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U.S. Food and Drug Administration Protecting and Promoting Public Health

- 1. Pre-market
- 2. Post-market
- 3. Regulatory research
- 4. Collaborations

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Protecting and Promoting Public Heal

Outline

- Postmarket Surveillance
 - Medical Device Reports (MDR)
 - Accidental Radiation Occurrences (ARO)
- Recalls
 - Medical Device (806) Corrections and Removals
 - Rad Health (EPRC) Defects and Failures to Comply
- Manufacturer Establishment Inspections
- Trade Complaints

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Postmarket Surveillance

- · Individual adverse event reports
- Reviewed by limited staff for trending and follow-up
- Can be used to influence premarket questions and decisions

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Medical Device Reports (MDR)

- · User facilities report to manufacturers:
 - Deaths
 - Serious injuries
- User facilities report to FDA:
 - Deaths
 - Serious injuries when manufacturer is unknown
- Manufacturers report to FDA:

- Deaths, serious injuries, malfunctions

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Life-threatening, results in permanent impairment or damage, or necessitated medical intervention

Serious injury:



AccidentalRadiation Occurrence (ARO)

· Manufacturers report to FDA:

Injurious or potentially injurious exposure to electronic product radiation

- · Examples (x-ray):
 - Unexpected exposure
 - Intentional exposure but higher dose than expected
 - Accidental exposure at no fault of the machine

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MDR and ARO Reporting Criteria

- MDR Event
 - One (or more) events
 - Involving anyone
 - Not limited to radiation exposure
 - Involving a medical device
 Which may have
 - contributed to death or serious injury (or could if recurred)
 - Reported by a <u>user facility</u> or manufacturer
- Accidental Radiation Occurrence – One or more events
- Involving anyone at any time
- Resulting from machine
- produced radiation
- Not limited to medical devices
 Which is injurious or potentially injurious
- Reported by <u>manufacturers</u>
 Not required if the event meets
- reporting criteria for MDR

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FDA/CDRH's MedSun Program

- · Network of 250 hospitals nationwide
- Provides CDRH direct communication with the reporting hospital
- Provides opportunities to obtain experience and expertise of both clinicians and technical staff



Post-Market Information Follow-up

- There are several possible actions resulting from postmarket information review:
 - MDR or ARO additional information letter
 - Requests clarification of submitted information
 - Initiate a recall
 - Asking questions in a premarket review
 - Broader discussion with industry

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Recalls

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Corrections & Removals (806)

- Reported to FDA if done to reduce risk or to correct a violation of the FD&C Act
- FDA evaluates risk and ensures that corrections were implemented
- Voluntary
- Information is publically available
 http://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfRES/res.cfm

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 Defect/Failure to Comply
 (1003)

- Corrections related to Electronic Product Radiation emission and/or Performance Standards
- Corrective actions must be reviewed and approved by FDA

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Corrections made at no charge

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Inspections

- · Field investigators perform site inspections
- Reports of findings are reviewed and corrections are enforced
- Evaluates the design and manufacturing process – Largely a visual and paperwork review
 - Little, if any, device testing is performed by investigators
- Significant enforcements are publically available
 http://www.fda.gov/ICECI/EnforcementActions/WarningLetters/ 16

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Trade Complaints

- Can come from anyone, even ourselves
 http://www.fda.gov/ForConsumers/ConsumerUpdates/ucm095859.htm
- · Followed up on an individual basis
- · Can result in:
 - Product recalls
 - Simple questions to a manufacturer
 - Letters to industry

http://www.fda.gov/MedicalDevices/ResourcesforYou/Industry/ucm111104.htm

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What can you do?

- Send complaints to the manufacturer
- Identify safety problems with quality MDR reporting
 - Providing detailed device information
 - Detailed event description
- Identify safety signals to ensure safe and effective devices are on the market (trade complaints)

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References

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owse/Title21/21cfrv8_02.tp1#0

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- 21 Code of Federal Regulations
- Medical Device Reporting (MDR):
 - Manufacturer and User Facility Device Experience (MAUDE)
 - MedSun Program
- ARO Reporting
 - ARO Reporting

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Letters to Industry http://www.lda.gov/MedicalDevices/ResourcesforYouIndustry/ucm111104.htm	

Submitting Trade Complaints
 http://www.lda.gov/ForConsumers/ConsumerUpdates/ucm095859.htm

