Edmond F. Maes, SM, PhD
emaes@emory.edu
edmond.maes@uga.edu

Education

PhD	1986	University of California Los Angeles, Epidemiology and Biostatistics
SM	1979	Harvard University School of Public Health, Epidemiology
BS	1973	Northeastern University, Psychology

PhD Dissertation: The effect of prenatal care, cesarean delivery, and neonatal intensive care units on the decline in neonatal mortality, Los Angeles County, 1969-80

Professional Interests and Goals:
Develop public health capacity through 1) teaching, design and evaluation of epidemiology training, 2) mentorship of public health professionals on disease investigation and surveillance, 3) applied research in vaccine preventable disease surveillance and program evaluation.

Volunteer activities

2023 – pres.	Online mentor. Abbott Pandemic Defense Coalition Field Epidemiology Training Program Fellowship. https://www.tephinet.org/abbott-pandemic-defense-coalition-apdc-field-epidemiology-training-program-fetp-fellowship
2022 – pres.	Online mentor (ad hoc). Consult and prepare manuscript for publication with Field Epidemiology Training Program fellows

Career Progression

2020 – pres.	Adjunct Professor, Hubert Department of Global Health, Rollins School of Public Health, Emory University (Atlanta, Georgia, USA)
2020 – pres.	Instructor, Department of Epidemiology and Biostatistics, College of Public Health, University of Georgia (Athens, Georgia, USA)
2020 – 2022.	Expert Consultant, Park Dietz & Associates, Inc., Newport Beach, CA
2018 – 2019	Epidemiologist/Deputy Team Lead for Science, CDC, Center for Global Health, Global Immunization Division, Polio Eradication Branch, Africa Team
2014 – 2017	Epidemiologist/Deputy Team Lead, CDC, Center for Global Health, Global Immunization Division, Polio Eradication Branch
2009 – 2014	Director, CDC Office in Republic of Georgia, Global Disease Detection Regional Center, Epidemiology Resident Advisor, Center for Global Health
1999 – 2009	Associate Director for Science, CDC, Office for Global Health, Division of Epidemiology Surveillance Capacity Development
1998 – 1999	Associate Director for Science, CDC, National Immunization Program (NIP), Data Management Division (DMD)
1996 – 1998	Acting Branch Chief, CDC, NIP, DMD
1994 – 1996	Section Chief, CDC, NIP, Immunization Services Division
1990 – 1994	Epidemiologist, CDC, NIP, Epidemiology Surveillance Division
1987 – 1990	Section Chief, CDC, Center for Environmental Health, Division of Environmental Hazards and Health Effects
1985 – 1987	Epidemic Intelligence Service Officer, CDC, Center for Health Promotion, and Education, Division of Reproductive Health

Languages
Spanish (advanced reading, speaking; intermediate writing)
French (advanced reading, intermediate speaking, basic writing)
English (native)

Countries visited for public health consulting or teaching
Latin America: Venezuela, Columbia, Bolivia, Brazil, Chile, Argentina, El Salvador
English-speaking Caribbean: St. Lucia, Trinidad and Tobago
Eastern Europe/Western Asia: Ukraine, Russian Federation, Moldova, Armenia, Azerbaijan, Georgia (5-year residency)
Central Asia: Kazakhstan, Kyrgyz Republic, Uzbekistan, Tajikistan, Turkmenistan
Middle East: Egypt, Jordan, Saudi Arabia, Oman, United Arab Emirates
Asia: India, Laos PDR, Indonesia
Africa: Kenya, Ethiopia, Ghana, Sierra Leone, South Africa, Uganda
Oceania: Guam, Northern Marianas, Micronesia, Fiji, Papua New Guinea, Marshall Islands

Current Positions

2023 – present: Online mentor, Abbott Pandemic Defense Coalition Field Epidemiology Training Program (FETP) Fellowship
Duties and Responsibilities:
Consult on study design and conduct, data analysis, manuscript preparation for publication by FETP fellows in Kazakhstan (Hantavirus); Georgia (Congo Crimean Hemorrhagic Fever).

August 2020 – present: Adjunct Professor, Department of Global Health, Rollins School of Public Health, Emory University (Atlanta, Georgia, USA)
Duties and Responsibilities:
Teach intermediate epidemiology to professionals from US and International health agencies, developed, conducted 2-week training course on epidemiology and prevention of COVID-19.

January 2020 – present: Epidemiology Instructor, Department of Epidemiology and Biostatistics, College of Public Health, University of Georgia (Athens, Georgia, USA)
Duties and Responsibilities:
Teach introductory epidemiology to undergraduate students (descriptive and analytic epidemiology, applied biostatistics), update curriculum and evaluate student performance.

Employment History

January 2018 – December 2019: Epidemiologist/Deputy Team Lead for Science, US Centers for Disease Control and Prevention (CDC), Center for Global Health, Global Immunization Division, Polio Eradication Branch, Africa Team
Duties and Responsibilities:
Provide technical guidance to the Africa Team Lead. Oversee operational research, surveillance data analysis, and mentor Polio Eradication Africa Team members.

- Liaise with WHO and UNICEF colleagues on data analyses; maintain effective working relationships with WHO/UNICEF and Ministry of Health officials.

- Develop comprehensive analysis plans for the data sets available to CDC, including complex data analyses for modeling and projection.
- Provide technical oversight to data collection activities in operational research and innovation projects.
- Provide short-term field support and experienced technical advice for implementation of projects or in support of outbreak investigations, implementation of supplementary immunization activities, and surveillance system evaluation.
- Provide leadership in technical support of WHO regional and country offices, particularly in the African Region, as well as country-level capacity building, in coordination with other teams within GID.
- Participate in WHO/UNICEF activities (EPI reviews, surveillance assessments, data quality assessments, in-country training or other aspects of program implementation) to promote data quality in monitoring programs and surveillance.
- Oversee contractors supporting polio eradication efforts.
- Assist in training activities at GID, WHO, UNICEF or other partners.
- Prepare other reports as required under projects, including to CDC management, WHO and the donor organizations.

September 2014 – December 2017: Epidemiologist/Unit Lead, CDC, Center for Global Health, Global Immunization Division, Polio Eradication Branch, Science Innovation and Research Team, Analysis and Data Management Unit

Duties and Responsibilities:

Oversee the Analysis and Data Management Unit that provides accurate information for the polio response Incident Manager, supports the regional and Strengthening EPI team of the CDC Polio Response, and coordinates analysis and interpretation of data with major partners.

- Liaise with WHO and UNICEF colleagues on data sharing and analyses; maintain effective working relationships with WHO/UNICEF and Ministry of Health officials.
- Provide leadership and guidance for members of the Data Analysis and Management Unit Working in the course of data cleaning, management, and analysis and in producing work plans for members of the Unit.
- Oversee the preparation and completion of quarterly/semiannual comprehensive reports from partners to the Independent Monitoring Board.
- Coordinate with WHO and UNICEF on the regular production of monthly indicators for polio donor agencies and of the quarterly Polio Oversight Board report card.
- Develop comprehensive analysis plans for the data sets available to CDC, including complex data analyses for modeling and projection.
- Serve as principal investigator for operational research including development of an evaluation framework and conducting analysis of quantitative and qualitative data.
- Provide technical oversight to data collection activities in operational research and innovation projects.
- Provide short-term field support and experienced technical advice for implementation of projects or in support of outbreak investigations.
- Provide leadership in technical support of WHO regional offices, particularly the Regional Office for Africa (AFRO) in data management and analysis, as well as country-level capacity building, in line with other teams within GID.
- Participate in WHO/UNICEF activities (EPI reviews, surveillance assessments, data

quality assessments, in-country training or other aspects of program implementation) to promote data quality during collection in monitoring programs and surveillance.
- Serve as technical resource on literature reviews of technical issues, including data analysis and management, and surveillance system evaluations,
- Interface with other teams of the Division and regional staff to promote and implement the linkage between activities.
- Assist in training activities at GID, WHO, UNICEF or other partners.
- Prepare other reports as required under projects, including to CDC management, WHO and the donor organizations

May 2009 – August 2014: Director, CDC Office in Republic of Georgia; Director, Global Disease Detection Regional Center: Epidemiology Resident Advisor, Field Epidemiology Training Program/Center for Global Health, Division of Public Health Systems and Workforce Development--based in Tbilisi, Republic of Georgia

Established and managed the CDC office in the country of Georgia located in the Georgia National Center for Disease Control and Public Health. Expanded activities to establish CDC's 10th Global Disease Detection Regional Center. GDD-Georgia incorporates the South Caucasus Field Epidemiology and Laboratory Training Program, (SC/FELTP) established in 2009, GDD--Emerging Infections Program and GDD--One Health Program established in 2013. Staff included 6 CDC assignees (epidemiologist, 2 medical epidemiologists, veterinary epidemiologist, laboratory scientist, deputy manager) and 3 locally hired Georgian staff.

Duties and Responsibilities:

- Establish and manage the CDC office in the Country of Georgia serve as Director
- Establish and manage the SC/FELTP: an applied epidemiology and laboratory training program for the three South Caucasus countries (Georgia, Armenia, Azerbaijan), and serve as principal epidemiology and statistics instructor and mentor
- Provide expert consultation to Ministries of Health and of Agriculture in Georgia, Armenia, and Azerbaijan related to epidemiology, disease surveillance, disease outbreak investigation, and disease control
- Secured funding of $1.2M to $2.7M annually (2009-13) from federal agencies (DoD/DTRA, DoS/BEP, HHS/OGH) to support CDC Georgia office
- Facilitate disease surveillance and investigation work of CDC short term consultants in the region
- Represent CDC and HHS in the US Embassy in Georgia
- Collaborate with other USG and international partners in strengthening public health capacity in Georgia and the South Caucasus region (Armenia, Azerbaijan)
- Represent CDC with WHO country and regional office, European CDC, USAID, and other US and non-US agencies in public health and disease control in Georgia and the South Caucasus region

Major Accomplishments:

- Established the first CDC office, hosted by the Georgia National Center for Disease Control and Public Health. Hired local staff of three (admin assistant, medical epidemiologist, translator), and four CDC direct hires (deputy, laboratory scientist, medical epidemiologist, veterinarian)
- Established a new FELTP and led the CDC office in Republic of Georgia

- Established 10th CDC Global Disease Detection Regional Center, combining SC/FELTP, International Emerging Infections Program, and One Health Program with financial support of DoD/DTRA
- Developed a 15-week field epidemiology curriculum, translated into Russian, including new elements in laboratory management and veterinary epidemiology
- Graduated three cohorts, totaling 45 professionals (epidemiologists, veterinarians, laboratory managers) from the SC/FELTP in June 2011-2013; recruited and enrolled additional cohorts of 17 participants each in June 2012 and 2013
- SC/FELTP residents had 35 abstracts accepted for poster or oral presentation at international conferences in 2010-2013
- SC/FELTP residents completed 50 evaluations of disease surveillance systems and 40 disease outbreak investigations 2009- 2013
- SC/FELTP residents completed 11 planned studies: sero-survey of animal brucellosis; community-based knowledge, attitudes, and practice (KAP) regarding anthrax and brucellosis among rural populations in two regions of high prevalence in Georgia, and in Azerbaijan; role of adherence in treatment of MDR-TB; case-control investigation of human cutaneous anthrax in Georgia, and in Azerbaijan, prevalence survey of sexually transmitted infections in Georgia; community-based KAP survey of antibiotic usage in two regions of Georgia, community-based KAP survey of rabies. Anthrax surveys and investigations have led to development of health education materials for veterinarians and general public; brucellosis seroprevalence information is guiding development of animal brucellosis control program
- Collaborated with other USG and host country partners in the development of a draft Russian-English epidemiology dictionary

1999 – May 2009: Associate Director for Science, CDC/Coordinating Office for Global Health/Division of Epidemiology and Surveillance Capacity Development Health
Partner with Ministries of Health worldwide to establish sustainable Field Epidemiology and Laboratory Training Programs (FELTPs) for public health capacity development. We compete for resources from US Agency for International Development and private foundations (e.g., Ellison Foundation, Nuclear Threat Initiative) to support these programs. FELTP trainees serve their Ministry of Health through improved disease surveillance, outbreak investigation and control, and evaluation of disease prevention programs (e.g. TB, vaccination, HIV, STDs).
<u>Duties and Responsibilities:</u>

- Lead programmatic activities in Russian-speaking countries
- Guide development of internationally-based Field Epidemiology Training Programs (2-year epidemiology residency programs, modeled on CDC's Epidemic Intelligence Service), based in over 40 countries
- Lead the division's scientific and training collaborations within CDC, with HHS and other federal agencies (Department of Defense, Department of State, USAID), with international partners (regional offices of WHO, Ministries of Health of numerous countries), and with Non-Governmental Organizations (e.g., Nuclear Threat Initiative, World Bank, UNICEF, CDC Foundation)
- Lead ethics review, guide/review division's scientific manuscripts for publication.
- Contribute to workgroups on CDC Futures Initiative and Commissioned Corps Transformation

Major Accomplishments:

- Oversaw $12 million, USAID-funded program of infectious disease control and capacity development in five Central Asian Republics, 2002-2007: 45 epidemiologists graduated from FETP; 50 laboratorians were trained in TB diagnostics; established new procedures for blood safety; conducted first comprehensive study of risk factors for HIV transmission in the region
- Led (2004-2008) cross-Center CDC team working with US Department of Defense ($16M) program for biological threat agent detection and control in Central Asia (Kazakhstan, Uzbekistan and Republic of Georgia); program involves securing of pathogens and development of local capacity in epidemiology, laboratory, information technology, and new regulations for detection and response to select ID agents
- Organized International Night, Epidemic Intelligence Service conferences for FETP presentations, 2000-2009; organized review of approximately 120 abstracts per year resulting in 5 oral and 10-15 poster presentations in each EIS conference
- Managing editor for publication of selected presentations from global FETP conference, 2006
- Reviewed 5 major protocols to establish surveillance for HIV/AIDS, food borne disease, immunization evaluation and 25 manuscripts for publication in 2005-06
- Taught epidemiology, biostatistics, and disease investigation in numerous training workshops and conferences for epidemiologists and disease control officers (Ghana, Kazakhstan, Uzbekistan, Jordan, South Africa) in 2003-7
- Designed and conducted 5-week epidemiology and public health training for Russian epidemiologists (Moscow, 2002), and Central Asian epidemiologists (Atlanta, 2003)
- Numerous international teaching and project planning consultations for Field Epidemiology Training Programs in Central and South America, Russian Federation, Central Asia, Middle East, and Africa (50% time in TDY status during 2002-2004)
- Infectious disease surveillance evaluation for WHO/Integrated Disease Surveillance and Response (Ghana, Ethiopia 2003-04); UNICEF Guinea-worm surveillance evaluation 2000; Uzbekistan infectious disease surveillance evaluation, 2003
- Served as Acting Division Director, March-June 2004
- Served as Acting Branch Chiefs: Data for Decision Making and Policy Branch; Program Development Branch (Dec 2000-Sept 2002)

1998 – October 1999: Associate Director for Science, CDC/National Immunization Program/Data Management Division

The Division supports the development of state-based immunization registries and vaccine-ordering software, funds an annual survey of childhood immunization coverage in the US, assists state immunization programs in evaluation of provider-based immunization coverage, tracks school-based immunization levels, and provides statistical support to other divisions of the National Immunization Program.

Duties, Responsibilities and Accomplishments:

- Lead immunization initiatives with other federal agencies (Health Care Financing Administration, Bureau of Primary Health Care), managed care organizations and WHO/Expanded Programme on Immunization
- Develop immunization measures for Healthy People 2000 and HP 2010
- Guided analysis of immunization coverage data from major surveys (National

Immunization Survey, National Health Interview Survey)
- Analyzed data comparing NIS results with Managed Care HEDIS standards.
- Developed research agenda for division and fostered scientific productivity
- Helped develop new measurement protocols for registries

August 1996 – May 1998: Acting Chief, Assessment Branch, CDC/NIP/DMD
The branch is responsible for the design and execution of immunization coverage surveys at the national, State, local, and provider levels, including: 1) the National Immunization Survey (NIS), a $13 million/year survey of coverage among 2-year old US children, 2) Immunization Supplement of the National Health Interview Survey (NHIS), 3) design and maintenance of Clinic Assessment Software Application (CASA) to assess coverage levels within health care practices, 4) case management software for perinatal Hepatitis B and, 5) support of other immunization coverage survey methods (i.e., birth certificate-based, school-based, and day-care surveys).
Duties, Responsibilities and Accomplishments:
- Supervised staff of 20, primarily epidemiologists, statisticians, and programmers.
- Guided completion and release of CASA for Windows software
- Organized 5 sessions at the National Immunization Conference
- Formed an interdivisional team to complete 3 assessment training conferences (3 days each) for state personnel using CASA and quality assurance training
- Published 3 NIS analyses leading to improved data quality within NIS and NHIS.
- Guided states in use of new assessment methodology
- Team leader for CDC – HRSA initiative to measure coverage among Medicaid children
- Co-authored 7 articles for publication

1994 – 1996: Chief, Epidemiology Support Section, Program Operations Branch, CDC/NIP/Immunization Services Division
This section works closely with the Program Support Section to assist state immunization programs in measuring immunization coverage, as well as provider practice-based coverage (public and private); the section also develops research on programmatic strategies related to increasing immunization coverage levels in the United States.
Duties, Responsibilities and Accomplishments:
- Supervised a staff of nine epidemiologists and one secretary
- Provided guidance for staff activities regarding state immunization program service delivery and research
- Developed and evaluated new strategies to increase US vaccination coverage
- Design study and completed field work to evaluate the clinical case definition of measles in collaboration with Pan American Health Organization and Venezuela Ministry of Health; this study has helped shape strategy for surveillance and elimination of measles in the Americas
- Presented information on effective vaccine delivery strategies to the Advisory Committee on Immunization Practices and the National Vaccine Advisory Committee; published recommendation on use measurement of coverage among children receiving services under WIC (Women Infants and Children) Program of Medicaid
- Collaborated with Bureau of Primary Health Care (HRSA) on development of a demonstration project to measure immunization coverage levels in Migrant/

Community Health Centers
- Coordinated vaccine delivery logistics and guidance in support of measles vaccination campaigns in Chuuk and Yap States, Federated States of Micronesia
- Consultant to Expanded Programme on Immunization annual review, WHO/Western Pacific Region, 1996, 1998

1990 – 1994: Epidemiologist, Epidemiology Research Branch, CDC/NIP/Epidemiology and Surveillance Division

This Branch conducts research on vaccine efficacy, surveillance methods, and strategies to improve immunization coverage; the branch also has lead responsibility to collaborate with WHO in the development of strategies for polio eradication and improved measles control outside the US.

Duties, Responsibilities and Accomplishments:
- Responsible for conducting original domestic and international research into immunogenicity, duration of protection, and safety of measles, mumps, and rubella (MMR) vaccines; and the evaluation of the measles clinical case definition
- Provided technical guidance to State and international programs to increase immunization levels
- Collaborated with other Division personnel regarding study design and analysis of the epidemiology of vaccine preventable diseases
- Led investigation and development of control measures for measles outbreak in Guam
- Consultant for WHO/EMRO polio surveillance evaluation in Oman, United Arab Emirates, 1993
- Initiated a study with the Pan American Health Organization, Expanded Programme on Immunization (PAHO/EPI) and the Venezuela Ministry of Health to evaluate the clinical case definition of measles
- Consultant to PAHO/EPI annual program review and measles elimination via mass vaccination campaigns in the Caribbean; these campaigns have eliminated indigenous transmission of measles since May 1991
- Completed analysis of the safety of Edmonston-Zagreb (EZ) and Moraten (Mor) measles vaccine administered in high titer at 6 months and 9 months (EZ); at standard titer at 9 months (EZ, Mor); and at 12 months (Mor). In contrast to studies in developing countries, these analyses have not found any harmful effects due to vaccine.
- Completed seroconversion study of Measles-Mumps-Rubella vaccine administered at 9 to 15 months; this study provided supportive evidence to raise the recommended age at immunization from 9 to 12 months in several Caribbean nations
- Completed analysis of serologic data for 20-year follow-up of the effectiveness of rubella immunization. Data support current recommendations for one dose of rubella vaccine as being sufficient to induce long-term immunity

1987 – 1990: Chief, Statistics Activity, CDC/Center for Environmental Health and Injury Control/Division of Environmental Hazards and Health Effects

The Division is responsible for investigation of disease outbreaks related to environmental hazards (such as toxic exposures, lead poisoning, radiation hazards) and for surveillance for causes of sudden death.

Duties, Responsibilities and Accomplishments:

- Supervised two assistants; served as chief statistician for the Division on a wide variety of projects
- Had primary responsibility for the design, execution, data management, analysis, and interpretation of findings for an investigation of exposure to lead-contaminated water on the island of Hawaii
- Collaborated in the design, management, and evaluation of a national medical examiner-based surveillance system; work led to improved comparability of data among diverse medical examiner jurisdictions
- Had responsibility for assisting other Federal and State agencies in the study and surveillance of human exposure to toxic substances and other environmental hazards (e.g., lead poisoning, PCBs, radiation)
- Helped establish more sensitive standards for control of lead poisoning
- Co-lead investigation of newly discovered eosinophilia-myalgia syndrome (EMS) associated with consumption of l-tryptophan; investigation of EMS resulted in withdrawal of l-tryptophan from over-the-counter sales nationwide

1985 – 1987: Epidemic Intelligence Service Officer, Epidemiology Studies Branch, CDC/Center for Health Promotion and Education/Division of Reproductive Health
The Branch is responsible for studies of contraceptive safety and use of exogenous hormones by women.
Duties, Responsibilities and Accomplishments:

- Evaluated contraceptive safety and estrogen replacement therapy
- Conducted research on breast cancer epidemiology
- Collaborated in a study of osteoporotic fractures (project manager, study design, questionnaire design, field training)

Additional Skills

Languages: Spanish (Advanced speaking, reading, writing)
Russian (Beginning speaking, reading)
Georgian (Beginning speaking, reading)
French (Beginning speaking, reading, writing)
Teaching: Epidemiology, biostatistics, rapid survey methods, field investigation, scientific writing, oral and poster presentation
Carpentry and basic electrical wiring
Amateur photography; Yoga

Special Career Assignments
2003: March-June Detail, Acting Director, Division of International Health/Epidemiology Program Office: Led the division during a period of reorganization.

1997: June-September Detail, Director of Edmonston-Zagreb Measles Analysis Team

- Lead team of 3 epidemiologists, 2 statisticians, and 2 programmers in analysis of data from epidemiologic study of Edmonston-Zagreb measles vaccine in Los Angeles; this was highly sensitive due to association of EZ vaccine with delayed increased mortality in international settings.
- Led the team in the presentation of results to a group of 6 external experts on immunology, measles, vaccines, and statistics, showing that receipt of the experimental

vaccine did not lead to adverse consequences in US setting.

Other Professional Activities
2003: CDC Futures Initiative, representative to group addressing international capacity development.
1989 – 2019: Mentorship of Epidemic Intelligence Officers
1989 – 1996: Adjunct Assistant Professor, Department of Community Health, Emory University School of Medicine, Atlanta, Georgia.

- Advised graduate students in preparation of their Master's theses.

1989 – 1990: Epidemiology Preceptor, Project: Imhotep, Public Health Sciences Institute, Department of Psychology/Morehouse College, Atlanta, GA

- Advised and instructed minority students in biostatistics and epidemiology.

Member:
American Public Health Association, Epidemiology Section: member and reviewer
Society for Epidemiologic Research: member and reviewer
Commissioned Officers Association; Reserve Officers Association

Honors and Awards:
University of Geogia, College of Public Health: Part-time Faculty Award for Excellence and contributions in teaching, service, and professional activities, April, 2025

Civil Service Awards:

Annual evaluation awards: 2010, 2011, 2012, 2013.
Recognition for Integrated Disease Surveillance Africa, 2003
Y2K Compliance Project Group Award, 1999
Charles C. Sheppard Science Award (nomination), 1997
Hammer Award (nomination), Clinic/Provider Assessment Group, 1997

Public Health Service Commissioned Corps Awards:

Meritorious Service Medal, Strengthening Disease Surveillance, 2008
Unit Commendation, Assessment Training Workshops, 1998
Unit Commendation, AFIX Website Implementation, 1998
Outstanding Unit Citation, Childhood Immunization Initiative, 1997
Commendation, Improving National and State Data on Immunization Coverage, 1997
Foreign Duty, 1997
Commendation, Epidemiologic Approach to Programmatic Activities, 1996
Achievement, Measles Research, 1995
Unit Commendation, Model Immunization Project, 1994
Unit Commendation, Polio Eradication, 1993
Unit Commendation, WIC and AFDC Immunization Project, 1993
Commendation, Rubella Immunity, 1991
Outstanding Unit Citation, Eosinophilia-myalgia Syndrome Surveillance, 1991
Group Citation, Lead-contaminated Water Investigation, 1989
Citation, Sudden Death Surveillance Data, 1988

Other Awards:

Delta Omega, 1985 (Public Health Honor Society)
UCLA Graduate Division Research Grant, 1983

National Institute of Environmental Health Science Fellowship: 1978-1979, 1981-1984
Public Health Training Grant: 1977-1978, 1979-1980
Graduated Cum Laude, 1973
Departmental Honors in Psychology, 1973

Peer-reviewed Publications:

Reynard M, Riffenburgh RS, **Maes EF**. Effect of corticosteroid treatment and enucleation on the visual prognosis of sympathetic ophthalmia. American Journal of Ophthalmology. 1983, 96:290-294.

Frerichs RR, Chapman JM, **Maes EF**. Mortality due to all causes and to cardiovascular diseases among seven race-ethnic populations in Los Angeles County, 1980. International Journal of Epidemiology. 1984, 13:291-298

Maes EF, Parrish RG, Ing R: Autopsy frequency, United States, 1980-1985. MMWR 1988; 37: 191-194.

Rubin GL, Peterson HB, Lee NC, **Maes EF**, Wingo PA, Becker S: Estrogen replacement therapy and the risk of endometrial cancer: Remaining controversies. Am J Obstet Gynecol 1990, 162:148-154.

Swygert L, **Maes E**, Sewell L, Miller L, Falk H, Kilbourne E: Eosinophilia-myalgia syndrome: Results of national surveillance. Journal of the American Medical Association 1990; 264:1698-1703.

McElvaine MD, Orbach HG, Binder S, Blanksma LA, **Maes EF**, Krieg RM, Falk H: Evaluation of the erythrocyte protoporphyrin test as a screen for elevated blood lead levels. J Pediatrics 1991,119: 548-550.

Hersh B, Markowitz L, **Maes EF**, Funkhouser AW, Baughman A, Sirotkin BI, Hadler SC: The geography of measles in the United States, 1980 to 1989. JAMA 1992, 267:1936-41.

Birkhead GS, LeBaron CW, Parsons P, Grabau JC, **Maes E**, Barr-Gale L, Fuhrman J, Brooks S, Rosenthal J, Hadler SC, et al.: The immunization of children enrolled in the Special Supplemental Food Program for Women, Infants, and Children (WIC). The impact of different strategies. JAMA 1995, 274: 312-316; 274: 1762.

Markowitz LE, Albrecht P, Rhodes P, Demonteverde R, Swint E, **Maes EF**, Powell C, Patriarca PA, Kaiser Permanente Measles Vaccine Trail Team: Changing levels of measles antibody titers in women and children in the United States: Impact on response to vaccination. Pediatrics, 1996, 97:53-58.

Shefer A, **Maes EF**, Brink E, Mize J, Passino JP: Assessment and related immunization issues in the Special Supplemental Food Program for Women, Infants, and Children (WIC): A status report. J. Public Health Management and Practice, 1996, 2:34-44.

Maes EF, Shefer A, Rodewald L. Recommendations of the advisory committee on

immunization practices: Programmatic strategies to increase vaccination coverage by age 2 years--Linkage of vaccination and WIC services. MMWR 1996, 10:217-218.

Hoekstra E, **Maes EF**: Recommendations of the advisory committee on immunization practices: Programmatic strategies to increase vaccination rates--Assessment and feedback of provider-based vaccination coverage information. MMWR 1996, 45: 219-220.

Waterman SH, Hill LL, Robyn B, Yeager KK, **Maes EF,** Stevenson JM, Anderson KN: A model immunization demonstration for preschoolers in an inner-city barrio, San Diego, California, 1992-1994. American J Preventive Medicine 1996, 12(suppl 1):8-13.

LeBaron CW, Birkhead GS, Parsons P, Grabau JC, Barr-Gale L, Fuhrman J, Brooks S, **Maes EF**, Friedman S, Hadler SC: Measles vaccination levels of children enrolled in WIC during the 1991 measles epidemic in New York City. American J Public Health 1996, 86:1551-1556.

Coronado V, Kilbourne E, **Maes EF**, Bernier R: National, state, and urban area vaccination coverage levels among children 19-35 months--United States, January-December 1995. MMWR 1997, 46 (8): 176-182.

LeBaron CW, Chaney M, Baughman AL, Dini EF, **Maes E**, Dietz V, Bernier R: Impact of measurement and feedback on vaccination coverage in public clinics, 1988-1994. JAMA 1997, 277: 631-635.

Coronado V, Kilbourne E, **Maes EF**, Bernier R: Status report on the Childhood Immunization Initiative: National, state, and urban area vaccination coverage levels among children aged 19-35 months--United States, 1996. MMWR 1997, 46 (29):657-664.

Helfand RF, Heath JL, Anderson LF, **Maes EF**, Guris D, Bellini W: Diagnosis of measles with an IgM capture EIA: the optimal timing of specimen collection after rash onset. Journal of Infectious Disease. J Infectious Diseases 1997, 175: 195-199.

Coronado V, Kilbourne E, **Maes EF**, Bernier R: Vaccination coverage by racial and ethnic group and poverty level among children age 19-35 months. MMWR 1997.

Battaglia MP, Ezzati-Rice TM, Hoaglin DC, Loft JD, **Maes EF**: Response rates in a survey that collects childhood vaccination information from households and providers. Proceedings of American Statistical Association, 1997.

Guris D, Auerbach SB, Vitek, C, **Maes E**, McCready J,Durand M, Cruz K, Iohp K, Haddock R, Rota J, Rota P, Heath J, Heath J, Redd SC:Measles outbreaks in Micronesia, 1991-1994. Pediatric Infectious Disease Journal, 1998, 17:33-39.

Coronado V, **Maes EF**, Kilbourne E, Bernier R: National, state, and urban area vaccination coverage levels among children aged 19-35 months--United States, July 1996-June 1997. MMWR 1998, 47 (6):108-116.

Maes EF, Coronado V, Chu S, Bernier R: National, state, and urban area vaccination coverage

levels among children aged 19-35 months--US, 1997. MMWR 1998, 47 (26):547-554.

Hoekstra E, Brink E, **Maes EF**: Recommendations of the advisory committee on immunization practices, the American Academy on Pediatrics, and the American Academy of Family Physicians: Use of reminder and recall by vaccination providers to increase vaccination rates. MMWR 1998, 47:715-717.

Rodewald L, **Maes E**, Stevenson J, Lyons B, Stokley S, Szilagyi P. Immunization performance measurement in a changing immunization environment. Pediatrics, 1999,103(4pt2):889-97.

Santoli J, Rodewald L, **Maes EF**, Battaglia M, Coronado V. Vaccines for children program: United States, 1997. Pediatrics 1999;104 (2):e15.

Yusuf HR, Coronado VG, Averhoff FA, **Maes EF**, Rodewald LE, Battaglia MP, Mahoney FJ. Progress in coverage with hepatitis B vaccine among US children, 1994-1997. American J Public Health, 1999;89(11):1684-9.

Herrera GA, Smith P, Daniels D, Klevens RM, Coronado V, McCauley M, Stokley S, **Maes EF**, Ezzaati-Rice TM, Wright RA, Cordero JF. National, state, and urban area vaccination coverage levels among children aged 19-35 months, United States, 1998. MMWR CDC Surveillance Summaries, 2000; 49(9):1-26.

Stokley S, Rodewald LE, **Maes EF**. The impact of record scattering on the measurement of immunization coverage. Pediatrics, 2001; 107(1):91-6.

Hutchins S, Papania M, Amler R, **Maes EF,** Grabowsky M, Bromberg K, Morris-Glasgow V, Speed T, Bellini W, Orenstein WA. Evaluation of measles case definition. Journal of Infectious Diseases 2004 May 1, **189 Suppl 1**:S153-9

Sandhu H, **Maes EF**, Nsubuga P, Mendlein JM, White M, Favorov MO, Dadu A, Tsogt G, Aitmagambetova I. Tuberculosis treatment outcomes among ex-prisoners, Kazakhstan, 2000. Morbidity and Mortality Weekly Report, (July 2004).

Yassin AS, Favorov M, **Maes EF,** Sadek R, Jumagulova A, Merker V, Surdina T,Chorba T. Cost-analysis of different management policies for patients with mild hepatitis A virus infection in Kazakhstan. Cost Effectiveness and Resource Allocation 2005 May 12, **3**:4

Kozukeev TB, Ajeilat S, **Maes E,** Favorov M. Risk factors for brucellosis—Leylek and Kadamjay districts, Batken oblast, Kyrgyzstan, January—November, 2003. In: Global epidemiology: proceedings of the third TEPHINET Conference—Beijing, China, November 8-12, 2004. MMWR 2006;55(Suppl): 32-35.

Chokoshvili O, Lomashvili K, Malakmadze N, Geleishvili M, Brant J, Chitadze N, Tevzadze L, Chanturia G, Tevdoradze T, Tsertsvadze T, Bopp C, Talkington D, Mody RK, Strockbine N, **Maes E**, Rush T. Investigation of an outbreak of bloody diarrhea complicated with hemolytic uremic syndrome Georgia, 2009. J Epidemiol Global Health (2014), http://dx.doi.org/10.1016/j.jegh.2014.03.004.

Vora N, Li Y, Geleishvili M, Emerson G, Khmaladze E, Maghlakelidze G, Navdarashvili A, Zakhashvili K, Kokhredize M, Tsilosani M, Panayampalli S, Gallardo-Romero N, Goldsmith C, Metcalfe M, Damon I, **Maes E**, Reynolds M, Morgan J, Carroll D.Human infection with a zoonotic *Orthopoxvirus* in the country of Georgia. (New England Journal Medicine, 2015;**372**:1223-30)

Navdarashvili A, Doker TJ, Geleishvili M, Haberling DL, Kharod GA, Rush TH, **Maes EF**, Zakhashvili K, Imnadze P, Bower WA, Walke HT, Shadomy SV, and the anthrax investigation team. Human anthrax outbreak associated with livestock exposure: Georgia, 2012. (Epidemiology and Infection, 2015; 1-12)

Maes EF, Diop OM, Jorba J, Chavan S, Tangermann RH, Wassilak SGF. Surveillance systems to track progress toward polio eradication—worldwide, 2015-2016. MMWR Morb. Mort. Wkly Rep. 2017;66:359-365. DOI: http://dx.doi.org/10.15585/mmwr.mm6613a3 [J]

Hasanov E, Zeynalova Sh, Geleishvili M, **Maes E**, Tongren E, Marshall E, McElhinney LM, Watmore A, Fooks AR, Horton DL. Assessing the impact of public education on a preventable zoonotic disease: rabies. Epidemiol. Infect. (2018), 146, 227–235, doi:10.1017/S0950268817002850

White JA, Estrada M, Weldon WC, Chumakov K, Kouiasvskaia D, Fournier-Caruana J, Stevens E, Gary HE, **Maes EF**, Oberste S, Snider CJ, Anand A, Chen D. Assessing the potency and immunogenicity of inactivated polio virus vaccine after exposure to freezing temperatures. Biologicals. Biologicals (March,2018), https://doi.org/10.1016/j.biologicals.2018.03.002

Traxler RM, Napetvaridze T, Asanishvili Z, Geleishvili M, Rukhadze K, Maghlakelidze G, Broladze M, Kokhreidze M, **Maes EF**, Reynolds D, Salman M, Shadomy SV, Rao S. Knowledge, attitudes, and practices related to anthrax and animal care: A case-control study in Georgia. PLOS Journal (18October 2019).

Gabdullina G, **Maes EF**, Horth RZ, Dzhazybekova P, Amanova GN, Zikriyarova S, Nabirova DA. COVID-19 pandemic and other factors associated with unfavorable tuberculosis treatment outcomes—Almaty, Kazakhstan, 2018–2021. Frontiers in Public Health 2023; 11: 1247661. doi: 10.3389/fpubh.2023.1247661

Fischbach L, Smith LV, King J, Inkelas M, Kuo T, **Faculty Emory University Rollins School of Public Health**. Using Grand Rounds to Train and Prepare a Local Public Health Workforce to Manage COVID-19 Outbreaks During the 2020–2021 Pandemic Winter Upsurge. Health Promot Pract. 2023 May 17: 1-14 (online). https://doi.org/10.1177/15248399231171952

Gubareva U, Horth R, Nabirova D, Tukhanova N, Utegenova E, Shapiyeva Z, Turliyev Z, Tleumbetova N, Maykanov N, Smagul M, Landay A, Cloherty G, Averhoff F, **Maes EF**. **Hantavirus Antibody Seroprevalence and Risk Factors among Adults in West Kazakhstan, 2023** Frontiers in Public Health, Frontiers in Public Health, 15 January 2025 Sec. Public Health Policy, Volume 12 - 2024 | https://doi.org/10.3389/fpubh.2024.1519117

Book Chapters and Other Publications

Maes EF: Chapter 4, Analytical Epidemiology, in Reproductive Epidemiology. Wingo PA, Higgins JE, Rubin GL, Zahniser SC. U.S. Centers for Disease Control, Family Health International, World Health Organization, Training Manual, 1991.

Maes EF. Mapping census data with SAS/GRAPH. Perspective. Office of Academic Computing, University of California, Los Angeles. November-December, 1983.

Maes EF. StatCat User Manual - A guide to the StatCat microcomputer. BMDP Statistical Software, Inc., Los Angeles, California, 1984.

Centers for Disease Control and Prevention. Global epidemiology: proceedings of the third TEPHINET Conference—Beijing, China, November 8-12, 2004, MMWR 2006;55(suppl). [**Maes EF**, technical editor—led selection and review of articles]

Consulting Reports

Frerichs RR, Sloss EM, **Maes EF**, Satin KP. Water re-use, Part II, Its epidemiologic impact in Los Angeles County. Report to the Los Angeles County Sanitation Districts, 1982.

Chapman JM, Frerichs RR, **Maes EF**. Cardiovascular Diseases in Los Angeles County, 1980. Report to the American Heart Association, Greater Los Angeles Affiliate, 1983.

Frerichs RR, Sloss EM, **Maes EF**. Water re-use, Part III, Its epidemiologic impact in Los Angeles County. Report to the Los Angeles County Sanitation Districts, 1983.

Maes E, Zimicki S. An evaluation of community-based surveillance in the Northern Region of Ghana. UNICEF. 2000 March. Available from: http://www.unicef.org/evaldatabase/index_14293.html

Invited Presentations

Health effects of lead. Georgia Tech Research Institute, Atlanta, GA, 1988.

Sources and significance of lead exposure. American Water Works Association Annual Conference and Exposition, Los Angeles, CA 1989.

Evaluation of studies examining the relationship between eosinophilia-myalgia syndrome and l-tryptophan manufacturer--the evidence for contamination, Los Alamos Labs, NM, 1990.

Surveillance for sudden infant death syndrome, National Institute for Childhood Diseases, Washington, DC, 1990.

Current epidemiology of measles and rubella in the US. PAHO/EPI, Antigua, 1990.

Proposal to evaluate seroconversion following vaccination with measles-mumps-rubella

vaccine at 9, 12, and 15 months of age, Caribbean Epi Research Centre, Trinidad, 1991.

Preliminary seroconversion results following vaccination with MMR at 9, 12, and 15 months of age. PAHO/EPI, Jamaica, 1991.

Final results of the St. Lucia study to evaluate seroconversion following vaccination with MMR at 9, 12, and 15 months of age. PAHO/EPI, Guadeloupe, 1992.

Surveillance of measles in the US, PAHO/EPI, Tobago, 1993.

Preliminary results of the measles case definition study, PAHO/EPI, Washington DC, 1994.

Immunization Strategies for Farmworker Children. 7th Annual East Coast Migrant Stream Forum, Charleston, SC, 1994.

Programmatic strategies to increase coverage. National Immunization Conference, Los Angeles, 1995.

Results of San Diego model immunization project. National Immunization Conference, Los Angeles, 1995.

Alternative sampling strategies for clinic vaccination coverage assessment. National Immunization Conference, Los Angeles, 1995.

The clinical case definition of measles, Venezuela Pediatrics Association, Venezuela, 1995

Sensitivity of indirect nuclear antigen capture ELISA in the detection of measles infection. PAHO/EPI, Puerto Rico, 1995.

Review of programmatic strategies to increase immunization coverage. Prevention 95, New Orleans, LA 1995.

Measles control in US-affiliated Pacific island jurisdictions. WHO/UNICEF workshop for control of vaccine preventable diseases in Pacific island countries, Fiji, August, 1996.

Local Assessment of Child Immunization Coverage. University of Washington and Washington Department of Health, October, 1996.

Strategies for feeding back assessment data to improve clinic immunization practices. Bureau of Primary Health Care. November, 1996.

Excellence in public health: Application of epidemiologic methods to improve disease control and prevention. Excellence in Public Health Practice. USAID-CDC Conference, Almaty, Kazakhstan, December, 2000.

The importance of integrated disease surveillance, applied to Central Asia. Integrated disease surveillance for HIV, STDs, and Viral Hepatitis. Tashkent, Uzbekistan, October, 2003.

Professional Meetings (oral or poster presentations)

Maes EF. Organizer and presider, Epidemiological Forum, Round table Discussions. American Public Health Association, 109th Annual Meeting, 1981.

Frerichs RR, **Maes EF**. Neonatal intensive care units in public policy. American Public Health Association, 109th Annual Meeting, 1981.

Frerichs RR, **Maes EF**, Sloss EM. Ecologic investigation of the health effects of recycled wastewater, 1972-78. Society for Epidemiologic Research, 15th Annual Meeting, 1982.

Maes EF, Frerichs RR. The effect of medical care on the decline in infant mortality, 1969-1980. American Public Health Association, 111th Annual Meeting, 1983.

Maes EF, Frerichs RR. The effect of prenatal care, cesarean delivery, and neonatal intensive care on the decline in neonatal mortality, 1969 to 1980. International Epidemiology Association, Xth Scientific Meeting, 1984.

Frerichs RR, Chapman JM, **Maes EF**, Nourjah P. Mortality among seven race-ethnic populations in Los Angeles County. APHA, 112th Annual Meeting, 1984.

Frerichs RR, Chapman JM, Nourjah P, **Maes EF**. Cardiovascular disease mortality among Mexican-Americans compared to other race/ethnic groups in Los Angeles County, 1979-81. American Public Health Association, 113th Annual Meeting, 1985.

Maes EF, Lee NC, Rubin GL, Wingo PA. Breast cancer stage at diagnosis: Are exogenous hormones important? Epidemic Intelligence Service, 35th Conference, CDC, 1986.

Rubin GL, Peterson HB, Lee NC, **Maes EF**, Wingo PA. Estrogen replacement therapy and the risk of endometrial cancer: Old controversies and a new finding. Society for Epidemiologic Research, 19th Annual Meeting, 1986.

Swygert LA, **Maes EF**, Paschal DC et al. Lead-contaminated water on the island of Hawaii. Epidemic Intelligence Service, 38th Conference, Centers for Disease Control, 1989.

Maes EF, Parrish GP, Ing R. Autopsy frequency and type of medicolegal system, US 1980-1985. American Public Health Association, 116th Annual Meeting, 1988.

Bratz J, Tokuhata G, Kim J, **Maes EF** et al. Three mile island pregnancy outcome study: Final report. American Public Health Association, 116th Annual Meeting, 1988.

Maes EF, Swygert L, Paschal D, Anderson B: Predicting the contribution of water lead to blood lead levels. U.S. Public Health Service Conference. June, 1990.

Maes EF, Gillam A, Stehr-Green PA, Stewart JS, Markowitz LE, Patriarca PA: Rubella antibody persistence 20 years after immunization. 31st Interscience Conference on Antimicrobial Agents and Chemotherapy. September, 1991.

Maes EF, Markowitz LE, Demontverde R et al: Lymphocyte subsets following vaccination with Edmonston-Zagreb and Moraten measles vaccine. 33rd Interscience Conference on Antimicrobial Agents and Chemotherapy, October 1993.

Guris D, **Maes EF** Measles outbreaks in Micronesia: 35th Interscience Conference on Antimicrobial Agents and Chemotherapy, San Francisco, September, 1995.

Maes EF, Cohen-Abbo A, Fischmann A, Godoy O, Heath J, Querales J. Diagnosis of measles: An evaluation of the clinical case definition. Society for Epidemiologic Research, 30th Annual Meeting, June 1997.

Maes EF (Discussant and presider). Use of statistical methods in assessing immunization practices. American Public Health Association, 125th Annual Meeting, 1997.

Loft JD, Kneifel A, Roden AS, Coronado VG, **Maes EF**. Provider on-line locating facility for a telephone survey of childhood immunization. American Association for Public Opinion Research, May 1998.

Loft JD, Kneifel A, Roden AS, Srinath KP, Strella R, **Maes EF**, Coronado VG, Wright RA. Results of an experiment using difference mail carriers for a mail survey of immunization providers. American Association for Public Opinion Research, May 1998.

Battaglia M, Hoaglin D, Wright RA, Coronado VG, Anderson E, Ezzati-Rice TM, **Maes EF.** Monitoring childhood vaccination coverage levels throughout the US. American Association for Public Opinion Research, May 1998.

Buckley P, Daniel C, Saulsberry C, Coronado VG, **Maes EF**, Ezzati-Rice Tm, Wright RA, Roden SA. Managing 78 simultaneous RDD samples. American Association for Public Opinion Research, May 1998.

Rodewald L, **Maes E**, Coronado V, Battaglia M, Izrael D, Loft J, Ezzati-Rice T. Penetration of the vaccines for children program (VFC) among providers for preschool immunizations: Results from the 1997 National Immunization Survey Provider Record Check. Pediatric Academic Societies Annual Meeting, 1998.

Coronado VG, Kilbourne EM, **Maes EF**, Ezzati-Rice TM, Wright RA, Battaglia MP, Hoaglin DC, Anderson E, Rodewald L. Vaccination coverage by race/ethnicity and poverty level among children age 19-35 months, National Immunization Survey--US, 1996. Pediatric Academic Societies Annual Meeting, 1998.

Maes EF, Rodewald, Coronado VG, Battaglia MP, Hoaglin DC, Loft J, Wright RA, Ezzati-Rice TM. Who is immunizing children in the US: Public or private providers? Pediatric Academic Societies Annual Meeting, 1998.

Coronado VG, **Maes EF**, Wright RA, Ezzati-Rice TM, Battaglia MP, Hoaglin DC, Anderson EA, Kilbourne EM. Progress in Vaccination Coverage among 19-35 Month-old U.S. Children.

Pediatric Academic Societies Annual Meeting, 1998.

Maes EF, Rodewald LE, Coronado VG, Battaglia MP, Izrael D, Ezzati-Rice TM. Immunization providers for impoverished preschool children: Results from the 1997 National Immunization Survey. Pediatric Academic Societies Annual Meeting, 1998.

Rodewald LE, **Maes EF**, Coronado VG, Battaglia MP, Izrael D, Loft J, Ezzati-Rice TM. Medical Home and Provider Specialty of Preschool Immunization Providers: Results from the 1997 National Immunization Survey. Pediatric Academic Societies Annual Meeting, 1998.

Coronado VC, **Maes EF**, Kilbourne E, Dennis JM, Battaglia MP, Roden AS, Strella RV. The national immunization survey quality control program. National Immunization Conference, Dallas TX, June 1999.

Favorov M, Ajeilat S, Sinclair M, Nabirova D, **Maes E.** Role of applied epidemiology training in biodefense preparedness in Central Asia. American Society for Microbiology Biodefense and Emerging Diseases Research Meeting, Washington, DC, February 2006.

Hashim H, Geleishvili M, Rush T, **Maes E**. Assessment of rotavirus surveillance program for vaccine introduction, Azerbaijan, 2007-2008. TEPHINET Global Conference, Capetown, South Africa, 2010.

Chokoshvili O, Malakmadze N, Mody R, Strockbine N, Geleishvili M, Rush T, **Maes E.** New challenge for national public health: Hemolytic Uremic Syndrome, Georgia, 2009. TEPHINET Global Conference, Capetown, South Africa, 2010.

Shixhiev M, Geleishvili M, Rush T, **Maes E.** Challenges for rabies control in Azerbaijan, 2006-2008. ESCAIDE 2010, Lisbon, Portugal.

Mebonia N, **Maes E.** Evaluation of the effect of environmental manganese on the health of young children in Zestaphoni, Georgia, 2010. EIS Conference, 2011. Atlanta, Georgia.

Avesitian L, Rush T, **Maes E.** Outbreak of staphylococcal food intoxication at a wedding ceremony in Gjumri, Armenia, 2009. ESCAIDE 2011, Lisbon, Portugal.

Avesitian L, Rush T, **Maes E.** Brucellosis outbreak in Cghuk village, Armenia, 2009. ESCAIDE 2011, Lisbon, Portugal.

Datukishvili S, Geleishvili M, Rush T, **Maes E.** Human tularemia surveillance system evaluation, Georgia, 2006-2010.ESCAIDE 2011, Lisbon, Portugal.

Salakhova K, Geleishvili M, Rush T, **Maes E.** Evaluation of surveillance system for hepatitis B in pregnant women, Baku, Azerbaijan, 2009-2010. ESCAIDE 2011, Lisbon, Portugal.

Lashkarashvili M, Geleishvili M, Rush T, **Maes E.** *Salmonella hindmarsh* outbreak in Sachkhere, Georgia, 2011. Internat. Conf. Infectious Diseases. Bangkok, Thailand, 2012.

Nikolaishvili M, Gelishvili M, Rush T, **Maes E.** Rabies in Georgia, Nazarlo Village, 2011. EIS Conference, 2012, Atlanta, Georgia.

Lashkarashvili M, Geleishvili M, Rush T, **Maes E.** *Salmonella hindmarsh* outbreak in Khobi, Georgia, 2012. TEPHINET Seventh Global Scientific Conference, Amman, Jordan, 2012.

Chavchava T, Geleishvili M, **Maes E.**Risk factors for non-communicable diseases among internally displaced persons subsequent to the Georgia-Russia War, 2008.TEPHINET Seventh Global Scientific Conference, Amman, Jordan, 2012.

Navdarashvili A, Geleishvili M, Rush T, **Maes E.** Anthrax knowledge, attitude and practices among populations in rural Georgia, 2012. TEPHINET Seventh Global Scientific Conference, Amman, Jordan, 2012.

Epadze N, Geleishvili M, Rush T, **Maes E.** Increase in cases of human leptospirosis in Ajara Region, Georgia, 2012. ESCAIDE 2012, Edinburgh, UK.

Grigoryan A, Clarke C, Zueva L, Chumachenko T, **Maes EF**, Smoak B. The epidemiologic vocabulary of the West and the Former Soviet Union: Different sides of the same science. ISDS 2012. Online Journal of Public Health Informatics. http://ojphi.org 5(1):e45, 2013

Navdarashvili A, Doker T, Folkema A, Kharod G, Haberling D, Geleishvili M, Rush T, **Maes E,** Shadomy S. Human cutaneous anthrax outbreak associated with contact of livestock, Georgia, 2012, a case-control study. EIS Conference, 2013, Atlanta, Georgia.

Maghlakelidze G, Navdarashvili A, Geleishvili M, Rush T, **Maes E**. Knowledge of brucellosis among persons living in rural Georgia, 2012. ESCAIDE 2013, Stockholm, Sweden.

Ibrahimova S, Geleishvili M, Rush T, **Maes E** Case-control investigation of human anthrax in the Gakh Region of Azerbaijan, October, 2012. ESCAIDE 2013, Stockholm, Sweden.

Epadze N, Geleishvili M, Rush T, **Maes E.** Evaluation of early detection of pulmonary TB among contacts of TB patients, Adjara, Georgia, 2012. ESCAIDE 2013, Stockholm, Sweden.

Maghlakelidze G, Navdarashvili A, Geleishvili M, Rush T, **Maes E**. Survey of Knowledge, Attitude and Practice on brucellosis in Gakh Region, Azerbaijan 2012. ESCAIDE 2013, Stockholm, Sweden.

Pre-PHS Employment and Professional Experiences:
1983 to 1985 Technical Writer, BMDP Statistical Software, Inc., Los Angeles, CA
Developed user's manual for StatCat microcomputer and statistical programs.

1979 to 1984 Teaching Associate; Research Associate, Division of Epidemiology, UCLA
Led work sessions in advanced epidemiology; organized, taught epidemiology summer course. Analyzed annual vital statistics and census data to describe heart disease mortality in Los Angeles County, using SAS, BMDP, and geographic mapping. Study design and analysis of the health effects of recycled wastewater, supervised a computer programmer.