

Substance Abuse and Mental Health Services Administration
Minority Fellowship Program
American Nurses Association
Silver Spring, MD

2005
Winter Institute
Quantitative Research Theory and Statistical Methods

Case Western Reserve University
Intercontinental Hotel at the Cleveland Clinic Foundation
Cleveland, Ohio
December 17-18

The 2005 Substance Abuse and Mental Health Services Administration's (SAMHSA) Minority Fellowship Program (MFP) 2005 Winter Institute, "Advanced Quantitative Research Theory and Statistical Methods," will convene on December 17-18. For two days, MFP Fellows and Alumni will be focusing on strengthening and expanding their research knowledge and skills in quantitative research theory and statistical methods. This Institute is designed to help Fellows and Alumni galvanize their knowledge about research theory and statistical methods.

This Quantitative Research Theory and Statistical Methods Institute will focus on essential theory and practice issues as related to concepts of advanced multivariate statistical analyses such as multivariate repeated measures analysis of variance, logistic regression, survival analysis, and analysis of frequency.

OBJECTIVES OF THE WINTER INSTITUTE

At the end of the Winter Institute, the Fellows and Alumni will be able to:

1. Articulate the SAMHSA mission, and its principles and priorities within the context of prevention and treatment of substance abuse and mental health disorders.
2. Apply advanced multivariate procedures for statistical analysis, design, and modeling to selected research questions.
3. Develop statistical designs and analyses plans for selected research questions.
4. Critique data analyses in current research publications.
5. Present individual theoretical and practice goals that will be accomplished by July, 2006 that address one or two of the stated objectives for the 2005 Winter Institute.

TIMELINE

Friday: Group Dinner and Orientation to the Winter Institute

Saturday: Winter Institute session from 7:00 a.m. to 7:00 p.m.

Sunday: Winter Institute session from 7:00 a.m. to 2:00 p.m.

Shima Van departs for Hopkins International Airport at 2:30 p.m.

FACULTY

Faye A. Gary, EdD, RN, FAAN is the Executive Program Consultant/Director of the SAMHSA Minority Fellowship Program at the American Nurses Association (ANA) and the Medical Mutual of Ohio Professor of Nursing for Vulnerable and At-Risk Persons at Case Western Reserve University. She serves on various national and international boards and committees, including the National Advisory Council of the National Institute of Mental Health, National Institutes of Health. Dr. Gary is a specialist in child and family psychiatric nursing. She has published extensively in the areas of Attention Deficit and Hyperactivity Disorders, violence in intimate relationships, cultural competence, and community mental health. Professionals from across the global community have sought her expertise in substance abuse and mental health disorders research and practice.

Doris Hill, PhD, RN, Post doctoral Fellow, College of Medicine, University of Minnesota, Duluth. Dr. Hill's research focus is in violence in intimate relationships. Her dissertation research focused on violence in American Indians communities. She is also known for her expertise in cultural diversity and health policy, particularly as they are related to nursing and healthcare. She is a member of the MFP Class of 2005.

Ezra C. Holston, PhD, RN, Assistant Professor, University of California, Los Angeles, School of Nursing. He is a basic research scientist who specializes in the genetics and electrophysiology in Alzheimer's disease among African American elders. His other areas of expertise include psychopharmacology and pathophysiology. Dr. Holston is a MFP Fellow, and a member of the Class of 2003.

Hossein N. Yarandi, PhD, is a Professor in the Center for Health Research, Wayne State University. He has extensive experience in interdisciplinary research and teaching. For more than two decades, he has taught statistics, economics, biostatistics, and program evaluation in the colleges of medicine, nursing, and pharmacy at the University of Florida, Gainesville. His teaching and consultation extends across several continents, and he has worked with lay and professional learners. Dr. Yarandi publishes in a variety of research, clinical, and health policy journals.

TEACHING METHODS

- Lectures
- Small Work Groups
- Individual Reflection
- Homework Assignments
- Open Group Discussions
- Power Point Presentations
- Informal Discussion
- Individual and Small Group Consultation

WINTER INSTITUTE ESSENTIALS

- Laptop computer
- SPSS Versions 12, 13
- Microsoft Word, Version 2002 or above
- SAS, optional
- Manuals I & II (Yarandi & Gary 2004, 2005)
- Additional lecture materials will be provided during the Winter Institute

ATTIRE

Comfortable clothing and shoes are recommended. The workdays will be extensive and intensive. An extensive indoor skywalk system can be used for walking and exercising. Please be alert to this information as you plan your travel wardrobe for the 2005 Winter Institute.

FOOD, REFRESHMENTS, AND BREAKS

Breakfast, lunch, and dinner will be provided by the Institute and are official “working sessions.” On Saturday and Sunday mornings, breakfast will be available from 6:30am to 7:30am. The working lunch hour will begin at 12:30 pm; the group dinner will be served at 7:30 pm. All meals will be served at the Intercontinental Hotel. Refreshments will be available during all sessions. Fifteen-minute breaks are scheduled to occur every two hours for the duration of the Institute. Other breaks will be determined by individual discretion and as needed.

HOTEL CHECK INS AND OUTS

When you check into the hotel, please ask the staff person for the packet that will be on hand at the desk for you to retrieve. The packet will contain a copy of the agenda for the Winter Institute and instructions about how to locate the conference room where we will convene. It will also contain the additional learning materials that have been prepared specifically for you. We have negotiated a late check out for all Fellows on Sunday which is extended until 2:00pm. Please have your luggage out of the room by check out time and, if needed, and request storage with the Shima Transport Company staff.

TRANSPORTATION

The Shima Company will be responsible for transportation. Upon your arrival at the airport on Friday, please retrieve your luggage, remain in the baggage area, and look for a sign that reads, **“Welcome MFP Fellows.”** The sign will be conspicuously displayed by the Shima staff person, who will assist you with your luggage and transport you to the Intercontinental Hotel. The Shima Van will depart from the International Continental Hotel on Sunday for Hopkins International Airport at 2:30pm.

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Minority Fellowship Program

2005 Winter Institute

Quantitative Methods in Research

Case Western Reserve University

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December 17-18

Friday December 16 7:00 pm 7:30-9:30	Session 1 Greetings and Remarks Presentation of New Fellows Acknowledgement of SAMHSA Fellows Overview of the 2005 Winter Institute Reception and Dinner, Intercontinental Hotel Reflections and Career Projections
Saturday December 17 7:30-12:30 12:00- 2:00 (Lunch) 2:15-6:00 6: 00-7:00 7:30-9:30 9:30-10:30	Session 2 Multivariate Repeated Measures Analysis of Variance and Covariance Matching Research Questions with Statistical Methods Logistic Regression, Odds Ratio, Relative Risk, Survival Analysis, Cox Regression Model, and Hazard Ratio Small Group Discussion: Statistical Work Groups Dinner at the Intercontinental Hotel Reflections and Projections Individual Consultation
Sunday, December 18 8:00-12:00 12:00-12:30 (Lunch) 12:30-2:15	Session 3 Analysis of Frequency (Tests of Independence and Homogeneity), Fisher and McNemar Tests, and Nonparametric Statistics Small Group Discussion Statistical Work Group Presentation

2:30

Shima Transport Van departs for Hopkins International Airport: Bag Lunches for all Fellows and Faculty will be available on the Shima Transport Van

SAFE JOURNEY HOME

Happy Holidays To You And Yours

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