

# Comprehensive Epidemiologic Data Resource (CEDR)

Made available by the U.S. Department of Energy (DOE) Operated by Oak Ridge Institute for Science and Education (ORISE)



#### What is CEDR?

- ◆ Electronic database with demographic, health outcome, and exposure information for over a million DOE nuclear plant and laboratory workers.
- Supports openness in government and the public's right to know about worker and community health risks.
- Enhances DOE's epidemiologic research program by facilitating independent access and analysis of data.

### CEDR Users

# Independent researchers and scientists



Graduate students and academic staff



Stakeholders and public

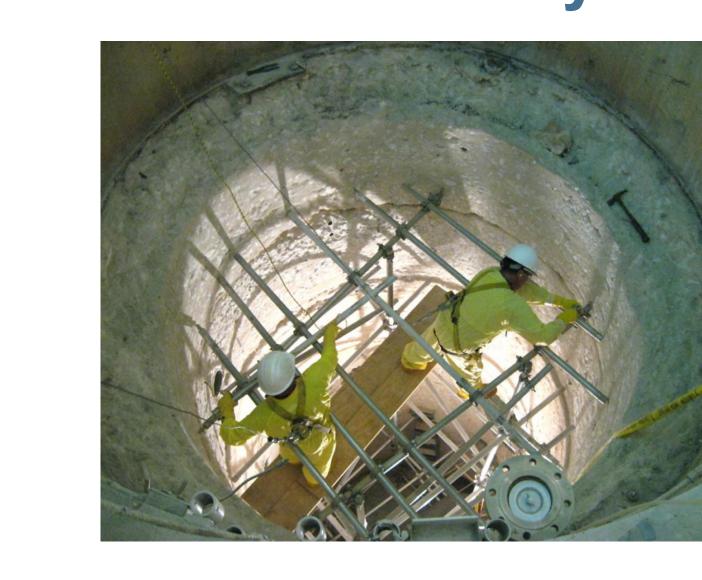


## Becoming a CEDR User

- Access to these de-identified, secure data is at no cost to the user.
- Register as a user to obtain password for access to CEDR.
- ◆ Log on to https://www.orau.gov/CEDR and complete the on-line Request Form.
- ◆ After approval, account will be set up by ORISE, the database manager.

# Data Types Available in CEDR

#### Work history



Periods of employment job titles, etc.

#### Cause of death



ICD codes—underlying cause (some contributory cancers)

# Occupational radiation exposure



Raw exposure readings and doses used in studies.

## Data Privacy Protection

- Compliant with the Federal Information Security Management Act (FISMA).
- Personal identifiers removed.
- Confidentiality agreement signed.
- Password required to access data.

# U.S. Department of Energy Comprehensive Epidemiologic Data Resource A Digital Collection of Public Use Data Sets

## CEDR Highlights

- Most data files within CEDR are not available elsewhere.
- Information obtained from epidemiologic studies of DOE workers:
- Encompasses 1,029,720 DOE workers at 31 DOE sites.
- Study designs
- Mainly retrospective cohort mortality studies using Poisson regression methods.
- Some case control studies.
- Includes 261 analytic data files from 60 worker studies.
- Has annual external radiation doses on individual DOE workers.
- Additional sources of CEDR data:
  - Portsmouth Naval Shipyard workers (7 files from 5 cohort mortality studies).
  - Files from DOE Former Worker Medical Screening Program.
- ◆ Additional resources available within CEDR:
- Descriptive profiles of DOE sites and facilities.
- 9,425 citations (journal articles and technical reports).
- Documentation for all included data files.

