



ENVIRONMENTAL HEALTH RISK

Analysis and Applications

March 8 – 12, 2021



This online course explores the principles of risk assessment, risk management, and risk communication, ensuring you can identify, explain, and make decisions about risks to public health. You will learn how risk analysis is done, how it is interpreted, how it influences regulatory decision-making, and the role it plays in responding to the COVID-19 pandemic. This program will also provide you with the knowledge and skills to analyze how environmental hazards impact human health.

Top Harvard faculty will use case studies, lectures, and small-group work to explore such topics as hazard identification, epidemiology and toxicology in risk analysis, risk perception,

risk communication, life-cycle assessment, and the interplay of risk management and the law.



This program will take place live online daily from March 8 – 12, 2021.

WHO SHOULD PARTICIPATE

Environmental Health Risk will benefit anyone involved in conducting, reviewing, or overseeing risk analysis, risk management, or risk communication activities.

- Attorneys
- Consumer protection
- Economics
- Engineering
- Environmental science and policy
- Epidemiology
- Food safety
- Health and safety
- Public health policy and research
- Government and regulatory affairs
- Risk assessment and management
- Toxicology

EHS PROFESSIONALS

[HSPH.ME/RISK-ANALYSIS](https://hsph.me/risk-analysis)



PROTECT THE PUBLIC'S HEALTH WITH RISK ANALYSIS

ONLINE CURRICULUM

During this program, you will explore the legal and policy framework which will inform the direction of risk analysis in upcoming years, gain the skills needed to perform a quantitative risk assessment, discuss key factors influencing the effectiveness of risk assessment and management, and apply these concepts in local, state, federal, or international settings. After completing the course, you will be able to determine whether hazards pose an unacceptable risk to public health, communicate effectively about health risks, and utilize risk analysis to improve decision-making.

LEARNING OBJECTIVES

- Develop and expand capacity with current and emerging methods for quantifying risks
- Evaluate exposure assessment protocols
- Differentiate between key assumptions and uncertainties in non-cancer and cancer dose-response models
- Understand probabilistic methods in uncertainty analysis and risk assessment
- Identify key factors that influence risk perception and communication
- Evaluate alternative approaches for valuation of environmental health risk outcomes
- Understand the role of risk information in benefit-cost analysis and risk management

About Harvard T.H. Chan School of Public Health Executive and Continuing Professional Education

We prepare individuals and organizations to solve the most pressing global public health and health care challenges. Leaders in government, corporate, and nonprofit sectors around the world attend programs which provide strategies for addressing the critical issues facing their organizations with proven tactics that drive change.

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