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Born: April 21, 1946, Detroit, Michigan

Education

- 1967 B.Sc. (Mathematics, Psychology) *magna cum laude*, Wayne State University,
- 1967-1970 Kibbutz Gal-On and Kibbutz Lahav, Israel
- 1972 M.A. (Psychology) with distinction, The Hebrew University of Jerusalem
- 1975 Ph.D. (Psychology), The Hebrew University of Jerusalem

Positions

- 1970-1974 Instructor, Department of Behavioral Sciences, University of Negev
- 1971-1972 Research Assistant (to Daniel Kahneman), The Hebrew University of Jerusalem, Israel
- 1973-1974 Methodological Advisor and Instructor, Paul Baerwald School of Social Work, MSW Program in Social Work Research, The Hebrew University of Jerusalem
- 1974-1976 Research Associate, Oregon Research Institute, Eugene, Oregon
- 1975-1987 Visiting Assistant Professor, Dept. of Psychology, University of Oregon, 1975-1980; Visiting Associate Professor, 1980-1987
- 1976-1987 Research Associate, Decision Research, a branch of Perceptrics, Eugene, Oregon
- 1981-1982 Visiting Scientist, Medical Research Council/Applied Psychology Unit, Cambridge, England
- 1982-1983 Visiting Scientist, Department of Psychology, University of Stockholm
- 1984-1990 Research Associate, Eugene Research Institute, Eugene, Oregon
- 1987-- Howard Heinz University Professor of Social and Decision Sciences and of Engineering and Public Policy, Carnegie Mellon University
- 2014-- Visiting Professor, Leeds University School of Business

Selected Awards and Honors

- 1964-1967 Wayne State University Undergraduate Scholarship
- 1966-1967 NSF Undergraduate Research Grant (under Samuel Komorita)
- 1967 Phi Beta Kappa
- 1969-1974 The Hebrew University of Jerusalem Graduate Fellowships
- 1980 American Psychological Association Distinguished Scientific Award for Early Career Contribution to Psychology
- 1985 Harold D. Lasswell Prize for paper of year in *Policy Sciences*. [For B. Fischhoff, S. Watson & C. Hope. (1984). Defining risk. *Policy Sciences*, 17, 123-139.]
- 1985 Ida Beam Honorary Professor, University of Iowa
- 1987 Alpha Kappa Psi - Spangler Award for literature contribution having a ten-year impact in the field of risk and insurance.
- 1989 *The Best of Psychology Today* [for B. Fischhoff (1975). Hindsight: Thinking Backwards? *Psychology Today*, 8, 4].
- 1990 American Psychological Association Award for Distinguished Early Career Contribution to Psychology in the Public Interest
- 1990 President, Society for Judgment and Decision Making [Member of Board 1989-1992]
- 1991 Society for Risk Analysis, Distinguished Achievement Award
- 1992 Citation Classic. Institute for Scientific Information [For Fischhoff, B. (1975). Hindsight ≠ foresight: The effect of outcome knowledge on judgment under uncertainty.]
- 1992 Fellow, Society for Risk Analysis
- 1993 Member, National Academy of Medicine (formerly Institute of Medicine)
- 1994 Fellow, American Psychological Association, Division of Experiment Psychology
- 1998 University Professor
- 2001 Arnold M. Small Lecture in Safety, Human Factors and Ergonomics Society
- 2002 Howard Heinz University Professor of Humanities and Social Sciences
- 2003 Fellow, American Psychological Society
- 2003-2009 Member, Science Advisory Board, Environmental Protection Agency;

- 2005-2009 Chair, Environmental Protection Agency Homeland Security Advisory Committee
- 2003 President, Society for Risk Analysis [Member of Council, 2003- 2006]
- 2004-2009 Member, Science and Technology Advisory Committee, Department of Homeland Security
- 2006 G. William Morgan Memorial Lecture, Health Physics Society.
- 2007 Godfrey Hochbaum Distinguished Lecture. University of North Carolina.
- 2007 Frank Parker Distinguished Lecture. Vanderbilt University
- 2007-2011 Chair, Food and Drug Administration Risk Communication Advisory Committee
- 2009-2011 Chair, National Research Council Committee on Social and Behavioral Science Research to Improve Intelligence Analysis for National Security
- 2010 George Sager Memorial Lecture. Maine Medical Center
- 2010 Fellow, Society of Experimental Psychologists
- 2011 George J. Mitchell Lecture on Sustainability, University of Maine
- 2011- Co-Chair, National Academy of Sciences Sackler Colloquium, "The Science of Science Communication" I (2012) and II (2013).
- 2012- Co-Chair, National Research Council Committee on Future Research Goals and Directions for Foundational Science in Cybersecurity
- 2013 Teale Lecture. University of Connecticut
- 2013-2014 Co-Chair, Institute of Medicine Workshop on Characterizing and Communicating Uncertainty in the Assessment of Benefits and Risks of Pharmaceutical Products
- 2015 Osher Fellow. Exploratorium. San Francisco
- 2016 National Science Foundation. Distinguished Lecturer in the Social Behavioral and Economics Directorate.

Thesis and Dissertation

- 1972 Subjective probability: A judgment of coherence? Unpublished MA thesis (Advisor: Daniel Kahneman), The Hebrew University of Jerusalem
- 1975 Aspects of historical judgment: Effects of temporal setting and outcome knowledge on judgment under uncertainty. Unpublished PhD dissertation (Advisor: Amos Tversky), The Hebrew University of Jerusalem

Books

- Fischhoff, B. (2011). *Judgment and decision making*. Oxford: Routledge/Earthscan.
- Fischhoff, B. (2011). *Risk analysis and behavioral research*. Oxford: Routledge/Earthscan.
- Fischhoff, B., Brewer, N., & Downs, J.S. (eds.). (2011). *Communicating risks and benefits: An evidence-based user's guide*. Washington, DC: Food and Drug Administration. In Japanese (Tokyo, Maruzen, 2015).
<http://www.fda.gov/AboutFDA/ReportsManualsForms/Reports/ucm268078.htm>
- Fischhoff, B., & Chauvin, C. (eds.). (2011). *Intelligence analysis: Behavioral and social science foundations*. Washington, DC: National Academy Press.
http://www.nap.edu/catalog.php?record_id=13062
- Fischhoff, B., & Kadvany, J. (2011). *Risk: A very short introduction*. Oxford: Oxford University Press. In Swedish as *Kort om risk* (Stockholm: Fri Tanke), 2012. In Spanish as *Riesgo. Una breve introducción*. (Madrid: Alianza), 2013. In Japanese as *Decision Making in risk and uncertainty* (Tokyo: Maruzen), 2015.
- Fischhoff, B., Kotovsky, K., Tuma, H. & Bielak, J. (eds.) (1993). *A two-state solution in the Middle East: Prospects & possibilities*. Pittsburgh: Carnegie Mellon University Press.
- Fischhoff, B., Lichtenstein, S., Slovic, P., Derby, S. L. & Keeney, R. L. (1981). *Acceptable risk*. New York: Cambridge University Press. In Chinese, Peking University Press, 2009. Also appeared as *Approaches to acceptable risk*. NUREG/CR-1614. Washington, DC: Nuclear Regulatory Commission, 1980.
- Fischhoff, B., & Manski, C. (eds.). (1999). *The elicitation of preferences*. Boston: Kluwer. Also special (triple) issue of *Journal of Risk and Uncertainty*, 19(1-3).
- Fischhoff, B., & Scheufele, D. (eds.). (2013). The Science of Science Communication. *Proceedings of the National Academy of Sciences*, 110 (supplement 3).
http://www.pnas.org/content/110/Supplement_3
- Fischhoff, B., & Scheufele, D. (eds.). (2014). The Science of Science Communication II. *Proceedings of the National Academy of Sciences*, 111 (supplement 4).
http://www.pnas.org/content/111/Supplement_4
- Morgan, M.G., Fischhoff, B., Bostrom, A., & Atman, C. (2001). *Risk communication: A mental models approach*. New York: Cambridge University Press.
- Seybolt, T., Aronson, J., & Fischhoff, B. (eds.). 2013). *Counting civilian casualties: An introduction to recording and estimating nonmilitary deaths in conflict*. Oxford: Oxford University Press.

Publications

1974

- Fischhoff, B. & Beyth, R. (1974). Failure has many fathers. Review of I. Janis, *Victims of Groupthink*. *Megamot* 28, 325-328 (in Hebrew). Reprinted in *Policy Sciences*, 1976, 7, 388-393.

Koriat, A. & Fischhoff, B. (1974). What day is today? An inquiry into the process of time orientation. *Memory and Cognition*, 2, 201-205.

1975

Fischhoff, B. (1975). Hindsight ≠ foresight: The effect of outcome knowledge on judgment under uncertainty. *Journal of Experimental Psychology: Human Perception and Performance*, 1(3), 288-299. Reprinted in T.O. Nelson (ed.), *Metacognition: Core readings*. Needham Heights, MA: Allyn & Bacon, 1992; in E. Aronson & A.R. Pratkanis (eds.), *Social psychology*. Cheltenham, England: Edward Elgar; in R. Beyth-Marom (ed.), *Heuristics and biases: The psychology of intuitive judgment*. Tel Aviv: Open University Press; *Quality and Safety in Healthcare*, 2003, 12, 304-312.

Fischhoff, B. (1975). Hindsight: Thinking backwards? *Psychology Today*, 8(11), 70-76. Reprinted in *The Best of Psychology Today*. New York: McGraw-Hill, 1990; in György Hunyady (Ed.), *Történeti és politikai pszichológia* (pp 234-251). Budapest: Osiris Kiadó (in Hungarian).

Fischhoff, B. & Beyth, R. (1975). "I knew it would happen"--Remembered probabilities of once-future things. *Organizational Behavior and Human Performance*, 13, 1-16.

1976

Fischhoff, B. (1976). Attribution, theory and judgment under uncertainty. In J.H. Harvey, W.J. Ickes & R.F. Kidd (eds.), *New directions in attribution research* (pp. 419-450). Hillsdale, NJ: Erlbaum.

Fischhoff, B. (1976). The effect of temporal setting on likelihood estimates. *Organizational Behavior and Human Performance*, 15, 180-194.

Fulero, S. & Fischhoff, B. (1976). Differential media evaluations and satisfaction with election results: The bearer of good and bad tidings. *Communications Research*, 3, 22-36.

Koriat, A., Fischhoff, B. & Razel, O. (1976). Is today...? A further investigation of temporal orientation. *Acta Psychologica*, 40, 57-63.

Slovic, P., Fischhoff, B. & Lichtenstein, S. (1976). Cognitive processes and societal risk taking. In J.S. Carroll and J.W. Payne (eds.), *Cognition and social behavior* (pp. 165-184). Potomac, MD: Erlbaum. Reprinted in H. Jungermann and G. deZeeuw (eds.), *Decision making and change in human affairs*. Dordrecht, The Netherlands: D. Reidel, 1977. P. Slovic (ed.), *The perception of risk*. London: Earthscan, 2001.

1977

Beyth-Marom, R. & Fischhoff, B. (1977). Direct measures of availability and judgments of category frequency. *Bulletin of the Psychonomic Society*, 9, 236-238.

Fischhoff, B. (1977). Cognitive liabilities and product liability. *Journal of Products Liability*, 1, 207-220.

Fischhoff, B. (1977). Cost-benefit analysis and the art of motorcycle maintenance. *Policy Sciences*, 8, 177-202.

Fischhoff, B. (1977). Perceived informativeness of facts. *Journal of Experimental Psychology: Human Perception and Performance*, 3, 349-358.

Fischhoff, B., Slovic, P. & Lichtenstein, S. (1977). Knowing with certainty: The appropriateness of extreme confidence. *Journal of Experimental Psychology: Human Perception and Performance*, 3, 552-564.

Lichtenstein, S. & Fischhoff, B. (1977). Do those who know more also know more about how much they know? The calibration of probability judgments. *Organizational Behavior and Human Performance*, 20, 159-183.

Lichtenstein, S., Fischhoff, B., & Phillips, L.D. (1977). Calibration of probabilities: The state of the art. In H. Jungermann & G. deZeeuw (eds.), *Decision making and change in human affairs* (pp. 275-324). Dordrecht, The Netherlands: D. Reidel. Reprinted in R. Beyth-Marom (ed.), *Evaluation and judgment under uncertain conditions*. Ramat Aviv, Israel: Open University Press.

Slovic, P. & Fischhoff, B. (1977). On the psychology of experimental surprises. *Journal of Experimental Psychology: Human Perception and Performance*, 3, 544-551.

Slovic, P., Fischhoff, B. & Lichtenstein, S. (1977). Behavioral decision theory. *Annual Review of Psychology*, 28, 1-39.

Slovic, P., Fischhoff, B., Lichtenstein, S., Corrigan, B. & Combs, B. (1977). Preference for insuring against probable small losses: Implications for the theory and practice of insurance. *Journal of Risk and Insurance*, 44, 237-258. Also appeared as Laboratory studies of insurance behavior. In H. Kunreuther, R. Ginsburg, L. Miller, P. Sagi, P. Slovic, B. Borkan, & N. Katz, *Disaster Insurance Protection: Public Policy Lessons*. New York: Wiley. Reprinted in P. Slovic (ed.), *The perception of risk*. London: Earthscan, 2001.

1978

Fischhoff, B. (1978). Intuitive use of formal models. A comment on Morrison's "Quantitative Models in History." *History and Theory*, 17, 207-210.

Fischhoff, B., Hohenemser, C., Kasperson, R. E. & Kates, R. W. (1978). Can hazard management be improved? *Environment*, 20(7), 16-20 & 32-37.

Fischhoff, B. & Lichtenstein, S. (1978). Don't attribute this to Reverend Bayes. *Psychological Bulletin*, 85, 239-243.

Fischhoff, B. & Slovic, P. (1978). Comment on "Safety at any price?" by Walter Oh. *Regulation*, May/June.

Fischhoff, B., Slovic, P. & Lichtenstein, S. (1978). Fault trees: Sensitivity of assessed failure probabilities to problem representation. *Journal of Experimental Psychology: Human Perception and Performance*, 4, 330-344.

Fischhoff, B., Slovic, P., Lichtenstein, S., Read, S. & Combs, B. (1978). How safe is safe enough? A psychometric study of attitudes towards technological risks and benefits. *Policy Sciences*, 9, 127-152. Reprinted in P.Slovic (ed.), *The perception of risk*. London: Earthscan, 2001; R. Löfstedt & Asa Boholm (eds.), *The Earthscan reader on risk*. London: Earthscan, 2008.

Lichtenstein, S., Slovic, P., Fischhoff, B, Layman, M. & Combs, B. (1978). Judged frequency of lethal events. *Journal of Experimental Psychology: Human Learning and Memory*, 4, 551-578. Reprinted in W.K. Viscusi & T. Gayer (eds.), *Classics in Risk Management*. London: Edward Elgar.

Slovic, P., Fischhoff, B. & Lichtenstein, S. (1978). Accident probabilities and seat-belt usage: A psychological perspective. *Accident Analysis and Prevention*, 10, 281-285. Reprinted in P.Slovic (ed.), *The perception of risk*. London: Earthscan, 2001.

Slovic, P., Fischhoff, B. & Lichtenstein, S. (1978). Risk assessment: Basic issues. In R. W. Kates (ed.), *Managing technological hazards: Research needs and opportunities* (pp. 81-108). University of Colorado, Institute of Behavioral Science, Monograph Series on Technology, Government and Man.

1979

Fischhoff, B. (1979). Behavioral aspects of cost-benefit analysis. In G. Goodman and W. Rowe (eds.), *Energy risk assessment* (pp. 269-283). London: Academic. Reprint appeared in *Congressional Record*, Hearings of House Commerce Committee: "Uses and Abuses of Cost-Benefit Analysis"; in S. Fiddle (ed.), *Uncertainty: Social and behavioral dimensions*. New York: Praeger, 1980; and in R. Nicholson (ed.), *Management of assessed risk for carcinogens*. New York: New York Academy of Sciences, 1981.

Fischhoff, B. (1979). Comment on "Hazards in the Chemical Industry" by R. D. Zentner. *Chemical and Engineering News*, 57(51), 3 & 34.

Fischhoff, B. (1979). Diagnosing clinical diagnosis. Review of *Medical problem solving* by A. Elstein, L. Shulman & S. Sprafka. *Contemporary Psychology*, 24, 48-49.

Fischhoff, B. (1979). Informed consent in societal risk-benefit decisions. *Technological Forecasting and Social Change*, 13, 347-358. Also appeared in *Proceedings of the Society for General Systems Research, 22nd Annual Meeting*, 1978.

Fischhoff, B., Slovic, P. & Lichtenstein, S. (1979). Subjective sensitivity analysis. *Organizational Behavior and Human Performance*, 23, 339-359.

Fischhoff, B., Slovic, P. & Lichtenstein, S. (1979). Weighing the risks. *Environment*, 21(5), 17-20, 32-38. Reprinted in P. Slovic (ed.). (2000). *The perception of risk*. London: Earthscan; R. Zerbe (ed.). *Benefit-cost analysis*. Cheltenham: Elgar, 2008.

Slovic, P., Fischhoff, B. & Lichtenstein, S. (1979). Rating the risks. *Environment*, 21(4), 14-20, 36-39. Reprinted in *Chemtek*, 9, 738-744; *Electrical Perspectives*, 1979; Y. Haimes (ed.), *Risk-benefit analysis in water resources planning and management*. New York: Plenum, 1981; C. Hohenemser & J.X. Kasperson (eds.), *Risk in the technological society*. Boulder, CO: Westview, 1982; T.S. Glickman & M. Gough (eds.), *Readings in risk*. Washington, DC:

Resources for the Future, 1990; P. Slovic (ed.), *The perception of risk*. London: Earthscan, 2000.

Slovic, P., Fischhoff, B. & Lichtenstein, S. (1979). Images of disaster: Perception and acceptance of risks from nuclear power. In G. Goodman & W. Rowe (eds.), *Energy risk management* (pp. 223-245). London: Academic Press. Reprinted in: *Proceedings of the 15th Annual Meeting of the National Conference on Radiation Protection and Clinical Radiology*, 1983; V.T. Covello, J.L. Mumpower, P.J.M. Stallen & V.R.R. Uppuluri (eds.), *Environmental impact assessment, technology assessment and risk analysis*. Berlin: Springer-Verlag, 1985.

1980

Fischhoff, B. (1980). Clinical decision analysis. *Operations Research*, 28, 28-43. Reprinted in J. A. Dowie & A. S. Elstein (eds.), *The clinical decision: An interdisciplinary reader*. Cambridge, UK: Cambridge University Press, 1986. Reprinted as Decision analysis: Clinical art or clinical science? In L. Sjöberg, T. Tyszka & J. A. Wise (eds.), *Decision analysis and decision processes*. Lund, Sweden: Doxa, 1982. Reprinted as Clinical policy analysis. In W. N. Dunn (ed.), *Policy analysis: Concepts and methods*. Greenwich, CT: JAI Press, 1986.

Fischhoff, B. (1980). For those condemned to study the past: Reflections on historical judgment. In R.A. Shweder and D.W. Fiske (eds.), *New directions for methodology of behavioral science: Fallible judgment in behavioral research* (pp. 79-93). San Francisco: Jossey-Bass. Reprinted in D. Kahneman, P. Slovic and A. Tversky (eds.), *Judgment under uncertainty: Heuristics and biases*. New York: Cambridge University Press, 1982. In D. Levitin (ed.) (2002). *Foundations of cognitive psychology: A reader*. Cambridge, MA: MIT Press.

Fischhoff, B. & Slovic, P. (1980). A little learning...: Confidence in multicue judgment. In R. Nickerson (ed.), *Attention and performance, VIII* (pp. 779-800). Hillsdale, NJ: Erlbaum.

Fischhoff, B., Slovic, P. & Lichtenstein, S. (1980). Knowing what you want: Measuring labile values. In T. Wallsten (ed.), *Cognitive processes in choice and decision behavior* (pp. 117-141). Hillsdale, NJ: Erlbaum. Reprinted in D. Bell, H. Raiffa, & A. Tversky (eds.), *Decision making*. New York: Cambridge University Press, 1989. Abbreviated versions appear as: Labile values: A challenge for risk assessment. In J. Conrad (ed.), *Society, technology and risk*. London: Academic Press, 1980; Poorly thought-out values: Problems of measurement. In W. D. Conn (ed.), *Energy and material resources: Attitudes, values and public policy*. Boulder, CO: Westview, 1983.

Koriat, A., Lichtenstein, S. & Fischhoff, B. (1980). Reasons for confidence. *Journal of Experimental Psychology: Human Learning and Memory*, 6, 107-118. Reprinted in T.O. Nelson (ed.), *Metacognition: Core readings*. Needham Heights, MA: Allyn & Bacon, 1992.

Lichtenstein, S. & Fischhoff, B. (1980). Training for calibration. *Organizational Behavior and Human Performance*, 26, 149-171.

Murphy, A.H., Lichtenstein, S., Fischhoff, B., & Winkler, R.L. (1980). Misinterpretations of precipitation probability forecasts. *Bulletin of the American Meteorological Society*, 61, 695-701. Also issued as *NOAA Technical Memorandum, NWS-WR-149*. 1980.

Slovic, P., Fischhoff, B. & Lichtenstein, S. (1980). Facts and fears: Understanding perceived risk. In R. Schwing & W.A. Albers, Jr. (eds.), *Societal risk assessment: How safe is safe*

enough? (pp. 181-214). New York: Plenum Press. Revision in D. Kahneman, P. Slovic, & A. Tversky (eds.), *Judgment under uncertainty: Heuristics and biases*. New York: Cambridge University Press, 1982. Reprinted in K.G. Willis, K.J. Button, & P. Nijkamp (eds.), *Environmental valuation*. Cheltenham, UK: Edward Elgar; P. Slovic (ed.), *The perception of risk*. London: Earthscan, 2001; in *Antologia di studi sul rischio*. Milan: Italian Institute for Research and Development of Insurance. 2004; Daniele Pace (ed), *Economica del rischio*, Milan: Giuffrè Editore, 2008.

Slovic, P., Fischhoff, B., & Lichtenstein, S. (1980). Informing people about risks. In L. Morris, M. Mazis & I. Barofsky (eds.), *Product labeling and health risks* (pp. 165-181). Banbury Report 6. Cold Spring Harbor, NY: The Banbury Center. Revision appeared as: Informing the public about the risks from ionizing radiation. In *Proceedings of the public meeting on a proposed federal radiation research agenda*. Bethesda, MD: National Institutes of Health, 1980. Also in *Health Physics*, 1981, 41, 589-598.

Slovic, P., Fischhoff, B., & Lichtenstein, S. (1980). Perceived risk and quantitative safety goals for nuclear power. *Transactions of the American Nuclear Society*, 35, 400-401.

Slovic, P., Fischhoff, B. & Lichtenstein, S. (1980). Risk assessment: Technical and behavioral issues. In *Risk/benefit in the legislative process* (pp. 133-188). Joint Hearings before the Committee on Science and Technology, U.S. House of Representatives and the Committee on Commerce, Science and Transportation, U.S. Senate; July 1979. Washington, DC: Government Printing Office.

Slovic, P., Fischhoff, B. & Lichtenstein, S. (1980). Risky assumptions. *Psychology Today*, 14(1), 44-48.

1981

Bar-Hillel, M & Fischhoff, B. (1981). When do base rates affect predictions? *Journal of Personality and Social Psychology*, 41, 671-680.

Distinguished Scientific Awards for Early Career Contribution to Psychology: 1980. (1981). Baruch Fischhoff. *American Psychologist*, 36, 74-78.

Fischhoff, B. (1981). Can any assertions about behavior be empirically demonstrated? Response to J. Cohen, "Can human irrationality be empirically demonstrated?" *Behavioral and Brain Sciences*, 4, 336-337.

Fischhoff, B. (1981). Hot air: The psychology of CO₂ -induced climatic change. In J. Harvey (ed.), *Cognition, social behavior and the environment* (pp. 163-184). Hillsdale, NJ: Erlbaum.

Fischhoff, B. (1981). Inferential interference. Review of *Human inference: Strategies and shortcomings of social judgment*, by R. Nisbett & L. Ross. *Contemporary Psychology*, 26, 901-903.

Fischhoff, B. (1981). No man is a discipline. In J. Harvey (ed.), *Cognition, social behavior and the environment* (pp. 579-583). Hillsdale, NJ: Erlbaum.

Fischhoff, B., Slovic, P. & Lichtenstein, S. (1981). Lay foibles and expert fables in judgments about risk. In T. O'Riordan & R.K. Turner (eds.), *Progress in resource management and*

environmental planning, Vol. 3, (pp. 161-202). Chichester, UK: Wiley. Reprinted in *American Statistician*, 1982, 36, 240-255; *Report of Scandinavian Cooperative Risk Analysis Project*. Stockholm, Sweden: Nordforsk, 1983; E.J. Balleisen (ed.), *Business Regulation*. Edward Elgar: London, 2015.

Fischhoff, B. & Whipple, C. (1981). *Assessing health risks associated with ambient air quality standards*. Report to U. S. Environmental Protection Agency, Office of Air Quality Planning and Standards. Reprinted in *Environmental Professional*, 3(3), 277-291; *Human reliability in complex technical systems*. Stockholm, Sweden: Royal Swedish Academy of Engineering, 1983.

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1982

Fischhoff, B. (1982). Debiasing. In D. Kahneman, P. Slovic, & A. Tversky (eds.), *Judgment under uncertainty: Heuristics and biases* (pp. 422-444). New York: Cambridge University Press.

Fischhoff, B. (1982). Judging probabilities. *Priority mechanisms for toxic chemicals*. Washington, DC: National Research Council.

Fischhoff, B. (1982). Latitude and platitudes: How much credit do people deserve? In G.R. Ungson & D.N. Braunstein (eds.), *Decision making: An interdisciplinary inquiry* (pp. 116-120). New York: Kent.

Fischhoff, B., Goitein, B., & Shapira, Z. (1982). The experienced utility of expected utility approaches. In N. Feather (ed.), *Expectancy, incentive and action* (pp. 315-339). Hillsdale, NJ: Erlbaum. Abridgement appears as SEU: A model of decision making. *Journal of the American Society for Information Sciences*, 1981, 32, 391-413; R.W. Scholz (ed.), *Decision making under uncertainty: Cognitive decision research, social interaction, development and epistemology*. Amsterdam: North Holland, 1983; *Sbornik Trudov*. Institute for System Studies: Moscow, 1985 (in Russian).

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Shaklee, H. & Fischhoff, B. (1982). Strategies of information search in causal analysis. *Memory and Cognition*, 10, 520-530.

Slovic, P. & Fischhoff, B. (1982). Targeting risks: Comments on Wilde's "Theory of Risk Homeostasis." *Risk Analysis*, 2, 227-234.

Slovic, P., Fischhoff, B. & Lichtenstein, S. (1982). Response mode, framing, and information-processing effects in risk assessment. In R. Hogarth (ed.), *New directions for methodology of social and behavioral science: Question framing and response consistency* (pp. 21-36). San Francisco: Jossey-Bass. Reprinted in P. Slovic (ed.), *The perception of risk*. London: Earthscan, 2001.

Slovic, P., Fischhoff, B. & Lichtenstein, S. (1982). Why study risk perceptions? *Risk Analysis*, 2, 83-93.

1983

Beyth-Marom, R. & Fischhoff, B. (1983). Diagnosticity and pseudodiagnosticity. *Journal of Personality and Social Psychology*, 45, 1185-1195.

Fischhoff, B. (1983). Acceptable risk: The case of nuclear power. *Journal of Policy Analysis and Management*, 2, 559-575. Reprinted in *Policy Studies Review Annual*, 1984, 7.

Fischhoff, B. (1983). Decision making. In *Research needs for human factors* (pp. 12-32). Washington, DC: National Research Council.

Fischhoff, B. (1983). Eliciting information from experts. In *Research needs for human factors* (pp. 33-48). Washington, DC: National Research Council.

Fischhoff, B. (1983). Informed consent for transient nuclear workers. In R. Kasperson (ed.), *Equity issues in radioactive waste management* (pp. 301-328). Cambridge, MA: Oelgeschlager, Gunn & Hain.

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Fischhoff, B. (1983). Reconstructive criticism. In P. C. Humphreys, O. Svenson & A. Vari (eds.), *Analysing and aiding decision processes* (pp. 515-523). Amsterdam: North Holland.

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Fischhoff, B. & Beyth-Marom, R. (1983). Hypothesis evaluation from a Bayesian perspective. *Psychological Review*, 90, 239-260. Reprinted in J.A. Dowie & A.S. Elstein (eds.), *The clinical decision: An interdisciplinary reader*. Cambridge, UK: Cambridge University Press.

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Editorial Board Memberships

Consulting Editor. *Environment*, 1978 - 1984.

Consulting Editor. *Journal of Personality and Social Psychology*, 1978 - 1990.

Consulting Editor. *Organizational Behavior and Human Decision Processes*, 1980 - 2007.

Associate Editor. *Journal of Forecasting*, 1980 - 1985; *International Journal of Forecasting*, 1985 - 1998.

Consulting Editor. *Social Behavior: International Journal of Applied Social Psychology*, 1985 - 1991.

Consulting Editor. *Accident Analysis and Prevention*, 1986 - 1997.

Member, International Advisory Board. *Policy Sciences*, 1986 - 1995.

Associate Editor. *Journal of Risk and Uncertainty*, 1986 - present.

Associate Editor. *Cognitive Psychology*, 1987 - 1995.
Member, Editorial Advisory Board. *Risk: Health, Safety, & Environment*, 1991 - 2003.
Consulting Editor. *Journal of Experimental Psychology: Applied*, 1993 - 2000.
Associate Editor, *Journal of Behavioral Decision Making*, 1994 - present.
Member, Editorial Board, *Current Psychology of Cognition*, 1994 - 2000.
Associate Editor, *Risk, Decision & Policy*, 1995 - 2003.
Review Coordinator, National Research Council Committee on Risk Characterization (*Understanding risk*), 1996.
Member, Editorial Board. *Risk Analysis*, 1997 - present.
Member, Editorial Board, *Journal of Risk Research*, 1999-present.
Member, Editorial Board, *Decision Analysis*, 1999-present.
Member, Advisory Board, *Behavioral and Experimental Finance*, 2004-present.
Member, Editorial Board, *Behavioral Science and Policy*, 2010-present.
Member, Editorial Board, *Jàmbá: Journal of Disaster Risk Studies*, 2011-present.
Member, Editorial Board, *Journal of Applied Research in Memory and Cognition*, 2011-present.
Co-Editor, Special issues of the *Proceedings of the National Academy of Sciences*, on "The Science of Science Communication," 2012-2014.
Associate Principal Investigator, TESS (Time-Sharing Experiments for the Social Sciences), 2013-present.

Committees of the National Academies

National Research Council Panel on Survey Measurement of Subjective Phenomena, 1979 - 1981.
National Research Council Committee on Human Factors, 1980 - 1987.
National Research Council Committee on Priority Mechanisms for the National Toxicology Program, 1980 - 1984.
National Research Council Committee on Research Needs in Space Station Design, 1986 - 1987.
National Research Council Panel on the Use of Pilot Performance Models in Computer-Aided Design Facility, 1986 - 1988.
National Research Council Committee on Risk Perception and Communication, 1987 - 1989.
National Research Council Ad Hoc Panel on Behavioral Science Contributions to AIDS, 1987.
National Research Council Committee on Human Dimensions of Global Environmental Change, 1989 - 1995.
Institute of Medicine Committee on Substance Abuse & Mental Health Issues in AIDS Research, 1993 - 1995.
National Research Council Commission on Behavioral and Social Science and Education, 1994 - 2000.
National Research Council Committee on Criteria for Federal Support of R&D, 1994 - 1996.
Institute of Medicine Committee on Environmental Justice, 1996 - 1999.
National Research Council/Institute of Medicine Forum on Adolescence, 1997-2000 (liaison).
Institute of Medicine Committee on the National Institutes of Health Research Prioritization Process, 1998.
Institute of Medicine Board on Health Promotion and Disease Prevention, 1998-2001.
National Research Council Committee on Grand Challenges in Environmental Sciences, 1998-2000.
National Research Council Steering Committee for the Workshop on Work-Related Musculoskeletal Disorders, 1998.
Institute of Medicine Roundtable on Environmental Health Science and Research, 1998-2006.
National Research Council Panel on Musculoskeletal Disorders in the Workplace, 1999-2001.

National Research Council Committee on Future Directions for Social and Behavioral Sciences Research at the National Institutes of Health, 1999-2001.
Institute of Medicine Committee on Adolescent Risk and Vulnerability, Co-Chair, 2000-2001.
Institute of Medicine Committee on Adolescent Health and Development, 2001-2003 (liaison).
National Research Council Roundtable Social and Behavioral Sciences on Terrorism, 2002-2004.
National Academy of Sciences Committee on Public Understanding of Science, 2002-2003.
Communications Advisory Committee, 2003-2005.
National Research Council Committee to Review the Office of Management and Budget Risk Assessment Bulletin, 2006-2007.
National Research Council Committee on Behavioral and Social Science Research to Improve Intelligence Analysis for National Security, 2009-2011 (chair).
National Academies of Science Sackler Colloquia Committee, "The Science of Science Communication," 2011-2014 (co-chair).
National Research Council Committee on Ethical and Societal Implications of Advances in Militarily Significant Technologies that are Rapidly Changing and Increasingly Globally Accessible, 2011-2014.
National Research Council Committee on Future Research Goals and Directions for Foundational Science in Cybersecurity, 2012-present (co-chair).
IOM Workshop on Characterizing and Communicating Uncertainty in the Assessment of Benefits and Risks of Pharmaceutical Products, 2013-2014 (co-chair)
National Research Council Advisory Committee to the US Global Change Research Council, 2014-present.
National Research Council Committee on the Risks and Benefits of Gain of Function Research, 2014-present
National Academies Communication Awards Selection Committee, 2014-present.
National Research Council Planning Committee on Methods for Characterizing Risk in Climate Change Assessments, 2015-present.

Selected Other Activities

Eugene, OR, Commission on the Rights of Women, Founding Member, 1976 - 1981.
Eugene, OR, Human Rights Commission, 1978-81, President, 1979-81.
Cooperative research group in decision making. US-Hungarian Academies of Sciences, 1979 - 1985.
Visiting Member. Senior Combination Room. Churchill College, Cambridge University, 1981 - 1982.
Task Force for the Prevention of Nuclear War. American Psychological Association, 1984.
President. Eugene Research Institute, 1984 - 1987.
Advisory Panel. National Science Foundation Division of Information Science and Technology, 1985 - 1987.
International Joint Commission on the Great Lakes Advisory Panel on Man-Machine Interactions in Pollution Control, 1985 - 1987.
Committee on Research Support. American Psychological Association, 1986 - 1988; Chair, 1987 - 1988.
Advisory Committee on the Resolution of Ethical & Legal Conflicts to the ATSDR/NIOSH/MIT Project on Community Monitoring for Exposure to Toxic Substances & Associated Risks to Health, 1989 - 1991.
Carnegie Council on Adolescent Development Working Group on the Role of Voluntary Organizations in Serving Disadvantaged Youth, 1989 - 1990.

Advisory Board. Policy Research & Intervention for Development in Early Adolescence. Pennsylvania State University, 1990 - 1993.

Advisory Panel, Office of Technology Assessment. Systems at risk from climate change, 1991-1993.

Advisory Board. Georgetown University Project on Student Values. 1991 - 1993.

Advisory Board. Resources for the Future. Study on cost-effectiveness of federal programs to save lives. 1991 - 1993.

Review Panel. National Science Foundation Program on Decision Risk and Management Science, 1992-1994.

External Review Committee. Centers for Disease Control HIV/AIDS Public Information and Education Program, 1993.

Scientific Advisory Committee. Electric Power Research Institute. Risk Assessment & Management Program. 1995.

Advisory Committee. National Science Foundation Study on "The role of insurance and regulations in dealing with natural hazards." Wharton School, University of Pennsylvania. 1995 - 1998.

Review Panel & Lecturer. USAID Workshop for Central Asia Environmental Officials. 1995

Scientific Advisory Committee, Advanced Driver Educational Products and Training, 1995 - 2000.

APA Presidential Task Force on Adolescent Girls: Strengths and Stresses, 1997-2001.

Director, Center for the Integrated Study of Human Dimensions of Global Change, 2000-2006.

Head, Decision Sciences Major, Department of Social and Decision Sciences, 2000-present.

Chair, Environmental Protection Agency Scientific Advisory Board, Workshop on Understanding Public Values and Attitudes Related to Ecological Risk Management, 2000-2001.

Chair, Scientific Advisory Committee, King's College Centre for Risk Management, 2002 – 2007.

Member, Advisory Committee, Henley Institute of Management, 2002 – 2005.

Member, Scientific Advisory Board, Environmental Protection Agency, 2003-2009.

Chair, Homeland Security Advisory Committee, Environmental Protection Agency, 2004-2009.

Member, Department of Homeland Security Science and Technology Advisory Committee, 2004-2009.

Member, World Federation of Scientists, Permanent Monitoring Panel on Terrorism, 2004-2009.

Member, European Food Safety Agency, Risk Communication Advisory Committee, 2004-2008.

Member, Department of Homeland Security Partners Program. 2005-2007.

Member, Social Responses to Avian Flu Planning Group (PanDefense), 2005-2006.

Member. Israel Environmental Health Fund Advisory Committee, 2006-2008.

Member. Heritage Foundation, Science and Engineering for National Security Advisory Board, 2006-2008.

Associate, National Intelligence Council Global Expertise Reserve Program, 2006-2008;
Department of State Bureau of Intelligence and Research Global Expertise Program, 2008-2010.

Member, Pittsburgh Mind Body Center, 2006-present.

Co-Chair, Centers for Disease Control and Prevention, Expert Panel on Decision Making and Risk Perception in Diabetes Prevention, 2007.

Member, Decision Education Foundation Advisory Council, 2007-present.

Member, Intangible Asset Finance Society, Council, 2007-present

Chair, Food and Drug Administration Risk Communication Advisory Committee, 2007-2011.

Member, Scientific Advisory Committee, Great Lakes Integrated Sciences and Assessments Center, 2011-present.

Member, Advisory Committee, Gordon and Betty Moore Foundation Environmental Conservation Program, 2011-2013.

Affiliate, Ideas42, 2011-present.

Informulary, Scientific Advisory Committee, 2013-present
American Society of Civil Engineers Council on Disaster Risk Management Mitigation
Committee, 2013-2014.
Senior Advisor, International Consortium on Civilian Casualties, 2014-present.

Doctoral Students (Chair)

Harriet Shaklee, *Discounting in causal attribution*, 1979. University of Idaho.

Cynthia J. Atman, *Network structures as a foundation for risk communication: An investigation of structure and format differences*, 1990. University of Washington.

Ann H. Bostrom, *A mental models approach to exploring perceptions of hazardous processes*, 1990. University of Washington.

Marilyn J. Quadrel, *Elicitation of adolescents' risk perceptions: Qualitative and quantitative dimensions*, 1990. Battelle Pacific Northwest Laboratories.

Jon Merz, *Toward a standard of disclosure for medical informed consent: Development and demonstration of a decision-analytic methodology*, 1991. University of Pennsylvania.

Marek J. Druzdzel, *Probabilistic reasoning in decision support systems: From computation to common sense*, 1992. University of Pittsburgh.

Michael Maharik, *Public perceptions of the risks of an unfamiliar technology: The case of using nuclear energy sources for space missions*, 1992. Israel Atomic Energy Commission.

Laurel Austin, *Consumer insurance decisions: Empirical analysis of four real-world decisions*, 1996. Copenhagen Business School.

Sharon A. Jones, *A methodology for evaluating the usefulness of global-change information for long-term decision making: A case study of fisheries management in the Pacific Northwest*, 1996. Dean of Engineering, University of Portland.

Karen Jenni, *Attributes for risk evaluation*, 1997. Insight Decisions.

Wändi Bruine de Bruin, *People's understanding of probability: "It's a fifty-fifty chance,"* 1998. Leeds University.

Stephanie Byram, *Breast cancer and mammogram screening: Mental models and quantitative assessments of belief*, 1998. Deceased.

Donna Riley, *Human factors in exposure analysis for consumer paint-stripper use*, 1998. Virginia Tech.

Shane Frederick, *Discounting, time preference, and identify*, 1999. Yale University.

Hiroshi Hayakawa, *Insurance buying behavior and risk management: A cross-national perspective*. 2000. FMI Corporation; Advantage Partners, Tokyo.

Andrew Parker. *An individual-differences measure of decision-making competence*, 2000. RAND.

Ned Welch. *The role of immediate affect in risky decision making*. 2001. McKinsey & Co.

Dan Kovacs. *Risk communication, for individuals and communities*. 2003. Decision Partners.

Matthew Dombroski. *A framework for risk assessment of radiological dispersion device (RDD) events Integrating physical dispersion and behavioral response models*. 2005. Lawrence Livermore National Laboratory

Sara Eggers. *Behaviorally realistic standards for the adequacy of product communications*. 2005. Food and Drug Administration.

Umit Güvenç. *A scenario-based integrated risk assessment and risk communication methodology for a new biomedical technology: A case study in xenotransplantation*. 2005. Philips.

Alex Davis. *The file-drawer problem*. 2012. Carnegie Mellon University.

Daniel Schwarz Perloth. *The Hawthorne (study participation) effect in consumer energy behavior*. 2013. University of Chile.

Michael Yu. *Trust and outcome knowledge*. 2014. Carnegie Mellon University.

Alycia Chin. *Addressing Consumers' Information Needs: An Investigation of Credit Card Disclosures*. 2015. Consumer Finance Protection Bureau.

Nathaniel Peterson. *A behavioral decision research approach to college completion risk*. 2015. Human Capital Research.

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