

Biographical Sketch
HOLLY B. JIMISON, PhD
Northeastern University

A. PROFESSIONAL PREPARATION

University of Illinois, Urbana, IL, USA	Mathematics	BS, 1973
Stanford University, Stanford, CA, USA	Medical Information Sciences	PhD, 1990

B. APPOINTMENTS

2013- present Professor of Practice, College of Computer & Information Science and School of Nursing – Northeastern University

2005- 2013 Associate Professor, Medical Informatics & Clinical Epidemiology – Oregon Health & Science University (OHSU)

2003-2005 Asst Professor, Medical Informatics & Clinical Epidemiology – OHSU

2000-2003 Medical Informatics Investigator – Kaiser Permanente Center for Health Research, Portland, OR

1999-2003 Adjunct Associate Professor, Public Health & Preventive Medicine, and Medical Informatics – OHSU

1999-2000 Research Scientist – WebMD

1997-1999 Asst Professor, Public Health & Preventive Medicine, and Medical Informatics – OHSU

1997-1998 Director, Clinical Systems Design – Caresoft, Inc.

1992-1997 Director, Informed Patient Decisions Group/Assistant Professor Public Health/Preventive Medicine and Medical Informatics – OHSU

1990-1991 Research Associate – Stanford University / Carnegie Mellon University

1990-1991 Academic Program Coordinator, Health Services Research – Stanford University

1973-1986 Medical Research Engineer – Hewlett-Packard Laboratories

C. PRODUCTS

i) Five Related Products

1. **Jimison HB**, Klein KA, Marcoe JL, A socialization intervention in remote health coaching for older adults in the home. Proc IEEE Eng Med Biol Soc. 2013;2013:7025-8.
2. Pavel, M; **Jimison, HB**; Wactlar, HD; Hayes, TL; Barkis, W; Skapik, J; Kaye, J, The role of technology and engineering models in transforming healthcare IEEE Reviews in Biomedical Engineering,;6:156-177, (2013)
3. Rivera DE, **Jimison HB**, Systems modeling of behavior change: two illustrations from optimized interventions for improved health outcomes. IEEE Pulse 2013 Nov; 4(6):41-7.
4. **Jimison H**, Gorman P, Woods S, Nygren P, Walker M, Norris S, Hersh W. Barriers and Drivers of Health Information Technology Use for the Elderly, Chronically Ill, and Underserved. Evidence Report/Technology Assessment No. 175 (Prepared by the Oregon Evidence-based Practice Center under Contract No. 290-02-0024). AHRQ Publication No. 09-E004. Rockville, MD: Agency for Healthcare Research and Quality. November 2008.
5. **Jimison, HB** and Pavel, M. Integrating Computer-Based Health Coaching into Elder Home Care, Technology and Aging, eds. Mihailidis, A., Boger, J., Kautz, H., and Normie, L., IOS Press, Amsterdam, The Netherlands, 2008.

ii) Five Other Significant Products

1. **Jimison HB** and Pavel M, A Utility and Context Based Framework for Addressing the Machine Learning Challenges of Detecting Rare but Important Clinical Events, *Advances in Neural Information Processing Systems 23* edited by J. Lafferty and C. K. I. Williams and J. Shawe-Taylor and R.S. Zemel and A. Culotta (2010).
2. **Jimison HB**, McKanna J, Ambert K, Hagler S, Hatt WJ, Pavel M, Models of Cognitive Performance Based on Home Monitoring Data, IEEE Engineering in Medicine and Biology Conference. Buenos Aires, Argentina. September 2010.

3. Pavel M, **Jimison H**, Hayes T, Larimer N, Hagler S, Vimegon Y, Leen T, Ozertem U, Optimizing Medication Reminders Using a Decision-Theoretic Framework. In: Medinfo 2010: Proceedings of the 15th World Congress on Health (Medical) Informatics. Cape Town, South Africa. September 2010.
4. Pavel M, **Jimison H**, Hayes T, Kaye J, Dishman E, Wild K, and Williams D, Continuous, Unobtrusive Monitoring for the Assessment of Cognitive Function, Handbook of Cognitive Aging: Interdisciplinary Perspectives, eds. Hofer, S and Alwin, D., Sage Publications, Inc., Thousand Oaks, CA, 2008.
5. **Jimison, HB**, Pavel, M, Larimer, N, Mullen, P. A General Architecture for Computer Based Health Coaching. Proceedings of the International Conference on Technology & Aging, Toronto, 2007.

D. SYNERGISTIC ACTIVITIES

- **Society memberships:** Fellow of the American College of Medical Informatics; American Medical Informatics Association; Alzheimer's Association, Technology Professional Interest Area; Oregon Chapter of the ACM Special Interest Group on Computer-Human Interaction; Health Information Management Systems Society; IEEE Engineering in Medicine and Biology; Society for Medical Decision Making
- **Service:** Director, Consortium on Technology for Proactive Care, Northeastern University (2013 – present); Technology Advisor, Office of Behavioral & Social Science Research, National Institutes of Health (2011-2013); Member of the Executive Board of the Oregon Center on Aging & Technology; Member of the Scientific Program for the American Medical Informatics Association – 2004; President of the Oregon Chapter of the Health Information Management Systems Society (2000-2002); Member of the Science Panel on Evaluation of Interactive Technologies for Consumer Health Information (Sponsored by the Office for Disease Prevention and Health Promotion); Technology Assessments for the Oregon Health Plan; Member of the Oregon Consortium on Consumer Health; Book Review Editor for the Medical Decision Making Journal (Editorial Board) 1995-1998; Program Chair for Society for Medical Decision Making national conference in 1999; Technology member of the National Institute for Mental Health's SBIR Review Panel; Journal Reviewer for Medical Care, American Medical Informatics Association, Medical Decision Making, American Journal of Preventive Medicine