

ANN BARRY FLOOD, Ph.D.

Professor Emerita

- Radiology;
- Dartmouth Institute for Health Policy & Clinical Practice
- Community & Family Medicine

email: Ann.Barry.Flood@Dartmouth.edu

ORCID: [0000-0002-4035-3084](https://orcid.org/0000-0002-4035-3084)

NCBI: <https://www.ncbi.nlm.nih.gov/myncbi/ann.flood.1/cv/477970/>

Home:

278 River Road

Lyme, NH 03768

Phone: (603) 795-4919

Cell: (603) 359-8539

PERSONAL:

Married: Harold M. Swartz, M.D., Ph.D., M.S.P.H.

EDUCATION:

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| 1977–1979 | NIMH Post Doctorate Fellowship, Research Training Program in Organizations and Mental Health, Stanford University |
| 1977 | Ph.D., Sociology, Stanford University, Stanford, CA |
| 1968 | M.A., Sociology, Stanford University, Stanford, CA |
| 1965 | B.A., Mathematics and Sociology, University of Kansas, Lawrence, Kansas, with Highest Distinction and with honors in Sociology |

HONORS AND FELLOWSHIPS:

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| 2021 | Keith G. Provan Distinguished Scholar Award for 2021, presented July 30, 2021 by the Academy of Management/Health Care Management Division. |
| 1997 | Eliot Freidson Award, presented Aug 11, by the American Sociological Association, Medical Sociology Section, for “Best Paper in Medical Sociology” (for Flood, AB and Fennell, ML. “Through the Lenses of Organizational Sociology: The Role of Organizational Theory and Research in Conceptualizing and Examining Our Health Care System”. <i>J of Health and Social Behavior</i> , 36:154-69, 1995.) |
| 1996- | Association for Health Services Research Fellow |
| 1994 | Winner of Henry Christian Award in Health Services/Epidemiology at National Conference of the American Federation of Clinical Research, Baltimore, MD, April 30, 1994. Lu-Yao, Grace L.; Flood, Ann Barry; Chang, Chiang-Hua. “Social factors in diagnosis and treatment of prostate cancer.” |
| 1992 | Listed in <i>Who’s Who of American Women</i> |
| 1988–1989 | Robert Wood Johnson Health Policy Fellow, administered by the Institute of Medicine, National Academy of Sciences |

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| 1989 | Visiting Scholar, Department of Community Medicine and General Practice, University of Oxford, Oxford, England |
| 1988 | <i>Hospital Structure and Performance</i> , by A. B. Flood and W. R. Scott and Associates, was selected as an Outstanding Academic Book of 1987 by Choice, the book review journal for Acquisition Librarians |
| 1986–1988 | Faculty Fellowship, Institute of Government and Public Affairs, Univ. Illinois at Urbana |
| 1986 | Visiting Professor, Lanzhou Medical School, China |
| 1977–1979 | See Postdoctoral Fellowship above |
| 1965–1968 | NIMH Fellowship, Stanford University |
| 1965 | B.A. received with Highest Distinction, Honors in Sociology |
| 1965 | Phi Beta Kappa, University of Kansas |
| 1965 | Alpha Kappa Delta, honorary fraternity for sociology |
| 1965 | Pi Mu Epsilon, honorary fraternity for mathematics |
| 1962–1965 | Watkins Scholar, University of Kansas |
| 1962 | Topeka Teachers' Association Scholarship, University of Kansas |

POSITIONS:

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| 2010-2018 | Associate Director, Human Factors and Clinical Studies, Electron Paramagnetic Resonance (EPR) Center for the Study of Viable Systems at Dartmouth (Geisel School of Medicine) |
| 2010-2016 | Co-Associate Director of the Dartmouth Biodosimetry Center for Medical Countermeasures Against Radiation (Dart-Dose CMCR) and Dartmouth EPR Center; Director of Pilot Project Core at Dart-Dose CMCR |
| 2005-2018 | Member, EPR Center for the Study of Viable Systems at Dartmouth (EPR Center), Geisel School of Medicine at Dartmouth |
| 1996-present | Professor of Radiology (since 2009); Community and Family Medicine; and The Dartmouth Institute for Health Policy and Clinical Practice [TDI, formerly CECS]; Geisel School of Medicine at Dartmouth, Dartmouth College, Hanover, NH (Emerita, 2010-present) |
| 2001-2010 | Adjunct Professor, Dept. of Sociology, Dartmouth College, Hanover NH |
| 2002-2011 | Co-Editor-in-Chief, <i>Health Services Research (HSR)</i> [2011-present: Emeritus Editor-in-Chief] |
| 2007-present | President, Clin-EPR, LLC ¹ |
| 1991–2007 | Director, Health Policy Studies Program, CECS at Dartmouth, |
| 1994-2009 | Chair, Doctoral Program and NRSA Postdoctoral Program, TDI/CECS |
| 1994-2009 | Co-Director, Predoctoral and Postdoctoral Training Grant from Agency for Healthcare Research and Quality (AHRQ) |

¹ Clin-EPR is in the business of building and selling EPR instruments designed for in vivo clinical applications (oximetry and dosimetry) for investigational use only at present. These cloned instruments are based on state-of-the-art designs initially developed by the EPR Center at Dartmouth. As such there is a potential for conflict of interest in presentations and publications involving EPR oximetry and dosimetry. Other research interests are unrelated to Clin-EPR, LLC.

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| 2001-2003 | Consultant, Prostate Disease Education. Centers for Disease Control |
| 1996-2000 | Professor, Office of Education. White River Junction [WRJ] Veteran Affairs Medical Center, White River Junction, VT |
| 1995-1996 | Head, Health Services Research and Technology Assessment Developmental Program, Norris Cotton Cancer Center, Dartmouth-Hitchcock Medical Center, Hanover, NH |
| 1991-1996 | Associate Professor, Dept. of Community & Family Medicine, Center for the Evaluative Clinical Sciences (CECS) at Dartmouth, Hanover, NH |
| 1994-1996 | Associate Professor, Office of Education and Scientific Advisor, DIAL, WRJ Veteran Affairs Medical Center, White River Junction, VT |
| 1987-1991 | Associate Professor, University of Illinois at Urbana-Champaign. Appointments in Institute of Government and Public Affairs, Medical Humanities and Social Sciences Program (College of Medicine), and the departments of Community Health, Sociology, and Surgery. |
| 1985-1991 | Research Assoc. in Oncology, Carle Foundation Hospital, Urbana, IL |
| 1989 | Professional Health Staff Member, U.S. Senate Finance Committee, Minority Staff (as a Robert Wood Johnson Health Policy Fellow). |
| 1989 | Visiting Scholar, University of Oxford, Department of Public Health and Primary Care and Primary Care, Oxford, U.K. |
| 1980-1987 | Assistant Professor, University of Illinois at Urbana-Champaign. |
| 1978-79 | Research Associate in Social Sciences, Division of Clinical Pharmacology, Stanford University Medical School. Research on the effectiveness and acceptance of the MEDIPHOR system (<u>M</u> onitoring and <u>E</u> valuation of <u>D</u> rug Interactions by a <u>P</u> harmacy <u>O</u> riented <u>R</u> eporting System) for monitoring hospitalized patients for receipt of possibly interacting drug combinations. |
| 1979 | Consultant for a technology assessment case study of elective hysterectomy at the Department of Family, Community, and Preventive Medicine, Stanford University Medical School. Sponsored by Office of Technology Assessment of the Congress of the United States (summer). |
| 1977 | Research Associate, Stanford Center for Health Care Research, Stanford University Medical School, Stanford, CA. Research on organizational and community determinants of differences in the cost, quality of outcomes, and services measured by specific medical services received and duration of stay for hospitalized patients. |
| 1972-1976 | Research Assistant, Stanford Center for Health Care Research, Stanford University Medical School, Stanford, CA. |
| PATENTS: | “Implantable resonator system for deep-tissue EPR oximetry with implantable resonator system for deep-tissue EPR oximetry with reduced noise” Swartz, Flood, Schreiber 13 September 2022 U.S. Patent No. 11,439,316. |

TEACHING:

- 1978-2010 Health Policy, Healthcare Decision-Making, Doctoral Seminars, [Research Ethics and Professional Skills, Workshop on Critical Appraisal and Research Design], Health Care Organizations and Delivery Systems; Scientific Controversy: When Experts Disagree (Dartmouth College); Medicine and Society; Second Year Sociomedicine for medical students; Medical Sociology; Social Issues in Health Care; Cancer and Sexuality. To: undergraduate students at Stanford University and University of Illinois at Urbana; to graduate students at the University of Illinois at Urbana and Dartmouth College; to medical students at Stanford University, University of Illinois at Urbana, and Geisel School of Medicine at Dartmouth; to residents at University of Illinois at Urbana.
- 1982-2010 Students for whom I was Director of Dissertation Research and Primary Research Director are listed separately. Request if interested.

REVIEWER/EDITORIAL BOARD (During period 1980–present):

JOURNALS

Editor (Co-Editor-In-Chief with Harold S. Luft 2002-6 and José Escarce 2006-2011), Health Services Research (2002-2011); Emeritus (2011-present)

Deputy Editor, Journal of Health and Social Behavior (2000-2002)

Guest Associate Editor, Special Issue, EPR BioDose; Radiation Protection Dosimetry (2017 and 2022)

Guest Editor (lead), Special Issue on the Occasion of Harold Swartz' 85th Birthday, Applied Magnetic Resonance, (2020-2021)

Guest Associate Editor, Special Issue, BioDose, Radiation Protection Dosimetry (2022)

Editorial Board, Health Services Research 2002-present

Editorial Board, Journal of Health and Social Behavior (1989–1992)

Editorial Board, Medical Care Research and Review (1996-2002)

Editorial Board, Medical Care Review (1988–1991) Reviewer for the above and:

Administrative Science Quarterly

American Journal of Public Health

American Sociological Review

Health Expectations

Journal of American Medical Association

Journal of Health, Politics, Policy, and Law

Journal of General Internal Medicine

Journal of Risk Decision and Policy

Medical Care
Quarterly Review of Economics and Business
Social Forces
Social Psychology Journal
Social Science and Medicine
Sociological Quarterly

EXTERNAL GRANTS/REPORTS

Agency for Healthcare Research, and Quality DHHS (also member of two
Review Subcommittees: see national committees)
Extramural Research Programs, Health Services and Promotion Branch,
Department of National Health and Welfare, Canada
Health Care Financing Administration, Office of Research and Demonstrations
Hospital Research and Educational Trust/American Hospital Association
Illinois Cancer Council
Joint Commission on Accreditation of Healthcare Organizations
National Institute for Drug Abuse (study section), NIH
National Institute for Mental Health (study section), NIH
Nursing and Related Clinical Sciences Study Section, NIH
Office of Technology Assessment, US Congress
Robert Wood Johnson Foundation
Israel Cancer Research Fund

PROFESSIONAL AFFILIATIONS (CURRENT):

American Sociological Association (ASA)
AcademyHealth
Academy of Management
Radiation Research Society (RRS)
International Society on Oxygen Transport to Tissue (ISOTT)
International Association of Biological and EPR Radiation Dosimetry (IABERD)

**EXTERNAL PROFESSIONAL COMMITTEES, TASK FORCES , AND
BOARDS OF TRUSTEES:**

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| 2015-2016 | Co-Editor, Special Issue on EPR Biodose, Radiation Protection Dosimetry |
| 2014-2017 | Member, Executive Council, ISOTT |
| 2014-2015 | Member, Scientific and Organizing Committee, EPR Biodose Meeting 2015 |
| 2012-2013 | Member, Scientific Committee, EPR Biodose 2013 International Conference, March 24-28, 2013, Leiden, The Netherlands. |
| 2011-2015 | Member, Advisory Board; Postdoctoral Training Program for Quantitative Population Sciences in Cancer, Geisel School of Medicine at Dartmouth |

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| 2009-2013 | Member, Advisory Board Creighton Research Infrastructure Program to Achieve Sustainability Project. Kimberly Galt, PI. CHRP Creighton University, Omaha, NE |
| 2007-2009 | Member, Planning Conference for the continuing the development of HSR Competencies, Orlando FL and Washington DC |
| 2007-2008 | Member, External Advisory Committee, Surgical and Minimally Invasive Therapeutic Procedures: Devising Incentives to Improve the Evidence Base. Workshop April 16-18 2008. Washington DC |
| 2001-2008 | Member, Institutional Ethics Assessment Task Force, National Center for Ethics, Veterans Administration. |
| 2000-2002 | Chair, Health Policy and Research Committee, Medical Sociology Section, American Sociological Association |
| 2000-2005 | Member, Study Panel on Medicare and Markets, National Academy of Social Insurance, Washington, DC |
| 1999-2001 | Member, Scientific Advisory Committee for Health Evidence Application and Linkage Network (HEALNET), The Canadian Federal Level Centers of Excellence Program, Co-Sponsored by the Medical Research Council of Canada |
| 1996-1997 | Member, International Review Panel for Medical Research Council of Canada |
| 2000-2003 | Member, Board of Trustees, Hitchcock Foundation, Lebanon, NH; Chair, Planning and Policy Committee |
| 1994-1998 | Member, Health Services Research Dissemination Study Section of the Agency for Health Care Policy and Research, Department of HHS |
| 1992-1997 | Member, National Advisory Committee, Robert Wood Johnson Foundation Scholars in Health Policy Research Program, Princeton, NJ |
| 1994-1996 | Member, Standing Committee on Science and Research, Medical Research Council of Canada, Ottawa, Canada |
| 1994-1996 | Member, National Pharmacy and Therapeutics Committee, WellPoint Pharmacy Management, Subsidiary of Blue Cross of California, Calabasas Hills, CA |
| 1992-1994 | Member, Committee on the Legal and Ethical Issues Relating to the Inclusion of Women in Clinical Studies, Institute of Medicine, Washington, DC |
| 1992-1994 | Member, Board of Trustees, Hospital Research and Educational Trust, Chicago, IL |
| 1993 | Member, Special study review to evaluate Rural Health Research Centers for the Agency for Health Care Policy and Research |
| 1992 | Consultant, Blue Cross Blue Shield Association, Chicago |
| 1990-1994 | Member, Robert Wood Johnson Foundation Task Force on Strengthening Nursing Services in Hospitals, Evaluation Oversight |
| 1989-1991 | Member, Task Force for Medical Decision Making, Joint Commission on Accreditation of Healthcare Organizations |

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| 1989–1990 | Member, Committee on the Study of Centers of Excellence, Department of Community and Family Practice, School of Medicine, Georgetown University |
| 1985–1989 | Member, Health Services Research Review Subcommittee of the National Center for Health Services Research and Health Care Technology Assessment, (now called Agency for Health Care Policy and Research), Department of Health and Human Services (DHHS) |
| 1987–1988 | Member, Blue Cross and Blue Shield Association’s Clinical Outcomes Assessment Panel, Chicago |
| 1987–1988 | Member, Women’s Studies Advisory Committee, University of Illinois |

Dartmouth College-wide Committee Memberships

Member, Faculty Council (&Steering Committee 2016-2017), Geisel School of Medicine 2016-pres; Chair, Subcommittee on Faculty Survey 2016-17; Member, Subcommittee on Incentives

Member, Norris Cotton Cancer Center Grant Review Committee, 2014-2018

Member, Faculty Council of Rockefeller Center 2000-2003

Member, Council on Benefits at the College *and* Subcommittee on Health Benefits 20012008

Member, Workgroup on Planning a Health Institute at the College 2002

Member, Search Committee for Head of Psychiatry 2002

EXTERNAL PROFESSIONAL ACTIVITIES (1992–PRESENT)

(Professional talks with published abstracts are listed with publications)

Invited Workshop Presenter. “Organizational Issues in Quality Assurance.” AHCPR Conference on Quality Assurance.” Charleston, NC. March 1–3, 1992.

Invited Speaker. Faculty Workshop Series. “Organizational Factors, Practice Patterns, and Resource Use in a Large Group Practice.” Center for Health Administration Studies, University of Chicago. March 5, 1992.

Organizer. Robert Wood Johnson Health Policy Fellow Session on Health Manpower. Annual meeting of RWJ Health Policy Fellows, held in conjunction with annual meetings of Institute of Medicine, Washington, DC. October 20, 1992.

Invited Speaker. “Financial Incentives and Styles of Practice in a Large Group Practice.” Seminar Series, Center for Quality of Care Research and Education, Harvard School of Public Health. November 17, 1992

Invited Speaker. “Physician responses to managed care in a large group practice with both fee-for-service and HMO patients.” Interdisciplinary Research Seminar, White River Junction VT Veterans Administration Medical Center, March 12, 1993.

Speaker and Discussant. "Overview of the past, gaps, and future of organizational theory's contribution to medical sociology." Medical sociology section, Annual meetings of the American Sociological Association, Miami, FL, Aug. 13-17, 1993

Keynote Speaker. "Talking Together." American Cancer Society Chapter Conference: "Cancer—Facing the Challenge Together." Champaign, IL. Sept. 11, 1993.

Invited Speaker. "Including Women in Clinical Studies: Implications for Federal Policy." Seminar series of the Medical Humanities and Social Sciences Program, College of Medicine, University of Illinois, Urbana, IL. Sept. 13, 1993.

Invited Speaker. "Sociological Perspectives on Health Care Reform." Bangor Theological Seminar Series. Hanover, NH. March 9, 1994.

Invited Speaker. "Major Directions of Change in U.S. Health Policy." Meiji College of Pharmacy. Tokyo, Japan. June 7, 1994.

Invited Speaker. "Current Debates in U.S. Health Services Policy and Research." Yonsei University College of Medicine. Seoul, Korea, June 22, 1994.

Invited Speaker. "Organizational Analysis in Health Care." Dept. of Health Care Policy, Harvard Medical School. Boston, MA. May 5, 1995 (and guest lecturer for class taught by Paul Cleary).

Invited Speaker. "Theoretical and Organizational Issues regarding Referral Patterns between Generalists and Subspecialists." AHCPR Planning Conference on Primary Care. Washington, D.C. Sept. 14-15, 1995.

Invited Speaker. "Methodological Issues in Studying Professional Organizations." International Conference: Scientific Basis of Health Services. London, England. Oct. 2-4, 1995.

Invited Speaker. "Enhancing Shared Decision Making through Videotapes: The PSA Decision." New-Hampshire-Dartmouth Psychiatric Research Center. February 9, 1996.

Invited Speaker. "Methodological Issues In The Study Of Primary Care Delivery To Older Adults." The Agency for Health Care Policy and Research and the National Institute on Aging (sponsors), Conference on Aging and Primary Care: Organizational Issues in the Delivery of Health Care to Older Americans. Washington, D.C. March 4-5, 1996.

Discussant. "Health Care Policy." Eastern Sociological Society Annual Meeting. Boston MA. March 28-31, 1996.

Invited Speaker. "Managed Care: What is it and how does it affect patient care?" Grand Rounds. Radiology Department, Geisel School of Medicine at Dartmouth. Hanover, NH. April 26, 1996.

Invited Speaker. "Methodological and Organizational Issues." Agency for Health Care Policy and

Research (AHCPR) and the National Institute of Nursing Research (NINR) (sponsors), Conference on Outcome Measures and Care Delivery Systems conference. Georgetown University Conference Center. Washington, D.C. June 20-22, 1996.

Session Organizer and Presider. Medical Sociology Regular Paper Session. American Sociological Association, 1996 Annual Meeting. New York, NY. Aug. 16-20, 1996.

Invited Speaker. "How Do HMOs Achieve Their Savings? An Organizational Look at an Old and Enduring Question." Health Policy Workshop. Yale University, New Haven, CT. October 14, 1996.

Invited Speaker. "Testing What Makes Managed Care Effective: Is it Changing Doctors' Styles or Whom the Patient Sees?" Fourth Annual Managed Care to Managed Health Conference: Measures that Matter: Using Internal vs. External Performance Data to Improve Health Care Delivery. Minneapolis Minnesota, October 23-25, 1997.

Fremont, Allen M.; Flood, Ann Barry; Goodrick, Elizabeth; Bott, David M. "The Impact of Organizational Setting on Outpatient Practice Styles". Paper and Presentation at the Annual Meetings of Eastern Sociological Society, April 10-13, 1997. Baltimore, MD.

Bott, David M., Flood, Ann Barry. "Physician Practice Patterns Within Primary Care: A Case Study." Poster. Ann. meetings of the AHCPR NRSA Trainees. Chicago, IL June 13-14, 1997.

Invited Workshop Faculty. Workshop Title: "Developing and Evaluating Patient Decision Aids to Promote Shared Decision Making: Lessons from Some Veterans". Annual meetings of the International Society of Technology Assessment in Health Care. Ottawa, Ontario, Canada. June 7-10, 1998.

Invited Speaker. "Integrating Change in Health Care Communications" Joint Annual Meeting of the BioCommunication Association and Health Sciences Communications Association. Portland, ME. June 13, 1998.

Invited Speaker. Health Forum. Title: "Health Care Payment Policy: Intended and Unintended Consequences". Sponsored by Health Care Excel, Incorporated. The Convention Center Indianapolis, Indiana, August 6, 1998.

Invited Speaker. Faculty Development Seminar. Dept. of Family & Community Medicine, School of Medicine, University of Missouri-Columbia. Title: "Does Practice Make Perfect or Does Perfect Make Practice?—A Review of the Evidence That Greater Volume of Cases Predicts Better Outcomes for Patients". Columbia, MO. Sept. 29, 1999.

Consultant and Speaker. Advisory Committee to Missouri Department of Health on public information regarding volume experience of Missouri hospitals and surgeons. Columbia, MO. Sept. 30, 1999.

Invited Speaker. Faculty Seminar. School of Health Sciences. Griffith University. Title: "Shared Decision Making in Complex Choices: The Case of the Decision to Screen for Prostate Cancer." Gold Coast, Australia. October 13, 1999.

Invited consultant. Department of Clinical Epidemiology. Hangzhou Medical School. Zhejiang University. Nov. 4, 1999. Hangzhou, P.R. China.

Invited Speaker, Institute of Government and Public Affairs and Medical Humanities and Social Sciences, University of Illinois at Urbana, "How Much Care Do Patients Get? The Impact of Financial Incentives and Organizational Strategies" March 30, 2000.

Invited Speaker, Sociology Department, Dartmouth College, "Managing Managed Care: How Organizational Strategies Influence the Care Patients Get", May 18, 2000.

Session Organizer and Presider. Medical Sociology Session on Macro Structures and Health Care Delivery. American Sociological Association, Annual Meeting. Washington DC. Aug. 12-19, 2000.

Reporter. Center for Disease Control Workshop: Future Directions for Public Health Practice and Research in Prostate Cancer, December 6-8, 2000, San Diego, CA.

Management/Organization Theme Leader and Session Presider. 2001 Annual Meeting of the Academy for Health Services Research and Health Policy, Atlanta, GA June 10-14, 2001.

Session Presider and Discussant. Medical Sociology Session. American Sociological Association, Annual Meeting. Aug., 2001.

Partin MR, Wilt TJ, Nelson D, Radosevich D, Nugent S, Flood A, Dillon N, Holtzman J, Haas M. "Evaluation of two interventions designed to educate men about the risks and benefits of prostate cancer screening". Oral presentation given at the Sixth Annual Minnesota Health Services Research Conference, February 26, 2002, Minneapolis MN.

Partin MR, Wilt T, Nelson D, Radosevich D, Nugent S, Flood A, Dillon N, Holtzman J, Haas M. "Evaluation of two interventions designed to educate men about the risks and benefits of prostate cancer screening". Poster presented at the Minneapolis VAMC Research Day program, June 28, 2002, Minneapolis MN.

Session Organizer and Presider. Medical Sociology Session on Social Policy and Population Health. American Sociological Association, Annual Meeting. Chicago, IL. Aug. 16-20, 2002.

Presenter. "Screening for Prostate Cancer: Sharing the Decision." National Association of Community Health Centers, Annual Meeting. New Orleans, LA. September 14-17, 2002.

Plenary Speaker. Lowell Lecture Series on Gender, Health and Behavior: The Interplay of Risk, Choice and Social Policy. Talk: "Controversies in Women's Health: Assessing Risk and Making Choices". Simmons College, Boston, MA. November 13, 2002.

Invited Speaker. Research Agenda for 2003. National Health Policy Conference. Washington DC January 22-23, 2003.

Partin MR, Wilt TJ, Nelson D, Radosевич D, Nugent S, Flood A, Dillon N, Holtzman J, Haas M. "Facilitating Informed Decision Making about Prostate Cancer Screening: Evaluation of two approaches". Oral presentation given at the 21st Annual VA Health Services Research Meeting, February 13 2003, Washington DC.

Partin MR, D Nelson, D Radosевич, S Nugent, A Flood, N Dillon, J Holtzman, M Haas, S Borowsky, Wilt T. Effect of Prostate Cancer Screening Decision Aids on Decision Making Process Outcomes: Results from a Randomized Trial. Seventh Annual Minnesota Health Services Research Conference, Minneapolis MN March 4, 2003.

Invited Speaker. Meet the Editors Session. Annual meetings of AcademyHealth. Nashville, TN June 27-29, 2003.

Invited Speaker. Reforming Health Policy: The Case of Medicare Reform in Congress—past and present. Women's Network of the Upper Valley. Hanover, NH November 11, 2003.

Invited Speaker. Why Organizations Matter: Using Organization Theory to Understand a Clinic's Attempts to Manage Managed Care. Schneider Institute for Health Policy, The Heller School, Brandeis University. Boston, MA. Dec. 17, 2003.

Panel Presenter, Training Health Services Researchers for the 21st Century. AcademyHealth Annual Research Meetings, June 4, 2007. Orlando FL.

Panel Presenter. Meet the Editors: Publishing instead of Perishing. AcademyHealth Annual Research Meetings. June 3, 2007, Orlando FL.

Zubkoff L, **Flood AB**. Predicting Employees Who Switch Health Plans: Do Ratings of Plans and Providers Matter? Poster presentation at Annual Research Meetings of AcademyHealth. Orlando, FL, June 3-5, 2007.

Presenter. Incentives to Improve the Evidence Base of Surgical Procedures. Workshop: Surgical and Minimally Invasive Therapeutic Procedures: Devising Incentives to Improve the Evidence Base, April 16-18, 2008, Washington DC.

Chair and Organizer. Meet the Editors. AcademyHealth Annual Research Meetings. June 8, 2008. Washington, D.C.

Presenter. 'Using Health Services Research to Inform US Health Policy'. Shujitsu University Pharmacy School, sponsored by Shujitsu University and Shujitsu Pharmacy School International Committee. Okayama, Japan, August 8, 2008.

Presenter. Ann Barry Flood, Harold M. Swartz, Roberto Javier Nicolalde. 'Policy Considerations in Approving and Implementing EPR Dosimetry to Manage Radiation Exposure to a Large

Population'. ICRB 2008: International Conference on Radiation Biology & Translational Research in Radiation Oncology. Jaipur, India, November 10-12, 2008.

Presenter. "Using Health Services Research to Inform US Health Policy". International Conference on Emerging Challenges in Science and Technology (ICECST). United Institute of Technology, Allahabad, India, November 13-14, 2008.

Nicolalde RJ, Gougelet RM, **Flood AB**, Blike GT, Rea M, Dong R, Kmiec M, Williams B, and Swartz HS. Breaking the Translational Gap in the Development of Emergency Response Technologies. Poster presented at the AHRQ NRSA Annual Trainee Meetings June 27, 2009. Chicago IL. And also presented at AcademyHealth Annual Research Meetings June 28-30, 2009, Chicago IL.

Rosenberg M-C, **Flood AB**. Magnet Hospitals and Patient Outcomes. Poster presented at AcademyHealth Annual Research Meetings June 28-30, 2009, Chicago IL.

Rosenberg MC, **Flood AB**. Magnet Hospitals and Nursing Sensitive Patient Outcomes. Podium presentation at Magnet: Inspiring Innovation, Achieving Outcomes 2009 ANCC National Magnet Conference, October 1-3, 2009 Louisville, Kentucky.

Rosenberg MC, **Flood AB**. Do Magnet Recognized Hospitals Provide Better Care?" Podium presentation at 22nd annual meetings of the Eastern Nursing Research Society, Providence, RI. March 24-26, 2010.

Flood, AB and Nicolalde RJ. "Incorporation of EPR Dosimetry into the Emergency Response System." Podium presentation at Joint Conference of the 14th In Vivo EPR Spectroscopy & Imaging and the 11th International EPR Spin Trapping/Spin Labeling, San Juan, Puerto Rico, May 2-6, 2010.

Flood, AB. Organizer of Panel How Not to Publish or Perish: Meet the Editors. Held at the Annual Research Meeting of AcademyHealth, Boston, MA June 27-29, 2010.

Nicolalde RJ, **Flood AB**, Gougelet RM, Blike GT, Swartz, HM. A Conceptual Framework to Evaluate the Cost-Effectiveness of Alternatives to Triage Mass Casualties after a Catastrophic Nuclear Event. Poster presentation. Annual Research Meeting of AcademyHealth, Boston, MA June 27-29, 2010.

Flood, AB. Presentation. "Policy Aspects of Shared Decision Making." Dartmouth's 2010 Summer Institute on Informed Patient Choice (SIIPC 2010). Hanover, NH. June 29-July 7, 2010.

Flood, AB and Swartz HM "EPR Dosimetry for Response to a Large-scale Radiation Incident: An Overview of the Work of Dartmouth's New Center." Presentation at VIII International Workshop on EPR (ESR) in Biology and Medicine October 2 – October 8, 2010, Krakow, Poland.

Swartz HM, **Flood AB**, Lesniewski P, Williams BB. EPR Dosimetry Comes of Age: An Overview. Presentation at VIII International Workshop on EPR (ESR) in Biology and Medicine October 2 – October 8, 2010, Krakow, Poland.

Flood, AB, Nicolalde RJ, Demidenko E, Williams BB, Shapiro A, Wiley, Jr. AL, Swartz HM. Evaluating the Evidence Base for Current Guidelines to Triage a Large Population Following a Nuclear Event. Podium presentation at EPR Biodose 2010 (combined meetings of the International Symposium on EPR dosimetry and Dating and the International Conference on Biological Dosimetry), Mandelieu-La-Napoule, France. October 10-14, 2010

Nicolalde RJ, Blike GT, Dong R, **Flood AB**, Gougelet RM, Grinberg O, Kmiec MM, Matthews TP, Lesniewski PN, Rea ME, Raynolds T, Williams BB, Swartz, HM. EPR Dosimetry for Triaging Mass Casualties After Catastrophic Nuclear Events: Three Simulation Exercises. Poster presentation at EPR Biodose 2010 (combined meetings of the International Symposium on EPR dosimetry and Dating and the International Conference on Biological Dosimetry), Mandelieu-La-Napoule, France. October 10-14, 2010.

Swartz, HM, **Flood AB**, Williams BB. Overview of Biodosimetry for Managing Unplanned Clinically Significant Exposures to Ionizing Radiation: Update. Podium presentation at EPR Biodose 2010 (combined meetings of the International Symposium on EPR dosimetry and Dating and the International Conference on Biological Dosimetry), Mandelieu-La-Napoule, France. October 10-14, 2010.

Flood AB, Swartz HS, Williams BB. Podium Presentation. NIAID-sponsored session at the International Conference on Radiation Biology: Nanotechnology, Imaging & Stem Cell Research in Radiation Oncology. Chennai, India, November 15-17, 2010.

Harold M. Swartz, Benjamin B. Williams, **Ann B. Flood**. Symposium Overview of biodosimetry and the niches in which it is utilized. Annual meeting of Radiation Research Society, Sept 25-29, 2010, Maui, Hawaii.

Flood AB. Reconsidering “Scholarship Reconsidered”: Health Services Research and Academic Medicine. Invited Presentation. Annual Meetings of Association of American Medical Colleges. Nov. 5-7, 2010, Washington DC.

Flood AB, Demidenko E, Nicolalde RJ, Shapiro A, Wiley A, Williams B, Zubkoff L, Swartz HM. Evaluating the Evidence for Current Guidelines to Triage a Large Population Following a Major Radiation Event. Presentation at Annual meeting of Nuclear Medical Defense Conference. May 16-17, 2011. Munich Germany.

Swartz HM, **Ann Barry Flood**, Benjamin B. Williams, Alla Shapiro, Albert L. Wiley, Jr. Overview of Methods for Establishing Dose to Individuals for Managing Unplanned Clinically Significant Exposures to Ionizing Radiation. Presentation at 5th International RE/ACTS Symposium. Miami FL Sept 27-29, 2011.

Williams BB, Ruhong Dong, Roberto J. Nicolalde, Xiaoming He, Dean Wilcox, Steve Swarts, David J. Gladstone, Eugene Demidenko, Piotr Lesniewski, **Ann Barry Flood**, Harold M. Swartz.

EPR Biodosimetry for Emergency Assessment of Radiation Exposure. Poster presentation at The Annual meeting of American Society for Radiation Oncology (ASTRO), October 2-6, 2011, Miami Beach, FL.

Nicolalde RJ, **Flood AB**, Watts BV, Swartz HM, Gougelet RM. Modeling the Response to Nuclear Terrorism using Discrete Event Simulation. BMIC 2011: 5th International Symposium on Bio and Medical Informatics & Cybernetics. Ju 19-22, 2011, Orlando FL.

Flood AB, Williams BB, Nicolalde RJ, Zubkoff L, Swartz HM. Adapting Comparative Effectiveness to Assess Public Health Disasters Involving Large Populations Exposed to Radiation. Poster presentation at AcademyHealth's 2012 Annual Research Meeting (ARM), June 24-26, Orlando FL.

Flood AB, Hirata H, Yamaguchi I, Miyake M, Swartz HM. EPR Dosimetry for response to a large-scale radiation incident. Poster presentation at the 2nd International Symposium on Electron Spin Science (ISESS2012) in Matsushima/Japan from July 23 to July 25, 2012.

Flood AB. Invited lecture series on health services research in clinical practice and public health disaster planning. Tbilisi State Medical University; Tbilisi, Republic of Georgia, Sept. 17-20, 2012.

Flood, AB. Special Considerations in Comparing the Effectiveness of Radiation Biodosimetric Devices in the Context of Large Scale Events. Food and Drug Administration Workshop: Regulatory Science Considerations for Medical Countermeasure (MCM) Radiation Biodosimetry Device Public Workshop
Clinical Applications, September 28, 2012. Washington DC.

Swartz HM, **Flood AB**, Williams BB, Nicolalde RJ. Poster Presentation. Biodosimetry for Combined Injury. 12-A-446-RRS. 58th Annual Meeting of the Radiation Research Society; September 30th - October 3rd, 2012, San Juan, Puerto Rico.

Flood AB; Nicolalde RJ; Swartz HM. Poster presentation. Triaging for Combined Injury. 12-A452-RRS, 58th Annual Meeting of the Radiation Research Society; September 30th - October 3rd, 2012, San Juan, Puerto Rico.

Flood AB, Nicolalde RJ, Williams BB, Demidenko E, Evans, J, Greene MA, Swartz HM. Presentation and paper published in proceedings: Comparative Evaluation of Dosimetric Methods for Triage in Large-scale Radiation Events. STO-MP-HFM-223 NATO Symposium on Biological Effects of Ionizing Radiation Exposure and Countermeasures: Current Status and Future Perspectives, Ljubljana, Slovenia, 8-10 October 2012. Paper 34: MP-HFM-223-34; ISBN 978-92-837-0178-1 <http://www.cso.nato.int/abstracts.aspx?RestrictRDP=4>

Nicolalde RJ, **Flood AB**, Watts BV, Swartz HM, Ma LE, Toler AJ, Gougelet RM. A Decision Support Tool for Evaluating the Effectiveness and Logistic Consideration of Biodosimetry Methods. STO-MP-HFM-223 Symposium on Biological Effects of Ionizing Radiation Exposure and Countermeasures: Current Status and Future Perspectives, Ljubljana, Slovenia, 8-10 October 2012. Paper 35: MP-HFM-223-35; ISBN 978-92-837-0178-1
<http://www.cso.nato.int/abstracts.aspx?RestrictRDP=4>

Swartz HM, Williams BB, Swartz SG, He X, **Flood AB**, Grinberg O, Sidabras J. Use of EPR dosimetry for field deployable triage for a large radiation event. STO-MPHFM-223 Symposium on Biological Effects of Ionizing Radiation Exposure and Countermeasures: Current Status and Future Perspectives, Ljubljana, Slovenia, 8-10 October 2012. Paper 15: MP-HFM-223-15; ISBN 978-92-837-0178-1 <http://www.cso.nato.int/abstracts.aspx?RestrictRDP=4>

Flood AB, Williams BB, Nicolalde RJ, Evans J, Boyle H, Demidenko E, Swartz HM. "Advances in a Framework to Compare Biodosimetry Methods for Planning Triage", Oral presentation at EPR BioDose 2013 Conference March 24-28, 2013, Leiden (The Netherlands)

Swartz HM, **Flood AB**, Williams BB. "Overview of the Principles and Practice of Biodosimetry." Poster presentation at EPR BioDose 2013 Conference March 24-28, 2013, Leiden (The Netherlands)

Swartz HM, **Flood AB**, Williams BB. "EPR Dosimetry for Triage of Large-Scale Radiation Events". Oral presentation at EPR BioDose 2013 Conference March 24-28, 2013, Leiden (The Netherlands).

He X, Swartz SG, Marsh S, Gui J, Wilcox D, Sidabras J, Grinberg O, **Flood AB**, Swartz HM. Development and Validation of the Ex Vivo EPR Fingernail Biodosimetry Method. Oral presentation at EPR BioDose 2013 Conference March 24-28, 2013, Leiden (The Netherlands)

Williams BB, **Flood AB**, Swartz HM. In vivo EPR tooth dosimetry for triage after a radiation event involving large populations. Oral presentation at EPR BioDose 2013 Conference March 24-28, 2013, Leiden (The Netherlands).

Flood AB. A Different Challenge for "Translational Medicine": How to Plan Healthcare in the Context of a Major Radiation Disaster. Invited Lecture at Medical Scholars Program Conference, University of Illinois at Urbana-Champaign, UIUC, April 24 2013.

Flood AB, Williams BB, Nicolalde RJ, Boyle H, Demidenko E, Swartz HM. Advances in a Framework to Compare and Integrate Biodosimetry Methods for Planning Triage. Oral presentation at ConRad 2013: Global Conference of Radiation Topics – Preparedness, Response, Protection and Research Munich, Germany, 13-16 May 2013.

Swartz HM, Williams BB, Swartz S, He X, Sidabras J, Grinberg O, and **Flood AB**. EPR Dosimetry for Triage of Large-scale Radiation Events - 2013. Oral presentation at ConRad 2013: Global Conference of Radiation Topics –Preparedness, Response, Protection and Research Munich, Germany, 13-16 May 2013.

Flood AB, Williams BB, Nicolalde RJ, Boyle H, Calderone P, Swartz HM. Translating from bench to disaster sites: special considerations in developing EPR for use in radiation disasters. Oral Presentation at ISOTT/EPR2013, Hanover NH, June 22-29.

Dong R, Kobayashi, K, Boyle HK, Du G, Geimer S, **Flood AB**, Williams BB, Schreiber W,

Rychert KM, Gupta A, Swartz HM. Comparison of dose-response of incisor teeth measured by EPR Dosimetry in vitro and in vivo. Poster Presentation at ISOTT/EPR2013, Hanover NH, June 22-29.

Kobayashi K, Dong R, Nicolalde RJ, Calderon P, Boyle H, Geimer S, Gupta A, Raynolds T, Rychert K, Demidenko E, Williams BB, Schreiber W, Kmiec M, Feldman M, Petryakov S, Lariviere J, **Flood AB**, Swartz HM. Development of a mouth model as an alternative to human subjects for tooth dosimetry. Oral Presentation at ISOTT/EPR2013, Hanover NH, June 22- 29

Flood AB, Boyle HK, Du G, Williams BB, Swartz HS. Modeling key parameters to compare and select biodosimetry methods for triage in small and large-scale radiation events. Poster Presentation at 59th Annual Meeting of Radiation Research Society in New Orleans, LA, September 14-18, 2013.

Ali A, Swartz HS, **Flood AB**, Switchenko JM, Perino L. Clinical analysis of emesis as a medical screening diagnostic for radiation exposure, # 404. Poster Presentation at 59th Annual Meeting of Radiation Research Society in New Orleans, LA, September 14-18, 2013.

Williams BB, **Flood AB**, Swartz HM. In vivo EPR tooth dosimetry for triage after a radiation event involving large populations. Poster Presentation at 59th Annual Meeting of Radiation Research Society in New Orleans, LA, September 14-18, 2013.

Swartz SG, Ruuge AE, Tipikin DS, Mariani M, Lariviere JP, He X, Wilcox DE, Gui J, Demidenko E, Williams BB, Sidabras JW, **Flood AB**, Swartz HS. Developing an ex vivo EPR dosimetry method: Gender-based variables in the radiation-induced signal of fingernails. Poster Presentation at 59th Annual Meeting of Radiation Research Society in New Orleans, LA, September 14-18, 2013.

Hou H , Khan N, Lariviere J, Hodge S, Chen E, Jarvis L, Schaner P, Eastman A, Hoopes J, Williams BB, Kuppusamy P, **Flood AB**, Swartz HM. Skeletal muscular tissue and glioma tumor oxygenation following carbogen inhalation in rats by EPR Oximetry using single probe implantable oxygen sensors. Poster Presentation at 59th Annual Meeting of Radiation Research Society in New Orleans, LA, September 14-18, 2013.

Flood, AB. Invited Speaker. Comparative Effectiveness of Biodosimetry Methods for Triage: Implications for Planning Medical Response to a Radiation Emergency. N.E.R.H.C. (New England Radiological Health Committee) 44th Annual Meeting, Concord, NH. October 29-Nov 1, 2013

Flood, AB. Invited Memorial Lecture: EPR Dosimetry Using Tooth Enamel: Practical and Scientific Issues in Using This Method to Triage Large Numbers of Victims in the Event of a Radiation Disaster. Kanagawa Odontological Society, Yokosuka, Japan March 28, 2014

Flood, AB. Seminar Speaker. Rockefeller Center Health Policy Seminar Series. Dartmouth College. "Challenges in Conducting Comparative Effectiveness when the Assumptions Don't Work: The Case of Biodosimetry in a Public Health Disaster." May 29, 2014

Flood, AB. Invited Speaker. Mod X and the Analytic Teams: What we do and how & where we fit into *U19.Incarnation 3*. Dart-Dose CMC Annual Meeting, Lebanon, NH, June 26, 2014.

Swartz HM, Swarts SG, Williams BB, Sidabras JW, Grinberg O with Blank A, Boyle HK, Crist JA, Demidenko E, Dong R, Dörr H, Du G, Feldman M, **Flood AB**, Geimer S, Gladstone DJ, Gui J, Gupta A, He X, Hirata H, Jarvis LA, Kmiec MM, Kobayashi K, Krymov V, Lariviere JP, Lesniewski PN, Mariani M, Meany PM, Meineke V, Nicolalde RJ, Petryakov SV, Reynolds T, Ruuge AE, Rychert KM, Satinsky VA, Salikhov I, Schreiber W, Tipikin DS, Varanasi SK, Marsh SDP, Wilcox DE, Zaki BI. (*presenter underlined*). Evaluating the comparative effectiveness of biodosimetry for intended uses by the military and public health: Comparing *in vivo* and *ex vivo* EPR measurements in teeth and finger/toe nails. Poster Presentation at Radiation Research Society Annual Meeting, Las Vegas, NV, Sept. 21-24. 2014.

Swarts SG, Rugge AE, Tipikin DS, Mariani M, Wilcox DE, Gui J, Marsh SDP, Grinberg O, Sidabras JW, Varanasi SK, **Flood AB**, Swartz HM. Development in *ex vivo* EPR dosimetry method for fingernails: Contributions of UV light to background signal. Poster Presentation at Radiation Research Society Annual Meeting, Las Vegas, NV, Sept. 21-24. 2014.

Swartz HM, **Flood AB**, Williams BB, Swarts SG. Tumor Oxygenation and the Radiation Response. Podium presentation at Radiation Research Society Annual Meeting, Las Vegas, NV, Sept. 21-24. 2014.

Kyo Kobayashi; Ruhong Dong; Gaixin Du; Benjamin B. Williams; **Ann Barry Flood**; Harold M. Swartz. Developing Novel Mouth Models for Testing EPR Tooth Biodosimetry Systems; Poster Presentation, International Association for Dental Research General Session, Boston, MA, March 11-14, 2015.

Flood AB and (listed alphabetically): Boyle HK, Demidenko E, Du G, Satinsky VA, Schreiber W, Swarts SG, Swartz HM, Williams BB. Meeting the Special Needs for the Military for Radiation Dosimetry: Organizational Aspects. Oral presentation at the Global Conference on Radiation Topics (ConRad) 2015, 4–7 May 2015, Munich, Germany.

Swartz HM and (listed alphabetically): Dong R, Flood AB, Kobayashi K, Petryakov S, Rychert KM, Schreiber W, Swarts SG, Williams BB. Meeting the Special Needs for the Military for Radiation Dosimetry: Characteristics Needed for Dosimetry Systems. Oral presentation at the Global Conference on Radiation Topics (ConRad) 2015, 4–7 May 2015, Munich, Germany.

Swarts SG, Boyle HK, Brugger S, Demidenko E, **Flood AB**, Grinberg O, Gui J, He X, Kobayashi K, Kmiec M, Lariviere JP, Mariani M, Marsh SDP, Petryakov S, Ruuge A, Satinsky VA, Schreiber W, Sidabras J, Tipikin DS, Varanasi S, Wilcox DE, Williams BB, Swartz HM. In vivo and ex vivo EPR Measurements of the Radiation-Induced Signal in Finger/Toe Nails for Rapid Dosimetry. Poster presentation at the Global Conference on Radiation Topics (ConRad) 2015, 4–7 May 2015, Munich, Germany

Flood AB, Boyle HK, Satinsky VA, Du G, Schreiber W, Williams BB, Demidenko E, Swarts SG and Swartz HM. Devising a New Policy Framework to Evaluate the Quality and Safety of Methods to Screen a Large Population in a Major Disaster. – AcademyHealth Annual Research Meeting, Minneapolis, MN June 14-16, 2015

Bahar N, Roberts K, Stabile F, Mongillo N, Decker RD, Wilson LD, Husain Z, Contessa J, Williams BB, **Flood AB**, Swartz HM, Carlson DJ. Non-invasive In Vivo Biodosimetry in

Radiotherapy Patients using Electron Paramagnetic Resonance (EPR) Spectroscopy. ORAL PRESENTATION at the 57th Annual Meeting & Exhibition of the American Association of Physicists in Medicine in Anaheim, CA from July 12 - 16, 2015.

Flood AB. Do oximetry methods work? Comparing the effectiveness of methods to measure oxygen in tissues for prognosis and treatment. ISOTT (International Society for Oxygen Transport in Tissues) Annual Meeting in Wuhan, China July 15, 2015.

Ann Barry Flood, Ph.D. “Deployable In Vivo EPR Tooth Dosimeter for Triage after a Radiation Accident”. 2015 1st KHNP-RHI International Seminar of Accidental Dosimetry. Radiation Health Institute, Seoul, South Korea July 17, 2015.

Ann Barry Flood; Holly K. Boyle; Victoria K. Satinsky; Gaixin Du; Benjamin B. Williams; Steven G. Swartz; Eugene Demidenko; Wilson Schreiber; Alla Shapiro; Arif Ali and Harold M. Swartz. Advancing a framework to comparatively evaluate methods for biodosimetry in largescale radiation disasters: Changing the assumptions about the percent of victims with radiation exposure, combined injuries, or receiving prompt or extended doses. Poster presentation at Radiation Research Society Annual Meetings, Sept 19-22, 2015, in Weston, Florida.

Harold M. Swartz; Periannan Kuppusamy; Benjamin B. Williams; Lesley Jarvis; Philip Schaner; Eunice Chen; Nadeem Khan; Huagang Hou; **Ann Barry Flood**; Alan Hartford; Eugene Demidenko; Arif Ali; and Bernard Gallez. Repeated measurements of oxygen in tumors and adjacent tissues to enhance cancer therapy: opportunities and challenges in 2015. Poster presentation at Radiation Research Society Annual Meetings, Sept 19-22, 2015, in Weston, Florida.

Stephen D.P. Marsh; Rhina M. Lara; Kyo Kobayashi; Harold M. Swartz; **Ann B. Flood**; and Steven G. Swartz. A comparison of nail polish removal methods to preserve radiation-induced electron paramagnetic resonance signal in fingernails. Poster presentation at Radiation Research Society Annual Meetings, Sept 19-22, 2015, in Weston, Florida.

Multiple roles. EPR BIODOSE 2015 Annual Meeting of the International EPR Society and IABERD held October at Hanover NH. **Ann B Flood** gave an oral presentation and was part of the authors on several oral presentations and posters, including. See publications below in Radiation Protection Dosimetry in 2016 for topics and details of authorship.

Ivannikov A.I., Khailov A.M., Orlenko S.P., Skvortsov V.G., Stepanenko V.F., Zhumadilov K.Sh., **Flood A.B.**, Williams B.B., Swartz H.M. Determination of the average native background and the light-induced EPR signals and their variation in the teeth enamel based on large-scale surveys of the population of different regions. Abstract for EPR Biodose 2015 Conference, Oct 48, 2015 Hanover, NH

Ann B. Flood. Comparative Effectiveness of Biodosimetry: Comparing Throughput and Capacity in Response to Large-scale Radiation Events. Oral presentation to the National Institute of Public Health, Waco, Japan, Feb. 22, 2016.

Ann Barry Flood. Comparing the Effectiveness of Biodosimetry Methods for Triage in a Largescale Radiation Event: How Feasible is their Throughput and Capacity to Respond? Oral

presentation at the 28th conference of the Nuclear Society in Israel, April 12-16, 2016 in Tel Aviv, Israel.

Harold M. Swartz, Benjamin B. Williams, **Ann Barry Flood**. Overview of the principles and practice of biodosimetry. 2016 IEEE International Symposium on Technologies for Homeland Security (conference held in Waltham, MA, May 10-12, 2016.)

Flood AB, (oral presentation) with Wood VA, Leveque P, and Swartz HM. Reviewing the longterm risks of injections of India ink used as an EPR oximetry sensor. ISOTT Annual Meeting July 10-14, 2016 in Chicago IL

Jarvis LA, Williams BB, Schaner PE, Chen EY, Angeles CV, Hou H, Schreiber W, Wood VA, **Flood AB**, Swartz HM, Kuppusamy P (oral presentation). Phase 1 Clinical Trial of OxyChip, an Implantable Absolute pO₂ Sensor for Tumor Oximetry. 58th Annual Meetings. ASTRO Sept 25-28, 2016 Boston, MA.

Flood AB. (oral presentation) Adapting EPR Spectroscopy for Clinical Uses Xth EPR Workshop Krakow, Poland Oct 2-6, 2016

Steven G. Swartz, Jason W. Sidabras, Oleg Grinberg, Dmitriy S. Tipikin, Matthew Feldman, Michael Mariani, Maciej Kmiec, Sergey Petryakov, Spencer Brugger, Shiv Varanasi, Wilson Schreiber, Holly Boyle, Victoria A. Wood, Benjamin B. Williams, **Ann B. Flood**, Harold M. Swartz. (poster presentation) Instrument and Methodological Advancements for X-band Electron Paramagnetic Resonance *In Vivo* Fingernail Dosimetry. ConRAD Conference. Munich Germany May 8-11, 2017.

Steven G. Swartz, Holly Boyle, Gaixin Du, **Ann B. Flood**, Oleg Grinberg¹, Jiang Gui, Xiaoming He, Kyo Kobayashi, Jean P. Lariviere, Michael Mariani, Stephen D.P. Marsh, Andres E. Ruuge, Kevin Rychert, Wilson Schreiber, Jason W. Sidabras, Dmitriy S. Tipikin, Dean E. Wilcox, Benjamin B. Williams, Victoria Wood, Harold M. Swartz. Ex vivo EPR dosimetry: Population-based variables in the radiation-induced and background signals of fingernails. Poster presented at the 62nd Meeting of the Radiation Research Society, October 16-19, 2016, Waikoloa Village, Big Island, Hawaii.

Steven G. Swartz, Holly Boyle, Gaixin Du, **Ann B. Flood**, Oleg Grinberg¹, Jiang Gui, Xiaoming He, Kyo Kobayashi, Jean P. Lariviere, Michael Mariani, Stephen D.P. Marsh, Andres E. Ruuge, Kevin Rychert, Wilson Schreiber, Jason W. Sidabras, Dmitriy S. Tipikin, Dean E. Wilcox, Benjamin B. Williams, Victoria Wood, Harold M. Swartz. Ex vivo EPR dosimetry: Population-based variables in the radiation-induced and background signals of fingernails. Poster presented at the University of Florida Health Cancer Center Research Day, November 3, 2016, University of Florida, Gainesville, Florida

Wilson Schreiber, Victoria Wood, Maciej Kmiec, Sergey Petryakov, Benjamin Williams, **Ann Flood**, Harold Swartz. Practical In Vivo Oximetry Measurements. Oral

presentation. International Conference on Biomedical, Electron Paramagnetic Resonance Spectroscopy and Imaging (EPR). July 16-21, 2017 Morgantown, West Virginia

Sergey Petryakov, Wilson Schreiber, Maciej Kmiec, Victoria A. Wood, Philip Schaner, **Ann B. Flood**, Harold M. Swartz, Benjamin B. Williams. Poster presentation. Segmented Loop Resonator for Surface EPR Oximetry Measurements. International Conference on Biomedical, Electron Paramagnetic Resonance Spectroscopy and Imaging (EPR). July 16-21, 2017 Morgantown, West Virginia

Maciej M. Kmiec, Wilson Schreiber, Rose M. Caston, Huagang Hou, Sergey V. Petryakov, Benjamin B. Williams, Victoria A. Wood, Eunice Chen, Nate Simmons, Phil Schaner, **Ann B. Flood**, Periannan Kuppusamy, Harold M. Swartz. Poster presentation. Finite-Element Analysis of the implantable EPR resonator for In Vivo Oximetry. International Conference on Biomedical, Electron Paramagnetic Resonance Spectroscopy and Imaging (EPR). July 16-21, 2017 Morgantown, West Virginia

Ann B. Flood (oral presentation). Adapting EPR Spectroscopy for Clinical Uses. ISOTT annual meeting. Halle, Germany August 19-23, 2017.

Ann B. Flood (oral presentation). "Clinical Applications using in vivo EPR, adapted from Advancements in in vivo EPR Dosimetry" EPR BioDose 2018, in Munich, Germany June 11 – 15, 2018.

A.B. Flood (oral presentation), P. Vaupel, H.M. Swartz, A. Ali, B. Aydogan, P.E. Schaner. Clinical and statistical considerations when assessing oxygen levels *in vivo* in human tumors. ISOTT Annual Meeting. Seoul, South Korea July 1-5, 2018.

Ann B. Flood (oral presentation), Benjamin B Williams, Philip E. Schaner, Wilson Schreiber, Victoria A. Wood, Eugene Demidenko, Harold M. Swartz. Clinical Applications using in vivo EPR, adapted from Advancements in in vivo EPR Dosimetry.) International Symposium in Medical Engineering, July 9-12, 2018, University of Science and Technology of China (USTC), Hefei, China, July 9-12, 2018

Ann Barry Flood, Steven G Swartz and Harold M Swartz (Oral presentation). Comparative Effectiveness of Biomarkers: Expanding a Framework to Include OrganSpecific Predictions of Injury. ConRad 2019, Global Conference on Radiation Topics - Preparedness, Response, Protection and Research” (23rd Nuclear Medical Defense Conference) May 13-16, 2019 in Munich, Germany.

Harold M. Swartz, **Ann Barry Flood**, Steven G. Swartz (oral presentation) Resolution of homogeneity and dose distribution under emergency conditions using Electron Paramagnetic Resonance (EPR) measurements of finger/toe nails in vivo. ConRad 2019, Global Conference on Radiation Topics - Preparedness, Response, Protection and

Research” (23rd Nuclear Medical Defense Conference) May 13-16, 2019 in Munich, Germany.

Ann Barry Flood (invited panel member) “Moving Organizational Theory in Health Care Forward” 2019 Organization Theory in Healthcare Conference, at The Wharton School at the University of Pennsylvania on May 22-24, 2019 in Philadelphia, PA.

Draeger E, Roberts, K, Decker RD, Wilson LD, Husain Z, Contessa J, Williams BB, **Flood AB**, Swartz, HM, Carlson DJ (oral presentation). Using electron paramagnetic resonance for *in vivo* biodosimetry in radiotherapy patients. American Association of Physicists in Medicine 2019 AAPM Annual Meeting in San Antonio, TX from July 14 - 18, 2019.

Flood, A.B., Plenary Address for the Keith G. Provan Award as 2021 Distinguished Scholar, Health Care Management Division of the Academy of Management (AOM). “Does (organizational) practice make perfect? 40 years of experience adds nuances” Aug. 2, 2021, Annual Meeting of AOM, virtual conference.

Swartz and Flood EPR Biodose 2022 Japan March 2022 (virtual)

Flood AB, Sidabras, Swarts, Buehler, Schreiber, Swartz presentation at EPR Biodose 2022 Proceedings, Paris, France June 2022 on *in vivo* nail dosimetry

ISOTT 2023 Tokyo, Japan Flood AB, Chair session on 50th Anniversary of founding of ISOTT

(does not include presentations at Denver conference and ISOTT 2019)

PUBLICATIONS

1. **Flood, Ann Barry.** *Professions and Organizational Performance: A Study of Medical Staff Organizations and Quality of Care in Short-Term Hospitals*. Ph.D. dissertation, Department of Sociology. Stanford, CA: Stanford University, December, 1976.
2. Forrest, Jr., William H., Jr.; Scott, W. Richard; Brown, Jr., Byron W.; Ewy, Wayne; Engelhard, Curtis; **Flood, Ann Barry**; Comstock, Donald E.; Schoonhoven, Claudia K.; Bloom, Joan R.; Taylor, Gordon and Campbell, Gordon. *Study of the Institutional Differences in Postoperative Mortality: A Report to the National Academy of Sciences*, Springfield, VA: National Technical Information Services. DHEW Pub PB 2500940/LK (p. 771), 1974.
3. Staff of the Stanford Center for Health Care Research. “Comparison of Hospitals with Regard to Outcomes of Surgery.” *Health Services Research*, 11:112–127, 1976.
4. Forrest, Jr., William H.; Brown, Jr., Byron W.; Scott, W. Richard; Ewy, Wayne; Englehard, Curtis; **Flood, Ann Barry**; Comstock, Donald E.; Schoonhoven, Claudia K.; Bloom, Joan R.; Taylor, Gordon and Campbell, Gordon. “The Hospital as a Factor in the Quality of

Surgical Care.” In *Surgery in the United States: A Report on the Study of Surgical Services in the United States (SOSSUS)*, Vol. 3. Washington, D. C.: American College of Surgeons and the American Surgical Association, 1976.

5. Forrest, Jr., William H.; Brown, Byron W., Jr.; Scott, W. Richard; Ewy, Wayne and **Flood, Ann Barry**. *Studies of the Determinants of Service Intensity in the Medical Care Sector*. A Final Report to the National Center for Health Services Research, DHEW under Contract HRA 203–75–0169. (653 p.), 1977.
6. **Flood, Ann Barry** and Scott, W. Richard. “Professional Power and Professional Effectiveness: The Power of Surgical Staff Care in Hospitals.” *J. of Health and Social Behavior*, 19(3):240–254, 1978.
7. Scott, W. Richard; **Flood, Ann Barry**; Ewy, Wayne and Forrest, Jr., William H. “Organizational Effectiveness: Studying the Quality of Surgical Care in Hospitals.” In *Environments and Organizations*, Meyer, Marshall W. and Associates (editors). Pp. 290–305. San Francisco: Jossey-Bass, 1978.
8. Forrest, Jr., William H.; Brown, Jr., Byron W.; Scott, W. Richard; Ewy, Wayne and **Flood, Ann Barry**. *Impact of Hospital Characteristics on Surgical Outcomes and Length of Stay*. Final Report to the National Center for Health Services Research, DHEW, HRA 230–75–0173. (438 p.), 1978.
9. Scott, W. Richard; **Flood, Ann Barry**; and Ewy, Wayne. “Organizational Determinants of Services, Quality, and Cost of Care in Hospitals.” *Milbank Quarterly/Health and Society*, 57:240–254, 1979.
10. **Flood, Ann Barry**; Scott, W. Richard; Ewy, Wayne; Forrest, Jr., William H. and Brown, Jr., Byron W. “The Relationship Between Intensity of Medical Services and Outcomes for Hospitalized Patients.” *Medical Care*, 17(11):1088–1102, 1979.
11. Schoonhoven, Claudia Barry; Scott, W. Richard; **Flood, Ann Barry** and Forrest, Jr., William H. “Measuring the Complexity and Uncertainty of Surgical Technology.” *Medical Care*, 18(9):893–915, 1980.
12. **Flood, Ann Barry**. “Health Organization and Outcomes of Care.” In *Health Care Delivery in Anesthesia*. Hirsh, Robert, William H. Forrest, Jr., Frederick K. Orkin, and Harry Wollman (editors). Pp. 105-118. Philadelphia: George Stickley Co., 1980.
13. Cohen, Stanley N.; **Flood, Ann Barry**; Mangini, Richard J.; Moore, Terrence N. and Himmelberger, David. *A Report on the Monitoring and Evaluation of Drug Interactions by a Pharmacy Oriented Reporting (MEDIPHOR) System*. Final Report to Health Services Research, DHHS, Grant No. HS00739. (513 p. plus appendices), 1980.
14. Scott, W. Richard; **Flood, Ann Barry** and Ewy, Wayne. “Organizational Determinants of Services, Quality, and Cost of Care in Hospitals” (reprint). In *Health Care Consumers, Professionals, and Organizations*, John B. McKinlay (editor). Pp. 386-416. Milbank Reader 2nd edition, Cambridge, MA: MIT Press, 1981.
15. Korenbrot, Carol; **Flood, Ann Barry**, Higgins, Michael; Roos, Noralou; and Bunker, John. *Elective Hysterectomies: Costs, Risks, and Benefits*. (Health Technology Case Study 15).

Prepared for the Office of Technology Assessment, U.S. Congress OTABP-H-9(15), Washington, DC, 1981.

16. **Flood, Ann Barry**; Scott, W. Richard; Ewy, Wayne; and Forrest, Jr., William H. "Effectiveness in Professional Organizations: The Impact of Surgeons and Surgical Staff Organizations on the Quality of Care in Hospitals." *Health Services Research*, 17(4):341–366, 1982. [With three commentaries in same issue by Stephen M. Shortell, Austin Ross, and Ira M. Rutkow and two commentaries in subsequent issue by Thomas Rundall and Duncan Neuhauser].
17. Scott, W. Richard; **Flood, Ann Barry**; and Ewy, Wayne. "Organizational Determinants of Services, Quality, and Cost of Care in Hospitals" (reprint). In *Issues in Hospital Administration*, John B. McKinlay (editor). Pp. 1-31. Milbank Reader 9th edition, Cambridge, MA: MIT Press, 1982.
18. **Flood, Ann Barry** and Scott, W. Richard. "Professional Power and Professional Effectiveness: The Power of Surgical Staff Care in Hospitals" (reprint). *Organization and Change in Health Care Quality Assurance*, Luke, Roice D., Janelle C. Krueger, Robert E. Modrow (editors). Pp. 85-105. Rockville, MD: Aspen Pub. 1983.
19. **Flood, Ann Barry**; Scott, W. Richard; Ewy, Wayne. "Does Practice Make Perfect? I: The Relation Between Hospital Volume and Outcomes for Selected Diagnostic Categories." *Medical Care*, 22(2):98–114, 1984.
20. **Flood, Ann Barry**; Scott, W. Richard; Ewy, Wayne. "Does Practice Make Perfect? II: The Relation Between Volume and Outcomes and Other Hospital Characteristics." *Medical Care*, 22(2):115–124, 1984 [with an accompanying guest editorial by Avedis Donabedian, "Volume, Quality, and the Regionalization of Health Care Services." *Medical Care*, 22(2):95–97, 1984].
21. **Flood, Ann Barry**; Scott, W. Richard; Ewy, Wayne. "A Reply to a Comment by David Dranove." *Medical Care*, 22(10):967–969, 1984.
22. Scott, W. Richard and **Flood, Ann Barry**. "Hospital Costs and Quality of Care: A Review of the Literature." *Medical Care Review*, 41 (Winter) 1984, 213–261.
23. Cohen, Stanley N.; Kondo, Jing-Jing L.; Mangini, Richard J.; Moore, Terrence N. and **Flood, Ann Barry**. *Development, Implementation, and Preliminary Evaluation of the Monitoring and Intervention of Therapeutic Actions System (MINERVA)*. A Final Report to the National Center for Health Services Research, Grant HS03000 (116 p.), June, 1984.
24. **Flood, Ann Barry**. Review of *Health Care Management. A Text in Organizational Theory and Behavior*. Shortell, Stephen S. and Arnold Kaluzny (editors). John Wiley & Sons, 1983. *Medical Care* 23(3); 278-9, 1985.
25. Sharp, Kimberly and **Flood, Ann Barry**. "Organizational Determinants of Diagnostic Accuracy and Patient Outcomes for Benign Surgical Biliary Tract Disease." Fifth Annual University of Illinois College of Medicine Medical Scholars Program Allerton Conference, August, 1985. Abstract published.

26. **Flood, Ann Barry.** “The Effects of Teaching on Patient Care and Costs in Hospitals.” Presented to American Public Health Association Annual Meetings, Washington, DC, November, 1985. Abstract published.
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RESEARCH GRANT SUPPORT

1. **(Flood role:) Principal Investigator:** Impact of Financial Incentives on HMO and FFS Services.
This study examined the impact of organizational culture and physician characteristics on patient care, comparing fee-for-service and HMO patients treated by the same physicians. It also examined changes in care that occurred after an implementation of a major change in financial incentives.
*Funding*² : \$250,000 HS06159 Agency for Health Care Policy and Research (AHCPR) 1989–1994
2. *Principal Investigator:* Compliance among Outpatients Receiving Chemotherapy.
This study was a developmental phase of a large research effort to examine organizational features in an outpatient setting which affect the quality and costs of

² includes indirect

care for cancer. The effects on compliance with oral chemotherapy were investigated. The initial study was to determine the magnitude of the problem in noncompliance and to compare three types of measures (chemical assay, pill counts, and self reports) for their validity and reliability. Data were collected in a sample of women receiving adjuvant chemotherapy for breast cancer, involving at least one of two oral medications: Tamoxifen and Cytosan.

Funding: \$10,000 Carle Foundation 1988–1989
\$ 5,650 Research Board, University of Illinois 1990–1991

3. *Co-principal Investigator: Appropriate Use of Mammography in a Clinic*
Appropriate usage among all patients receiving mammography in a large group practice during 1987–88 was compared for those who were doctor- or self-referred
Co-principal Investigator: Patricia A. Johnson
Funding: \$2,000 Institute of Govt & Public Affairs, UIUC 1990
4. *Visiting Investigator: Long term Outcomes of Patients Having Prostatectomies for Benign Prostatic Hypertrophy.*
This study followed 400 men in the Oxford and London area who had a prostatectomy for BPH during the year 1988. Each subject received a questionnaire at 4 specified time periods: preoperatively and at 3, 6, and 12 months afterward. Data were also obtained from the surgeon pre and post operatively. Analyses focused on the comparisons between short- and long-term outcomes, between the patient's and professional's perspective, and methodological issues in measuring patient outcome.
Co-principal investigators in UK: Klim McPherson and Nick Black
5. *Co-investigator of PORT and principal investigator of Supplement: PORT (Patient Outcomes Research Team) Study of Prostate Disease*
Principal investigator of Dartmouth's PORT: John E. Wennberg
I was PI for Supplement: Studies of physician decision-making and quality of life in benign prostate disease, three country comparisons of treatment for BPH, and social factors influencing treatment of prostate cancer.
Funding: AHCPR, HS06336 (Supplement only) \$699,579 1991-1994
6. *Co-principal Investigator: Study of Weight Gain Among Breast Cancer Patients*
Using retrospective chart review, this study of approximately 250 women investigates the relationship between weight gain and chemotherapy. All women treated for breast cancer at a large group practice during 1985 to 1987 and having records for three years following the diagnosis are followed for three years. Women differ with respect to the chemotherapy received: none, tamoxifen only, and CMF cycles with and without tamoxifen.
Co-principal investigator: Patricia A. Johnson, M.D., Ph.D.
Funding: \$2,900 Carle Foundation. 1990–1993

7. *Co-investigator: Advance Directives.*
Principal Investigator: Joanne Lynn
Funding: AHCPR 1992- 1993.

8. *Scientific Advisor: Study of Mammography Risk and Benefits and Preparation of Patient Oriented Educational Program.*
 Investigated the perceived and evidence-based assessment of risk of getting and dying from breast cancer for women aged 40-50 and over 50.
Principal Investigator: Robert Nease
Funding: Province of Manitoba 1992-1993

9. *Principal Investigator: Financial, Professional, and Organizational Influences on Physician Practice Patterns.*
 Investigated the relationship of casemix and decisions to provide ambulatory services and the financial and organizational factors that influence resources ordered in the treatment of common episodes of illness.
Funding: Commonwealth Fund \$59,954 1993-1996.

10. *Co-investigator of Prostate PORT II. Study of Prostate Disease*
 Investigates the efficacy and effectiveness of treatments for prostate disease and the role of other factors in identifying and treating disease.
 PI of overall PORT II: Michael J. Barry, Massachusetts General Hospital.
 PI of PORT II (Dartmouth Subcontract): John Wasson
Funding: \$1,371,511 (subcontract only); \$4,943,014 (total PORT II)
 Agency for Health Policy and Research, HS08397 1994-1999.

11. *Principal Investigator: Generalist vs. Specialist Patterns of Utilization #022305*
 In support of the Generalist Provider Research Initiative. Compares and contrasts styles of different specialists in treating common episodes of illness and in responding to financial incentives such as managed care.
Funding: \$271,658 The Robert Wood Johnson Foundation 1995-97

12. *Co-Director: Pre doctoral and Postdoctoral Training Grant in Outcomes Research*
 NRSA Institutional Training Grant for doctoral students and postdoctoral students at the CECS Graduate Programs in Outcomes Research, Healthca
Principal Investigator: John E. Wennberg
Funding: Agency for Healthcare Research and Quality 1994-2008

13. *Principal Investigator at Dartmouth.*
 Facilitated Shared Decision Making about Prostate Cancer Screening. Subcontract to VAMC Contract, Minneapolis, MN. Melissa Partin, PI. 2000-2003

14. *Principal Investigator.*
 Creating a web-based educational program for providers about the PSA Test.

- Funding:* Centers for Disease Control and Prevention. 2001-2003
15. *Principal investigator.* Contract with HRET to serve as Co-Editor-In-Chief, *Health Services Research.* 2002-2010
 16. *Investigator.* Variations in Colonoscopy Screening: A Population Based Study
Principal Investigator: Allen Dietrich
Funding: NCI 2007-2011
 17. *Principal investigator.* Predoctoral and Postdoctoral Training Grant in Outcomes Research.
Funding: AHRQ 2008-2009
 18. *Investigator.* Trustworthy Information Systems for Healthcare Technology in Practice: Coordinating Care in Rural Primary Care Practices
Principal Investigator: David Kotz; *Project Director:* Denise Anthony
Funding: NSF: 3 million 2009-2012
 19. *Director* of Pilot Programs for Radiation Dosimetry; *Co-director* of Dartmouth's Physically-Based Biodosimetry Center for Medical Countermeasures Against Radiation (Dart-Dose CMCR) *Principal Investigator:* Harold M. Swartz
Funding: NIAID Center for Radiation Dosimetry, NIH \$13.3 million # U19AI091173 2010-2016
 20. *Principal Investigator.*
Evaluating the Guidelines and the VA's Role in Disaster Planning for Large-scale Radiological Events
Funding: Veterans Administration Engineering Center \$30,000 Coeus Award # 015129 2010-2011
 21. *Co-Principal Investigator*
In vivo Electron Paramagnetic Resonance (EPR) Tooth Dosimetry for Rapid Point-of-Care Diagnostic Assessment of Absorbed Doses of Ionizing Radiation
Principal Investigator: Harold M. Swartz
Funding: Biomedical Advanced Research and Development Authority (BARDA), DHHS HHSO100201100024C \$30,000,000 [with options] 2011-2015
 22. *Principal Investigator*
Developing and Analyzing Evidence on Comparative Effectiveness of Biodosimetric Methods for Assessing Unknown Radiation Dose
Funding: Norris Cotton Cancer Center Prouty \$30,000 2012-2014
 23. *Co-investigator*
Direct and Repeated Clinical Measurement of pO₂ for Enhancing Cancer Therapy

Principal investigators: HM Swartz; >2018: Pogue, Williams, & Schaner)
Funding: NCI PO1CA190193. 2015 – 2020

Ann Barry Flood

12/14/2023