Training individuals to use voluntary reporting systems

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Conflict of Interest

- · Sasa Mutic:
 - Partner AQUSI, LLC (aqusi.org)
 - Grant on patient safety Varian Medical Systems

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Learning Objectives

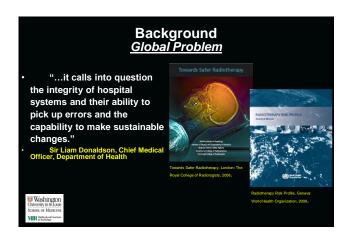
- 1. Describe different approaches to incident learning systems
- 2. Describe training objectives for different members of RT team
- Describe continuing education needs for sustainability of reporting culture

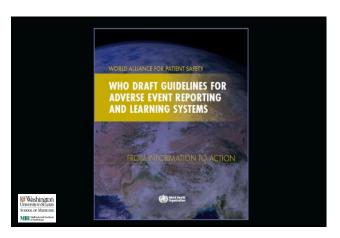
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Outline

- Introduction
- · Statutory and voluntary reporting
- · Institutional approaches to event reporting
- Training for:
 - Initial reporters
 - Supervisors
 - Process improvement committee
 - Administration

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Event Reporting

- Mandatory (statutory)
 - Reporting required by law
 - NRC and certain states in U.S.
 - Well defined treatment delivery errors
 - Near-miss reporting typically not included
- Voluntary
 - Mainly at institutional level
 - Some states in the U.S. have voluntary reporting systems – utility for RT unclear
 - A spectrum of issues tracked

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Statutory Reporting

- Largely independent of culture motivated by law
- Training well defined and mandated
- Support resources mandated
- · Standardized approach

Voluntary Reporting Dependent on Many Factors

- Culture
- Reporting guidelines
- · Reporting system
- · Competence to interpret reported data
- · Commitment to improvement
- · Feedback and benefits to the reporting community

Voluntary Reporting Training Requirements

- · The role of reporting in enhancing patient safety
- · General Safety Training
 - WHO Guidelines
 - Cooke, D.L., et al., A Reference guide for learning from incidents in radiation treatment, in Initiative Series. 2006
 - Reason, J., Managing the risks of organizational accidents. 1997
 - » Safety culture
 - Reporting culture
 - Just culture



Voluntary Reporting Training Requirements

- · Institutional culture training and reinforcement
 - What are our collective beliefs
 - Reporting and safety culture
 - Consequences to me
 - Consequences to my coworkers
 - How is data used
- · Components of reporting system
 - What, how, who, when, where,...

Radiation oncology safety survey

- · Multi-institutional*, IRB-approved
 - Surveymonkey®, anonymous, Dec-Jan 2011
 - · Reporting patterns
 - · Barriers to reporting
 - · Perceptions about reporting
 - · Reporting culture
- · Overall response rate: 76%
- *Johns Hopkins, Washington University, University of Miami, North Shore-Long Island Jewish Hospital



Harris, Terezakis, et al.

Role	rts *, Dec-Jan 2011 % of all reports
Attending physician	0
Resident	0
Dosimetrist	1%
Physicist	5%
Nurse	20%
Radiation therapist	73%
*Combined data from all fo	our department sites

Lessons Learned Naming a Voluntary Reporting System

- We often name our homegrown software by what it does
- Our brand new web-based system, back in 2007, was named "Process Improvement Logs"
- Our staff provided a nickname

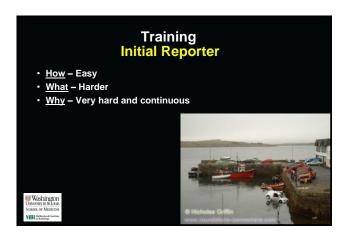
"E-Snitch"

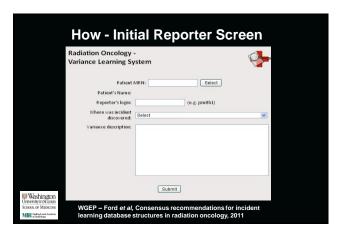
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Training for individual groups

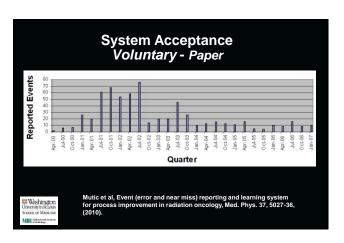
- Initial reporters
- Supervisors
- Teams
- Administration

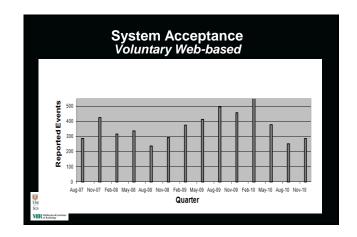


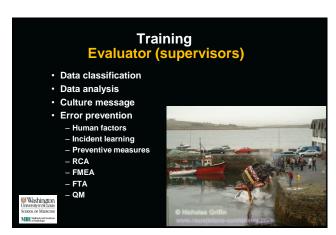


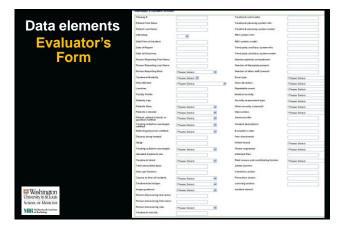






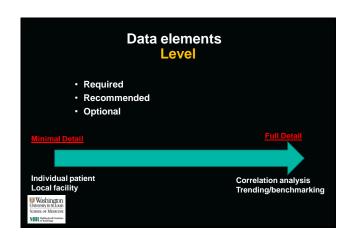






Data elements Why Common Data Elements RCA Standardization Benchmarking Data trending Problem area identification Effective area identification

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Conclusions Different levels of training Cultural/organizational training Operational training Initial training Continuous reinforcement

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