

## Carrie D. Tomasallo, PhD, MPH

Wisconsin Division of Public Health  
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### Education

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PhD in Epidemiology, Division of Epidemiology and Biostatistics University of Arizona, Zuckerman College of Public Health, Tucson, AZ	12/2007
MPH, Department of Health Policy and Management Columbia University, Mailman School of Public Health, New York, NY	5/1999
BA in Chemistry Bryn Mawr College, Bryn Mawr, PA	5/1997

### Professional Experience

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<b>Senior Epidemiologist, Bureau of Environmental and Occupational Health</b> Wisconsin Department of Health Services, Division of Public Health, Madison, WI	11/2012 - present
<ul style="list-style-type: none"><li>• Provides leadership and support to the WI Asthma Program; responsible for all statewide asthma surveillance and epidemiological activities for asthma and environmental risk factors, including data needs assessment and planning, data collection, data management, statistical analysis of state and national datasets, and survey design and coordination</li><li>• Manages several projects: production of comprehensive asthma statistics report, routine data requests, program evaluation efforts, development of new surveillance protocols including establishment of new surveillance partnerships</li><li>• Conducts other activities including regular review of scientific literature for asthma prevalence, incidence and risk factor information; refinement of surveillance and investigation protocols; development of reports, peer reviewed manuscripts, publications, and grant applications as they relate to asthma. Author surveillance sections of the asthma grant continuation application, narratives for the annual report and progress reports</li><li>• Provides leadership to the WI Occupational Health Surveillance Program, in both surveillance activities and program management: development of work-related asthma surveillance, development of CSTE/NIOSH and state-specific indicators, ABLES cooperative agreement data submission and progress reports, oversight of occupational disease follow-back surveillance of elevated blood lead levels and epidemiological investigations</li><li>• Develops procedures for manipulating and analyzing large health datasets to characterize the impact of asthma and occupational disease in WI: weighted survey (BRFSS and ACBS), hospitalization, ED visit, mortality, clinical EHRs, ABLES data, workers' compensation claims, Census files, Bureau of Labor Statistics</li><li>• Provides epidemiologic leadership and support to other programs within BEOH and DPH: developed a new heat-related illness data collection tool to be used for surveillance during extreme heat advisories; served as report consultant for several DPH programmatic areas of HW 2020/Minority Health Report development.</li></ul>	
<b>Epidemiologist, Bureau of Environmental and Occupational Health, WI Asthma Program</b> Wisconsin Department of Health Services, Division of Public Health, Madison, WI	1/2009 – 10/2012
<ul style="list-style-type: none"><li>• Conducted all statewide asthma surveillance and epidemiological activities for asthma and environmental risk factors, needs assessment and planning, data collection, data management, statistical analysis of state and national datasets, and survey design and coordination</li></ul>	
<b>Adjunct Associate Professor, Population Health Sciences</b> University of Wisconsin, School of Medicine and Public Health, Madison, WI	1/2009 - present
<ul style="list-style-type: none"><li>• Provides annual lectures on asthma in an environmental health course and chronic disease surveillance in an advanced epidemiologic methods course; leads small group discussion for a population medicine and epidemiology course</li></ul>	
<b>Epidemiologist, Bureau of Environmental and Occupational Health</b> Wisconsin Department of Health Services, Division of Public Health, Madison, WI	1/2008 - 1/2009
<ul style="list-style-type: none"><li>• Completed study of Great Lakes sport fish consumption and cardiovascular mortality. Utilized the National Death Index to ascertain vital status and cause of death for cohort members, managed data, performed statistical analyses, prepared final grant report and manuscript for journal submission</li><li>• Grant-writing activities, including the research methods and analyses sections for Bureau grants</li><li>• Coordinated a study of Wisconsin mercury exposure from fish consumption</li></ul>	

**Data Manager, Department of Epidemiology**

7/2003 - 8/2007

Columbia University, Mailman School of Public Health, New York, NY

- Managed data for study of prostate cancer mortality and herbicide exposure in Vietnam veterans
- Maintained all relational databases with military unit assignments, document image files and processed files
- Statistical analyses and calculation of death rates and proportional and standardized mortality ratios
- Generated reports for Principal Investigator, prepared reports for the death certificate validation studies

**Teaching Assistant, Division of Epidemiology and Biostatistics**

8/2004 – 5/2006

University of Arizona, Zuckerman College of Public Health, Tucson, AZ

- Courses: Biostatistics in Public Health, Biostatistics for Research, and Epidemiologic Methods

**Project Coordinator, Department of Health Policy and Management**

5/1999 - 6/2003

Columbia University, Mailman School of Public Health, New York, NY

- Coordinated the National Academy of Science veterans' health study, "Herbicides in Vietnam: Developing Methods for Characterizing the Exposure"
- Research activities including, development and maintenance of a large database of troop locations and spray data, data abstraction from military records, survey data quality control, creation of reports for Project Director

**Technical Skills**

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- Expertise using Microsoft Access Suite: Access and Excel for database management, Word, PowerPoint
- Proficient in SAS and STATA data analysis and statistical software; basic SPSS knowledge
- Trained in survey development software: Select Survey and mapping software: ArcGIS

**Awards and Honors**

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Outstanding Graduate Teaching Assistant Award, University of Arizona, Zuckerman College of Public Health	4/2006
Outstanding Epidemiology Qualifying Exam, University of Arizona, Zuckerman College of Public Health	8/2004
Alumni Regional Scholar, Bryn Mawr College	9/1995

**Selected Presentations and Publications**

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Meiman J, Tomasallo C, Paulozzi L. Trends and characteristics of heroin overdoses in Wisconsin, 2003-2012. *Drug Alcohol Depend.* 2015; 152:177-84.

Meiman J, Anderson H, Tomasallo C. Hypothermia-related deaths – Wisconsin, 2014, and United States, 2003-2013. *MMWR Morb Mortal Wkly Rep.* 2015; 64(6):141-3.

Chang TS, Gangnon RE, David Page C, Buckingham WR, Tandias A, Cowan KJ, Tomasallo CD, Arndt BG, Hanrahan LP, Guilbert TW. Sparse modeling of spatial environmental variables associated with asthma. *J Biomed Inform.* 2015; 53:320-9.

Tomasallo CD, Hanrahan LP, Tandias A, Chang TS, Cowan KJ, Guilbert TW. Estimating Wisconsin asthma prevalence using clinical electronic health records and public health data. *Am J Public Health* 2014; 104(1):e65-73.

Tomasallo C. Burden of asthma in Wisconsin 2013. Wisconsin Department of Health Services. PPH 45055 (Rev. 05/13).

Tomasallo C. Asthma surveillance: characterizing patients who had multiple asthma emergency department visits or hospitalizations in 2011 and during the 5-year period, 2007-2011. Presented at 2013 Council of State and Territorial Epidemiologists (CSTE) Annual Conference.

Guilbert TW, Arndt B, Temte J, Adams A, Buckingham W, Tandias A, Tomasallo C, Anderson HA, Hanrahan L. The theory and application of UW ehealth-PHINEX, a clinical electronic health record-public health information exchange. *WMJ* 2012; 111(3):124-33.

Tomasallo C. Estimating Wisconsin asthma prevalence using clinical Electronic Health Records and public health data. Presented at 2011 Council of State and Territorial Epidemiologists (CSTE) Annual Conference.

Knobeloch L, Tomasallo C, Anderson H. Biomonitoring as an intervention against methylmercury exposure. *Public Health Reports* 2011; 126(4):568-74.

Tomasallo C, Anderson H, Haughwout M, Imm P, Knobeloch L. Mortality among frequent consumers of Great Lakes sport fish. *Environmental Research* 2010; 110(1):62-9.

Tomasallo C. Asthma surveillance: patterns of comorbidities in patients with asthma. Presented at 2010 Council of State and Territorial Epidemiologists (CSTE) Annual Conference.

Stellman J, Stellman S, Christian R, Weber T, Tomasallo C. The extent and patterns of usage of Agent Orange and other herbicides in Vietnam. *Nature* 2003; 422:681-7

Stellman J, Stellman S, Weber T, Tomasallo C, Stellman A, Christian R. A geographic information system for characterizing exposure to Agent Orange and other herbicides in Vietnam. *Environmental Health Perspectives* 2003; 111:321-8.