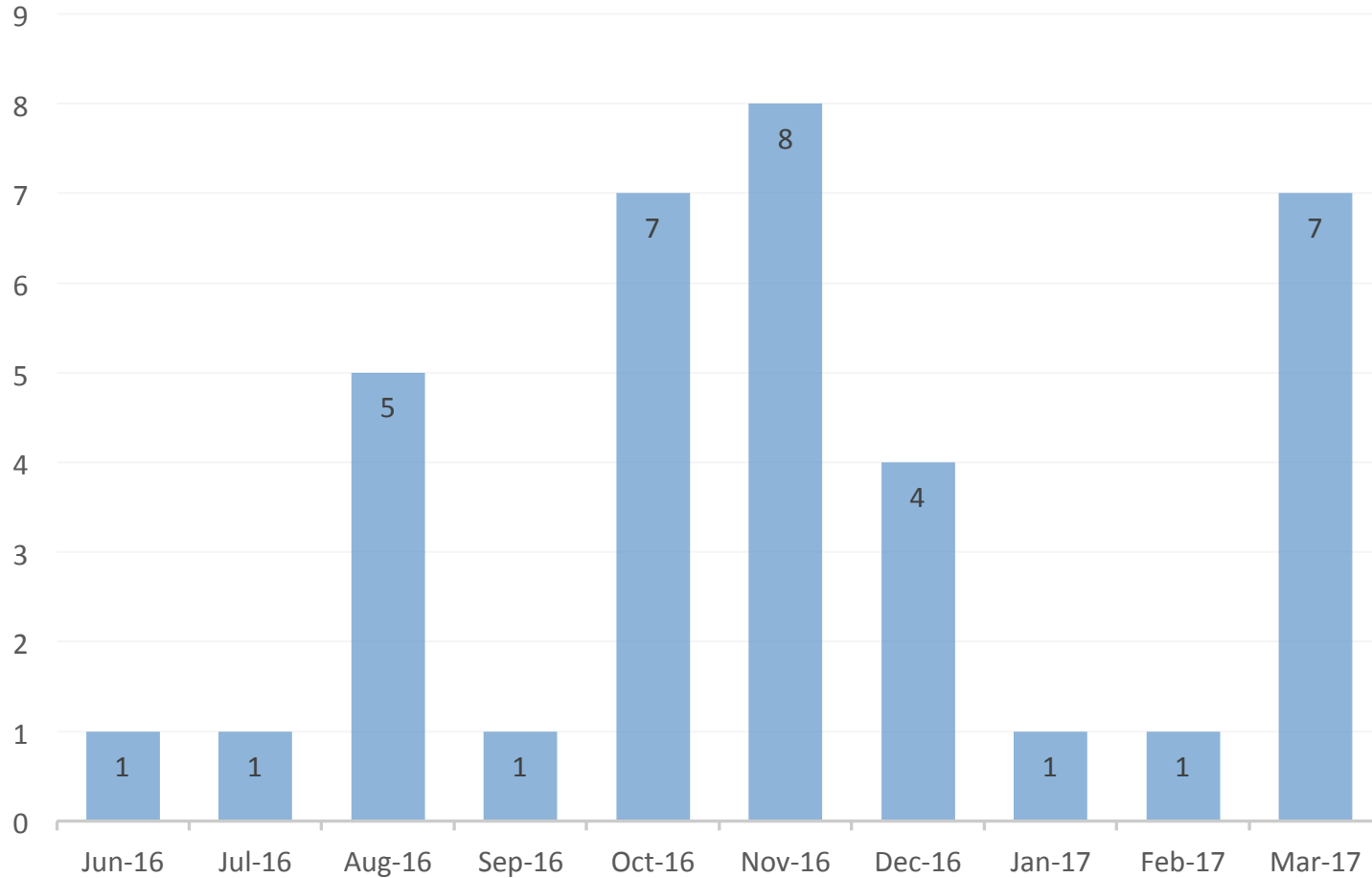
- 2 Diversions
- 2 Evacuations
- NFFD - 22% of Cases
- 11 UNOLS Vessels
- Average of 6 days per case

152 Encounters

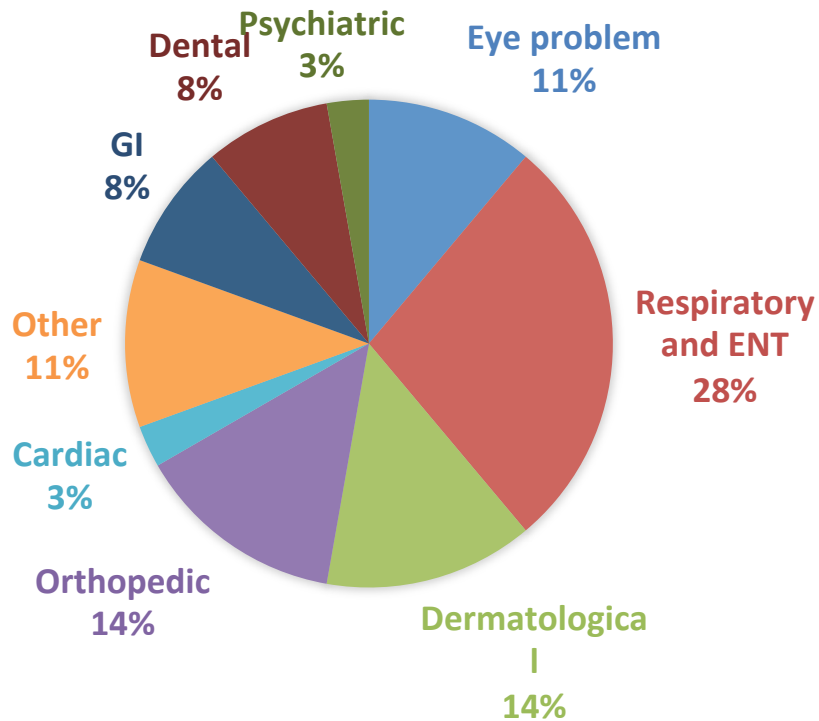
- 4.2 Encounters per Case
- Average of 14 Minutes Per Encounter



Cases By Month



2016 Cases By Chief Complaint



| Chief Complaint | Number of Cases |
|---------------------|-----------------|
| Respiratory | 5 |
| Infection-skin | 4 |
| Infection-throat | 4 |
| Orthopedic | 4 |
| GI | 3 |
| Infection-tooth | 3 |
| Infection-eye | 2 |
| Infection-other | 2 |
| Eye problem | 2 |
| Infectious contact | 1 |
| Atraumatic pain | 1 |
| Infection-ear | 1 |
| Back Pain | 1 |
| Psychiatric problem | 1 |
| Dermatological | 1 |
| Cardiac | 1 |

Case Severities

Minor- treat and release, requires minimal follow up

- Upper respiratory infections, minor trauma

Intermediate-moderate acuity or complexity

- Non-resolving infections, shortness of breath
- Often results in NFFD

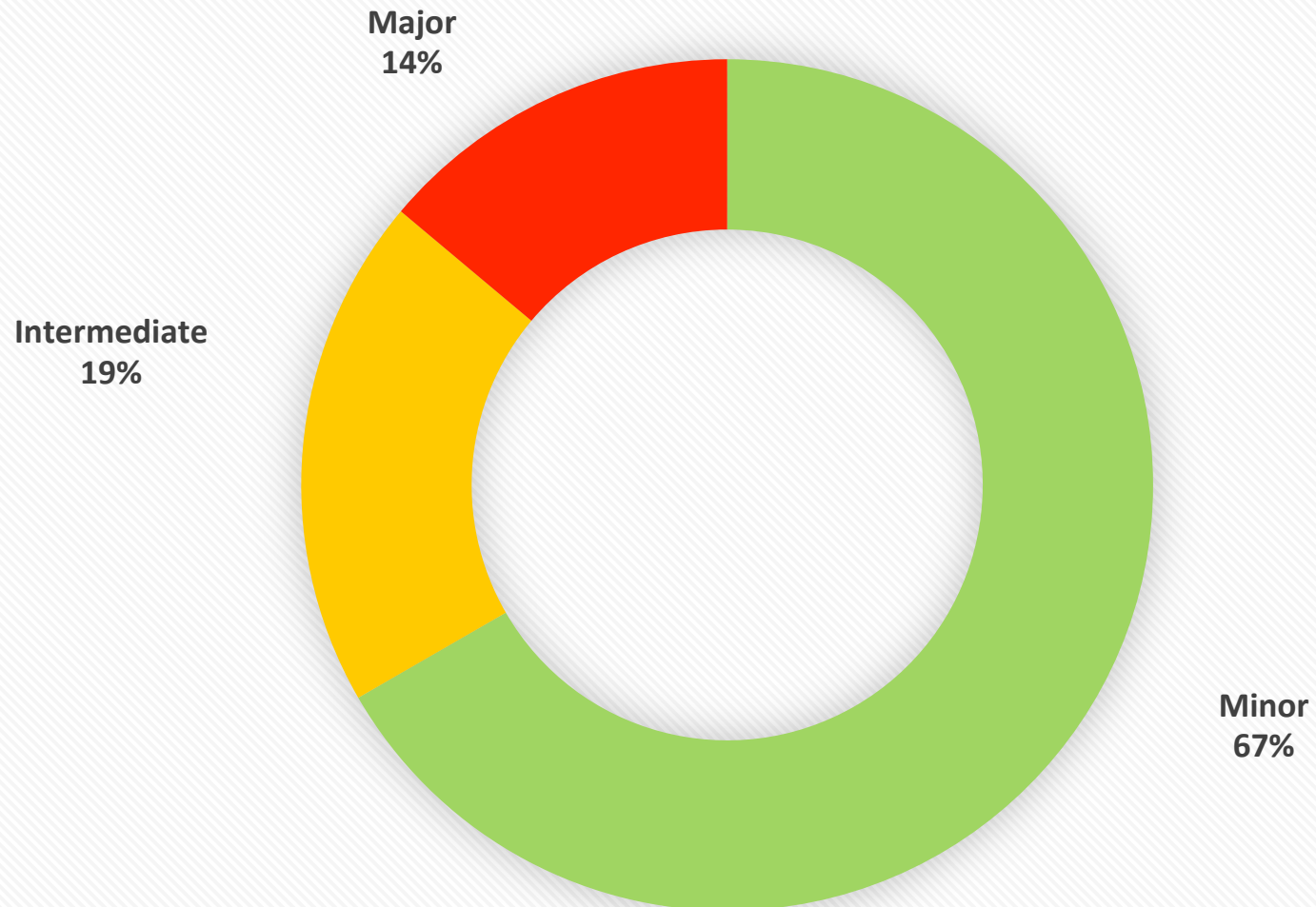
Major- high acuity patient

- Bone fractures, appendicitis, potential for life threatening emergency

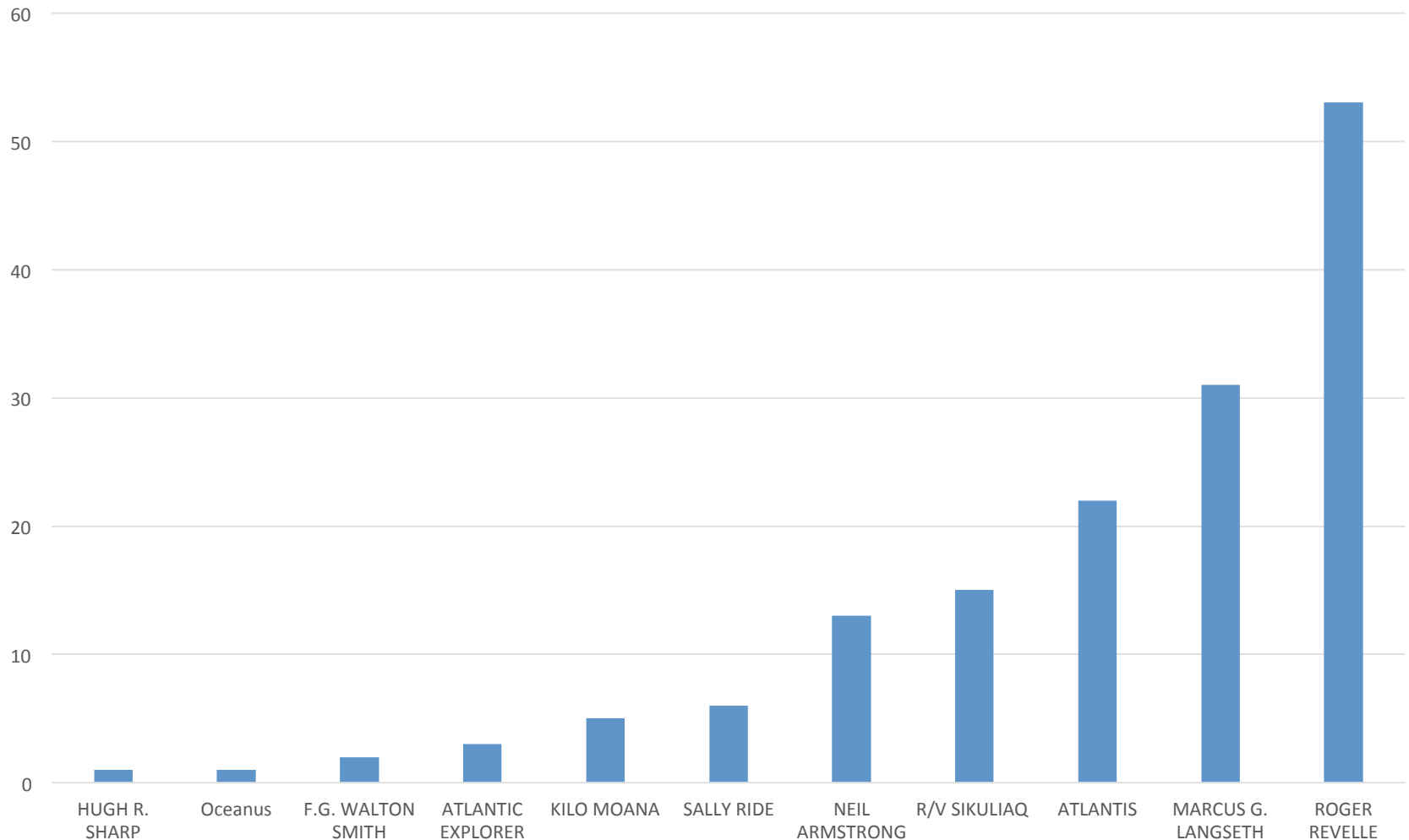
Critical- Immediate life threatening emergency

- Major hemorrhage, loss of consciousness, major cardiac problems
- No cases this year met this criteria

Cases By Severity



2016 Encounters By Vessel



Contact Us

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*“MMA has provided very fast responses with follow up questions and treatment that help crew members return to good health as quickly as possible.”
-Fishing Vessel Captain*

