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Long-Term Health Monitoring of Populations after Nuclear and Radiological Emergencies

About the Study Request

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National Response

Short Term
(weeks- months)

Medical

- Trauma
- ARS triage
- Hospitalization
- Countermeasures

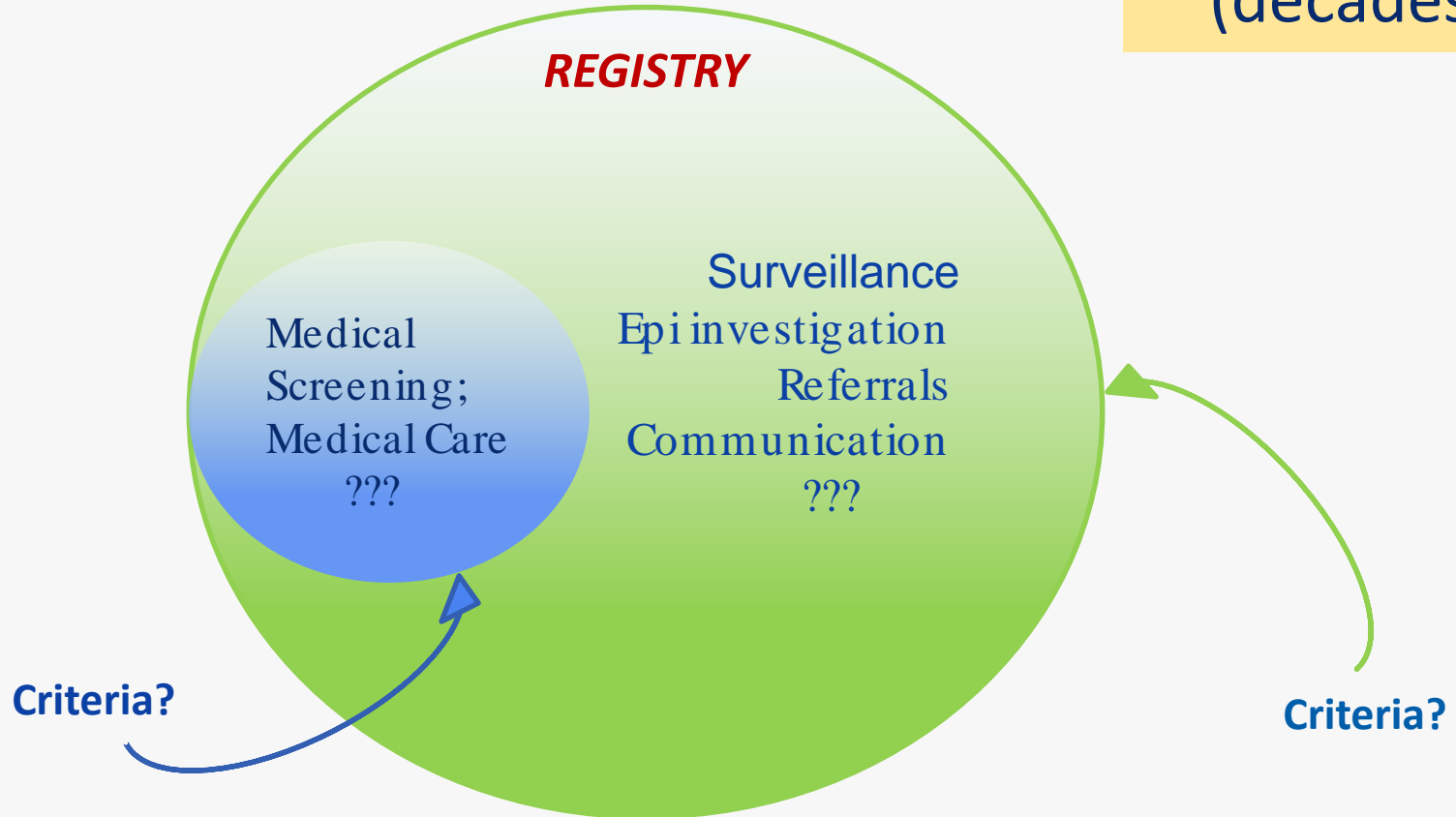
Public Health

- Exposure/contamination
- Risk communication
- Mental health



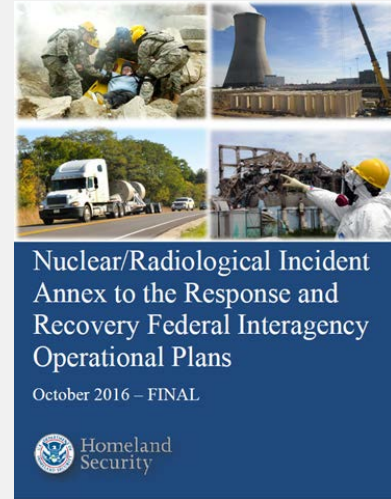
National Response

Long Term
(decades)



The Department of Health and Human Services

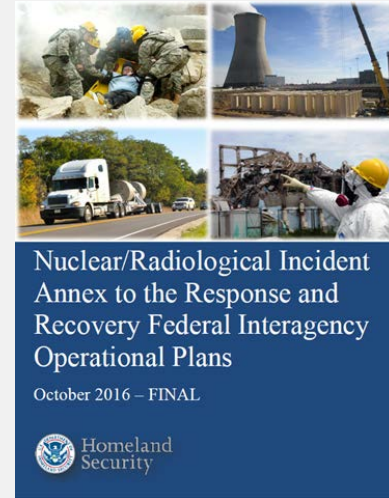
- Conducts and provides guidance on the conduct of **epidemiological surveillance** to detect symptoms consistent with exposure to radioactive materials, collect exposure histories, or identify public health needs.
- Manages **long-term public monitoring** and supports follow-on personal data collection, collecting and processing of blood samples and bodily fluids/matter samples, and provides advice concerning medical assessment and triage of victims. **Tracks patient treatment and long-term health effects**



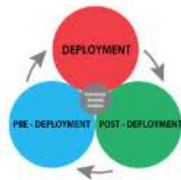
Base Annex
Page 36

Appendix 1: Assets, Resources, and Teams with Unique or Particular Capability for Nuclear/Radiological Incidents

- **Rapid Response Registry (CDC/ATSDR)** *To be replaced by EpiCASE*
 - Enrollment forms give local and state entities a tool to register responders and other persons exposed to chemical, biological, or nuclear agents from a disaster.
- **Emergency Responder Health Monitoring and Surveillance™ (ERHMS™) Framework (CDC/NIOSH)**
 - A health-monitoring and surveillance framework to protect emergency responders during all phases of a response.
 - Can identify responders for medical referral and possible enrollment in a long-term health surveillance program.



ERHMS™ FRAMEWORK



- [Pre-Deployment](#)
- [Deployment](#)
- [Post-Deployment](#)

ERHMS™ ONLINE TRAINING



- [CDC TRAIN: ERHMS™ Course WB2873](#)
- [FEMA: ERHMS™ Course IS-930](#)

ERHMS INFO MANAGER™



- [Software](#)
- [User Guide](#)
- [Training Videos](#)
- [Change Log](#)

ADDITIONAL RESOURCES



- [ERHMS™ Fact Sheets](#)
- [ERHMS™ Documents](#)
- [Studies on ERHMS™](#)
- [Other Resources](#)

[https:// www.cdc.gov/niosh/erhms](https://www.cdc.gov/niosh/erhms)

ERHMS™ Program Coordinator: CAPT Jill Shugart (JShugart@cdc.gov)

This Workshop

- The purpose is to identify and discuss issues, challenges and considerations in establishing a registry, setting inclusion criteria, and providing the best care for affected people, taking into account implementation and practicality issues.
- Information and perspectives provided in this workshop will inform planning and preparedness activities for HHS/CDC and its public health partners.

Example Issues

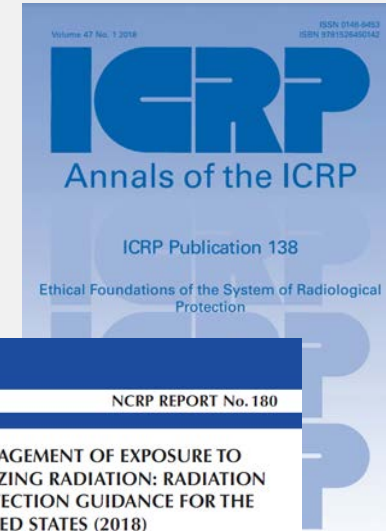
- Radiation dose criteria for inclusion
- Medical screening services
- Attributability of health effects
- Mental health considerations

Ethics in Radiation Protection

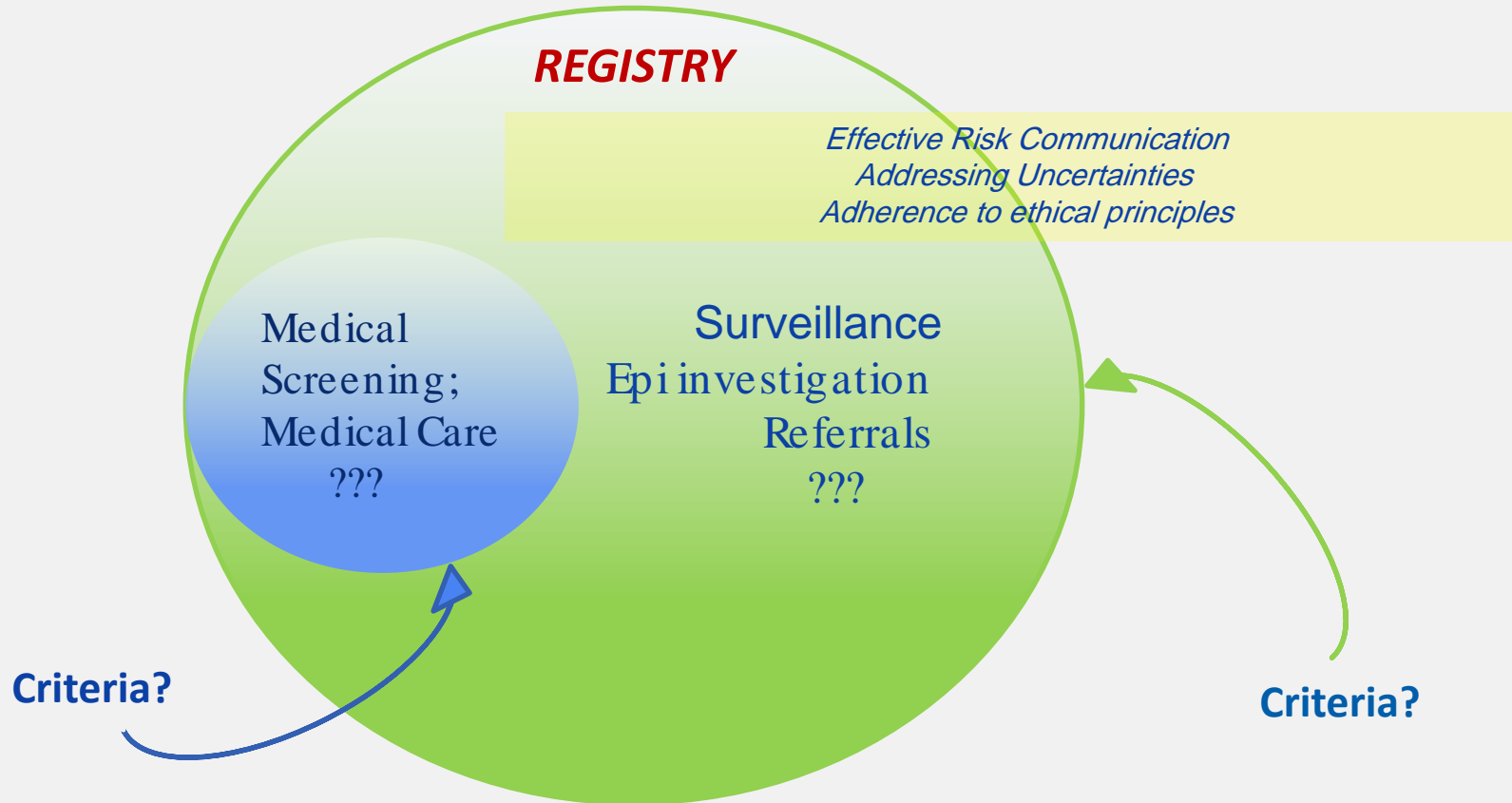
Applies to Long-Term Monitoring

- Provide good (beneficence)
- **Prevent harm (non-maleficence)**
- Respect an individual's autonomy (autonomy)
- Act fairly (justice)

2018 Publications



What Does “Perfect” Look like?



Thank You!

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For more information, contact NCEH
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The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

