

Research Interests of Faculty and Affiliated Resource Centers

Steve L. Alves, PhD, CRNA, Associate Clinical Professor

Dr. Alves's research examines collaborative practice in anesthesia care team settings, occupational stress in nurse anesthetists, and theory development in advance practice nursing.

Selected Publications

Kim, H. S., Ellefsen, B., Han, K. J., & Alves, S. L. (2008). Clinical constructions by nurses in Korea, Norway, and the United States. *Western Journal of Nursing Research, 30*, 54-72.

Alves, S. (2005). A study of occupational stress, scope of practice and collaboration in nurse anesthetists practicing in anesthesia care team settings. *American Association of Nurse Anesthetists' Journal, 73*(6), 443-452.

Alves, S. (2005). Neurological disorders (pp. 181-188) and Alves, S. (2005). Neurological principles (pp. 337-346). In M. Karlet (Ed.), *Nurse anesthesia secrets*. Philadelphia: Hanley & Belfus, Inc.

Jane F. Aroian, EdD, PhD, Associate Professor

Dr. Aroian's research focus is two-fold: first on developing nurse leaders for today and tomorrow by teaching, implementing and testing the *Leader as Developer Model*. She has co-authored five data-based publications as an outcome of that research. With the call for evidence-based practice in healthcare, her second research focus centers on experiential education, where she is currently validating the Nursing Administration Standards of Practice and Professional Performance and the learning outcomes from the Graduate Students practicum and post graduation.

Selected Publications

Aroian, J., & Dienemann, J. (2005). Practice oriented leadership. In H. Feldman & M. Greenberg (Eds.), *Education for Leadership* (pp. 219-229). New York: Springer Publishing.

Aroian, J. (2005). Visionary leadership. In H. Feldman & M. Greenberg (Eds.), *Education for Leadership* (pp. 16-23). New York: Springer Publishing.

Demarco, R. & Aroian, J. (2004). Perceptions of senior baccalaureate nursing students and nurse leaders: A look at elements of success in the workplace. *Nursing Leadership Forum, 8*(2).

Lynn Marie Babington, PhD, RN, Associate Professor

Dr. Babington's timely program of research is focused on improving the health of vulnerable populations, particularly immigrants. Her studies examine the health beliefs and practices of various immigrant groups to inform the development and testing of culturally appropriate and accessible interventions. She is currently working with pregnant immigrant women and mothers of infants and young children to develop and test an intervention aimed at preventing childhood obesity, taking into account the process of acculturation. She is a Faculty Scholar at the NU Institute on Urban Health Research and has received recent funding from the American Nurses Foundation.

Selected Publications

Babington, L., & Patel, B. (2007). Understanding child feeding practices of Vietnamese mothers. *Journal of Maternal Child Health* (in press).

Babington, L. (2007). Child feeding practices of Dominican mothers. *Journal of Pediatric Nursing, 22*(5), 388-396.

Babington, L., Kelley, B., & Patsdaughter, C. (2007). Risk Behaviors of Dominican Adolescents in their Homeland and in the United States. *Journal of Pediatric Health Care, 21*(6), 372-380.

Babington, L. (2006). Understanding beliefs, knowledge, and practices of mothers in the Dominican Republic related to feeding infants and young children. *Hispanic Health Care International, 4*(3), 153-158.

Patsdaughter, C.A., Kelley, B.R., Babington, L.M., & Dyer, J. C. (2005). A comparison of sexual risk behaviors of Dominican adolescents in their homeland and in the United States. *Journal of Multicultural Nursing and Health, 11*(1) 63-67.

Grindel, C.G., Patsdaughter, C.A., Medici, G., & Babington, L.M. (2003). Adult health/medical surgical nurses' perceptions of students' contributions to clinical agencies. *MedSurg Nursing: The Journal of Adult Health, 12*(3), 117-123.

Grindel, C.G., Bateman, A.L., Patsdaughter, C.A., Babington, L.M., & Medici, G. (2001). Students contributions to clinical agencies: A comparison of adult health and psychiatric staff nurses' perceptions. *Nursing and Health Care Perspectives, 22*(4), 197-202.

Michelle Beauchesne, DNSc, RN, CPNP, FAANP, Associate Professor

Dr. Beauchesne has been caring for children with developmental disabilities and their families for 30 years. Her program of research has a two-fold focus: to improve pediatric nurse practitioners' (PNPs) understanding of child development and better prepare advanced practice nurses to care for children and other vulnerable populations. As a post-doctoral LEND Fellow in Neurodevelopmental Disabilities, Dr. Beauchesne completed an analysis of Head Start Services for the Administration for Children and Families. Currently she is studying children's response to stressful events such as the war in Iraq and international adoption. In addition, Dr. Beauchesne is leading an international project examining similarities and differences in APN education and practice. Beauchesne's research projects have received funding from the National Association of Pediatric Nurse Practitioners Research Foundation, Sigma Theta Tau International, the Commonwealth Fund and the National Health Research Foundation for Mental Hygiene.

Selected Publications

- Farnum, K., McCarthy, M. L., Beauchesne, M. & Lawrence, P. (2006). The primary care for the underserved conference as a building block to social capital: Impact on education, practice, and research. *Journal of Cultural Diversity*, 12(6), 126.
- Beauchesne, M. (2005). Appalachia: Yesterday and today. *Nurse Practitioner World News*, 22(6), 21-22.
- Beauchesne, M. (2005). Mentoring: Implications for nursing education and professional development, National Organization of Nurse Practitioner Faculties. In L.Raukhorst (Ed.), *Mentoring: Ensuring the Future of NP Practice & Education*, 75-81.
- Beauchesne, M. A., Barnes, A., & Patsdaughter, C. A. (2004). Children with disabilities need a head start too! *Journal of Learning Disabilities*, 8(1), 41-55.
- Beauchesne, M. A., & Kelley, B. R. (2004). Evidence to support parental concerns as an early indicator of autism in children. *Pediatric Nursing*, 30(1), 57-67.
- Farquharson P., & Beauchesne, M. (2004). Special needs of children from international adoption. *All Children Considered*, 2, 4.

Mary Benham-Hutchins, PhD, RN, Assistant Professor

Marge's research interest includes the influence of health information technology on communication between healthcare providers from multiple professions along the continuum of care. Her research is guided by the principles of Complexity Science and Social Network Analysis.

Selected Publications

- Weber, S., Courtney, K., Benham-Hutchins, M. (2008). Decision support in multi-professional communication. *Journal of Medical Systems* (#JOMS232R1).
- Hess, L.M., Jeter, J.M., Benham-Hutchins, M., & Alberts, D.S. (2008). Factors associated with osteonecrosis of the jaw among biphosphonate users. *American Journal of Medicine*, 121(6), 475-83.
- Hess, L.M., Benham-Hutchins, M., Herzog, T.J., Hsu, C-H., Malone, D.C., Skrepnek, G.H., Slack, M., & Alberts, D.S. (2007). A meta-analysis of the efficacy of intraperitoneal cisplatin for the front-line treatment of ovarian cancer. *International Journal of Gynecological Cancer*, 17(1), 1-10.
- Benham-Hutchins, M., & Kyba, F. (2005). Promoting communication and documentation of advance care planning in long term care facilities. *The Director (Journal of the National Directors of Nursing Administration in Long Term Care)*, 13(1), 10-15.
- Benham-Hutchins, M. (2001). Confessions of a nursing informatics junkie or "How I became a HIMSS student volunteer." Capital Area Roundtable on Informatics in Nursing (CARING) Newsletter, 16(3), 4.

Rhonda Board, PhD, RN, CCRN, Associate Professor

Dr. Board's program of research is focused on investigating the effects of a pediatric critical care hospitalization on children and their families. Her work has moved from investigating parental stress to include a focus on understanding children's stress in the pediatric intensive care unit and expansion from use of self-report to projective measures to inclusion of neuroendocrine measures. She has received research funding from the American Association of Critical Care Nurses, American Nurses Foundation, John W. Alden Trust, and National Institute for Nursing Research.

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Selected Publications – Rhonda Board

- Board, R. (2005). School-age children's perceptions of their PICU hospitalization. *Pediatric Nursing*, 31, 166-175.
- Board, R. (2004). Father stress during a child's critical care hospitalization. *Journal of Pediatric Health Care*, 18, 244-249.
- Board, R. & Ryan-Wenger, N. (2003). Stressors and stress symptoms of mothers with children in the PICU. *Journal of Pediatric Nursing*, 18(3), 195-202.

Carol Glod, PhD, RN, CS, FAAN, Professor

Dr. Glod is a leading researcher focusing on the psychobiology and treatment of childhood psychiatric disorders. She is the author of over 60 scientific publications and book chapters centering on adult and child psychopharmacology, the effects of childhood physical and sexual abuse, and circadian rhythms. She also is the author of, "Contemporary Psychiatric Mental Health Nursing: The Brain Behavior Connection," a textbook published in 1998 by FA Davis. Her research has been funded by the National Institute of Mental Health, National Institute of Nursing Research, and an Independent Investigator Award from the National Association for Research on Schizophrenia and Depression. Her program of research focuses on testing pharmacologic interventions in adolescent depression and on investigating the effects of antidepressants on brain functioning using MRI; treatment of seasonal affective disorder (SAD); and monitoring of depression. Dr. Glod is the recipient of several prestigious awards for both her teaching and research.

Selected Publications

- Glod, C., Totten, J., & Cao, Y. (2006). An evaluation of patient and family depression monitoring. [Abstract]. The American Psychiatric Association 2006 Annual Meeting, Toronto, CA. NR1013, p.73.
- Mateo, M. A., Glod, C. A., Hennen, J., Price, B. H., & Merrill, N. (2005). Mild traumatic brain injury in psychiatric inpatients. *Journal of Neuroscience Nursing*, 37, 28-33.
- Roberts, J.R., & Glod, C. (2005). The practice doctorate in nursing: Is it the answer? *American Journal for Nurse Practitioners*, 9(11/12), 56-68.

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Selected Publications - Carol Glod

- Glod, C. A., Lynch, A., Flynn, E., Berkowitz, C., & Baldessarini, R. J. (2003). Open trial of bupropion SR in adolescent major depression. *Journal of Child and Adolescent Psychiatric Nursing*, 16, 123-130.
- Teicher, M. H., Anderson, C. M., Polcari, A., Glod, C. A., Maas, L. C., & Renshaw, P. F. (2000). Functional deficits in basal ganglia of children with attention deficit/hyperactivity disorder shown with functional magnetic resonance imaging relaxometry. *Nature Medicine*, 6, 470-473.

Nancy Hoffart, PhD, RN, Professor

Dr. Hoffart is a health services researcher who studies the impact of organizational change and innovation in nursing on staff, patient, and organization outcomes, as well as the effects of collaboration between nursing education and health care agencies on the delivery of patient care, nurse satisfaction, and nurse retention. She has conducted her federal and privately funded research in acute care hospitals and freestanding dialysis units. Her methodological expertise is in qualitative research approaches. Her current work is aimed at understanding the impact of the cooperative education model on student nurse outcomes. A current study examining factors that influence new graduate nurses' transition to the RN workplace is funded by the National League for Nursing; a second descriptive study of international cooperative educational experiences is in process.

Selected Publications

- Hoffart, N., Cobb, A. K., Ballou, K. A., Burnett, M. L., Ellis-Stoll, C., Hinds, M., Kochinda, C., Koehn, M.L., Larson, S.G., Pace, K.B., Sakulkoo, S., Spaniol, R.J., & Tang, W-R. (2002). Assessing clinical pathways use in a community hospital: It depends on what "use" means. *The Joint Commission Journal on Quality Improvement*, 28, 167-179.
- Holcomb, B. R., Hoffart, N., & Fox, M. H. (2002). Defining and measuring nursing productivity: A concept analysis and pilot study. *Journal of Advanced Nursing*, 38, 378-386.

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Nancy Hoffart Continued...

Pace, K. B, Sakulkoo, S., Hoffart, N., & Cobb, A. K. (2002). Barriers to successful implementation of a clinical pathway for CHF. *Journal for Health Care Quality*, 24(5), 32-38.

Hoffart, N., Diani, J. A., Connors, M., & Moynihan, P. (2006). Outcomes of cooperative education in a baccalaureate program in nursing. *Nursing Education Perspectives*, 27, 136-143.

Elizabeth Howard, PhD, RN, NP, Associate Professor

Dr. Howard has focused most of her research on the functional ability of older adults. She began her work in this area two decades ago examining functional decline among hospitalized older adults. Currently she is examining the effects of behavioral counseling and exercise interventions on cardiovascular risk reduction for female, older adults in urban, faith-based communities. Dr. Howard is a Faculty Scholar at NU's Institute for Urban Health Research and a Scholar with The Hartford Foundation Institute for Geriatric Nursing Research, a leading organization in training and supporting geriatric nurse researchers.

Selected Publications

Howard, E., & Steinberg, S. (2002). Evaluation of clinical learning in a managed care environment. *Nursing Forum*, 37, 12-20.

Howard, E. (2004). Educational models for geriatric competence. In *Shaping New Paradigms for Nurse Practitioner Education* (pp. 23-28). Washington, DC: National Organization of Nurse Practitioner Faculties.

Howard, E., & Growney, M. (2004). Parish nursing and assessing the health care needs of a faith-based community. *Alternative Journal of Nursing*, issue 5.

Magdalena A. Mateo, PhD, RN, FAAN, Associate Professor

The research program of Dr. Mateo focuses on care of patients who sustain mild traumatic brain injury (MTBI). After MTBI persons may experience cognitive, emotional, or physical problems. These are variables that have been examined in her studies. A frequent and debilitating impairment following MTBI is a deficit in prospective memory, the ability to recall and act upon time-dependent information to achieve one's goals. Successful use of portable electronic memory aids for prospective memory deficits has been reported. She is currently examining differences in the effectiveness of accomplishing randomly assigned time-dependent tasks when MTBI subjects use the PalmZ22 hand-held palmtop

computer, an electronic memory aid, as opposed to not using a palmtop computer. She is a co-author of the award winning research text, *Using and Conducting Nursing Research in the Clinical Setting*.

Selected Publications - Magdalena A. Mateo

Mateo, M. A. (2003). Evaluating patients with mild traumatic brain injury. *Nursing Case Management*, 8, 203-207.

Mateo, M.A., & Glod, C.A. (2003). Mild traumatic brain injury and psychiatric disorders. *Journal of the American Psychiatric Nurses Association*, 9, 129-135.

Mateo, M. A., & Smith, S. P. (2003). Workforce diversity in hospitals. *Nursing Leadership Forum*, 7, 143-149.

Mateo, M. A., Glod, C. A., Hennen, J., Price, B. H., & Merrill, N. (2005). Mild traumatic brain injury in psychiatric inpatients. *Journal of Neuroscience Nursing*, 37, 28-33.

Lea Ann Matura, PhD, RN, NP-C, CCRN, Assistant Professor

Selected Publications

Sachdev, V., Matura, L.A., Sidenko, S., Ho, V.B., Arai, A.E., Rosing, D.R., & Bondy, C.A. (2008). Aortic valve disease in Turner Syndrome. *Journal of the American College of Cardiology*, 51(19), 1904-1909.

Matura, L.A., & Bondy, C.A. Growth hormone effects of heart and body composition in girls with turner syndrome. In *New Human Growth Hormone Research*, In press. Hauppauge, NY: Nova Science Publishers.

Matura, L.A., Ho, V.B., Rosing, D., & Bondy, C.A. (2007). Aortic dilatation and dissection in turner syndrome. *Circulation*, 116(15), 1663-70

Matura, L.A., Sachdev, V., Bakalov, V.K., Rosing, D.R., & Bondy, C.A. (2007). Growth hormone treatment and left ventricular dimensions in turner syndrome. *Journal of Pediatrics*, 150(6), 587-591.

Bondy, C.A., Matura, L.A., Wooten, N., Troendle, J., Zinn, A.R., & Bakalov, V.K. (2007). The physical phenotype of girls and women with Turner Syndrome is not x-imprinted. *Human Genetics*, 121(3/4), 469-474.

Angela Nannini, PhD, FNP-C, Assistant Professor

Dr. Nannini's research interests are health disparities, population health, and measures of maternal health. She is currently co-PI for the Pregnancy to Early Life Longitudinal data project and principal investigator for a study of pregnancy-associated injury morbidity in Massachusetts, both of which are funded by the Centers for Disease Control and Prevention. She has also received funding from the American Nurses Foundation. She is a certified family nurse practitioner who is conversant in Spanish, and has over 25 years of clinical experience primarily working with Latino families in community health centers in MA. In addition she has worked at the Massachusetts Department of Public Health on policy issues for over 15 years.

Selected Publications

Nannini, A., Weiss, J., Goldstein, R., & Fogerty, S. (2002). Pregnancy-associated mortality at the end of the twentieth century: Massachusetts, 1990-1999. *Journal of the American Medical Women's Association*, 57, 140-143.

Lazar, J., Kotelchuck, M., Nannini, A., & Barger, M. (2006). Identifying multiple gestation groups using state-level birth and fetal death certificate data. *Maternal Child Health Journal*, 10, 225-228.

Deneux-Tharaux, C., Berg, C., Bouvier-Colle, M.H., Gissler, M., Harper, M., Nannini, A., Alexander, S., Wildman, K., Breart, G., & Buekens, P. (2005). Pregnancy related mortality in the United States and Europe: Use of a uniform enhanced surveillance method to provide comparable data. *Obstetrics and Gynecology*, 106, 684-692.

Tomashek, K., Shapiro-Mendoza, C., Weiss, J., Kotelchuck, M., Barfield, W., Evans, S. Nannini, A., & Declercq, E. (in press). Early discharge among late preterm and term newborns and risk for neonatal morbidity. *Seminars in Perinatology*.

Lusine Poghosyan, PhD, MPH, RN, Assistant Professor

Lusine's primary research interest is in the area of health outcomes and policy research. She has also pursued research in health care workforce issues internationally and in global health.

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Selected Publications-Lusine Poghosyan

Kanai-Pak, M., Aiken, L.H., Sloane, D.M., & Poghosyan, L. (2008). Poor work environments and nurse inexperience are associated with burnout, job dissatisfaction, and quality deficits in Japanese hospitals. *Journal of Clinical Nursing*, In Press.

Pinto-Martin, J., Young, L., Mandell, D., Poghosyan, L., Giarelli, E., & Levy, S. (2008). The relative yield of a general developmental screening tool versus an autism-specific tool in primary care. *Journal of Developmental and Behavioral Pediatrics*, In Press.

Cimiotti, J., Aiken, L.H., Poghosyan, L. (2008). Handbook of stress and burnout in health care. In J.R.B. Halbesleben (Ed.), *Nurse Burnout* (3rd Quarter).

Susan Jo Roberts, DNSc, RN, ANP, FAAN, Professor

As principal investigator of the Boston Lesbian Health Project, Dr. Roberts has been researching the health care needs of lesbians for the last three decades. This program of research has clarified health care priorities and mental health needs for this population and contributed to more informed and sensitive care. Currently she is using focus groups to determine attitudes and beliefs of lesbians related to cardiovascular risk reduction, a study funded by the Lesbian Health Fund. A second area of research interest is the relationship between oppressed group behavior and empowerment in nurses and patients. A third area involves exploring the relationships between depression, aggression and health behaviors.

Selected publications:

Roberts, S. (2006). Oppressed group behavior and nursing. In L. Andrist, P. K. Nicholas, & K. Wolf (Eds.). *A History of Nursing Ideas* (pp. 23-33). Boston: Jones and Bartlett

DeMarco, R., Roberts, S. J., & Chandler, G. (2005). The use of a writing group to enhance voice and connection among staff nurses. *Journal for Nurses in Staff Development*, 21(3), 85-90.

Roberts, S. J., Grindel, C., Patsdaughter, C. A., DeMarco, R., & Tarmina, M.S. (2004). Lesbian use and abuse of alcohol: Results of the Boston Lesbian Health Project II. *Substance Abuse*, 25(4), 1-9.

Susan Jo Roberts Continued...

Roberts, S. J., Grindel, C., Patsdaughter, C. A., Reardon, K., & Tarmina, M. S. (2004). Mental health needs and use of services of lesbians: Results of the Boston Lesbian Health Project. *Journal of Gay and Lesbian Social Services, 17*(4), 1-16.

Roberts, S. J., Patsdaughter, C. A., Grindel, C., & Tarmina, M. S. (2004). Health related behaviors and cancer screening of lesbians: Results of the Boston Lesbian Health Project II. *Women & Health, 39*(4), 41-55.

Affiliated Faculty and Their Research Interests

In Bouvé College of Health Sciences

Hortensia Amaro, PhD, Distinguished Professor, Counseling and Applied Educational Psychology Department, School of Health Professions; Associate Dean for Urban Health Research; Director, Institute on Urban Health Research. HIV/AIDS prevention and intervention, drug abuse epidemiology and prevention and treatment models for Latina and African American women, domestic violence and post traumatic stress disorder, urban health, racial and ethnic disparities in health.

Judy Barr, ScD, Associate Professor, Pharmacy Practice Department, School of Pharmacy. Patient-centered outcome assessment, pharmacoeconomics, assessment of teaching and learning.

Deb Franko, PhD, Professor, Counseling and Applied Educational Psychology Department, School of Health Professions. Women's health, specifically eating disorders, prevention of eating disorders in both middle school girls and first-year college women, pregnancy and eating disorders, and the development of risk factors in the children of mothers with anorexia and bulimia nervosa.

Karen Lifter, PhD, Professor, Counseling and Applied Educational Psychology Department, School of Health Professions; Director of the Certificate Program in Early Intervention. Play, language, and social development of young children with and without disabilities, bridging cognitive and behavioral theories.

Michail Sitkovsky, PhD, Professor & Eleanor M. Black Chair of Immunophysiology and Pharmaceutical Biotechnology, Pharmaceutical

Sciences Department, School of Pharmacy; Director, New England Inflammation and Tissue Damage Institute.

In Other Northeastern University Departments

Barry Bluestone, PhD, Stearns Trustee Professor of Political Economy; Director, Center for Urban and Regional Policy; Director, Center for Urban & Regional Policy. Urban development, labor market analysis, public policy, political economy, poverty and income distribution.

Luis Falcon, PhD, Professor, Sociology and Anthropology Department, College of Arts and Sciences; Vice Provost for Faculty and Graduate Education. Social support and stress in older Hispanic populations in an urban setting.

Joan Fitzgerald, PhD, Professor and Director, Law, Policy, and Society Program, College of Arts and Sciences. Urban and suburban economic development, labor economics and career advancement in low-paying jobs.

Judith Hall, PhD, Professor, Psychology Department, College of Arts and Sciences. Verbal and nonverbal behavior of health care providers and patients in medical visits, with focus on gender differences and correlates of patient outcomes such as satisfaction and adherence to medical regimens.

In Boston Area Healthcare Agencies

Diane L. Carroll, PhD, APRN, BC, FAHA, NFESC, Nurse Researcher, Evonne Munn Research Center, Massachusetts General Hospital. Cardiovascular nursing care, quality of life, alternative therapies.

Michele DeGrazia, PhD, RN, NNP/Scientist, Children's Hospital Boston. Neonatal care.

Ann Dylis, PhD, RN, Nursing Research Scientist, Center for Clinical and Professional Development, Lahey Clinic Medical Center. Identification and exploration of factors that influence quality of life in families who have one or more members with neurofibromatosis 1(NF1), a genetic disorder.

Patrice Farquharson, EdD, Executive Director, West Haven Child Development Center, Inc. Early childhood development.

Alice Gervasini, PhD, RN, Nurse Director, Trauma and Emergency Surgery, Massachusetts General Hospital. Care and outcomes of clinical trauma patients.

Rose Harvey, DNSc, RN. Alzheimer's disease and dementias, gerontology, health literacy.

Kathy Horvath, PhD, RN, Associate Director, Education, and Program Evaluation, New England Geriatric Research, Education, and Clinical Center, Veteran's Administration Medical Center, Bedford. Home safety, Alzheimer Disease.

Ann C. Hurley, DNSc, RN, Senior Nurse Scientist Emerita, Center for Excellence in Nursing, Brigham and Women's Hospital. Critical thinking skills in nurses, Alzheimer Disease, home safety.

Sanjay Raj Jain, MD, PhD, Instructor in Medicine, Division of Hematology and Oncology, Beth Israel Deaconess Medical Center. Conduct of clinical trials in oncology, effects of stress on immune and endocrine function.

Marilyn Lanza, DNSc, RN, Associate Chief, Nursing Service for Research, Veteran's Administration Medical Center, Bedford. Violence in health care.

Natalie McClain, PhD, PNP. Child abuse and maltreatment.

Jean Flatley McGuire, PhD, Assistant Secretary, Executive Office of Health and Human Services, Commonwealth of Massachusetts. Prevention and treatment of HIV/AIDS, public health policy, international collaboration to improve the systems for HIV prevention and care.

Joanne O'Sullivan, PhD, APRN, BC, FNP, Nurse Scientist/Researcher, Surgical Programs, Children's Hospital Boston. Health behaviors in adolescent populations, adolescent compliance and substance abuse.