Maritime Telemedicine: Research Vessels

2009-2010
Cases per year

- 2008: 85 cases
- 2009: 113 cases
- 2010: 141 cases
Distribution of vessel situation per year

- 2009
- 2010

At port
Underway at sea
Diagnostic categories comparison
Research / Tankers

Research
Tanker
TOTAL

- Obstetrical/Gynecological
- ENT
- Mental
- Endocrine
- Vascular
- Allergy
- Neurological
- Cardiovascular
- Musculo-skeletal
- Infectious/Communicable
- Urologic/Renal
- Ophthalmological
- Ears, Nose and Throat
- General
- Respiratory
- Gastrointestinal
- Dental
- Dermatological
- Injury/External
Diagnostic categories comparison
Yearly variation

- Mental
- Endocrine
- Vascular
- Neurological
- Cardiovascular
- Allergy
- Infectious/Communicable
- Musculo-skeletal
- Ears, Nose and Throat
- General
- Urologic/Renal
- Ophthalmological
- Dental
- Respiratory
- Dermatological
- Gastrointestinal
- Injury/External

- 2009
- 2010

EXPERT CARE, EVERYWHERE™
Diagnostic impressions for Gastrointestinal diseases by year

- Hematemesis/vomiting blood
- Heartburn
- Appendicitis
- Vomiting
- Nausea
- Constipation
- Diarrhea
- Abdominal pain / cramps general
- Gastroenteritis presumed infection
Questions?
HIPAA
Health Insurance Portability and Accountability Act

What is HIPAA?

Protection of:

Health Information
+ Individually Identifiable Information
Protected Health Information (PHI)
Protected Health Information (PHI)

- Individually Identifiable Information
  - Demographics
- Medical Records
  - Diagnosis
  - Treatment records
  - Plan of care
<table>
<thead>
<tr>
<th>MedAire Sources of PHI</th>
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<tr>
<td>Patch Summary</td>
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<td>Fit to fly status</td>
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</tbody>
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Legal HIPAA Compliance

• Who is required to be HIPAA compliant?
  – Health care provider
    • Physicians office
    • Urgent Care
    • Hospital
  – Health plan
    • Aetna
    • United Health Care
  – Health care clearing house
    • 3rd Party billing
  – Business Associates
How Does this Apply to MedAire?

Protected Health Information (PHI) is obtained and recorded everyday in both of our call centers and our partner alarm centers around the world.
Privacy Practices for Protected Health Information

• Disclosure of PHI is permitted for:
  – Treatment
  – Payment
  – Patient Contact
  – Notification

• Anything else…..Requires Consent!
Disclosures Allowed without Patient Approval

- Abuse, Neglect or Domestic Violence (Child or Adult)
- Research
- Control Disease
- Food & Drug Administration (FDA)
- Workers Compensation
- Judicial/Administrative Proceedings
- Law Enforcement
- Coroners, Medical Examiners and Funeral Directors
- Organ Procurement Organizations
- Threat to Health & Safety
- Specialized Governmental Functions
Our Responsibilities

• MedAire will:
  – Maintain privacy of PHI
  – Obtain authorization from patients prior to disclosing information - ROMIF
  – Secure patient records containing PHI so that they are not readily available to those who do not need them.
  – Designate a Privacy Official to be responsible for seeing that the privacy procedures are followed.
Release of Patient Information

Administrative Process

• Requests for information during treatment
  – Patient
  – Client

• Requests for information after case closure
  – Patient
  – Client

• Requests from any other party
Refusal to Provide Information

• Information will not be provided if there are questions concerning:
  – Identity of person: can not be confirmed as Authorized
  – Status of the individual as the duly appointed representative of a minor, deceased, or incompetent patient
  – Legal age or status as emancipated minor
  – Authenticity of the patient/client signature
  – Validity of authorization

• PHI requested by a public official must be accompanied by a completed authorization, subpoena or court order.
Case Summary

- Who has access
- Timeline for release
- Content
- What we WON’T disclose