

Syllabus:
Risk-Based Decision Making in Public and Population Health

Learning Objectives

- Gain an in-depth understanding of concepts, principles, and practices in modern risk analysis;
- Understand and apply principles of risk-based decision making;
- Gain experience in risk management decision making through case studies in a range of domains, including consumer and therapeutic products;
- Gain an appreciation of the different levels of evidence needed to support risk-based decisions in the presence of scientific uncertainty;
- Understand the factors shaping public perception risk, and how this may differ from scientific determinations of risk;
- Become more effective in communicating scientific information on risk issues of concern to Canadians; and
- Explore future directions in risk science.

DAY 1

TIME	TOPIC	CONFIRMED SPEAKER
08:00 - 08:30	Registration and Coffee	
08:30 - 08:45	Overview of Course	Vicky Hogan, Health Canada
08:45 - 09:30	The Evolution of Risk Management	Daniel Krewski, University of Ottawa/RSI
09:30 - 10:15	Treasury Board Risk Assessment Guide	Treasury Board Representative
10:15 - 10:45	BREAK - coffee, tea and snacks provided	
10:45 - 11:30	<i>Listeria</i> in deli meats - A practical application of Qualitative Health Risk Assessment in Canada	Rick Szabo, Health Canada
11:30 - 12:15	Principles of Risk Management Decision Making	Steve Hrudehy, University of Alberta
12:15 - 13:15	LUNCH - provided	
13:15 - 14:45	Case Study 1: Drinking Water Disinfection By-Products	Steve Hrudehy, University of Alberta
14:45 - 15:15	BREAK - coffee, tea and snacks provided	
15:15 - 16:00	Risk Assessment in Decision Making	George Gray, George Washington University
16:00 - 16:45	Economic Considerations in Decision Making	Doug Coyle, University of Ottawa
16:45 - 17:00	Summary of Day 1	Lateef Adewoye, Health Canada
17:00 - 17:15	Course Evaluation for Day 1	
17:15 - 19:00	Welcome Reception – drinks and snacks provided	

DAY 2

TIME	TOPIC	CONFIRMED SPEAKER
08:30 - 09:15	Toxicological Approaches to Risk Assessment	Kannan Krishnan, University of Montreal
09:15 - 10:00	Epidemiological Methods in Risk Assessment	Jack Siemiatycki, University of Montreal
10:00 - 10:30	BREAK - coffee, tea and snacks provided	
10:30 - 11:15	Predictive Modeling in Risk Assessment	Greg Paoli, RSI
11:15 - 12:00	The Use of the Signal-to-Noise Crossover Dose in Risk Assessment	Daniel Krewski, University of Ottawa/RSI
12:00 - 13:00	LUNCH - provided	
13:00 - 14:30	Case Study 2: Blood Safety	Judie Leach-Bennet, Canadian Blood Services
14:30 - 15:00	BREAK - coffee, tea and snacks provided	
15:00 - 16:30	Case Study 3: Prion Disease	Brian Evans, Canadian Food Inspection Agency
16:30 - 16:45	Summary of Day 2	Vicky Hogan, Health Canada
16:45 - 17:00	Course Evaluation for Day 2	

DAY 3

TIME	TOPIC	CONFIRMED SPEAKER
08:30 - 09:15	Exposure Assessment	Elaine Cohen-Hubal, US Environmental Protection Agency
09:15 - 10:00	Microbial Risk Assessment: A Probabilistic Approach	Emma Hartnett, RSI
10:00 - 10:30	BREAK - coffee, tea and snacks provided	
10:30 - 12:00	Case Study 4: Nanotechnology	Lori Sheremeta, University of Alberta
12:00 - 13:00	LUNCH - provided	
13:00 - 14:30	Case Study 5: Cytogenetic Toxicity in Children Treated with Methylphenidate	Don Mattison, RSI
14:30 - 15:00	BREAK - coffee, tea and snacks provided	
15:00 - 16:30	Case Study 6: SARS	Don Low, University of Toronto
16:30 - 16:45	Summary of Day 3	Lateef Adewoye, Health Canada
16:45 - 17:00	Course Evaluation for Day 3	

DAY 4

TIME	TOPIC	CONFIRMED SPEAKER
08:30 - 09:15	Risk Perception and Psychosocial Aspects of Risk	Louise Lemyre, University of Ottawa
09:15 - 10:00	Risk Communication and Risk Issue Management	Bill Leiss, University of Ottawa
10:00 - 10:30	BREAK - coffee, tea and snacks provided	
10:30 - 12:00	Case Study 7: Cosmetics	Thomas Hartung, Johns Hopkins University
12:00 - 13:00	LUNCH - provided	
13:00 - 14:30	Case Study 8: Antimicrobial Resistance	Scott Hurd, Iowa State University
14:30 - 15:00	BREAK - coffee, tea and snacks provided	
15:00 - 16:30	Case Study 9: Cell Phones	Daniel Krewski, University of Ottawa/RSI
16:30 - 16:45	Summary of Day 4	Vicky Hogan, Health Canada
16:45 - 17:00	Course Evaluation for Day 4	

DAY 5

TIME	TOPIC	CONFIRMED SPEAKER
08:30 - 10:00	The Use of Expert Elicitation in Risk Management Decision Making	Willy Aspinall, University of Bristol
10:00 - 10:30	BREAK - coffee, tea and snacks provided	
10:30 - 11:15	The Next Generation of Risk Assessment	Ila Cote, US EPA
11:15 - 12:15	Panel Discussion: Future Challenges in Risk Science	Ila Cote, US EPA Marc Saner, University of Ottawa Christine Norman, Health Canada
12:15 - 12:30	Course Evaluation – Day 5 and General Evaluation	Lateef Adewoye, Health Canada
12:30 - 12:45	Summary of Day 5 and Closing	Daniel Krewski, University of Ottawa/RSI
12:45 - 14:00	Lunch– food and beverages provided Certificate Collection	

