

National Syndromic Surveillance Conference 2002

Biographies of Speakers and Moderators

- **Claire Broome**

- Senior Advisor for Integrated Health Information Systems, Office of the Director, CDC
- Dr. Claire Broome serves as the Senior Advisor to the Director for Integrated Health Information Systems, Centers for Disease Control and Prevention (CDC). Dr. Broome oversees the development and implementation of CDC's National Electronic Disease Surveillance System, one of the highest priorities of CDC and the Administration.
- Dr. Broome served as Deputy Director, CDC and Deputy Administrator of the Agency for Toxic Substances and Disease Registry (ATSDR) from 1994-1999. Dr. Broome served as CDC's Associate Director for Science from 1990-1994. She was Chief of the Special Pathogens Branch in the National Center for Infectious Diseases from 1981-1990.
- Her research interests include epidemiology of meningitis and pneumonia, meningococcal, pneumococcal and Haemophilus b vaccines, observational methods for vaccine evaluation, and public health surveillance methodology.
- Dr. Broome has received many professional awards including the PHS Distinguished Service Medal, the Surgeon General's Medallion, the Infectious Disease Society of America's Squibb Award for Excellence of Achievement in Infectious Diseases, and the John Snow Award from the American Public Health Association. She was elected to membership in the Institute of Medicine in 1996.
- She graduated magna cum laude from Harvard University and received her M.D. from Harvard Medical School. She trained in internal medicine at the University of California, San Francisco, and in infectious diseases at Massachusetts General Hospital.

- **Jeffrey Duchin**

- Chief, Communicable Disease Control
- Assistant Professor: Medicine, Public Health - Seattle and Kings County
- Jeff Duchin trained in internal medicine, emergency medicine and infectious diseases and completed the CDC's Epidemic Intelligence Service program and preventive medicine residency programs. At CDC, Dr. Duchin investigated drug-resistant *S. pneumoniae*, Legionnaire's disease, psittacosis, non-tuberculosis mycobacterial infections, and hantavirus pulmonary syndrome. He worked as a medical epidemiologist at CDC through 1998. After leaving CDC, Dr. Duchin did his subspecialty training in infectious diseases at the University of Washington. Dr. Duchin heads the bioterrorism epidemiology, surveillance and response program at Public Health.

- **Jeremy Espino**

- National Library of Medicine Post Doctoral Medical Informatics Fellow, Center for Biomedical Informatics/Intelligent Systems, University of Pittsburgh

- Jeremy Espino is a National Library of Medicine Post-doctoral Medical Informatics Fellow at the Center for Biomedical Informatics (CBMI), University of Pittsburgh, Pennsylvania. Additionally, he is a PhD candidate in the Intelligent Systems Program at the University of Pittsburgh.
- He received his medical degree at SUNY Downstate Medical Center in Brooklyn, NY and completed his internal medicine internship at Saint Vincent's at Richmond in Staten Island, NY. He has extensive experience in the development of enhanced public health surveillance systems through research at CBMI's Real-time Outbreak and Disease Surveillance Laboratory and his current research interests include probabilistic spatio-temporal modeling of disease spread and automated outbreak analysis. Espino is the co-developer of the Real-time Outbreak and Disease Surveillance System.
- **Thomas Frieden**
 - Commissioner, NYC Department of Health and Mental Hygiene
 - Dr. Thomas Frieden was appointed commissioner of the New York City Department of Health in January 2002. The Health Department is one of the oldest and largest in the country. In recent years, it has demonstrated its national and international leadership in areas such as tuberculosis and other communicable diseases control, lead poisoning prevention, poison control, asthma management and bioterrorism preparedness. In July 2002, the Health Department merged with the widely respected Department of Mental Health, Mental Retardation and Alcoholism Services. Dr. Frieden is now the commissioner of the new Department of Health and Mental Hygiene.
 - Dr. Frieden completed medical and public health training at Columbia University, internal medicine residency at Columbia, and infectious disease training at Yale University. He worked for the Centers for Disease Control and Prevention as an Epidemic Intelligence Service Officer assigned to the New York City Department of Health from 1990-1992, after which he was appointed Director of the tuberculosis program and Assistant Commissioner. From 1992-1996, he directed the city's highly successful tuberculosis control program, which reduced multidrug-resistant tuberculosis by 95% and became an international model. Dr. Frieden then worked in India for 5 years, on loan from the Centers for Disease Control and Prevention to the World Health Organization. While there, Dr. Frieden helped the Government of India establish what is now the largest effective tuberculosis program in the world, treating more than 1.2 million patients and saving more than 200,000 lives.
 - Dr. Frieden has written more than 100 scientific articles on a wide variety of health issues.
- **Stacy Hall**
 - Bioterrorism Surveillance Program Coordinator, Infectious Disease Epidemiology, Louisiana Office of Public Health
 - Stacy Hall is a masters prepared nurse working for the Louisiana Office of Public Health. She has experience in hospital and clinical settings. Ms. Hall has been with the Louisiana Department of Health and Hospitals for five years. She began in Public Health as a Sexually Transmitted Disease Nurse Clinician in the New Orleans region of the state. In August of 2001 she became the Bioterrorism Surveillance Program Coordinator in the Infectious Disease Epidemiology Section. Louisiana has

performed over 1200 "anthrax tests" and has experienced several hoaxes. Health officials have written an Epidemiology Section Response Plan and are working on a State Plan. Their CDC grant application was fully funded. Louisiana has a web-based surveillance system for Reportable Diseases, with emergency departments and emergency medical services doing syndromic surveillance. There is active surveillance with sentinel physicians. The Veterinarian Page, part of the web-based system, is at the programmers. For the coroners, they have a criteria matrix, which is being actively promoted. They are watching to see who can develop a good system for pharmacy surveillance.

- **Margaret Hamburg**

- Vice President for Biological Programs, Nuclear Threat Initiative, Washington, D.C.
- Nuclear Threat Initiative is a charitable organization working to reduce the global threats from nuclear, biological, and chemical weapons. Dr. Hamburg is in charge of the biological program area. Before taking on her current position, Dr. Hamburg was the Assistant Secretary for Planning and Evaluation, U.S. Department of Health and Human Services, serving as principal policy advisor to the Secretary of Health and Human Services. Her responsibilities included policy formulation and analysis, the development and review of regulations and/or legislation, budget analysis, strategic planning, and the conduct and coordination of policy research and program evaluation. Prior to this, she served for almost six years as the Commissioner of Health for the City of New York. As chief health officer in the nation's largest city, Dr. Hamburg's many accomplishments included: the design and implementation of an internationally recognized tuberculosis control program that produced dramatic declines in tuberculosis cases; the development of initiatives that raised childhood immunization rates to record levels; and the creation of the first public health bioterrorism preparedness program in the nation. She completed her internship and residency in Internal Medicine at the New York Hospital/Cornell University Medical Center and is certified by the American Board of Internal Medicine. She is a graduate of Harvard College and Harvard Medical School. She currently serves on the Harvard College Board of Overseers. She has been elected to membership in the Institute of Medicine, The New York Academy of Medicine and the Council on Foreign Relations, and is a Fellow of the American Association of the Advancement of Science and the American College of Physicians.

- **Richard Heffernan**

- Research Scientist, Bureau of Communicable Disease, NYC DOHMH
- Rick Heffernan received Masters of Public Health and Masters of International Affairs degrees at Columbia University and is currently completing a doctoral dissertation in epidemiology at Yale University. In addition to heading the syndromic surveillance analysis team at the New York City Department of Health and Mental Hygiene, he oversees the Bureau of Communicable Disease's electronic laboratory reporting initiative and the development of its next-generation surveillance database. His interests include the design of infectious disease surveillance systems and the analysis and presentation of surveillance data.

- **Lori Hutwagner**

- Mathematical Statistician, Bioterrorism Preparedness and Response Program, CDC

- Lori Hutwagner received her masters degree from the Georgia Institute of Technology in 1989. She joined the CDC in 1990 with the National Center for Infectious Diseases where she worked on aberration detection methods for Salmonella isolates. She has recently completed work with the Epidemiology Program Office where she applied aberration detection methods to the Nationally Notifiable Disease Surveillance System. In 1999 she began working with the Bioterrorism Preparedness and Response Program on developing aberration detection methods for their national "drop in surveillance" system and has started implementing these methods in various local sites through the US.
- **Adam Karpati**
 - Medical Epidemiologist, Community Health Work, NYC DOHMH
 - Adam Karpati is a medical epidemiologist assigned to the New York City Department of Health and Mental Hygiene from the Epidemiology Program Office at CDC. A graduate of CDC's Epidemic Intelligence Service, Dr. Karpati is also trained in internal medicine and preventive medicine. He has worked extensively on emergency preparedness issues and on the Emergency Department Syndromic Surveillance System in New York City.
- **Ken Kleinman**
 - Associate Professor, Department of Ambulatory Care and Prevention, Harvard Medical School and Harvard Pilgrim Health Care
- **Ken Komatsu**
 - Program Manager, Office of Infectious Disease Services, Arizona Department of Health
- **Martin Kulldorff**
 - Associate Professor, Department of Community Medicine and Health Care, University of Connecticut School of Medicine
 - Martin Kulldorff, PhD, is an Associate Professor of Biostatistics at the University of Connecticut. He is actively engaged in both methodological and substantive work on disease surveillance, spatial statistics, data mining and the early detection of disease outbreaks. He has, among other things, developed the spatial scan statistic for disease cluster detection and inference, as well as SaTScan, a software product for its implementation.
- **Marcelle Layton**
 - Assistant Commissioner, Communicable Disease Program, NYC DOHMH
 - Marcelle C. Layton, MD, is the Assistant Commissioner for the Bureau of Communicable Disease at the New York City Department of Health and Mental Hygiene. She received her medical degree at Duke University and completed residency training in internal medicine at State University of New York Health Sciences Center in Syracuse, NY. She has also completed fellowship training in infectious disease at Yale University School of Medicine and was an Epidemic Intelligence Service officer with the Centers for Disease Control and Prevention.
 - Dr. Layton is a member of the Forum on Emerging Infections, Institute of Medicine, the Center for Civilian Biodefense at Johns Hopkins School of Hygiene and Public Health and the Executive Session on Domestic Preparedness of John F. Kennedy School of Government, Harvard University.

- **Bill Lober**
 - Research Assistant Professor, Biomedical and Health Informatics, University of Washington
 - Dr. Lober is in the Division of Biomedical and Health Informatics at the University of Washington School of Medicine. He was in the computer industry for 10 years prior to developing an interest in medicine. He graduated from the UC San Francisco/UC Berkeley Joint Medical Program, did his residency at the University of Arizona, and is board certified in Emergency Medicine. His research interests include image annotation, heterogeneous databases, security, and information system-based surveillance. Presently he is working on computer supported collaborative work (CSCW) systems for group-to-group teleconferencing, and automated data collection systems based on clinical information system mining for population health surveillance. (see <http://cirg.washington.edu>)
- **Joe Lombardo**
 - Bio Informations Systems Program Manager, National Securities Technology Department, Johns Hopkins University
 - Joe Lombardo is the Principal Investigator for the Electronic Surveillance System for the Early Notification of Community-Based Epidemics II and the Maryland Disease Surveillance Response System. He is a Bio Medical Engineer and Program Manager for Bio Medical Information Systems at the Johns Hopkins University Applied Physics Laboratory, where he has been employed for the past 32 years working on the development of innovative technology to support surveillance for National Security. For the past five years he has been concentrating on finding new techniques that will provide early indication of abnormal health conditions in the National Capital Area.
- **John Loonsk**
 - Associate Director of Informatics, CDC
- **Wilfredo Lopez**
 - General Counsel for Health, NYC DOHMH
 - Wilfredo Lopez, Esq. was born and raised in the Bronx. He graduated from the City College of New York and from Brooklyn Law School. He worked for the Criminal Division of the Legal Aid Society, and then as a Civil Court law clerk, both in Bronx County. In 1979 Mr. Lopez joined the New York City Department of Health as a staff attorney, became Deputy General Counsel in 1980, and was appointed General Counsel in 1992. Mr. Lopez has chaired the Committee on Law and Medicine at the New York County Lawyers Associate and was a member of the Board of Directors of the Puerto Rican Bar Association. Mr. Lopez was recognized by the New York City Law Department as Agency Counsel of the Year for 1998. He is a contributing editor to The New York Academy of Medicine's Journal of Urban Health. In August of 2002, his article on West Nile Virus in New York City was published in the American Journal of Public Health. He is a co-editor and co-author of a book, entitled "Law in Public Health Practice," published by Oxford University Press.
- **Deanna Mool**
 - Partner, Sorling, Northrup, Hanna, Cullen and Cochran, Ltd.
- **Andrew Moore**
 - Associate Professor, School of Computer Science, Carnegie Mellon University

- Andrew Moore (<http://www.cs.cmu.edu/~awm>) is the A. Nico Habermann associate professor of Robotics and Computer Science at the School of Computer Science, Carnegie Mellon University. His main research interest is data mining: statistical algorithms for finding all the potentially useful and statistically meaningful patterns in massive sources of data. He has devised several new ways of performing massive statistical searches and optimizations efficiently, in several cases accelerating state-of-the-art by a factor of 1000. His research group, The Auton Lab (<http://www.autonlab.org>) works with Astrophysicists, Biologists, Marketing Groups, Bioinformaticists, Manufacturers and Chemical Engineers. Auton Lab algorithms are now in use in dozens of commercial, university and government applications. Moore's lab is funded by industry and government sources. Research grants have been given by the National Science Foundation (NSF), the National Aeronautics and Space Administration (NASA) and the Defense Advanced Research Projects Agency (DARPA).
- **Farzad Mostashari**
 - Assistant Commissioner, Division of Epidemiology, NYC DOHMH
 - Dr. Mostashari is a national leader and innovator in non-traditional disease surveillance and outbreak detection. He did his graduate training at the Harvard School of Public Health and Yale Medical School, his internal medicine residency at Mass General Hospital, and completed the CDC's Epidemic Intelligence Service. He was a lead investigator in the outbreaks of West Nile Virus and anthrax in New York City. He is a fellow of The New York Academy of Medicine's Center for Urban Epidemiologic Studies, a Clinical Assistant Professor at Weill Cornell Medical College, and an Assistant Commissioner at the NYC Department of Health.
- **Elaine Newton**
 - PhD Candidate at Carnegie Mellon and Researcher at RAND
 - Elaine Newton is a doctoral student in the School of Engineering and Public Policy at Carnegie Mellon and has been a researcher at RAND since September 1999. Currently, she is a Principal Investigator for a project with DARPA's Human ID at a Distance Program, for which she provides technical and analytical consulting. Previously at RAND, she has co-authored "Army Biometric Applications: Identifying and Addressing Sociocultural Concerns," "Federal R&D Activities: A Profile of the Fifty States, the District of Columbia, and Puerto Rico, and Federal Funding of Mathematics Education Research: A Compendium" (forthcoming). She was also an editor of "A Review of the Scientific Literature As It Pertains to Gulf War Illnesses, Volume 5: Chemical and Biological Warfare Agents." Before joining RAND, Ms. Newton worked as a researcher and office manager for the Center for Science, Policy, and Outcomes, a Columbia University project in Washington, DC, and in the environmental engineering field at the Quaker Oats Company, Law Engineering and Environmental Services, and RUST Environment and Infrastructure. Ms. Newton is a graduate of Georgia Tech's School of Earth and Atmospheric Sciences.
- **Paula Olsiewski**
 - Program Director, Alfred P. Sloan Foundation
 - Dr. Olsiewski joined the Alfred P. Sloan Foundation in 2000 and serves as Program Director. Dr. Olsiewski received a B.S. in Chemistry from Yale College in 1975 and a Ph.D. in Biological Chemistry from MIT in 1979. Dr. Olsiewski has served in many

capacities in the biotech and biomedical community. She directed the New York City Biotechnology Initiative, a state-funded program under the auspices of the New York Biotechnology Association, to improve the region's ability to grow biotechnology companies by fostering relationships between academia and industry. She established and directed the technology licensing office at the Hospital for Special Surgery, an affiliate of Weill Medical College of Cornell University. Dr. Olsiewski has served as a consultant on numerous projects, providing technical analysis of biomedical companies and technologies for investment banking groups and state economic development agencies. She worked for nine years at Enzo Biochem, Inc., a publicly traded biotechnology company, where she directed commercial development activities for a variety of in vitro diagnostic products. Dr. Olsiewski is a member of numerous advisory committees and boards. She is Chairman of the Board of Trustees of Asphalt Green, Inc., a not-for-profit organization dedicated to assisting individuals of all ages and backgrounds achieve health through a lifetime of sports and fitness.

- **Michael Osterholm**

- Director, Center for Infectious Disease Research and Policy, University of Minnesota
- Dr. Osterholm is the director of the Center for Infectious Disease Research and Policy at the University of Minnesota. He is also a professor in the School of Public Health. Following the September 11th terrorist attacks, Dr. Osterholm was appointed to the Secretary's Advisory Council of Public Health Preparedness, Department of Health and Human Services (HHS) and currently serves as a Special Advisor to the Office of Public Health Preparedness in HHS. On April 1, 2002, Dr. Osterholm was appointed by Secretary Tommy G. Thompson to be the secretary's representative on the interim management team to lead the Centers for Disease Control and Prevention (CDC). With the appointment of Dr. Julie Gerberding as director of the CDC on July 3rd, Dr. Osterholm has now been asked by the Secretary Thompson to assist Dr. Gerberding on his behalf during the transition period.
- Dr. Osterholm served for 24 years (1975-1999) in various roles at the Minnesota Department of Health (MDH), the last 15 years as state epidemiologist and chief, Acute Disease Epidemiology Section. While at the MDH, Osterholm and his team were leaders in the area of infectious disease epidemiology. He has led numerous investigations of outbreaks of international importance, including foodborne diseases, the association of tampons and toxic shock syndrome, the transmission of hepatitis B in health care settings and human immunodeficiency virus infection in health care workers. In addition, they conducted numerous studies regarding infectious diseases in child day care, vaccine-preventable diseases, particularly Haemophilus influenzae, type b and hepatitis B virus vaccines, Lyme disease, and other emerging infections. Osterholm's team was one of the first to call attention to the changing epidemiology of foodborne diseases. Recently, Dr. Osterholm has been a national leader detailing the growing concern regarding the use of biological agents as catastrophic weapons in civilian populations. In that role, he served as a personal advisor to the late King Hussein of Jordan. Dr. Osterholm provides a comprehensive and pointed review of America's current state of preparedness for a bioterrorism attack in his New York Times best-selling book, Living Terrors: What America Needs to Know to Survive the Coming Bioterrorist Catastrophe, published by Delacourte Press.

- Osterholm is the author of more than 285 papers and abstracts including 18 book chapters regarding infectious disease epidemiology. He is a frequently invited guest lecturer around the world on numerous areas of infectious disease epidemiology. He serves on the editorial boards of five journals including The Infection Control and Hospital Epidemiology, and Microbial Drug Resistance: Mechanisms, Epidemiology and Disease, and is a reviewer for 24 additional journals, including The New England Journal of Medicine, Journal of the American Medical Association, and Science. He is past president of the Council of State and Territorial Epidemiologists (CSTE) and served on the National Center for Infectious Diseases, Centers for Disease Control and Prevention (CDC) Board of Scientific counselors from 1992 to 1997. He serves on the National Academy of Sciences, Institute of Medicine (IOM), Committee on Emerging Microbial Threats to Health in the 21st Century and the IOM Forum on Emerging Infections. He has also served on the IOM Committee on Food Safety, Production to Consumption, and as a reviewer for the IOM report on chemical and biological terrorism. As a member of the American Society for Microbiology, serves on the Public and Scientific Affairs Board (where he chairs the Public Health Committee), the Task Force on Biological Weapons and the Task Force on Antibiotic Resistance. He is a frequent consultant to the World Health Organization, the National Institutes of Health (NIH), the Food and Drug Administration (FDA), the Department of Defense and the CDC. He is a Fellow in the American College of Epidemiology, and the Infectious Diseases Society of America (IDSA). Osterholm has received numerous honors for his work, including the "Pump Handle Award," CSTE; the Charles C. Shepard Science Award, CDC; the Harvey W. Wiley Medal, FDA; the "Squibb Award," IDSA; and the Wade Hampton Frost Leadership, American Public Health Association. Osterholm has been the recipient of five major research awards from the NIH and CDC.
- **Marcello Pagano**
 - Professor of Statistical Computing, Biostatistics, Harvard School of Public Health
- **Julie Pavlin**
 - Lieutenant Colonel, US Army Chief, Strategic Surveillance, DOD - Global Emerging Infectious System
 - Lieutenant Colonel Julie Pavlin received a bachelors degree in 1986 from Cornell University, her MD degree in 1990 from Loyola University and her Masters in Public Health from Harvard University in 1993. She completed a residency in Preventive Medicine and is board certified in General Preventive Medicine and Public Health. She also holds the Certificate of Knowledge in Tropical Medicine and Travelers' Health from the American Society of Tropical Medicine and Hygiene. Following residency training, her positions have included: Chief of Epidemiology for US Forces in Korea, Assistant Chief of the Operational Medicine Division at the US Army Medical Research Institute of Infectious Diseases (USAMRIID) and currently the Chief, Field Studies Department in the Division of Preventive Medicine at the Walter Reed Army Institute of Research (WRAIR). While at USAMRIID, Major Pavlin was the executive producer of two satellite broadcasts on the response to the medical management of biological casualties. She has published on the epidemiology, recognition and treatment of biological casualties. She currently devotes most of her time designing surveillance systems in support of the DoD Global Emerging

Infections Surveillance and Response System. Projects she is working on include innovative real-time health indicator surveillance systems for the early recognition of disease outbreaks and bioterrorism, as well as global influenza surveillance, and specific surveillance projects in Uganda and Uzbekistan.

- **Robert Pinner**

- Director, Office of Surveillance, National Center for Infectious Diseases, CDC
- Robert W. Pinner, M.D. is Director of the Office of Surveillance in the National Center for Infectious Diseases, Centers for Disease Control and Prevention (CDC). He received a B.A. from Yale University (1972) and an M.D. from the Emory University School of Medicine (1981). He is board certified in internal medicine and infectious diseases. Dr. Pinner joined the CDC Epidemic Intelligence Service in 1988 in the bacterial Meningitis and Special Pathogens Branch. He participated in the development and implementation of CDC's plan to address emerging infections and is CDC's principal coordinator of the Emerging Infections Program network. He is currently involved in planning and implementing the CDC's National Electronic Diseases Surveillance System (NEDSS). Dr. Pinner was closely involved in last fall's anthrax investigations, focusing on the investigations in New Jersey. Dr. Pinner has published on trends in infectious disease mortality and the epidemiology of several bacterial and fungal diseases, including meningococcal disease, listeriosis, and cryptococcosis.

- **Richard Platt**

- Professor, Ambulatory Care and Prevention, Harvard Medical School, Harvard Pilgrim Health Care
- Richard Platt M.D., M.Sc. (Epidemiology) is Professor and Acting Chair of the Harvard Medical School Department of Ambulatory Care and Prevention. He is also the Director of Research at Harvard Pilgrim Health Care - a large HMO in New England, and Hospital Epidemiologist at Brigham and Women's Hospital. He is a member of the Board of Scientific Counselors of the CDC's Center for Infectious Diseases, the former chair of the NIH study section, Epidemiology and Disease Control 2, former chair of the CDC Office of Health Care Partnerships steering committee, and a member of the executive committee of the HMO Research Network. His research focuses on developing multi-institution automated record linkage systems for use in pharmacoepidemiology and population based surveillance and control of both hospital and community acquired infections.

- **Henry Rolka**

- Branch Chief, National Immunization Program, Data Management Division, Statistical Analysis Branch, CDC
- Henry Rolka is the Branch Chief of the Statistical Analysis Branch in the National Immunization Program (NIP). He completed his Master's degree in Statistics at Kansas State University after which he came to the CDC and worked as a statistical consultant for the Epidemic Intelligence Service Program for 5 years prior to his current position at NIP. He also has a graduate degree in Health Services Administration and has worked in hospital quality assurance. His history with vaccine research dates back to the 1970s to his years as a Registered Nurse coordinating clinical trials for the original hepatitis B vaccine (Heptavax ®) in New York City dialysis units and as a project manager for using that vaccine in an endemic

population in South Africa. Currently his branch shares the responsibility for developing analytic methods to enhance data use in post marketing vaccine safety.

- **Gary Simpson**

- Medical Director, Infectious Diseases, New Mexico Department of Health
- Dr. Gary Simpson is an infectious disease specialist with the New Mexico State Department of Health. He has an MD, a PhD in molecular biology, and a Master's of Public Health. He was educated at the University of Illinois, Rush Medical College, Balliol College (Oxford), and the Harvard School of Public Health and has more than 20 years experience in academic medicine and public health.

- **Daniel Sosin**

- Director, Division of Public Health Surveillance and Informatics, CDC
- Dr. Daniel M. Sosin is the Director of the Division of Public Health Surveillance and Informatics in the Epidemiology Program Office (EPO), at the Centers for Disease Control and Prevention (CDC) in Atlanta, Georgia. He began his career at CDC in 1986 as an Epidemic Intelligence Service (EIS) Officer in the U.S. Public Health Service assigned to the Kentucky Department for Health Services in Frankfort, Kentucky. He served as a CDC Preventive Medicine Resident in the Division of Injury Epidemiology and Control in 1988-89. He supervised state-based EIS Officers as a Section Chief in EPO from 1989-1994 and then returned to the National Center for Injury Prevention and Control (NCIPC) to study traumatic brain injury (TBI) and develop longitudinal surveillance of TBI. Dr. Sosin's scientific investigations include numerous epidemiologic investigations of TBI, including those resulting from motorcycle and bicycle crashes, adolescent risk behaviors, and a range of outbreak investigations. He later served as the Associate Director for Science in NCIPC where he coordinated national injury surveillance and extramural research activities, spearheading their new research agenda and a variety of research policies.
- Dr. Sosin is board certified in preventive medicine and internal medicine. He received his B.S. in biology from the University of Michigan; his M.D. from Yale University School of Medicine; and his M.P.H. in Epidemiology from the University of Washington School of Public Health.
- As Director, Dr. Sosin has responsibilities in planning, managing and evaluating Division programs of National Electronic Telecommunications System for Surveillance, the National Notifiable Disease Surveillance System, 122 Cities Mortality Reporting System, the Public Health Informatics Fellowship Program, the Assessment Initiative, CDC WONDER and web-access to CDC data sets, Epi Info, and the Medical Examiner and Coroner Information Sharing Program. He also serves as a senior advisor for surveillance policy, research, and program direction. Dr. Sosin currently serves as a Clinical Assistant Professor of Medicine at Emory University. He serves as a scientific reviewer for various medical journals. Professional memberships include the American College of Physicians (Fellow), the American College of Preventive Medicine, the American Medical Association, and the Commissioned Officers= Association - U.S. Public Health Service.

- **Latanya Sweeney**

- Assistant Professor of Computer Science, Technology and Policy at Carnegie Mellon University

- A pioneer in a new area of computer science called "data anonymity," Latanya Sweeney, Ph.D., develops computer systems that de-identify individual database records to provide scientific assurances that no one can be re-identified. This approach retains sufficient detail to ensure that the databases remain meaningful and useful for research and analysis. This is done by identifying inferences that can be drawn from specific elements of data and controlling the disclosure of those elements to provide scientific guarantees of anonymity, a process called "computational disclosure control."
- Since 1998, Dr. Sweeney has been an Assistant Professor of Computer Science, Technology and Policy at Carnegie Mellon University, where she teaches data privacy in the School of Computer Science and directs the Laboratory for International Data Privacy. She continues to develop commercial and academic products in the area of data privacy and publishes and talks extensively throughout the world on problems and solutions of anonymizing data in the age of the Internet.
- After studying computer science and electrical engineering at the Massachusetts Institute of Technology (MIT), where she also was a research staff assistant in the Artificial Intelligence Laboratory, Dr. Sweeney in 1981 founded CESS Computers, a provider of retail and customized software services, which she managed until 1991.
- While earning an A.L.B. in computer science at Harvard University, where she graduated summa cum laude in 1995, Dr. Sweeney taught graduate and undergraduate students at Harvard's summer and extension schools. She then returned to MIT for an S.M. in electrical engineering and computer science and a Ph.D. in computer science, which she completed in 2001. During much of that time, Dr. Sweeney also was an Informatics Fellow at the National Library of Medicine.
- In addition to her recent work at Carnegie Mellon University, Dr. Sweeney has been a key participant since 2000 in a bio-terrorism surveillance project with the Department of Defense and Johns Hopkins University. Dr. Sweeney has received numerous awards and commendations, most recently the American Psychiatric Association's Privacy Advocate Award in 2001.
- In addition to numerous scholarly publications, Dr. Sweeney's ground-breaking research in data privacy has been featured in Consumer Reports, Newsweek, Newsday, Business Week, and The Wall Street Journal, as well as on the television news magazine 20/20. Dr. Sweeney is a member of the Association for Computing Machinery (ACM), the Institute of Electrical and Electronic Engineers (IEEE), the American Medical Informatics Association (AMIA) and the American Association for Artificial Intelligence (AAAI).
- **Bill Thompson**
 - Epidemiologist, Vaccine Safety Branch, National Immunization Program, CDC
 - William W. Thompson, PhD, is an Epidemiologist with the Vaccine Safety Branch of the National Immunizations Program (NIP). He received a B.S. in Zoology and Psychology from the University of Wisconsin-Madison in 1987, and completed his PhD in Psychology at the University of Virginia in 1994. Since completing his PhD in Psychology, he was employed as a research scientist with Abt Associates Inc. and developed latent trait measurement models for the US Centers for Disease Control, US Department of Education, and US Department of Agriculture. In 1996 he was hired by Merck & Co to develop longitudinal methods for characterizing physician

prescribing behavior for recently launched drug products. In 1998, he was hired as a biostatistician by the CDC Influenza Branch in the National Centers for Infectious Diseases where he developed innovative statistical models for assessing influenza-associated morbidity and mortality. In 2001, he accepted an epidemiology position with NIP. His research at NIP has focused on studies examining associations between childhood vaccines and subsequent neuropsychological development.

- **Tracee Treadwell**

- Chief, Surveillance Section, Bioterrorism Preparedness and Response Program, National Center for Infectious Diseases, CDC

- **Lorna VanderZanden**

- Lieutenant Colonel, US Army, Program Manager, Medical Surveillance, Biological Defense Initiative, Defense Threat Reduction Agency
- Lieutenant Colonel Lorna VanderZanden received a bachelors degree in biology from Lewis and Clark College in 1980 and a Doctor of Veterinary Medicine degree from Colorado State University in 1985. She began active duty service with the US Army in 1986, serving in Utah and at Tripler Army Medical Center. She returned to Colorado State and earned a PhD in Microbiology in 1996, after studying plasmid DNA in *Borrelia burgdorferi*. She joined the US Army Medical Research Institute of Infectious Diseases (USAMRIID), where she worked on viral vaccine R&D, particularly DNA vaccines for Ebola, Marburg, tick-borne encephalitis, and hanta viruses. Her next tour involved medical planning, programming and budgeting, as well as Congressional Special Interest programs, for Headquarters of the US Army Medical Research and Materiel Command. She joined the Defense Threat Reduction Agency in April 2002, to manage the Medical Surveillance program for the Biological Defense Initiative, which is operated at the request of the Office of Homeland Security. She is board certified by the American College of Veterinary Preventive Medicine and serves as Executive Board Member-at-Large for the Washington, DC, Veterinary Medical Association.

- **David Vlahov**

- Director, Center for Urban Epidemiologic Studies, New York Academy of Medicine
- David Vlahov is Director of the Center for Urban Epidemiologic Studies (CUES) at The New York Academy of Medicine. He is also an Adjunct Professor of Public Health at the Joseph L. Mailman School of Public Health at Columbia University, and holds an adjunct appointment in Epidemiology at the Johns Hopkins School of Public Health in Baltimore.
- Dr. Vlahov completed his BSN and MS in nursing at the University of Maryland, and his Ph.D. in epidemiology at Johns Hopkins. He has extensive experience in the design, conduct, and analysis of infectious disease epidemiological studies. He has been Principal Investigator of the Natural History of HIV Infection among Injection Drug Users (the ALIVE Study), which has recruited and semiannually followed over 3,000 injection drug users in Baltimore. The study has been instrumental in estimating HIV incidence and in identifying risk factors for HIV infection, as well in understanding the prognostic factors for the development of AIDS in this population. The study has led to other funded investigations including the pathogenesis of HIV infection and other retroviruses, and studies of tuberculosis, sexually transmitted

- diseases and hepatitis viruses. For the ALIVE study, the National Institutes of Health recognized Dr. Vlahov with the MERIT Award.
- Dr. Vlahov was also a Principal Investigator of the HERS study, funded by the Centers for Disease Control and Prevention (CDC) to investigate gender-specific factors associated with HIV progression in women. In addition, Dr. Vlahov has been involved with evaluation of HIV prevention activities including the Needle Exchange Programs in Washington, D.C. and Baltimore. Dr. Vlahov has recently been identified as a Principal Scientist for the evaluation of the New York State Expanded Syringe Access Demonstration Project. Dr. Vlahov's expertise was called upon as a member of a panel of the National Academy of Sciences and as a presenter at a 1997 NIH Consensus Development Conference on HIV Prevention, as well as for membership on the NIH Office of AIDS Research Prevention Sciences Working Group.
 - More recently, Dr. Vlahov has received funding from NIH and the CDC to conduct epidemiologic intervention studies of HIV prevention in Harlem and the South Bronx involving recruitment of young adult, recent onset injection and non-injection drug users. Additional studies are underway to study the epidemiology of hepatitis C virus infection among injection and non-injection drug users in these communities. Dr. Vlahov has recently become principal investigator of a CDC Urban Research Center to study the social determinants of health with an emphasis on the impact of substance abuse on the community in East and Central Harlem, in collaboration with the New York City Department of Health, Columbia University and Hunter College. From these investigations, Dr. Vlahov has over 280 publications in peer-reviewed journals. Dr. Vlahov has also been the primary advisor for twenty doctoral and post-doctoral students. He is also the editor-in-chief of the Journal of Urban Health: Bulletin of The New York Academy of Medicine.
- **Don Weiss**
 - Medical Director of Surveillance, Communicable Disease Bureau, NYC DOHMH
 - Don Weiss is a medical epidemiologist with the New York City Department of Health and Mental Hygiene. He received his medical degree from the University of Medicine and Dentistry of New Jersey, completed a residency in pediatrics at the Albert Einstein College of Medicine/Montefiore Medical Center and a masters of public health in epidemiology from St. Louis University.
 - He is the surveillance medical director for the Bureau of Communicable Disease that includes overseeing the syndromic surveillance unit. Before joining the New York City Department of Health in June of 2000 he was with the St. Louis City Department of Health and taught epidemiology at St. Louis University School of Public Health.
 - **Mitch Wolfe**
 - Medical Epidemiologist, Division of HIV/AIDS Prevention, CDC
 - Dr. Wolfe graduated from University of Vermont College of Medicine in 1995, did internship at Santa Rosa Family Practice Residency, and Preventive Medicine Residency with the California Department of Health Services, receiving an MPH from the University of California, Berkeley, and working for one year in the Sonoma County Department of Health. He then entered the Epidemic Intelligence Service, and was assigned to the National Center for Environmental Health, where he worked on a study of Infectious Disease Surveillance using medical examiners, a study of lead

levels in children in Cairo, and several field investigations including an outbreak of syphilis in prisons in Alabama, and the forest fires in Los Alamos, New Mexico. In response to the anthrax bioterrorist attacks, Dr. Wolfe worked on syndromic surveillance techniques, enhanced surveillance for bioterrorism-related illness at the 2001 World Series with the Arizona Department of Health, ICD code-based electronic disease surveillance, and medical examiner-based syndromic surveillance. He is currently a medical epidemiologist in the Division of HIV/AIDS Prevention at CDC.

- **Alan Zelicoff**