



American Statistical Association Mid-Michigan Chapter

The Chapter is pleased to announce its 2016 fall meeting. Our Keynote speaker is Professor Karan Singh, University of Alabama at Birmingham, Birmingham, Alabama.



Karan Singh is a Professor in the Department of Medicine's Division of Preventive Medicine, University of Alabama at Birmingham (UAB), and Director of Biostatistics and Bioinformatics at the UAB Comprehensive Cancer Center (CCC). He is a senior scientist at the UAB CCC, the Comprehensive Center for Healthy Aging, the Center for Outcomes and Effectiveness Research and Education, the Minority Health and Health Disparities Research Center, and the Center for Exercise Medicine. He has over 25 years of experience in collaborating with investigators in inter- and multi-disciplinary and translational research on many NIH funded research projects. His research interests include longitudinal data analysis, cancer and multi-state disease modeling, survival methodology, clinical trials, health disparities research, and health services methodological research. Dr. Singh is an elected fellow of the American Statistical Association (ASA) and the Modeling and Simulation Society of Australia and New Zealand (MSSANZ). He is also an elected member of the International Statistical Institute (ISI) and, a member of the American Society of Clinical Oncology (ASCO). He serves on the NCI Gynecologic Cancer Steering Committee (GCSC). Dr. Singh is an editor or associate editor, serving on the editorial boards of various scientific journals.

Thursday, November 03, 2016, 7:00 – 8:30 pm

Chapter business meeting and presentation

Social hour & meeting to elect new officers for 2017-2018: **7:00 – 7:30 pm**

Presentation: **7:30 – 8:30 pm**

Location: **Central Michigan University, Pearce Hall, Room 138**

Title of presentation: **Statistical Considerations in Clinical Research Studies**

Abstract:

Investigators conducting research at clinical research centers often ask statisticians, “Does new intervention work? Or can we get something equivalent to the existing one just as effective and more economical?”

Statisticians help clinical researchers design studies, help to choose what data to collect, analyze data from experiments, help interpret the results of the study, and collaborate in writing manuscripts to describe the results. Nearly all clinical research studies involve statistician from beginning to end. Statisticians help researchers make sense of the data collected to decide whether an intervention is working or to find factors that may contribute significantly to outcomes.

In this presentation we present statistical considerations for a research study from beginning to end using practical examples. We hope that it will enhance the understanding of the role a statistician plays in an investigation conducted at a research center.

Chapter web address: <http://asa.mth.cmich.edu/>