

**University of Miami Graduate Programs in Public Health  
Self-Study Document Table of Contents**

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## Glossary

### A

AARP- Association of American Retired Persons  
 ABC for Health- Advocacy and Benefits Counseling for Health  
 ACGME- Accreditation Council for Graduate Medical Education  
 ACME- Accreditation Commission for Midwifery Education  
 ADA – Americans with Disabilities Act  
 AHA- American Heart Association  
 AMA- American Medical Association  
 AMA-MSS- American Medical Association Medical Student Section  
 AMC- American Medical Contribution  
 AMSA- American Medical Student Association  
 ANOVA- Analysis of Variance  
 APHA- American Public Health Association  
 APT- Appointments, Promotion and Tenure  
 ARNP- Advanced Registered Nurse Practitioner  
 ASPH- Association of Schools of Public Health  
 AYUDA- American Youth Understanding Diabetes Abroad

### B

BCCC- Biostatistics Collaboration and Consulting Core  
 BIOSIS- Basic Input-Output System  
 BRIDGES- Bringing Research in Diabetes to Global Environments and Systems  
 BSFT- Brief Strategic Family Therapy  
 BSPH- Bachelor's of Science in Public Health  
 BST- Biostatistics

### C

CABs- Community Advisory Boards  
 CBPR- Community-Based Participatory Research  
 CDC- Centers for Disease Control  
 CDC-NPCR- Center for Disease Control and Prevention National Program for Cancer Registries  
 CEO- Chief Executive officer  
 CEPH- Council on Education for Public Health  
 CFAR- Center for AIDS Research  
 CFO- Chief Financial officer  
 CFS- Center of Family Studies Building  
 Florida CHAIN- Florida Community Health Action Information Network  
 CINHALL- Cumulative Index to Nursing and Allied Health Literature  
 CITI- Collaborative Institutional Training Initiative  
 CMA- Christian Medical Association  
 COI- Conflict of Interest  
 CPH- Certified in Public Health  
 CRA- Clinical Research Associate  
 CRB- Clinical Research Building  
 CTSI- Clinical and Translational Science Institute

CV- Curriculum Vitae

**D**

DCO- Disparities and Community Outreach Core  
DDS- Doctor of Dental Surgery  
DO- Doctor of Osteopathic Medicine  
DOCS- Department of Community Service  
DPP- Diabetes Prevention Program  
DrPH- Doctor of Public Health  
DVR- Division of Veterinary Resources

**E**

EdD- Doctor of Education  
ELAM- Executive Leadership in Academic Medicine  
EO/AA- Equal opportunity/affirmative action  
EPA- Environmental Protection Agency  
EPH- Epidemiology and Public Health  
EPI- Epidemiology  
ETS- Educational Testing Service

**F**

FAVACA- Florida Association for Volunteers Action in the Caribbean and Central America  
FCDS- Florida Cancer Data System  
FIU- Florida International University  
Florida SAFE Inc. - Florida Stay Alive From Education Inc.  
FMII- Family Motivational Interviewing Intervention  
FPHI- Florida Public Health Institute  
FTE- Full Time Equivalent  
FY- Fiscal Year

**G**

GEPC- Graduate Executive Policy Committee  
GMAT- Graduate Management Admissions Test  
GPA- Grade Point Average  
GRE- Graduate Record Examination  
GRECC- Geriatrics, Research, Education and Clinical Center

**H**

HARC- Healthy Aging Regional Collaborative  
HBCUs- Historically Black Colleges and Universities  
HC- Head count  
HCHS/SOL- Hispanic Community Health Study/ Study of Latinos  
HIP- Health Information Project, Inc.  
HIPAA- Health Insurance Portability and Accountability Act  
HIV- Human Immunodeficiency Virus  
HPV- Human Papilloma Virus  
HR- Human Resources  
HRSA- Health Resources and Services Administration

**I**

ICD-O-3- International Classification of Diseases Oncology 3<sup>rd</sup> edition  
 ICEMR- International Centers for Excellence for Malaria Research  
 ICMR- Indian Council of Medical Research  
 ICR- Indirect Cost revenue  
 IDC- Indirect Cost  
 IDF- International Diabetes Federation  
 IELTS- International English Testing System  
 IES- Institute of Education Sciences  
 IMAG- Integrative Medical Advisory Group  
 IRB- Institutional Review Board  
 ISS- International Student and Scholar Services  
 IT- Information Technologies

**J**

JD- Juris Doctorate  
 JMH- Jackson Memorial Hospital  
 JWI- Jay Weiss Institute for Health Equity

**K**

KSU- King Saud University

**L**

LCME- Liaison Committee on Medical Education  
 LDN- Licensed Dietician/Nutritionist  
 LDTC- Learning Disabilities Teacher Consultant  
 LGBT- Lesbian Gay Bisexual Transgender  
 LMHC- Licensed Mental Health Counselor  
 LNHI- Latinos for National Health Insurance  
 LSAT- Law School Admissions Test

**M**

M.Arch- Master of Architecture  
 MA- Master of Arts  
 MAIA- Master of Arts in International Administration  
 MBA- Master of Business Administration  
 MBBS- *Medicinae Baccalaureus, Baccalaureus Chirurgiae* (Bachelor of Medicine, Bachelor of Surgery)  
 MCAT- Medical College Admissions Test  
 MD/MPH- Medical Degree/Master of Public Health  
 MDCHD- Miami-Dade County Health Department  
 MDFT- Multidimensional Family Therapy  
 MPA- Master of Public Administration  
 MPH- Master of Public Health  
 MS- Master of Science  
 MSFC- Medical Students for Choice  
 MEd- Master of Science in Education

MSN- Master of Science in Nursing  
 MSOM- Miller School of Medicine  
 MSPH- Master of Science in Public Health  
 MSW- Master of Social Work  
 MTH- Mathematics  
 MUJER- Men and Women United in Justice Education and Reform

## **N**

NAACCR- North American Association of Central Cancer Registries  
 NAGPS- National Association of Graduate Professional Students  
 NBPHE- National Board of Public Health Examiners  
 NCI- National Cancer Institute  
 NCSS/PASS- Number Cruncher Statistical System/Power Analysis and Sample Size  
 NEI- National Eye Institute  
 NGOs- Non-Governmental Organizations  
 NHLBI- National Heart, Lung and Blood Institute  
 NIA- National Institute on Aging  
 NIAAA- National Institute of Alcohol Abuse and Alcoholism  
 NIAID- National Institute of Allergy and Infectious Disease  
 NIAMS- National Institute of Arthritis and Musculoskeletal and Skin Diseases  
 NIDA- National Institute of Drug Abuse  
 NIEH- National Institute of Environmental Health  
 NIEHS- National Institute of Environmental Health Sciences  
 NIGMS- National Institute of General Medical Sciences  
 NIH- National Institutes of Health  
 NIMH- National Institute of Mental Health  
 NIOSH ERC- National Institute of Occupational Safety and Health Education and Research Centers

## **O**

OEG- Ocular Epidemiology Group  
 OFAS- Office of Financial Services  
 OGPS – Office of Graduate and Postdoctoral Studies

## **P**

PAH- Polycyclic aromatic hydrocarbons  
 PAHO- Pan American Health Organization  
 PAP- Papanicolau Building  
 PhD- Doctor of Philosophy  
 PHR- Physicians for Human Rights  
 PHSA- Public Health Student Association  
 PI – Principal Investigator  
 Prenatal C.A.R.E. program- Prenatal Collaboration Allows Real Empowerment Program  
 Project SHARE- Sharing HIV/AIDS Research Efforts  
 PsyD- Doctor of Psychology

## **Q**

**R**

RCR- Responsible Conduct of Research

RMC-WO- Recovery Management Checkups for Women Offenders

RN- Registered Nurse

**S**

SACM- Saudi Arabian Cultural Mission

SACS- Southeaster Association of Colleges and Schools

SAFE- Stay Alive from Education

SAS- Statistical Analysis System

SEEDS- Scientists and Engineers Expanding Diversity and Success

SFR- Student/faculty ratio

SMS- Science Made Sensible

SOPHAS- Schools of Public Health Application Service

SPARK- Students Promoting Action, Responsibility, and Knowledge

SPSS- Statistical Package for the Social Sciences

**T**

TEAC- Teacher Accreditation Council

TEPINET- Training Programs in Epidemiology and Public Health Intervention Network

TOEFL- Test of English as a Foreign Language

**U**

UM- University of Miami

UMHC- University of Miami Hospital and Clinics

UMMSOM- University of Miami Miller School of Medicine

UMORG- University of Miami Occupational Research Group

USAID- United States Agency for International Development

**V**

VA- Veterans Administration Hospital

**W**

WHO- World Health Organization

WIAM- Women in Academic Medicine

WIC- Women, Infant and Children

**X****Y****Z**

### Criterion 3.0

#### Creation, Application and Advancement of Knowledge

**3.1. Research.** The Program shall pursue an active research program, consistent with its mission, through which its faculty and students contribute to the knowledge base of the public health disciplines, including research directed at improving the practice of public health.

*a. Description of the program's research activities, including policies, procedures and practices that support research and scholarly activities.*

The Graduate Programs in Public Health is situated within one of the most productive research departments at the Miller School of Medicine. Relative to our peers, we ranked 6 out of 50 in departments of public health in the 2012 Blue Ridge rankings for NIH federal fiscal year 2012. The work of the department is reflected in the Program's strategic goal *to foster an environment in which students and faculty collaborate on scientific investigations which address public health issues, with an emphasis on vulnerable and underserved populations*. The research portfolio demonstrates a breadth of key public health issues that span the five core areas of public health knowledge.

Our research program is structured around the interests and expertise of individual faculty members who initiate ideas, develop ideas into grant submissions, procure funding, and undertake the research. Research findings are disseminated widely through publications in prestigious peer-reviewed journals and presentations at national and international scientific meetings. Additionally, implications from this public health research are brought into the classroom setting. Relevant findings are also disseminated widely to applicable communities engaged in the research. Regulations and guidelines of the sponsoring agency and the University of Miami dictate the conduct of research.

#### UM Policies and Procedures Supporting Research and Publication

##### **Allegations of Misconduct in Research:**

[https://uresearch.miami.edu/site/clients/UMOR/user\\_all/4/doc/umscientificmisconductpolicy.2008.pdf](https://uresearch.miami.edu/site/clients/UMOR/user_all/4/doc/umscientificmisconductpolicy.2008.pdf) As directed by the Vice Provost for Research, the University of Miami investigates and resolves allegations of research misconduct. Research misconduct includes fabrication, falsification, and plagiarism of research.

##### **Animal Research:** <http://uresearch.miami.edu/default.asp?p=189>

The Division of Veterinary Resources (DVR) is the unit responsible for oversight and implementation of the animal care and use program. The mission of the DVR is to advance knowledge and improve the health and wellbeing of humans and animals through excellent service, support, research and teaching.

**Authorship:** <http://uresearch.miami.edu/>

Authorship should be based on 1) substantial contributions to conception and design of research, or to the gathering, analysis or interpretation of data; 2) drafting the article or reviewing it for intellectual content; and 3) approval of the final version to be published. Authors should meet each of the three criteria.

**Conflict of Interest:** <http://uresearch.miami.edu/?p=173>

To comply with federal regulations, all University of Miami faculty, staff, and trainees who work on research must complete the CITI training module on Conflict of Interest and make their COI disclosure in the electronic Disclosure Profile System. Faculty disclosures are available on the home page of the Miller School of Medicine, [www.med.miami.edu](http://www.med.miami.edu).

**Export Compliance:** <http://uresearch.miami.edu/?p=401>

No University of Miami associate may engage in any activity that is prohibited by the U.S. Department of Commerce, the U.S. Department of State, the U.S. Department of Treasury's Office of Foreign Assets Control, or any other government agency with export governance. No University personnel may transfer any controlled item, including technology and technical data, without approved documentation from the appropriate governing agency.

**HIPAA Compliance:**

<http://privacyoffice.med.miami.edu/employees/policies-forms>

All members of the University of Miami workforce are bound by a commitment to preserve the privacy and confidentiality of our patients' health information. This commitment means full compliance with all applicable state and federal laws securing the privacy of health information, most notably the Health Insurance Portability and Accountability Act of 1996 (HIPAA). Anyone who comes in contact with patient health information as part of their research must become familiar with the University's policies and procedures for the handling of health information.

**Institutional Review Board:**

[https://eprostat.med.miami.edu/eProstat/Rooms/DisplayPages/LayoutInitial?Container=com.webridge.entity.Entity\[OID\[5C3E6DF4AA49DF408616C9B82E714D46\]\]](https://eprostat.med.miami.edu/eProstat/Rooms/DisplayPages/LayoutInitial?Container=com.webridge.entity.Entity[OID[5C3E6DF4AA49DF408616C9B82E714D46]])

The University of Miami Institutional Review Boards (IRBs) review all human subject research conducted under the auspices of the University of Miami. The University IRBs also serve as the IRB of record for the Jackson Health System. The function of the IRBs is to ensure adherence to all federal, state, local and institutional regulations concerning the protection of human subjects in research. All human subject research conducted by faculty, staff and students of the University and Jackson Health System must receive IRB review and approval prior to commencement.

**Patent and Copyright Royalties:** <http://uresearch.miami.edu/default.asp?p=359>

As governed by the University of Miami Faculty Manual's Patent and Copyright Policy, the University of Miami Patent and Copyright Committee is the governing body for all matters



pertaining to patents and copyrights. University members are required to disclose discoveries and inventions, and, as outlined in the policy, the university has certain ownership rights.

**Responsible Conduct of Research:** <http://www.miami.edu/index.php/ethics/projects/rcr/>

The internationally renowned Ethics Program coordinates instruction in the Responsible Conduct of Research (RCR) at the university. RCR training is required by the Department of Public Health Sciences for all affiliates who may be involved in research, regardless of their funding source(s). RCR education consists of online training via the Collaborative Institutional Training Initiative (CITI) and various face-to-face class options. In addition, all researchers within the Department of Public Health Sciences are encouraged to attend an in-house seminar entitled *Good Research Practice*, led by Dr. Roberto Dominguez, who holds a voluntary appointment in the Department of Public Health Sciences. The Ethics Program houses a WHO Collaborating Center in Ethics and Global Health Policy, [www.miami.edu/index.php/ethics/projects/WHO](http://www.miami.edu/index.php/ethics/projects/WHO). The Ethics Director, Dr. Kenneth Goodman, is considered an expert in several fields relative to our department: epidemiology, biomedical informatics and use of health service information in research.

#### Expected Effort in Research

All tenure and tenure-track faculty are expected to engage in research pertinent to their discipline. This expectation is quantified in the department's salary compensation policy which states that faculty members are expected to cover 100% of their salary from a combination of research, teaching, administration and service. Extramural funding often covers approximately 60% of the total effort. The funded research expectations for junior faculty recruits vary, but are typically lowered for the first three years until they have an opportunity to develop independent funded programs of research.

#### Research Administration

The administration of research programs is conducted through several offices on campus.

**Vice Provost for Research:** <http://uresearch.miami.edu/>

The Vice Provost is the Institutional Official overseeing the University's investigation and resolution of research misconduct.

**Office of Research Administration:** <http://www.miami.edu/finance/index.php/ora>

The university-wide Office of Research Administration ensures that the research community receives professional, customer-oriented administrative support, and that extramural sponsors are assured funds are managed properly.

#### **Miller School Office of Research, Research Education and Innovative Medicine:**

Under the leadership of an Executive Dean, this office facilitates and supports all facets of clinical, discovery, behavioral and translational research on the medical school campus.

Included under this office is a shared service for pre and post award activities.

### **Departmental Research Administration**

In May 2012, as a result of university restructuring, the Miller School of Medicine implemented a shared service for pre and post award administration for all faculty members, including those in the Department of Public Health Sciences. Prior to that date, a well-trained team within the department provided all support to our investigators. Many members of our departmental team were selected to join the shared service and continue to provide support to our faculty. The first year of shared services has been a year of adjustments, but faculty continued to submit proposals to federal and non-federal sponsors. In Fall 2013, the Department of Public Health Sciences returned to the previous model with pre and post award staff within the department.

*b. Description of current research activities undertaken in collaboration with local, state, national or international health agencies and community-based organizations. Formal research agreements with such agencies should be identified.*

### Community-Based Lifestyle Modification Program

Funded by the Health Foundation of South Florida, a sixteen-week integrated physical activity and nutrition program was implemented in South Miami (Kendall), partnering University researchers with the Dave and Mary Alper Jewish Community Center. Through this program, a selected network of physicians referred at-risk patients to the cognitive behavioral program. One hundred thirty five physically inactive, overweight adults enrolled in the program that focused on empowering participants to make lifestyle changes through behavior changes. Topics covered in the program included developing social support networks for being physically active, eating healthy, overcoming barriers to being physically active and consuming fruits and vegetables, and goal setting. Dr. Mark Stoutenberg, Research Assistant Professor in the Department of Public Health Sciences, is the principal investigator for this research program.

### Clinical and Translational Science Institute (CTSI):

Founded in 2012 and led by Dr. José Szapocznik, the Clinical and Translational Science Institute (CTSI) drives research translation into evidence-based clinical and community practices which improve the health of South Florida's diverse population. The CTSI makes significant contributions in minority health and health disparities and in training underrepresented minorities in clinical, translational, and community-engaged research. It includes community collaborators such as the Health Foundation of South Florida, the Children's Trust, Health Choice Network of Florida, Health Council of South Florida, Miami-Dade Area Health Education Center and Miami-Dade County Health Department. Other department faculty involved in the CTSI include Dr. Erin Kobetz-Kerman and Dr. Olveen Carrasquillo (Disparities and Community Outreach leadership), Dr. Sunil Rao and Dr. Shari Messinger (Biostatistics Research Support) and Dr. Margaret Byrne (lead evaluator).

### Economic Evaluation of Recovery Management for Women Offenders

Dr. Kathryn McCollister, Associate Professor in the Department of Public Health Sciences, leads several research projects of economic evaluation in addiction research funded by the National Institute of Drug Abuse (NIDA). Current research includes a study of economic evaluation of recovery management checkups for female offenders. Women offenders are of special concern because they are a rapidly growing subpopulation among all offenders and because they are vulnerable to numerous forces that carry a high personal and social cost, including substance abuse relapse, co-occurring psychiatric disorders, criminal recidivism, and HIV and other sexually transmitted infections. The study is conducted in collaboration with Chestnut Health Systems, Inc.

### Environmental Health

Dr. John Beier, Professor in the Department of Public Health Sciences, specializes in the epidemiology and control of vector-borne diseases in developing countries, and works extensively in the Middle East, Africa, and the Latin America-Caribbean region. Current research, funded by the National Institute of Allergy and Infectious Disease (NIAID) and the National Institute of General Medical Sciences (NIGMS), and in collaboration with the International Centers of Excellence for Malaria Research (ICEMR), involves field and laboratory studies on malaria, vector biology and control, the West Nile Virus and the Rift Valley Fever virus.

The research of Dr. Naresh Kumar, Associate Professor in the Department of Public Health Sciences, examines how micro and macro level socio-physical and bio-chemical characteristics affect health and well-being, and how changes in these characteristics through policy intervention can improve and protect public health. Current research on air quality regulation and health takes place in Delhi, India in collaboration with the Indian Council of Medical Research (ICMR), Jawaharlal Nehru University, the Indian Institute of Technology, and the Environmental Protection Agency (EPA). Funded by the National Institute of Environmental Health (NIEH), the research examines the effectiveness of air quality interventions and air pollution redistribution. Deteriorating air quality, increase in the concentration of aerosols (from fossil fuel burning) and respiratory health have important implications for public health and local climate change.

Dr. Scott Brown, Research Assistant Professor works with Dean Elizabeth Plater-Zyberk in the School of Architecture on a HUD-funded research study examining the relationship of built-environment “walkability” characteristics like land-use mix, parks, and transit in relation to obesity and related chronic health outcomes and health care costs among 750,000 Medicare/Medicaid beneficiaries in Miami-Dade County, Florida. A related National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) funded study to José Szapocznik examines the relationship of built environment walkability to Hispanic immigrants' physical activity and progression on metabolic syndrome indicators.

### Familias Unidas

*Familias Unidas*, funded by the National Institute on Drug Abuse (NIDA), is a Hispanic-specific, family-based preventive intervention program designed to prevent problem behaviors by improving family functioning (e.g., parent-adolescent communication, family support) among Hispanic youth 12-17 years of age. *Familias Unidas* is the only behavioral intervention program designed specifically for Hispanic adolescents and their families that has been shown to be efficacious in preventing and reducing smoking, illicit drug use, externalizing behavior problems, and unsafe sexual behavior. The Program is led by Dr. Guillermo Prado and Dr. Hilda Pantin in collaboration with the Miami-Dade County Public School System.

### Fecal Immunochemical Test (FIT)

The FIT is a colorectal research project which relies on community health workers who distribute a Fecal Immunochemical Test (FIT), a stool based screening test for early detection and prevention of disease. This approach takes FIT from the clinic to the community, and provides average risk individuals, with limited access to health promotion, the opportunity to engage in colorectal cancer screening. All individuals who test positive for FIT are navigated to timely and appropriate follow up care. Drs. Olveen Carrasquillo and Erin Kobetz-Kerman lead this initiative. This research is supported by the Florida Department of Health.

### Geriatrics, Research, Education and Clinical Center (GRECC)

Dr. Hermes Florez is the Director of the GRECC at the Miami Veterans Affairs Healthcare System. GRECCs provide care to the aging Veteran population, while simultaneously training many of the healthcare professionals who will provide that care for years to come. Since 1991, the Miami GRECC has been serving elderly Veterans in south Florida with services including home care programs like tele-health, long term care with culture change, geriatric musculoskeletal disorders, especially osteoporosis and falls, geriatric endocrinology and adult-onset diabetes, palliative care, geriatric primary care, geriatric evaluation and management. The associated geriatric medicine fellowship programs emphasize competency-based approaches to care for frail elders.

### HIV/AIDS Surveillance Program

The HIV/AIDS Surveillance Program, housed in the Department of Public Health Sciences, is a joint venture with the UMMSOM, Jackson Memorial Medical Center (Public Health Trust), and the Bureau of HIV/AIDS of the Florida Department of Health. Program staff are responsible for compliance with State of Florida mandated HIV reporting requirements, fulfilling this task for all physician practitioners and clinical laboratories at the University of Miami Hospitals and Clinics (including Bascom Palmer Eye Institute) and Jackson Memorial Hospital (JMH). Dr. Clyde B. McCoy, Professor, and Ms. Carolyn Senk head these efforts.

#### Miami Center for AIDS Research (CFAR)

The Miami CFAR's mission is to advance HIV/AIDS research by providing scientific leadership and developing an infrastructure that fosters integration of basic and clinical sciences including behavioral/social sciences, promote education and mentorship, and partner with the community to prevent, treat and cure HIV/AIDS. Through the Behavioral Sciences and Community Outreach Core, directed by Dr. Guillermo Prado in the Department of Public Health Sciences, University researchers partner with the Miami Dade County Health Department, to reduce new HIV infections, link people living with HIV to care and treatment, reduce HIV-related health disparities, and achieve a more coordinate national response to the domestic HIV epidemic.

#### Role of Culture in Thriving and Risk Behavior in Hispanic Adolescents

The role of culture in thriving and risk behavior in Hispanic adolescents is a three-year, multi-site longitudinal cohort study, led by Dr. Seth Schwartz, Associate Professor in the Department of Public Health Sciences. With support from the National Institute of Drug Abuse (NIDA), this study is designed to identify the extent to which parent-adolescent acculturation gaps, perceptions of discrimination, and perceptions of an unequal opportunity structure in the United States are predictive of drug/alcohol use and precocious/unsafe sexual behavior among recently immigrated Hispanic adolescents in Miami-Dade and Los Angeles counties. Data are being collected and used to inform the Miami-Dade and Los Angeles County school boards regarding the health of their recently immigrated Hispanic students. Results will also be used to support the design of acculturation-based interventions for Hispanic adolescents and their families.

#### South Florida Center to Reduce Cancer Health Disparities (SUCCESS)

This center is funded by the National Cancer Institute to address disparity in cervical cancer, grounded in the tenets of community-based participatory research (CBPR) and translational in orientation. Researchers are examining three different methods of cervical cancer screenings to determine which of them most encourages women to engage in adequate cervical cancer screening. Community Health Workers (CHWs), indigenous to the target communities, are paired with a self-sampling device that enables women to test for Human Papillomavirus (HPV), the principal cause of cervical cancer, in the privacy of their own homes. Prior to this study, most initiatives incorporating self-sampling were clinic based, limiting the potential impact of this innovation to women without structural, cultural or access barriers to disease prevention. All participants who test positive for HPV are navigated to timely and appropriate follow up care. Drs. Erin Kobetz-Kerman and Olveen Carrasquillo lead this center.

#### The Florida Cancer Data System (FCDS)

The Florida Cancer Data System (FCDS) is Florida's legislatively mandated, population-based, statewide cancer registry. The FCDS is a joint project of the Florida Department of Health and the UMMSOM. Florida Statute 385.202 requires that every Florida licensed hospital and outpatient facility report each patient admitted for cancer treatment to the Department of Health. The State and its partners utilize the FCDS to monitor the occurrence of cancer incidence and mortality, to

aid in research studies to reduce cancer morbidity and mortality, to focus cancer control activities, and to address public questions and concerns regarding cancer. Annually, over 150,000 cases are collected from patient medical records. The FCDS is part of the Centers for Disease Control and Prevention National Program of Cancer Registries (CDC-NPCR) and is nationally certified by the North American Association of Central Cancer Registries (NAACCR) at its highest level, gold certification. Dr. David Lee, Professor, serves as the Dissemination and Research Director of the FCDS, and he works with other scientists interested in accessing the Registry data. He also performs funded research using Registry data. Doctoral and master's students in the Graduate Programs have also accessed the Registry for public health research projects.

#### The Florida Node Alliance

The Florida Node Alliance (FNA) of the National Drug Abuse Treatment Clinical Trials Network is housed at the UMMSOM under the leadership of Drs. José Szapocznik and Viviana Horigian. The FNA is a research platform allowing UM scientists to partner with community-based treatment providers to develop, validate, and implement clinical trials that are practical, innovative, and relevant to drug abuse treatment in multiple and diverse community settings. The charge of the FNA is to support the National Drug Abuse's initiative of bringing a range of health settings into the delivery of evidence-based services for substance using individuals and providing a broad reaching research infrastructure. The FNA represents a collaborative of scientists and practitioners from programs involved in drug and alcohol treatment and research from a variety of treatment settings and patient populations, representing diverse geographic and regional representations that allow great variety and generalizability in types of studies conducted. The Node has considerable expertise in: 1) adolescent and family treatment, 2) treatment for HIV/AIDS populations, 3) aggressive engagement of drug abusers into treatment, 4) psychopharmacological treatment and comorbid conditions, 5) health economics, 6) E technology. The Node has a special interest and expertise with Spanish speaking populations both in the US and abroad. Through bidirectional, translational partnerships among community based providers and scientists the FNA supports the development and implementation of clinical trials that are practical and relevant to drug abuse treatment in multiple and diverse community settings.

#### The Hispanic Community Health Study/Study of Latinos (HCHS/SOL)

The Hispanic Community Health Study/Study of Latinos (HCHS/SOL) is a multi-center epidemiologic study in Hispanic/Latino populations to determine the role of acculturation in the prevalence and development of disease, and to identify risk factors playing a protective or harmful role in Hispanics/Latinos. The study is sponsored by the National Heart, Lung, and Blood Institute (NHLBI) and six other institutes, centers, and offices of the National Institutes of Health (NIH). The target population of 16,000 persons of Hispanic/Latino origin, specifically Cuban, Puerto Rican, Mexican, and Central/South American, is recruited through four field centers affiliated with San Diego State University, Northwestern University in Chicago, Albert Einstein College of Medicine in the Bronx area of New York, and the University of Miami. Each

of the field centers has an extensive community education and outreach component. Dr. David Lee currently serves as the Co-Principal Investigator for the HCHS Miami field center. Data from this national study has supported research experiences for masters and doctoral students in the Graduate Programs.

#### The Ocular Epidemiology Group (OEG)

The Ocular Epidemiology Group (OEG) is a team of researchers interested in documenting the epidemiology of ocular diseases and the consequences of these conditions. This multidisciplinary team is headed by Drs. David Lee and Byron Lam, who have collaborated over 15 years to study the epidemiology of sensory impairment using a number of community-based surveys and vision population health studies supported by grants from the National Eye Institute (NEI) and the Centers for Disease Control and Prevention (CDC). In addition, the OEG supports graduate students, including MSPH students in the Department of Public Health Sciences.

#### The Occupational Research Group (UMORG)

Dr. David J. Lee, Professor in the Department of Public Health Sciences and Dr. Lora E. Fleming, Professor Emeritus co-founded the University of Miami Occupational Research Group (UMORG) with the support of the UMMSOM in 2002. Support for this research team includes grants and contracts from the National Institute on Occupational Safety and Health, the National Institute on Aging, the National Institute on Arthritis and Musculoskeletal and Skin Diseases and the Florida Department of Health. Housed within the Department of Public Health Sciences, this interdisciplinary research group focuses on health disparities associated with occupation for the US worker. In addition, the ORG supports graduate students, including PhD candidates in Epidemiology, in research and training activities, such as data analyses and manuscript writing. Furthermore, the ORG has been proactive in recruiting minority students in order to train the next generation of occupational health epidemiologists with a strong emphasis on the reduction of occupational health disparities at the population-level.

#### Treatment Research on Adolescent Drug Abuse

Research on adolescent drug abuse has been undertaken over the past 30 years in the University of Miami and has resulted in the development of internationally recognized evidence-based intervention strategies. Research continues in the Department of Public Health Sciences in two broad areas:

*Family Intervention for Teen Drinking and Alcohol-Related Crises:* This randomized trial, funded by the National Institute of Alcohol Abuse and Alcoholism (NIAAA), tests two family interventions for adolescent alcohol problems, the Multidimensional Family Therapy (MDFT) and a Family Motivational Interviewing Intervention (FMII), with adolescents presenting with alcohol-related crises in the emergency department of Jackson Memorial Hospital, as well as in juvenile justice system settings. The comparison treatments are provided by community-based treatment

providers (Concept Health Systems). In addition to investigating clinical outcomes, the study examines mediators of treatment effects and includes an economic evaluation of the interventions. Dr. Cynthia Rowe, Associate Professor in the Department of Public Health Sciences, is the principal investigator for this research.

*Juvenile Offender HIV Prevention and Drug Abuse Services:* This innovative study, funded by the National Institute of Drug Abuse (NIDA), examines an integrative family-based intervention with juvenile offenders receiving day treatment services as part of juvenile justice system probation or continuing release requirements. University researchers collaborate with juvenile justice providers to obtain referrals and deliver the day treatment interventions. Dr. Howard Liddle, Professor in the Department of Public Health Sciences, is the principal investigator for this research.

*c. A list of current research activity of all primary and secondary faculty identified in Criteria 4.1.a and 4.1.b, including amount and source of funds, for each of the last three years. These data must be presented in table format and include at least the following: a) principal investigator and faculty member's role (if not PI), b) project name, c) period of funding, d) source of funding, e) amount of total award, f) amount of current year's award, g) whether research is community based and h) whether research provides for student involvement. Distinguish projects attributed to primary faculty from those attributed to other faculty by using bold text, color or shading. Only research funding should be reported here; extramural funding for service or training grants should be reported in Template 3.2.2 (funded service) and Template 3.3.1 (funded training/workforce development). See CEPH Data Template 3.1.1.*

Utilizing the faculty lists generated in Criterion 4.1, a complete research portfolio is included in Table 3.1.c, in the resource files under research.

*d. Identification of measures by which the program may evaluate the success of its research activities, along with data regarding the program's performance against those measures for each of the last three years. For example, programs may track dollar amounts of research funding, significance of findings (e.g., citation references), extent of research translation (e.g., adoption by policy or statute), dissemination (e.g., publications in peer-reviewed publications, presentations at professional meetings) and other indicators. See CEPH Outcome Measures Template.*

A table summarizing the success of the Graduate Program's research activities can be found in Table 3.1.d, below. The source of the data is included within the parentheses.

<b>Table 3.1.d: Research Activity Measurable Objectives</b>				
<b>Measure</b>	<b>Target</b>	<b>2010 - 11</b>	<b>2011 - 12</b>	<b>2012 - 13</b>
Total Department Awards (ORA)	N/A	\$27,429,696	\$22,573,810	\$13,597,329



UMMSOM NIH Ranking (Blue Ridge)	Top 40	41	39	38
Number of grant submissions in department (RRS)	60	77	73	56
Department grant expenditures (direct costs in 000s) (RRS)	N/A	\$19,909	\$18,101	\$14,189
Department's NIH ranking within schools of medicine (Blue Ridge)	Top 5	7	6	8
% of primary faculty as PI (CVs)	60%	53%	74%	63%
% of department faculty as PI (ORA)	50%	51%	63%	45%
# publications by primary faculty (PubMed)	150	135	140	164
# publications by department faculty (PubMed)	200	224	220	199
Average number of presentations per primary faculty member	5 per faculty member	6.8	6.5	5.4
Average number of presentations per department faculty member	5 per faculty member	4.8	4.6	4.5

### Research Translation Adoption by Policy or Statute

#### The Florida Needle Exchange Initiative

The Florida Needle Exchange Initiative is a grassroots campaign aimed at convincing state lawmakers to reduce the spread of HIV/AIDS, hepatitis, and other blood-borne diseases by allowing the transfer of clean needles and syringes to people who inject illegal drugs. This initiative was inspired by a 2011 study published by a recent MPH graduate and current Miller Medical student, Hansel Tookes. Mr. Tookes found that on the streets of Miami, which have the highest rates of new HIV cases, there were eight times the number of discarded used needles than on the streets of San Francisco, a city with twice the estimated number of injection drug users. San Francisco has a well-established needle exchange program, and Miami does not.

Under the guidance of Dr. José Szapocznik, Mr. Tookes and his initiative co-founders garnered significant legislature support for two bills that would have authorized a needle exchange pilot program in Miami-Dade. The bills died in the waning days of the 2013 legislative session because of lack of law enforcement support. Work continues with law enforcement chiefs and legislators.

#### Trauma Mortality Reporting to the State of Florida

Robert van Haren, MD, is currently pursuing his MPH degree while completing a post-doctoral trauma fellowship with the Department of Surgery/Ryder Trauma Center. Dr. van Haren's first author plenary paper in the Journal of Trauma and Acute Care Surgery (2012, V73, 6:1510-1514) has resulted in reporting modifications for mortalities. The Ryder Trauma Center has modified reporting of mortalities with hospital intervention to the Florida Department of Health.

<p><i>e. Description of student involvement in research.</i></p>
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Numerous opportunities exist for students to be actively involved in all aspects of research, as students, UM employees and as faculty assistants. All MSPH students and all doctoral students are involved in research as part of their degree program, as described in Criterion 2.9.c. During their program of study, e epidemiology doctoral students are expected to author or co-author published articles in peer-reviewed journals. The MPH students' research experience is less intense than their MSPH and doctoral colleagues because their focus is toward a practice orientation. Nevertheless, many MPH students engage in research through research assistantships, practicum experiences and volunteer work, all of which contribute to their career development.

In addition, some epidemiology doctoral students retain their full time professional research positions while they work towards their degree. These students enrich the classroom and out-of-class experience for all students by sharing their involvement with ongoing projects. Examples include Don Parris, an Outcomes Research Administrator with Baptist Health and Dr. Sylvia Munoz-Price, an Associate Professor of Clinical Medicine and the Medical Director of the

Infection Control Department, Jackson Memorial Hospital, who conducts extensive research in infectious disease hospital epidemiology.

A complete list of epidemiology doctoral student publications for 2010 – 2013 is provided in the resource files under research.

There is a commitment within our faculty to allow students the opportunity to engage in research, co-author manuscripts and present research at professional meetings. Faculty members from the Department of Public Health Sciences have employed master's students as research assistants and research associates, providing students with active roles in their funded research projects. Master's students have also served as volunteers with faculty research groups. Table 3.1.e, in the resource files under research, highlights the vast areas of research available to students and lists examples of master's students in public health who have served as research assistants, research associates or volunteers during their public health studies.

Students are encouraged to present their research at local, national and international meetings and conferences, including the American Public Health Association (APHA) annual meeting. A complete list of student presentations (poster and oral) for the APHA annual meetings in 2010 – 2013 is in the resource files under student work.

The Graduate Programs in Public Health currently provides travel assistance from the annual operating budget to masters and doctoral students. Awards for the 2010 – 11 academic year went to seven students. Six students received awards in 2011-12 and seven students received awards in 2012-13. All students in the epidemiology, public health and biostatistics programs are eligible to apply for these awards. In addition, students working as research assistants with faculty mentors are often supported for research travel through the faculty member's sponsored funding. Doctoral students with funded fellowships also have the opportunity for conference travel through their own sponsored accounts.

Refer to Table 2.10.b. in the resource files under awards for a list of fellowships awarded to doctoral students.

Students enrolled in the biomedical doctoral programs may apply for the Office of Graduate and Postdoctoral Studies Medical Faculty Association Travel Award, toward student travel to a national or international conference. Student applications are required to demonstrate a secured oral or poster presentation at their select conference. Epidemiology doctoral students have been successful in competing for the Medical Faculty Association Travel Award.

*f. Assessment of the extent to which this criterion is met and an analysis of the program's strengths, weaknesses and plans relating to this criterion.*

This criterion is met.

#### Strengths

- The depth and breadth of the department's research portfolio allows students the option to engage in all aspects of research, which enhances their knowledge and future career advancement.
- Our department is consistently ranked in the top ten NIH-funded departments of public health.

#### Challenges

- Sequestration, dwindling philanthropic support and other downturns in external funding sources have resulted in a decrease in grant funding requiring more effort on the part of the faculty to maintain their programs of research.
- While it can be a challenge to balance the research and academic programs as a department within a medical school, we have found that our research program greatly enhances the students' overall experience.

#### Plans

- The Department of Public Health Sciences has launched a major fundraising campaign under the guidance of a nationally experienced expert in development. Faculty and students will benefit from this campaign which will provide support for maintaining faculty programs of research.
- Leverage medical school resources devoted to the development of high quality, interdisciplinary grant proposals as they become available.

### Criterion 3.0

#### Creation, Application and Advancement of Knowledge

**3.2. Service.** The program shall pursue active service activities, consistent with its mission, through which faculty and students contribute to the advancement of public health practice.

*a. Description of the program's service activities, including policies, procedures and practices that support service. If the program has formal contracts or agreements with external agencies, these should be noted.*

Providing service to the academic community and contributing to the practice of public health are key elements of the program's mission and goals. As stated in Criterion 1.1, the service goals of the program are:

- *To engage with communities, professionals, leaders and others as partners in improving the health of populations, including the most vulnerable and underserved*
- *To create public health educational opportunities for public health and health professionals and the broader community*

For faculty, service activities can include participating on professional and academic committees, providing instruction in continuing education courses, contributing to public health practice through consultation, technical assistance, expert testimony or advisory board membership, through community service, and delivering public health training through funded grants, contracts and agreements.

Program resources, including the expertise of its faculty, are regularly shared with local, state, national and international programs, agencies and organizations. Faculty members are encouraged to devote time to consultation and service to a wide array of public health organizations, and to engage in collaboration with communities through activities outside instruction and research. The Graduate Programs in Public Health benefits from faculty service, by not only meeting the program's obligation and commitment to the community, but by also creating opportunities for student field placement experiences and informing the need for change in the academic programs.

#### Department Sponsored Lecture Series

*Department of Public Health Sciences Grand Rounds:* The Department of Public Health Sciences hosts a monthly Grand Rounds speaker series that is open to faculty, staff, students and community partners. The series serves as a teaching tool for students, and fosters discussion on major public health issues. Each speaker session focuses on key challenges related to a specific public health topic. Local, national and international speakers are invited. Grand Rounds speakers also include faculty from the Department of Public Health Sciences, which provides an

opportunity to highlight the department's work in addressing public health challenges in our own community. Graduate students from public health, epidemiology and biostatistics are provided additional dedicated time with the speakers to further discuss the speaker's career and the public health profession. A complete schedule of Grand Rounds topics and speakers for 2010 – 2013 is available in the resource files under service.

*Distinguished Speaker Series:* In addition to Grand Rounds, which follows a fixed schedule, the Department of Public Health Sciences Chair capitalizes on notable speakers who are visiting South Florida and invites them to present on a public health topic during their visit. The announcements for select participants in this series are detailed in the resource files under service.

*Division of Biostatistics Seminar Series:* In 2010, the Division of Biostatistics began hosting a regular bi-monthly seminar series. Local and national visitors present new findings on biostatistical methods development from a variety of different application areas including genomics, longitudinal data analysis, cancer clinical trials and genetic analysis. Graduate students are provided additional access to seminar speakers to further discuss the research and ask additional questions. All seminars are videotaped (with consent) and posted on the Division of Biostatistics homepage at [www.biostat.med.miami.edu](http://www.biostat.med.miami.edu).

*Biostatistics Clinic/Lunch and Learn Speaker Series:* The Biostatistics Clinics offer education regarding statistical considerations in clinical and translational research, and are open to graduate students and the research community at the University of Miami. The series is meant to enhance the scope of knowledge of statistical methodology and its application to clinical and translational research.

*Biostatistics Roundtable:* The Biostatistics Roundtable is an informal question and answer session about general statistical research issues. A specific topic or short talk is presented with consequent time to discuss issues as a group and/or individually. Investigators are welcome to describe their projects and ask questions, related to the topic presented, for discussion. The roundtable format fosters communication among investigators from different disciplines, and provides biostatisticians and scientists the opportunity to work together as an interdisciplinary team.

#### Service Programs within the Department/School of Medicine

*Biostatistics Collaboration and Consulting Core (BCCC):* The Biostatistics Collaboration and Consulting Core (BCCC), led by Dr. Shari Messinger, within the Division of Biostatistics, Department of Public Health Sciences, offers short and long term collaborative support activities, grant development, and consultations to faculty, staff and students in the UMMSOM and throughout the University. Additional information is available online at

<http://www.biostat.med.miami.edu/core>.

*Clinical and Translational Science Institute (CTSI):* The Clinical and Translational Science Institute (CTSI), led by Dr. José Szapocznik, Chair, Department of Public Health Sciences, drives research translation into evidence-based clinical and community practices which improve the health of South Florida's diverse population. The CTSI makes significant contributions in minority health and health disparities, and in training underrepresented minorities in clinical, translational, and community-engaged research. Dr. Erin Kobetz-Kerman and Dr. Olveen Carrasquillo lead the Disparities and Community Outreach Component of the CTSI. This component is focused on community engagement and cultural diversity. It aims to foster long term participatory research, collaboration with the community and provides advice and training in minority health, health disparities and community-based participatory research. Additional information is available online at <http://miamictsi.org/>.

*Jay Weiss Institute for Health Equity (JWI):* The Jay Weiss Institute for Health Equity (JWI), led by Dr. Erin Kobetz-Kerman, is located at the Sylvester Comprehensive Cancer Center, within the Miller School of Medicine. The center's mission is to make meaningful progress toward health equity. Central components of the JWI mission include training, community partnerships, research and advocacy. The Jay Weiss Institute for Health Equity provides training to faculty, staff and students to address health disparity through research and the provision of community-competent care. The JWI collaborates with a network of community advisory boards from diverse, medically underserved communities across South Florida on extramural-funded research grants, as well as Sylvester Comprehensive Cancer Center funded initiatives to increase knowledge of and access to cancer prevention. Under the mentorship of Dr. Kobetz-Kerman, masters and doctoral students in epidemiology and public health have completed community-based research projects with the Jay Weiss Institute.

*The "What's Up Doc" Community Workshop Program:* "What's Up Doc?" is a series of monthly workshops created to respond to health concerns, which have been identified by Overtown community members and key stakeholders. Overtown has a population that is approximately 20% Hispanic and 75% Black/African-American. The workshops are designed to bring together University of Miami faculty, staff, students, community-based organizations, and community members to exchange ideas and information, foster relationships between health care providers and community members, and improve the health literacy of the Overtown community. By leveraging the resources of the UMMSOM, "What's Up Doc?" creates a forum where community members can engage experts in various fields of medicine and public health. The purpose is to provide access to culturally relevant and reliable health education. Example topics include mental health, diabetes, nutrition, sexual/reproductive health, heart disease, hypertension, and substance abuse. Faculty members from the Graduate Programs in Public Health participate as

experts/speakers, and public health students regularly volunteer with this program.

#### Service Activities through Student Organizations

Public Health students have significant opportunities during their academic program to engage in both academic service and community service. All graduate students are invited to join and participate in community service activities through the Public Health Student Association (PHSA), the primary student organization for the Graduate Programs in Public Health. Additional student-led organizations include national honor societies and local and national student medical associations. Students are encouraged to initiate program-sponsored community service projects that are organized through student organizations, such as the PHSA, and receive financial and administrative support for these efforts.

Regular student service activities include clothing and food drives, providing and serving lunch at the Ronald McDonald House, a community garden project, community health fairs, nutrition/cooking classes with local public schools and targeted events each year for National Public Health Week.

DOCS is a student run not for profit organization endorsed by UMMSOM administration. It brings health screenings and educational services to over 1500 patients with the volunteer service of over 250 medical students, including the MD/MPH students, and 50 physicians. DOCS holds annual health fairs in eight different needy communities in Miami-Dade, Broward and Monroe counties and a free weekly clinic for medically underserved populations. MD/MPH and MPH students participate in the health fairs volunteering to provide health education and assistance to community participants.

#### Service Collaborations with Other Institutions

The Graduate Programs in Public Health has established agreements and arrangements with organizations and agencies related to public health capstone experiences, continuing education, PHSA community service activities and through the MD/MPH program. Formal arrangements for public health capstone experiences include the Miami Dade County Health Department, the Palm Beach County Health Department, the Broward County Health Department, the Centers for Disease Control/ Central American Region, the Cuyahoga County Board of Health (Ohio) and the Fundacion H. A. Barcelo Facultad de Medicina (Buenos Aires, Argentina). Formal agreements for student community service activities through the Public Health Student Association (PHSA) include an agreement with the Overtown Optimist Club, the Community Wellness Coalition and Miami Kitchen Gardens for the community garden, an agreement with the James Wilson Bridges Medical Society for the Overtown Health Fair and an agreement with Booker T. Washington High School for the cooking classes. Through the four year MD/MPH program, the Graduate Programs in Public Health contracts with the Palm Beach County Health Department for a continuing education seminar course and for capstone experiences for dual degree students who work in Palm Beach County for the final two years of medical school. The Department of Public



Health Sciences maintains formal service contracts with the Florida Public Health Institute for education and training in service and policy, Jackson Memorial Hospital for the HIV Surveillance Program and with the South Florida Veterans Administration Foundation for Research and Education (SFVAFRE) for biostatistical research support from select faculty members. A recent agreement with the Universidad Catolica de Santiago de Guayaquil in Ecuador has been put in place to enhance the academic, research and educational activities of both universities.

Healthy Aging Regional Collaborative (HARC)

The Health Foundation of South Florida created the Healthy Aging Regional Collaborative to deal with the more than 800,000 residents of Miami-Dade, Broward and Monroe Counties who are age 60 and over. It aims to increase the region's attention to healthy aging, and to establish an infrastructure capable of offering cost-effective programs and services, which have been proven to improve and maintain the health and quality of life of older adults. They are successfully increasing physical activity levels, preventing injuries from falls, improving chronic disease self-management and better detecting and responding to depression among older adults. Dr. Hermes Florez worked with a team involved in the implementation of evidence-based programs (enhance fitness and chronic disease self-management) in older veterans in Miami-Dade and Broward Counties. The team also led the assessment of patients with diabetes and pre-diabetes in the HARC as part of a HHS/NIH ARRA-funded project.

*b. Description of the emphasis given to community and professional service activities in the promotion and tenure process.*

The Graduate Programs in Public Health reflects an academic culture that values service, and faculty contribute to the Program's service goals. The evaluation of service to the community, the University and the profession is part of the annual faculty review process, as well as the appointment and promotion process. A summary of the promotion and tenure process is described in Criterion 4.2. Promotion or appointment requires that a faculty candidate has exhibited further excellence and continued productivity since initial appointment or promotion to Associate Professor. Professors must have attained widespread recognition in their major areas of success (teaching, research or service). For promotion and tenure, evidence of excellence in performing service responsibilities may include: committee work (including leadership roles within the Department, Miller School of Medicine and University), work on study sections and other peer review committees beyond campus, work including leadership roles in national and international professional organizations, editorial responsibilities, and public health service activities. Faculty community service information is compiled through online faculty surveys initiated by Graduate Programs staff and gathered at the Division level. This information is provided to the Department Chair for further consideration with the full evaluation package for each faculty member.

*c. A list of the program's current service activities, including identification of the community, organization, agency or body for which the service was provided and the nature of the activity, over the last three years. See CEPH Data Template 3.2.1. Projects presented in Criterion 3.1 should not be replicated here without distinction. Funded service activities may be reported in a separate table; see CEPH Data Template 3.2.2. Extramural funding for research or training/continuing education grants should be reported in Template 3.1.1 (research) or Template 3.3.1 (funded workforce development), respectively.*

The Graduate Programs in Public Health faculty are involved in a wide range of community service activities. Table 3.2.c.i, found in the resource files under service, includes a listing of the communities, agencies and programs served by program faculty (consultation, testimony, technical support, board membership, community advisory board service, volunteer work) for the past three years (2010-2013). Faculty community service information is compiled through online faculty surveys initiated by Graduate Programs staff and review of the faculty curriculum vitae (CV). Table 3.2.c.i. does not include faculty service to professional associations, research groups, journals or editorial boards and NIH study sections. Professional/academic service for primary faculty for the past three years is separately reported in Table 3.2.c.ii, below.

<b>Table 3.2.c.ii: Primary Faculty Service Activity, 2010 - 2013</b>			
<b>OUTCOME</b>	<b>2010 - 11</b>	<b>2011 - 12</b>	<b>2012 - 13</b>
Editorial board/editorships/journal manuscript review	94%	83%	84%
Peer review of research (NIH grant reviews/panels/study sections)	53%	67%	54%
Leadership roles in professional organizations	38%	58%	38%

*d. Identification of the measures by which the program may evaluate the success of its service efforts, along with data regarding the program's performance against those measures for each of the last three years. See CEPH Outcome Measures Template.*

The Graduate Programs in Public Health uses a variety of measures by which to judge professional and community service efforts as indicated in Table 3.2.d, below.

<b>Table 3.2.d.: Measures of Service Activity</b>				
<b>OUTCOME</b>	<b>TARGET</b>	<b>2010 - 11</b>	<b>2011 - 12</b>	<b>2012 - 13</b>
Primary faculty completing committee work within the department, school or University	90%	88%	96%	92%

Primary faculty participating in professional service	90%	100%	83%	88%
Primary faculty participating in community service	80%	88%	83%	73%
Public Health Student Association (PHSA) number of events held per year	15 events/structured activities per academic year	17	10	22
Department Grand Rounds Presentations offered per year (held monthly)	10 per academic year	8	12	11

In addition to the service indicators included in Table 3.2.d, faculty members have been recognized for outstanding service. Dr. Erin Kobetz-Kerman received the Health Care Heroes Award from the Greater Miami Chamber of Commerce in 2013. This award recognizes individuals, programs and institutions that have made an extraordinary impact in the South Florida healthcare community and whose acts of heroism represent a display of dedication to excellence in an area of expertise beyond the scope of their profession. Dr. Kobetz-Kerman was selected for this honor for her heroic work in the Little Haiti community. A summary of this award can be found in the resource files under awards.

Erin Kobetz-Kerman, Ph.D., M.P.H., is also the 2013 recipient of the prestigious Jessie Trice Hero Award for her unwavering commitment to improving the lives of underserved and minority populations. Presented by the Health Choice Network of Florida, the award recognizes the tireless advocacy and leadership Dr. Kobetz-Kerman has exemplified for nearly a decade and the difference her efforts have made in many underserved communities in South Florida. A summary of this award can be found in the resource files under awards.

*e. Description of student involvement in service, outside of those activities associated with the required practice experience and previously described in Criterion 2.4.*

Students enrolled in the Graduate Programs in Public Health maintain a strong organized individual and group service effort. Students are involved in community and professional service through a variety of program, school and University initiatives. In addition, as highlighted in Criterion 1.5, graduate students have the opportunity to serve on academic committees within the Graduate Programs in Public Health as student representatives.

#### Student Organizations

For the Graduate Programs in Public Health, the primary student organization is the Public Health

Student Association (PHSA), which was created and launched in Fall 2008. The objectives of PHSA are to facilitate an interactive relationship between faculty, staff, alumni, and students of the Graduate Programs and Department of Public Health Sciences, and to promote student involvement in the program, University, and community through service, programs, and special events. A further objective is to contribute to the education and welfare of public health students in cooperation with public health organizations on a local, state, and national level.

Detailed descriptions for the past three years of PHSA events are provided in the resource files under student public health organization and service. Activities include fundraising events, community service activities, sports/social events and health education activities. In addition to the PHSA, numerous other student organizations foster community service or service to the public health profession including:

- Delta Omega Public Health Honor Society (Beta Sigma chapter)
- American Medical Student Association (AMSA)
- Integrative Medical Advisory Group (IMAG)
- Medical Students for Choice (MS4C)
- MedicOut
- Students Promoting Action, Responsibility, and Knowledge (SPARK)

#### Recognition for Student Service

Each year, two students are recognized for outstanding service by being selected as recipients of the PHSA Outstanding Student Service Award and the Outstanding Public Health Project Award.

- Since 2010, the Public Health Student Association Outstanding Service Award has been awarded to a graduating public health student who has provided outstanding service to the PHSA and student body during their academic program. Students are nominated for this award by the PHSA Executive Board. Recipients include Alberto Caban-Martinez (2010, PhD student), Gabriela Halder (2011, MPH student), Angelica Melillo (2012, MPH student) and Daniella Oriheula (2013, MPH student).
- Since Spring 2013, the Outstanding Public Health Project Award has recognized a graduating student or recent alumnus who has demonstrated a creative approach to solving public health problems. Refer to the resource files under awards for information on the inaugural recipient of this award, Mr. Hansel Tookes, an alumnus of the MPH program and current UMMSOM MD student.

In addition to recognition by the PHSA, public health students have been acknowledged for service by other organizations and agencies including:

- In Spring 2013, the Health Council of South Florida awarded Rammy Assaf (MD/MPH, Class of 2015), an educational scholarship award for his pursuit of a career in primary healthcare in the region and his community service efforts.
- In June 2012, Michael Maguire (MD/MPH, Class of 2015) was awarded the World Health Organization/Duke University Sanford School of Public Policy Global Health Fellowship. This fellowship is awarded to only 18 students each year and allows students to learn firsthand how global health policy is formulated and implemented. Michael was in Geneva for Summer 2012.
- In May 2012, Brigitte Frett (MD/MPH, Class of 2015) was awarded the American Medical Women's Association (AMWA) Anne C. Carter Global Health Fellowship. The two-year fellowship is designed to assist medical students to generate a working knowledge of global health issues and practice, develop leadership skills, and gain health program planning and implementation experience.

*f. Assessment of the extent to which this criterion is met and an analysis of the program's strengths, weaknesses and plans relating to this criterion.*

This criterion is met, though we acknowledge that we need to improve service activity tracking.

#### Strengths

- Despite our relatively small size, three students in the MD/MPH class of 2015 have been recognized by external organizations for their dedication to public health service.
- The drive and focus of our students are evidenced by their participation in PHSA – an organization dedicated to public health service.
- Our well-funded faculty members have numerous service activities embedded in their research.

#### Challenge

- Documentation of public health related community service has historically not been required of faculty as part of the evaluation, promotion and tenure process.

#### Plans

- Implement an annual public health community service faculty survey in academic year 2014.
- Incorporate survey results to inform the Chair's annual evaluation of faculty beginning with the annual evaluation at the end of fiscal year 2014.

**Criterion 3.0****Creation, Application and Advancement of Knowledge**

**3.3. Workforce Development.** The program shall engage in activities other than its offering of degree programs that support the professional development of the public health workforce.

*a. Description of the ways in which the program periodically assesses the continuing education needs of the community or communities it intends to serve. The assessment may include primary or secondary data collection or data sources.*

The Graduate Programs in Public Health regularly seeks the input of community partners and employers in the South Florida community for guidance and input on both workforce development and continuing education needs. For the last year, department leaders and graduate program faculty have engaged with community stakeholders through the University of Miami established Community Advisory Boards (CABs) that support University community-based research projects. These boards include representatives from community-based organizations that provide healthcare services, as well as those who engage in public health planning and program implementation. The CAB members represent diverse interests and expertise, and have extensive experience working in South Florida communities. The primary focus of CABs is to engage community members in order to jointly identify and prioritize community health needs and challenges. The Graduate Programs has engaged these stakeholders to secure feedback on the continuing education needs of those involved in public health activities in South Florida. Currently, there are four CABs representing the diverse communities of Miami, as well as a CAB for the University's Clinical and Translational Science Institute (CTSI).

In 2013, several graduate program faculty members attended regular meetings of these Community Advisory Boards for the purpose of assessing the continuing education needs of CAB board members as key community stakeholders themselves, as well as workers and community members from the communities they represent. The feedback gathered at these meetings is being used to identify and create continuing education opportunities that align the skills and expertise of our faculty with the needs of the community. Two key areas of focus requested were the need for education on disease prevention and on evidence-based practice in public health. Suggested mechanisms to conduct continuing education activities include both community forums, as well as worksite trainings. The preliminary topics discussed include mental health, reduction of risk factors for chronic disease, in particular, diabetes and hypertension, interventions to reduce obesity, women's health, family planning and HPV vaccination.

To refine the list, each CAB will select two priority topics for a total of ten workshops. In addition to our faculty members, Sylvester Comprehensive Cancer Center and Jay Weiss Institute affiliated faculty will create and conduct these continuing education opportunities.

Another source of information regarding the continuing education needs of the community comes from the Health Council of South Florida, a non-profit agency that conducts regional health planning and implementation activities as part of a statewide coalition. The organization produces an annual Community Health Report Card for Miami-Dade County that provides a summary of specific data on key health indicators to be utilized by community leaders for informed decision-making on health policy, healthcare allocations, and program planning implementation and evaluation. By characterizing the leading health issues, the report card provides our program and other training programs in South Florida with a roadmap for areas of focus for continuing education. Through the CTSI CAB, Graduate Programs leadership collaborates with key high-level stakeholders to identify ways to train our community to address these key health indicators.

Additional information regarding CABS can be found in the resource files under Community Advisory Boards.

*b. A list of continuing education programs, other than certificate programs, offered by the program, including number of participants served, for each of the last three years. Those programs offered in a distance-learning format should be identified. See CEPH Data Template 3.3.1 (ie, optional template for funded workforce development activities). Only funded training/continuing education should be reported in Template 3.3.1. Extramural funding for research or service education grants should be reported in Template 3.1.1 (research) or Template 3.2.2 (funded service), respectively.*

Perhaps not in the traditional sense of continuing education, but certainly the beginnings of such a program, faculty have offered several continuing education programs as community-based sessions focused on public health issues. Our department and program faculty provide extensive training and service as part of their funded research. Funded training programs include:

Brief Strategic Family Therapy® (BSFT™)

The Brief Strategic Family Therapy® (BSFT™) Program is a short-term, structured, problem-focused, and practical approach to the treatment of adolescent conduct problems, associations with antisocial peers, drug use and their accompanying maladaptive family interactions. A team of researchers, led by Dr. José Szapocznik in 1972, developed the BSFT™ Program. The BSFT™ Program targets children and adolescents between the ages of 6 and 17 that are displaying or are at-risk for developing behavior problems, including substance abuse, conduct problems and delinquency. The program has been implemented with Hispanic, African-American and white families.

The BSFT™ Program conducts introductory workshops with administrative, supervisory staff, case managers, stakeholders and other interested parties whose presence will support the



implementation of the model following their training. Training to competence includes three 3-day workshops and individual and group therapist supervision (weekly and monthly sessions) for up to 24 weeks. One full-time therapist can provide the BSFT™ Program to 15 to 20 families for in-office sessions and 10 to 12 families for in-home sessions. The typical youth and his/her family are treated to completion in four months. To date, trainings have been conducted in over 40 states in the US and abroad, including South America, Europe, and Australia. Since 2002, the United States Department of Justice and the National Institute on Drug Abuse has endorsed the program in their therapy manuals for drug addiction.

Trained therapists who can implement the program as tested are required for successful replication. The ideal therapist has a master's degree in social work, marriage and family therapy, psychology, or a related field. Training and technical assistance is available through the Brief Strategic Family Therapy® Institute. The Institute provides a broad range of training programs in Miami or will train onsite at agencies around the country and world. Training is tailored to agency needs and populations and offered in English and Spanish. In the past three years, BSFT has conducted 27 workshops to train close to 200 therapists.

#### *Familias Unidas*

Through *Familias Unidas*, a family-based preventive intervention program designed to prevent problem behaviors and improve family functioning, Drs. Guillermo Prado and Hilda Pantin collaborate with the Miami-Dade County Public School System, training school mental health counselors to deliver this evidence-based preventive intervention. Approximately 50 mental health counselors have participated in a one-week training seminar and in twelve clinical supervision meetings. The *Familias Unidas* training consists of skill development in working and engaging families into a HIV evidence-based preventive intervention, joining with difficult adolescents, restructuring family interactions and fostering cohesive group environments.

#### Florida Node Alliance

The Florida Node Alliance, housed in the Department of Public Health Sciences and led by Drs. José Szapocznik and Viviana Horigian, is part of the National Drug Abuse Treatment Clinical Trials Network. The Florida Node Alliance partnered with the National Institute of Psychiatry Ramon de la Fuente in Mexico in 2011, to share the technology and expertise necessary to develop a national clinical trials network and conduct rigorous randomized clinical trials using NIH standards in testing evidence-based treatments for substance abuse in real work treatment agencies. Dr. Horigian, with leaders from the National Institute, together delivered training, coaching and mentoring in all aspects of clinical trials implementation and specific protocol development to a core team at the institute. The Mexican Clinical Trials Unit led the first clinical trial, trained community treatment providers and monitored progress through quality standards set by the NIH. The partnership includes 48 community treatment provider networks. Each of these networks consists of leadership composed of two to four individuals. In addition, there are 10 scientists from

around the country that are a part of the Florida Node Alliance, including scientists at the University of Miami.

#### Project SHARE

*Project SHARE* (Sharing HIV/AIDS Research Efforts) is a collaborative between the Miami-Dade County Health Department Office of HIV/AIDS and the University of Miami Center for AIDS Research. *Project SHARE* is a seminar series with the primary goal of disseminating theory-based HIV prevention intervention strategies that have been demonstrated as effective to the South Florida HIV/AIDS service provider community. A secondary goal of the seminar series is to provide the opportunity for researchers to share their findings, hear the concerns of community providers, and to identify new areas for future research. The project hosts approximately three seminars annually with up to 150 attendees from South Florida (Monroe, Miami-Dade, Broward, and Palm Beach counties).

#### Project Support

*Project Support* is collaboration between the University of Miami Department of Public Health Sciences and community members from a medically underserved area in Miami-Dade County. The primary goal of the project was to create a smoking cessation intervention informed by the community and supported by community members. Community members in Liberty City were trained to moderate support groups to assist smokers with smoking cessation. Support group session topics were identified by the group members. A secondary goal of the project was to create an intervention where community members could own the intervention and continue it without the assistance of university personnel. The project hosted five smoking cessation support groups that ran for eight weeks. The community based survey and intervention involved approximately 220 people in the community. Drs. Noella Dietz and David Lee led this effort.

#### Training Community Health Workers

Through leadership positions with the Jay Weiss Institute for Health Equity and the Disparities and Community Outreach Core (DCO) with Sylvester Comprehensive Cancer Center, Drs. Erin Kobetz-Kerman and Olveen Carrasquillo have trained a cadre of community health workers for study content or health education content. These trained health workers then go out into the community to conduct human subjects research. They are formally employed by local community based organizations including federally qualified health centers and the community at large. Over time, Drs. Kobetz-Kerman and Carrasquillo have trained approximately 30 workers.

Other continuing education, not funded extramurally, includes:

#### Academic Writing

Dr. Mark Stoutenberg, Research Assistant Professor, currently collaborates with the International Diabetes Federation (IDF) through a BRIDGES grant program (Bringing Research in Diabetes to Global Environments and Systems) supporting academic and professional development. As part of

the IDF mission, academic writing workshops are provided in various locations throughout the world. In March of 2013, the University of Miami Department of Public Health Sciences partnered with the IDF in hosting one of these workshops on the Miller Medical campus. Twenty health professionals from various Caribbean and Latin American countries attended the two-day workshop designed to enhance their professional presentation and manuscript writing skills. Additionally, in May 2013, Dr. Stoutenberg, with the assistance of an epidemiology doctoral student, replicated this academic writing workshop with a group of 13 faculty members at the Universidad del Rosario in Bogota, Colombia. Additional workshops are currently being planned for Ibaguè, Colombia and Lima, Peru.

#### Florida Public Health Institute

The Florida Public Health Institute (FPHI) is a freestanding corporation that promotes leadership, partnerships and collaborations to build capacity for strong public health policy, programs, systems and practices. Led by Dr. Roderick King, a faculty member in the Department of Public Health Sciences (and formerly by Dr. Claude Earl Fox who also maintains a department faculty position), the FPHI leverages academic resources to build and sustain a statewide network of educational, community and governmental partners. With the goal to increase participation in the field of public health, the FPHI has sponsored a Master Course for their network of community partners entitled *An Introduction to Applied Public Health*. The series included five courses offered over five weeks and featured current public health issues. Faculty members from the Department of Public Health Sciences had participated annually as presenters in several sessions to groups of approximately 10-15 students.

#### Mindfulness-Based Stress Reduction Training

Scott Rogers, founder of the Mindfulness in Law Program at the University of Miami, conducted a workshop on mindfulness-based stress reduction. A total of five sessions were held between December 2011 and May 2012 in the Department of Public Health Sciences. The sessions provided a background and training in mindfulness techniques to help approximately 15 faculty leaders from both medical education and public health explore possibilities for incorporating mindfulness training into the medical education curriculum.

Scott Rogers also serves as the co-founder of the Mindfulness Research and Practice Initiative, a multidisciplinary academic community of members interested in mindfulness training at the University of Miami. Dr. José Szapocznik, Chairman of the Department of Public Health Sciences, helped lead the UM Mindfulness Initiative. Medical Education continues to explore options for incorporating mindfulness into the medical school curriculum.

*c. Description of the certificate programs or other non-degree offerings of the program, including enrollment data for each of the last three years.*

The Graduate Programs in Public Health offers two non-degree certificate programs, in public

health and global health. Each certificate program consists of five courses, totaling 15 credits. Students can complete a certificate in one academic year. Application requirements include an online application and application fee, a personal statement, a resume/CV, one letter of recommendation and official transcripts/academic record from all previously attended colleges and universities with a recommended GPA of 3.0 or higher. Standardized test scores (e.g., GRE) are not required. To be considered for certificate enrollment (non-degree status), applicants must be a US citizen or permanent resident with an earned undergraduate degree.

The Public Health Certificate Program covers the core content of the Master of Public Health degree program in the areas of epidemiology, biostatistics, environmental health, administration and health education and behavior. The Public Health certificate program provides a foundation in public health training for interested students in other disciplines. Coursework for the public health certificate includes EPH 501 Medical Biostatistics I, EPH 520 Health Education and Behavior, EPH 521 Fundamentals of Epidemiology, EPH 541 Environmental Health and EPH 631 Public Health Administration.

The Global Health Certificate Program provides a focused curriculum on global health topics and health issues that reach beyond national boundaries, with an emphasis on health systems and disease in developing countries. Coursework for the global health certificate includes EPH 501 Medical Biostatistics I, EPH 512 Global Health, EPH 521 Fundamentals of Epidemiology, and then students can select two additional courses based on their global area of interest. Students must select 2 courses from EPH 571 Maternal and Child Health, EPH 514 Global Outbreak Investigations, and EPH 622 Infectious Disease Epidemiology.

The Graduate Programs strategic direction has focused primarily on growth in the public health degree programs. Enrollment in the Public Health and Global Health Certificate Programs has not reached previously stated targets. Both certificates opened for enrollment in 2011, however applications to the programs have been limited in number. A total of 11 applicants have been granted admission for the public health certificate between Spring 2011 – Fall 2012, and two students have entered into the program. One student has completed the certificate (May 2013) and the other student remains enrolled. For the global health certificate, two students have enrolled in the program and are currently completing coursework. The two enrolled students are medical residents at University of Miami/Jackson Memorial Hospital and have been selected for partial scholarship support from the Graduate Programs in Public Health and the Internal Medicine/Pediatrics Residency Program.

In both certificate programs, tuition costs and lack of an online/distance learning option are contributing factors to low enrollment. The Director of Public Health Programs is currently working with several other departments and residency programs within the Miller School of Medicine, who have expressed interest in partially supporting their residents financially, to

expand certificate enrollment and broaden scholarship offerings.

The Public Health and Social Medicine certificate program was removed from the curriculum in 2012 as the social medicine component was not fully developed and the program was never opened for student enrollment. The program was established in collaboration with the University of Miami Jay Weiss Institute for Health Equity, in order to serve the Jay Weiss residents. Recent changes in leadership with the Jay Weiss Center have led to a renewed interest in re-establishing this certificate program. Future opportunities for curriculum development and scholarship enrollment are currently being explored with the Director of Public Health Programs and the leadership of the Jay Weiss Institute.

*d. Description of the program's practices, policies, procedures and evaluation that support continuing education and workforce development strategies.*

In the past five years, the focus of the Graduate Programs in Public Health has been on the growth of the degree programs, and, to a much lesser degree, certificate and non-degree programs. During this period, we have had limited success in supporting continuing education activities. We currently do not have policies and procedures in place for the formal development of continuing education and workforce development strategies. As we move forward with development in these areas, we intend to utilize the Graduate Executive Policy Committee (GEPC) to identify priority growth areas that will be reviewed and approved by the Department Executive Committee, which is ultimately responsible for resource allocation. Once priorities are set then other committees, such as the Curriculum Committee, will be charged with oversight of the development of continuing education offerings.

*e. A list of all other educational institutions or public health practice organizations, if any, with which the program collaborates to offer continuing education.*

In Fall 2013, the Graduate Programs in Public Health, through the MD/MPH program, began offering a lecture/seminar series with the Palm Beach County Health Department. The lecture series is a 3 credit course required for the 3<sup>rd</sup> year MD/MPH students as they begin their first of two years in Palm Beach County. The series was designed in collaboration with the Palm Beach County Health Department to offer additional continuing public health education to their workforce. Each session of the course is held at the Palm Beach County Health Department and scheduled during times that make it possible for medical residents and health department staff to attend.

The course structure is designed as a lecture series, containing eight sessions, occurring monthly. The course is instructor is Dr. Lanetta Jordan, MD, MPH, MSPH, Department of Public Health Sciences.

Lecture topics include:

- Public Health in the Patient Protection and Affordable Care Act
- Grant Writing for Public Health
- Challenges to Translating Public Health Into Practice
- Legal Aid—Making the Case for Humanity
- The Impact of Non-Governmental Organizations (NGOs)
- Putting Public Health in Perspective: Practices for Future Change
- Implementation and Evaluation of Public Health Programs

The Department of Public Health Sciences has a long-standing collaboration with the Pan American Health Organization (PAHO), a regional office of the World Health Organization, for an annual workshop on chronic non-communicable diseases. Led by Dr. Alberto Barcelo, Regional Advisor for Chronic Diseases at PAHO and voluntary Associate Professor with the Department of Public Health Sciences, physicians and experts from Latin America and the Caribbean gather in Miami to focus on strengthening the capacity of care providers and health networks to improve the management of chronic conditions. Faculty members from the Department of Public Health Sciences, including Drs. José Szapocznik, Hermes Florez, David Lee, and Orlando Gomez-Marin, have contributed presentations and lectures for this annual workshop.

*f. Assessment of the extent to which this criterion is met and an analysis of the program's strengths, weaknesses and plans relating to this criterion.*

Aligned with the stage of development of our program, this criterion is partially met.

#### Strength

- University of Miami has established Community Advisory Boards (CABs) to inform university community-based research projects. CAB members are available to our faculty and students to support collaborations for the benefit of the community.

#### Challenges

- Given our goal of expanding both enrollment and the breadth of graduate programs, the decision was made to focus our resources on perfecting and expanding the degree programs to prepare qualified individuals, the primary function of a public health program.
- Our non-degree certificate programs are currently tied to the University of Miami cost-per-credit structure, which often makes them too expensive for non-matriculating participants.

#### Plans

- Establish a continuing education and workforce development training schedule that is responsive to the needs of the four established CABs that represent the diversity of South Florida beginning with offerings during academic year 2015.
- Initiate discussions with the dean of the graduate school in academic year 2015 to create affordable, fixed-price non-degree programs.

