

Department of Systems Engineering and Engineering Management

Seminar Series

Yale Program on Aging: Prevention of Falls, Functional Decline, and More

Dr. Terrence E. MURPHY

Assistant Professor of Medicine (Geriatrics)
Yale School of Medicine, USA

Date	30 August 2016 (Tuesday)
Time	10:30am - 11:30am
Venue	G5316, 5/F, AC1

Abstract

The Yale Program on Aging (YPOA) is a multidisciplinary research program within the Section of Geriatrics at the Yale School of Medicine in the city of New Haven, state of Connecticut, in the northeastern U.S. Medical researchers from geriatrics, pulmonology, biostatistics and other disciplines work to delay the onset and progression of the deleterious medical consequences of the human aging process. We will present a detailed examination of fall prevention, which is arguably the hallmark of the YPOA. We will also review several important studies of functional decline based on data from the Precipitating Events Project. Finally, we describe a number of methodological techniques that have been used to make longitudinal analysis more useful to policy makers and providers of healthcare. Our findings and procedures have value throughout the world population, which is globally challenged to manage the burgeoning community of older persons who require increasingly higher amounts of resources from state and national healthcare funders and providers.

About the Speaker

Dr. Murphy is a member of the biostatistics staff of the Program on Aging. With twelve years' experience in the design and manufacture of clinical instrumentation

and advanced training in engineering statistics, he is interested in the application of engineering tools to research on aging. Current areas of investigation include multivariate statistics for characterization of multiple co-morbidity, robust design techniques for assessing the tradeoffs of multiple medication use, and the use of hierarchical models, propensity scores, and Bayesian techniques to enhance the analysis of non-randomized interventional designs such as the fall-related utilization of healthcare services by older persons in the state of Connecticut.

Enquiry: 3442 2147

All are Welcome!

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