



**MARIMAC  
INSIGHT**  
Clinical Research and Analytics

## GRACE EMILY MACALINO, Ph.D., MPH

### EXECUTIVE SUMMARY

Over 25 years of clinical research experience as an epidemiologist at the senior leadership level. An agile, flexible professional who has operated in academic, non-profit, NIH, and military settings. Demonstrated expertise in communicating to broad medical audiences including regulators, patients, funders, providers, and opinion leaders in the scientific community. Able to effectively drive multi-project programs. A seasoned program manager of multi-site studies and inter-disciplinary teams spanning multiple countries. Earned reputation for data analytics and extracting high-impact insights.

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5305 Village Center Drive, Suite 165 Columbia, MD 20144 • 410-314-9477 • [grace@marim.ac](mailto:grace@marim.ac)

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### CAPABILITIES

**Core competencies:** Successful grant proposal, technical operational, and manuscript writing • Research project design and implementation of multi-site studies • Project management • Analytical problem solving and Data analytics • Developing strategic plans • Clinical research operations standardization

**Research expertise:** Survey and Qualitative Research Methods • Design and interpret analysis plans • Socio-behavioral research • Community engagement • Surveillance • Infectious disease related methods

**Interpersonal skills:** Entrepreneurial leader • Inspires and motivates others • Communicates powerfully and effectively • Builds relationships, collaboration and teamwork • Trains and develops staff and collaborators

### PRINCIPAL INVESTIGATOR

Responsible for end-to-end study management from design, through funding and Institutional Review Board approval, to final publication.

#### GONOCOCCAL (GC) RESISTANCE AND REPOSITORY STUDY

Multi-site cross-sectional surveillance and research study assessing gonococcal resistance and associated risk correlates among U.S. military personnel and overseas at-risk civilian populations. Created and maintained Department of Defense (DoD) GC resistance and repository reference laboratory, providing quality control for clinical lab partners (2011-2017)

- Obtained external DoD multi-year funding: \$680K per year over 4 years
- Developed sexual risk behavior survey with methodology to ensure confidentiality and collect risk behaviors prior to the Repeal of Don't Ask Don't Tell
- Created Coordinating Center to establish data and lab standards and practices across 5 international and 6 U.S. sites
- Developed new collaborations with 15 military treatment facilities (national and international) to create a robust STI clinical site network

## SOCIAL NETWORKS STUDY

Cross-sectional study to identify racial differences in social networks among DoD beneficiaries and to identify social network patterns as they relate to sexual risk behaviors and STIs **(2014-2017)**

- Developed, piloted and oversaw the programming of computer assisted self-interview on social networks, including domains such as a 90 day sexual inventory, social norms, and social support
- Recruiting participants from 6 military treatment facilities

## STI EPIDEMIOLOGY IN THE HIV NATURAL HISTORY STUDY

Secondary data analysis protocol to evaluate sexually transmitted infections (STIs) among HIV seropositive active duty members and their beneficiaries that are part of the longstanding DoD cohort (HIV Natural History Study) **(2011-2017)**

- Wrote and supported the analysis and writing of over 15 manuscripts related to sexually transmitted infections among HIV-infected DoD beneficiaries

## ACCESS TO HIV/HCV PREVENTION AFTER SYRINGE LAW CHANGE (SAPPHIRE)

NIH funded grant to study health disparities in the implementation of a recent syringe deregulation law in Rhode Island, where a prescription was previously required to purchase syringes in a pharmacy. Mixed methods study (qualitative and quantitative methods)—studies included a secret shopper survey, ethnographic qualitative interviews of black, white, and Hispanic injection drug users from black, white and Hispanic neighborhoods, and a pharmacist survey. **(2001-2006)**

- NIH NIDA funded R-01, \$250,000/year for 5 years
- Obtained a minority supplement grant (\$80,000/year for 3 years) for a trainee to receive health disparities research experience

## RHODE ISLAND PRISON STUDY

Longitudinal study to identify the intake prevalence and intra-prison transmission of HIV, HBV, and HCV at the Rhode Island Department of Corrections (RI-DOC) **(1995-2000)**

- CDC funding. \$355,000/year for 5 years
- Strategic partnerships formed with the RI-DOC, community based organizations for re-entry, and local prison advocacy groups

## DIRECTLY OBSERVED THERAPY (DOT) OF HIV

An NIH funded clinical trial to identify the impact of directly observed therapy of once daily HIV highly active antiretroviral therapy among substance users. **(2000-2006)**

- NIH R-01 NIDA funding (\$350K/5 years)
- Partnered with Healthcare for the Homeless and the Rhode Island Department of Corrections to insure a continuity of care and follow-up
- Developed standardized algorithms for DOT in a high-risk population

## **HIGHLIGHTED PROJECTS AS Co-INVESTIGATOR (3 of 14)**

### FROM GRASSROOTS TO TREETOPS: BARBERS, HAIR STYLISTS, AND SALONS

Multi-funded health promotion programs on various disease outcomes (cardiovascular disease, prostate, cervical, and breast cancer, HIV, and incarceration) to outreach to communities of color in non-traditional settings such as beauty salons and barber shops **(2007-2009)**

## ADULTERANTS, DRUGS, CO-INGESTANTS AND ASSOCIATED HIV RISKS

An MSM focused study to determine the prevalence of club drug use and associated HIV risks, using venue based sampling and novel recruitment strategies *(2005-2010)*

## AIDS LINKED TO THE INTRAVENOUS EXPERIENCE (ALIVE) Study

Directed and oversaw operations for a cohort study that began in 1988 evaluating HIV in injection drug users (n=3000), with a budget of over \$1 million/year. *(1995-1999)*

## EMPLOYMENT

- 2009-2017 **Director and Associate Professor, STI Research Area** Infectious Disease Clinical Research Program (IDCRP), Uniformed Services University of the Health Sciences (USUHS), *Rockville, MD*
- 2012-2017 **Director, Clinical Research Operations**, IDCRP *Rockville, MD*  
Managed all aspects of clinical research development and data collection, adherence to protocols and determining study completion across 7 different Infectious Disease Research Areas (Acute Respiratory, Skin and Soft Tissue, Trauma, Travel, and Emerging Infectious Diseases)
- 2009-2012 **Deputy Director, HIV/STI**, IDCRP *Rockville, MD*
- 2007-2009 **Deputy Director**, Arthur Ashe Institute for Urban Health *Brooklyn, NY*  
Responsible for overall management of operations, research, and programs. Planned, wrote and oversaw Institute grants program, including federal (NIH, CDC, HRSA), city, state, and foundation funding related to HIV/AIDS and health disparities. Assisted with long term planning strategies, research agenda, and budgeting to further the mission of the Institute to impact health disparities in urban, inner city communities.
- 2006-2007 **Director, Center for Health Disparities Research Institute for Clinical Research and Health Policy Studies**, Tufts New England Medical Center *Boston, MA*
- 2004-2007 **Associate Director, Clinical Research Faculty Development Center**, Tufts New England Medical Center, *Boston, MA*  
Taught, mentored, and trained junior and senior faculty in concept development, study design, writing and grant submissions, including foundation, local/state, and NIH funding
- 2000-2004 **Assistant Professor**, Department of Community Health, Brown University, *Providence, RI*
- 1991-1995 **Research Associate**, Anderson Orthopedic Research Institute, *Arlington, VA*
- 1988-1989 **Research Assistant**, Cornell University Medical School, Pharmacology Dept, *New York, NY*

## EDUCATION

- 1995-2000     **Doctor of Philosophy, Department of Epidemiology, Infectious Disease Track**  
*The Johns Hopkins University Bloomberg School of Hygiene and Public Health, Baltimore, MD*
- 1990-1991     **Masters of Public Health**  
*George Washington University, Washington, D.C.*  
Focus in Occupational/Environmental Health
- 1989-1990     **Masters of Science, Physiology**  
*Georgetown University, Washington, D.C.*
- 1984-1988     **Bachelor of Arts, Honors and Distinction**  
*University of Pennsylvania, Philadelphia, PA*  
Major: History and Sociology of Science, Minor: Chemistry
- 1980-1984     **NY Regents High School Diploma**  
*Stuyvesant High School, New York, NY*

## GRANT FUNDING OBTAINED

Secured over \$4.9 million in DoD funding in the past 7 years  
See Appendix for complete list

## PAPERS IN PEER-REVIEWED JOURNALS

First and last authored as well as contributed to 66 journal articles and 4 book chapters  
See Appendix for complete list

## NATIONAL AND INTERNATIONAL CONFERENCE PRESENTATIONS

Peer reviewed and invited 76 presentations at national and international conferences  
See Appendix for complete list