



Radiation Epidemiology for Public Health Decision Making **Education Videos**

PROGRAM DESCRIPTION

Epidemiologic studies help shape public health policy and evidence-based health practices by identifying, quantifying, and understanding health risks of exposure in defined populations. Radiation epidemiology is no exception. Although radiation epidemiologists have studied health effects of radiation exposure for over a century, health effects of exposure to very low doses of radiation or radiation delivered at low dose rates (*i.e.*, the kinds of radiation exposure human populations primarily receive in their lives) remain equivocal and at times controversial. This is partly due to a myriad of published studies with seemingly contradicting conclusions.

Designed to provide continuing education (CE) credits, the training provides an overview of radiation epidemiology and allows participants to distinguish a reliable study from a flawed study, and explains the effect misusing and misrepresenting these studies has on public health policy and practices.

OBJECTIVES:

At the conclusion of *Radiation Epidemiology for Public Health Decision Making*, the participant will be able to:

1. define radiation epidemiology;
2. explain how correct interpretation of radiation epidemiologic studies help shape public health policy and evidence-based health practices;
3. list three characteristics that constitute a well-designed radiation epidemiology study using science-based explanations;
4. identify one characteristic that constitutes an unreliable radiation epidemiology study using science-based explanations;
5. identify one way that a radiation epidemiology study could become flawed using science-based explanations;
6. describe one way that the results of a radiation epidemiology study could be misused or misrepresented using science-based explanations; and
7. describe one way that this educational activity will improve my contribution to the public health community.

FACULTY/CREDENTIALS:

John D. Boice, Jr., ScD, Scientific Director, National Council on Radiation Protection and Measurements (NCRP), Professor, Vanderbilt University Medical Center, Division of Epidemiology

Armin Ansari, PhD, CHP, Radiological Assessment Team Lead, Emergency Management, Radiation and Chemical Branch, Division of Environmental Health Science and Practice, Centers for Disease Control and Prevention

URL: <https://www.cdc.gov/nceh/radiation/emergencies/radiation-epidemiology-videos.htm>

FORMAT: This training is a web-on-demand.

CONTACT INFORMATION: CDC Emergency Management, Radiation and Chemical Branch, (770) 488-3800

CME / CNE / CEU ACCREDITATION

Instructions for Obtaining Continuing Education (CE)

In order to receive CE for WD4092- *Radiation Epidemiology for Public Health Decision Making* please visit [TCEO](#) and follow these [9 Simple Steps](#) before December 23, 2021.

- complete the activity;
- complete the evaluation at www.cdc.gov/GetCE; and
- pass the posttest at **70 %** at www.cdc.gov/GetCE.

FEES: No fees are charged for CDC's CE activities.