

## Robert T. Croyle, PhD

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### **Education**

	<b>Year</b>	<b>Degree</b>	<b>Major</b>
Princeton University	1985	PhD	Psychology (Social)
Princeton University	1981	MA	Psychology
University of Washington	1978	BA	Psychology

### **Description of Current Position**

As Director, Division of Cancer Control and Population Sciences (DCCPS), at the National Cancer Institute (NCI), Dr. Croyle serves on the NCI leadership group and leads a half-billion dollar program of extramural research, contracts, interagency agreements, and in-house research. He also represents NCI in a wide variety of public health research and policy contexts within and outside the federal government. The division includes 16 branches organized into large programs in cancer surveillance, epidemiology and genomics, behavioral science, health services, implementation science, and cancer survivorship research. Among the signature initiatives that have been supported by the division are the Transdisciplinary Research on Energetics and Cancer Centers, the Centers of Excellence in Cancer Communication Research, the Centers for Population Health and Health Disparities, the HMO Cancer Research Network, Population-based Research Optimizing Screening through Personalized Regimens, the Breast Cancer Surveillance Consortium, the Breast Cancer and the Environment Research Program, the International Cohort Consortium, the Cancer Intervention and Surveillance Modeling Network, the Quality of Cancer Care Initiatives, the State and Community Tobacco Control Initiative, and the Cancer Family Registries. The division has extensive collaborations with the Centers for Disease Control and Prevention, the Agency for Healthcare Research and Quality, several NIH institutes, and many private organizations, including the Robert Wood Johnson Foundation and the American Cancer Society.

### ***Previous Positions Held***

2002-2003 Acting Director, DCCPS, NCI  
1998-2002 Associate Director for Behavioral Research, DCCPS, NCI  
1998-99 Professor, Department of Psychology, University of Utah  
1991-98 Associate Professor, Department of Psychology, University of Utah  
1994-98 Member, Huntsman Cancer Institute, University of Utah  
1994-98 Faculty Member, University of Utah GENESIS (Genetic Science in Society) Program  
1989-91 Assistant Professor, Department of Psychology, University of Utah  
1987-89 Visiting Investigator, Cancer Prevention Research Program, Fred Hutchinson Cancer Research Center, Seattle  
1987-89 Research Associate & Lecturer, University of Washington, Seattle  
1986-87 Visiting Assistant Professor, University of Washington, Seattle  
1983-86 Assistant Professor, Williams College, Williamstown, Massachusetts

### ***Administrative Positions Held***

1995-98 Director, Behavioral Medicine Training Program, University of Utah  
1995-98 Huntsman Cancer Institute Steering Committee for High Risk Cancer Clinics  
1994-95 Chair, Department of Psychology Executive Committee  
1994 Acting Chair, Department of Psychology, University of Utah  
1992-95 Head, Social Psychology Program, Department of Psychology, University of Utah

### ***NIH Service***

NIH Search Committee for Director, NIAAA  
HHS Tobacco Control Steering Committee  
Co-Chair, FDA/NIH Tobacco Regulatory Science Initiative  
Chair, NCI Search Committee for Associate Director for Prevention  
Chair, NCI Search Committee for Director for the Division of Cancer Prevention  
Chair, NCI Search Committee for Director for the Office of Science Planning and Assessment  
Search Committee for Director of the NIH Office of Disease Prevention  
NCI Search Committee for Executive Officer  
NCI Search Committee for Director of NCI Center for Global Health  
Member, NCI Scientific Program Leaders Group  
Member, NCI Executive Committee (EC)  
NIH Comparative Effectiveness Research (CER) Coordinating Committee  
NIH Basic Behavioral and Social Science Opportunity Network (OppNet) Steering Committee  
NIH liaison to the National Committee on Vital and Health Statistics (NCVHS)  
NIH liaison to FDA and the HHS Office of the Secretary on issues related to the FDA legislative authority to regulate tobacco products  
NIH OBSSR Director Search Committee  
Chair, NIEHS Search Committee for Director, Division of Extramural Research and Training  
Co-chair, NIH Community Engagement in Research Implementation (CERI) Working Group  
NIH Evaluation Oversight Committee  
OPASI (Roadmap) Working Group  
NCI Human Resources Study Committee

Center for Scientific Review Division of AIDS, Behavioral and Population Sciences Director  
Search Committee  
NIH Ex Officio Member, FDA Tobacco Products Scientific Advisory Committee  
NIH representative, inter-agency HHS National Prevention and Health Promotion Strategy  
Working Group  
Search Committee for the National Library of Medicine's Associate Director for Health  
Information Programs Development  
Chair, NCI EC Subcommittee on Science Planning and Assessment  
Chair, NCI EC Subcommittee on Communications  
NCI EC Subcommittee on International Activities

### ***Editorial Boards***

Associate Editor, Cancer Epidemiology, Biomarkers & Prevention, 1999-2000  
Consulting Editor, British Journal of Health Psychology, 1995 - 1998  
Consulting Editor, Health Psychology, 1994 - 1995, 1997

### ***Honors & Awards***

NIH Director's Award, 2015  
American Society of Preventive Oncology Distinguished Achievement Award, 2014  
NIH Office of the Director Honor Award, 2013  
American Psychological Association (APA) Presidential Citation Award, 2012  
American Journal of Nursing Book of the Year Award, 2009  
APA Nathan Perry Career Service to Health Psychology Award, 2009  
NIH Merit Award, 2008  
Fellow of the APA, 2008  
Society of Personality and Social Psychology Service Award, 2003  
APA Meritorious Research Service Citation, 2002  
NIH Merit Award, 2002  
Society of Behavioral Medicine Distinguished Service Award, 2001  
NIH Director's Award, 2000  
Fellow of the Society of Behavioral Medicine, 2000  
NIH Merit Award, 1999  
Oncology Nursing Society/Schering Excellence in Nursing Research Award, 1999  
Member, Academy of Behavioral Medicine Research, 1998  
University of Utah College of Social and Behavioral Sciences Superior Research Award, 1997  
University of Utah Faculty Fellow Award, 1995  
American Society of Trial Consultants Research Award, 1987  
Sigma Xi, 1983  
Princeton University Graduate Fellowship, 1979  
Phi Beta Kappa, 1978  
Baccalaureate Degree With Distinction, 1978  
Edwin Guthrie Prize in Psychology, 1977

### ***Memberships***

Academy of Behavioral Medicine Research; American Society of Preventive Oncology; Society of Behavioral Medicine (Fellow); American Psychological Association (Fellow); Divisions 8 (Personality & Social Psychology) and 38 (Health Psychology); Society for Research on Nicotine and Tobacco; American Public Health Association

## ***Research Interests***

*Cancer Prevention & Control* Genetic testing for cancer susceptibility; impact of screening; cancer risk perception; coping with cancer and cancer treatment

*Health Psychology* Biases in health beliefs and judgments; risk and health threat appraisal, symptom reporting; illness behavior; health-related memory; survey methods

## ***Program of Research***

My basic behavioral science research program has utilized the methods of laboratory-based experimental social psychology to examine how individuals appraise and react to health threats. My collaborators and I developed the first experimental paradigm to study psychological responses to medical diagnosis (Croyle & Ditto, 1990). This paradigm has been used in several studies to investigate the social and cognitive processes underlying the interpretation of and responses to health threat. I am particularly interested in how self-enhancement motives (e.g. denial and defensiveness) and problem-focused coping combine to mediate health behavior.

My applied research concerned the psychological and behavioral impact of risk factor and screening tests, including genetic testing for cancer susceptibility (e.g. mutations in the BRCA1 gene). In collaboration with several investigators, I have conducted cross-sectional and prospective research that examines how high-risk individuals and families perceive cancer risk and respond to risk information. In addition, this work also has examined how long-term memory for and adherence to information provided in screening settings are influenced by social and individual factors. My most recent work has utilized family-based and population-based surveys of attitudes toward cancer genetic testing.

The overall goal of my research program is to inform both behavioral science theory and medical practice by bridging basic and applied research in health psychology and public health. The cancer prevention and control domain provides an important context within which to test psychological models, and the results of this work can be applied to achieve improvements in preventive oncology and the design and implementation of public health interventions.

## ***Grant Support (University of Utah)***

CA70593-01: "Needs Assessment: A High-Risk African-American Family"

National Cancer Institute and the National Action Plan on Breast Cancer

A psychological survey and needs assessment of members of a Louisiana-based kindred linked to a mutation in the BRCAI breast/ovarian cancer gene.

Robert T. Croyle, P.I.

Length of Support: 9/30/95 - 9/29/98

Time/Effort: 15% contributed

Total Award: \$141,020

"Psychological and Behavioral Assessment and Follow-up of High Risk Breast Cancer Clinic Participants"

Huntsman Cancer Institute intramural grant (co-funded by an NCI center grant and the Huntsman Cancer Foundation)

Examines predictors of psychological and behavioral responses to breast/ovarian cancer risk notification and counseling among high-risk women.

Robert T. Croyle, P.I.

Length of Support: 3/1/97 - 6/30/98

Total Award: \$57,198

NRO457 1: "Post-Radiation Coping Processes: A Randomized Trial"

National Institute for Nursing Research

Compares the efficacy of two theoretically-based interventions for reducing distress and improving adjustment among breast cancer patients completing radiation treatment.

Lillian Nail, P.I.

Time/Effort: 15%

Length of Support: 3/1/98 - 2/28/01

Total Award: \$1,049,760

CA63681-01: "Behavioral and Psychosocial Effects of BRCA1 Testing"

National Cancer Institute

A comprehensive prospective examination of the impact of genetic testing for breast and ovarian cancer susceptibility on the psychological adjustment and health behavior of test participants, their spouses and their families.

Jeffrey Botkin, P.I.

Length of Support: 4/1/94-3/31/98

Time/Effort: 20%

Annual Direct Costs: \$340,528

"Rocky Mountain Cancer Genetics Consortium"

National Cancer Institute

Enrolls a large study population of individuals from Utah, Colorado, and New Mexico with family histories of breast, prostate, or colorectal cancer into a cancer genetics research registry.

Raymond White, P.I.

Time/Effort: 5% as Consortium Behavioral Sciences Director

Length of Support: 03/01/98 - 02/28/03

Total Award Requested: \$4,605,989

CA70610-01: "A Model: Peer Education for Genetics and Breast Cancer"

National Cancer Institute and the National Action Plan on Breast Cancer

Tests whether a peer education model can successfully educate women with breast cancer about genetic risk factors.

Vickie L. Venne, P.I.

Length of Support: 9/30/95 - 9/29/98

Time/Effort: 15% contributed

Total Award for One Year: \$49,539

"Intensive Course for Genetic Counselors & Oncology Nurses"  
Cancer Center Support Grant: Genetics Research Supplement  
CCSG Supplemental Initiative for Support of Heritable Cancer Genetics Research Supported the planning, design, implementation and evaluation of a model intensive cancer genetics training course for genetic counselors and oncology nurses in the Rocky Mountain Region.  
Raymond L. White, P.I. of Center Grant; R. Croyle, V. Venne, and K. Mooney, project leaders.  
Time/Effort: 5%  
Length of Support: 9/1/96 - 8/31/97  
Total Award Requested: \$75,607

"Describing Experiences Following Radiation Treatment"  
Oncology Nursing Society Foundation  
An observational study of side effects and psychological distress among female breast and male prostate cancer patients who have completed radiation therapy.  
Lillian M. Nail, P.I.  
Length of Support: 6/1/94-5/31/96  
Total Award for Two Years: \$ 10,000

"Emotional Expression in Cancer Patients: A Pilot"  
Oncology Nursing Society Foundation  
A pilot study of two psychological interventions for female breast and male prostate cancer patients who have completed radiation therapy.  
B. Lee Walker, P.I.  
Length of Support: 6/1/94-5/31/96  
Total Award for Two Years: \$9,598

HS06660: "Cognitive Errors Concerning Personal Health"  
Agency for Health Care Policy & Research  
An applied research project designed to document errors in health-related memory and judgment and to develop means of reducing, these errors within the context of health surveys.  
Robert T. Croyle, P.I.  
Time/Effort: 25%.  
Length of Support: 2/1/91-1/31-95  
First Year Direct Costs: \$114,690  
Total Award for Three Years: \$526,922

NM43097: "Illness Cognition and Behavior: An Experimental Approach"  
National Institute of Mental Health  
A basic research project that examined how individuals appraise medical test results and cope with health threat.  
Robert T. Croyle, P.I.  
Length of Support: 4/1/90-3/31/93  
First Year Direct Costs: \$76,767  
Total Award for Three Years: \$310,513

ADAMHA: "ASIP University of Utah" Small Instrumentation Grant Program  
Alcohol, Drug Abuse, and Mental Health Administration  
Funds supplemental equipment purchases for currently funded ADAMHA grants.  
Raymond P. Kesner, P.I.  
First Year Direct Costs: \$22,909

S07 RRO7092: "Psychological Effects of Cholesterol Test Results"  
National Institutes of Health  
Biomedical Research Support Grant, University of Utah.  
Length of Support: 11/1/89-6/30/90  
Direct Costs: \$ 1,000  
Length of Support: 3/1/98 - 2/28/01  
Total Award: \$1,049,760

***Grants at the Fred Hutchinson Cancer Research Center (co-investigator)***

CA34847-06: "A Stepped Approach to Smoking Reduction at the Worksite"  
National Cancer Institute  
Program Project Component Grant  
P.I.: Beti Thompson  
Time/Effort: 30%  
Length of Support: 7/1/88-6/30/89

NCI STRI: "Development of Methods for Study of Worksite Smoking Policies"  
National Cancer Institute  
Short-term Research Initiative  
P.I.: Susan Kinney  
Time/Effort: 10%  
Length of Support: 7/1/88-6/30/89

NCI Program Project Core: "Surveillance and Investigation Section"  
Program Project Shared Resource: The Cancer Behavioral Risk Factor Survey  
P.I.: Emily White  
Time/Effort: 10%  
Length of Support: 7/1/88-6/30/89

CA45931-01: "Test of a Telephone Intervention for Blue Collar Smokers"  
National Cancer Institute  
P.I.: Maureen Henderson  
Time/Effort: 20%  
Length of Support: 10/1/87-9/30/90

***Publications: Journal Articles and Book Chapters (Peer reviewed)***

- Croyle, R. T., & Cooper, J. (1983). Dissonance arousal: Physiological evidence. *Journal of Personality and Social Psychology*, 45, 782-791.
- Cooper, J., & Croyle, R. T. (1984). Attitudes and attitude change. *Annual Review of Psychology*, 35, 395-426.
- Jemmott, J. B., Ditto, P. H., & Croyle, R. T. (1986). Judging health status: Effects of perceived prevalence and personal relevance. *Journal of Personality and Social Psychology*, 50, 899-905.
- Croyle, R. T., & Uretsky, M. B. (1987). Effects of mood on self-appraisal of health status. *Health Psychology*, 6, 239-253.
- Jemmott, J. B., Croyle, R. T., & Ditto, P. H. (1988). Commonsense epidemiology: Self-based judgments from laypersons and physicians. *Health Psychology*, 7, 55-73.
- Croyle, R. T., & Sande, G. N. (1988). Denial and confirmatory search: Paradoxical consequences of medical diagnosis. *Journal of Applied Social Psychology*, 18, 473-490.
- Croyle, R. T., Jemmott, J. B., & Carpenter, B. D. (1988). Relations among four individual difference measures associated with cardiovascular dysfunction and anger coping style. *Psychological Reports*, 63, 779-786.
- Goodman, J., & Croyle, R. T. (1989). Social framework testimony in employment discrimination cases. *Behavioral Sciences and the Law*, 7, 227-241.
- Croyle, R. T., & Ditto, P. H. (1990). Illness cognition and behavior: An experimental approach. *Journal of Behavioral Medicine*, 13, 31-52.
- Croyle, R. T. (1990). Biased appraisal of high blood pressure. *Preventive Medicine*, 19, 40-44.
- Kristal, A. R., Abrams, B. F., Thornquist, M. D., Disogra, L., Croyle, R. T., Shattuck, A. L. & Henry, H. J. (1990). Development and validation of a food use checklist for evaluation of community nutrition interventions. *American Journal of Public Health*, 80, 1318-1322.
- Croyle, R. T., & Hunt, J. R. (1991). Coping with health threat. Social influence processes in reactions to medical test results. *Journal of Personality and Social Psychology*, 60, 382-389.
- Skelton, J. A., & Croyle, R. T. (1991). Mental representation, health, and illness: An introduction. In J. A. Skelton & R. T. Croyle (Eds.), *Mental representation in health and illness* (pp. 1-9). New York: Springer-Verlag.
- Croyle, R. T., & Jemmott, J. B. (1991). Psychological reactions to risk factor testing. In J. A. Skelton & R. T. Croyle (Eds.), *Mental representation in health and illness* (pp. 85-107). New York: Springer-Verlag.
- Croyle, R. T., & Williams, K. D. (1991). Reactions to medical diagnosis: The role of illness stereotypes. *Basic and Applied Social Psychology*, 12, 227-241.



- Thompson, B., Bowen, D. J., Croyle, R. T., Hopp, H. P., & Fries, E. (1991). Maximizing worksite survey response rates through community organization strategies and multiple contacts. *American Journal of Health Promotion*, 6, 130-136.
- Croyle, R. T. (1992). Appraisal of health threats: Cognition, motivation, and social comparison. *Cognitive Therapy and Research*, 16, 165-182.
- Croyle, R. T., & Loftus, E. F. (1992). Improving episodic memory performance of survey respondents. In J. M. Tanur (Ed.), *Questions about questions: Inquiries into the cognitive bases of surveys* (pp. 95-101). New York: Russell Sage.
- Croyle, R. T., & Barger S. D. (1993). Illness cognition. In S. Maes, H. Leventhal, & M. Johnston (Eds.), *International Review of Health Psychology* (Vol. 2, pp. 29-49), Chichester: John Wiley & Sons.
- Fries, E., & Croyle, R. T. (1993). Stereotypes associated with a low-fat diet and their relevance to nutrition education. *Journal of the American Dietetic Association*, 93, 551-555.
- Croyle, R. T., & Lerman, C. (1993). Interest in genetic testing for colon cancer susceptibility: Cognitive and emotional correlates. *Preventive Medicine*, 22, 284-292.
- Croyle, R. T., Loftus, E. F., Klinger, M. R., & Smith, K. D. (1993). Reducing errors in health related memory: Progress and prospects. In J. R. Schement & B. D. Ruben (Eds.), *Between communication and information: Information and behavior Vol. 4*. Piscataway, NJ: Transaction.
- Croyle, R. T., Sun, Y., & Louie, D. (1993). Psychological minimization of cholesterol test results: Moderators of appraisal in college students and community residents. *Health Psychology*, 12, 503-507.
- Croyle, R. T., & Loftus, E. F. (1993). Recollection in the kingdom of AIDS. In D. G. Ostrow & R. Kessler (Eds.), *Methodological in AIDS Behavioral Research* (pp.163-180). New York: Plenum.
- Williams, K. D., Bourgeois, M. J., & Croyle, R. T. (1993). The effects of stealing thunder in criminal and civil trials. *Law and Human Behavior*, 17, 597-609.
- Croyle, R. T., & Loftus, E. F. (1994). Psychology and law. In A. M. Colman (Ed.), *Companion encyclopedia of psychology* (pp. 58-75). London: Routledge. Reprinted in A. M. Colman (Ed.) (1995). *Controversies in psychology*. Harlow: Longman Higher Education.
- Lerman, C., & Croyle, R. T. (1994). Psychological issues in genetic testing for breast cancer susceptibility. *Archives of Internal Medicine*, 154, 609-616.
- Lerman, C., Audrain, J., & Croyle, R. T. (1994). DNA testing for heritable breast cancer risks: Lessons from traditional genetic counseling. *Annals of Behavioral Medicine*, 16, 327-333.
- Lerman, C., & Croyle, R. T. (1995). Genetic testing for cancer predisposition: Behavioral science issues. *Journal of the National Cancer Institute Monographs*, 17, 63-66.
- Croyle, R. T., & Lerman, C. (1995). Psychological impact of genetic testing. In R. T. Croyle (Ed.), *Psychosocial effects of screening for disease prevention and detection* (pp. 11-38). New York: Oxford University Press.

- Ditto, P. H., & Croyle, R. T. (1995). Understanding the impact of risk factor test results: Insights from a basic research program. In R. T. Croyle (Ed.), *Psychosocial effects of screening for disease, prevention and detection* (pp. 144-181). New York: Oxford University Press.
- Smith, K. R., & Croyle, R. T. (1995) Attitudes toward genetic testing for colon cancer risk. *American Journal of Public Health*, 85, 1435-1438.
- Sun, Y., & Croyle, R. T. (1995) Level of health threat as a moderator of social comparison preferences. *Journal of Applied Social Psychology*, 25, 1937-1952.
- Thompson, B., Fries, E., Hopp, H. P., Bowen, D. J., & Croyle, R. T. (1995). The feasibility of a proactive stepped care model for worksite smoking cessation. *Health Education Research*, 10, 455-465.
- Croyle, R. T., Dutson, D. S., Tran, V. T., & Sun, Y. (1995). Need for certainty and interest in genetic testing. *Women's Health: Research on Gender, Behavior, and Policy*, 1, 329-339.
- Lerman, C., & Croyle, R. T. (1996). Emotional and behavioral responses to genetic testing for susceptibility to cancer. *Oncology*, 19, 191-199.
- Botkin, J. R., Croyle, R. T., Smith, K. R., Baty, B., Lerman, C., Goldgar, D., Ward, J., Flick, B., & Nash, J. (1996). A model protocol for evaluating the behavioral and psychological effects of BRCA1 testing. *Journal of the National Cancer Institute*, 88, 872-882.
- Croyle, R. T., Smith, K. R., Botkin, J. R., Baty, B., & Nash, J. (1997). Psychological responses to BRCA1 mutation testing: Preliminary findings. *Health Psychology*, 16, 63-72.
- Croyle, R. T., Sun, Y., & Hart, M. (1997). Processing risk factor information: Defensive biases in health-related judgments and memory. In K. Petrie & J. Weinman (Eds.), *Perceptions of health and illness: Current research and applications* (pp. 267-290). London: Harwood Academic Publishers.
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- Croyle, R. T., Achilles, J. S., & Lerman, C. (1997). Psychologic aspects of cancer genetic testing: A research update for clinicians. *Cancer* (supplement), 80, 569-575.
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- Marteau, T. M., & Croyle, R. T. (1998). The New Genetics: Psychological responses to genetic testing. *British Medical Journal*, 316, 693-696.
- Hamann, H., & Croyle, R. T. (1998). Genetic disorders. In *Comprehensive Clinical Psychology* (8: Health Psychology, pp. 409-426). New York: Elsevier Science.
- Croyle, R. T. (1998). Depression as a risk factor for cancer: Renewing a debate on the psychobiology of disease. *Journal of the National Cancer Institute*, 90, 1856-1857.

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- Kinney, A.Y., Croyle, R. T., Dudley, W.N., Bailey, C.A., Pelias, M.K., & Neuhausen, S.L. (2001). Knowledge, attitudes, and interest in breast-ovarian cancer gene testing: A survey of a large African-American kindred with a BRCA1 mutation. *Preventive Medicine*, 33,543-551.
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## ***Grant Reviewing***

Robert Wood Johnson Foundation Health and Society Scholarship Program, National Advisory Committee

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