

Christine M. Layton
Curriculum Vitae

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Education

- Ph.D. THE JOHNS HOPKINS BLOOMBERG SCHOOL OF PUBLIC HEALTH, Baltimore, MD (1999).
- M.P.H. YALE UNIVERSITY SCHOOL OF PUBLIC HEALTH, New Haven, CT (1990).
- B.A. HAMPSHIRE COLLEGE, Amherst, MA (1988).

Employment

- 2015-present Independent Consultant, CHRISTINE LAYTON, LLC, Baltimore, MD.
- 2015 Ebola Research Manager, JOHNS HOPKINS CENTER FOR COMMUNICATION PROGRAMS, Baltimore, MD.
- 1999-2014 Public Health Researcher, RTI INTERNATIONAL, Washington, DC.
- 1995-1998 Analyst, BALTIMORE CITY HEALTHY START FETAL AND INFANT MORTALITY REVIEW PROJECT, Baltimore, MD.
- 1992-1994 Project Manager, NATIONAL ASSOCIATION OF COUNTY AND CITY HEALTH OFFICIALS, Washington, DC.
- 1990-1992 Health Division Fellow, CHILDREN'S DEFENSE FUND, Washington, DC.

Research Experience

- 2015 HEALTH COMMUNICATIONS CAPACITY COLLABORATIVE (HC3) EBOLA RESEARCH AND EVALUATION. Managed research, monitoring and evaluation of social and behavioral change activities as part of US Agency for International Development's (USAID's) response to Ebola-affected nations in West Africa.
- 2012-2014 INITIAL ASSESSMENT AND EVALUATION OF THE PUBLIC HEALTH TRAINING CENTERS PROGRAM. Led qualitative data collection and survey development as part of Health Services and Resources Administration (HRSA)-funded evaluation of its Public Health Training Centers (PHTC) Program.

- 2005-2014 MODELS FOR INFECTIOUS DISEASE AGENT STUDY (MIDAS). Immunization and public health advisor to National Institutes of Health/National Institute of General Medical Sciences–funded project.
- 2012-2013 VAXSCENE. Collaborated with colleagues in RTI’s Survey Research Division to develop internally-funded project to create a novel, web-based tool to visualize immunization coverage data at the local level using existing data.
- 2010-2012 COMMUNITIES PUTTING PREVENTION TO WORK: CASE STUDY EVALUATION. Led case study site visits as part of Centers for Disease Control and Prevention (CDC)-funded evaluation of states’ and communities’ policy, systems, and environmental (PSE) changes to reduce obesity and tobacco use.
- 2010-2012 STRENGTHENING THE EVIDENCE BASE: MONITORING VACCINATION COVERAGE AND EXEMPTIONS AMONG KINDERGARTENERS. Directed CDC-funded study to improve immunization grantees’ monitoring of vaccination and exemptions in kindergarteners.
- 2010-2011 IMPACT OF A MODERN BARCODE FOR VACCINE PRODUCTION, CLINICAL DOCUMENTATION, PUBLIC HEALTH REPORTING AND TRACKING. Co-PI of CDC-funded evaluation of the implications associated with including a two-dimensional barcode (data matrix) on vaccine products.
- 2010-2011 CHIPRA OF 2009: EVALUATIONS OF SECTIONS 201 AND 503. Led evaluation of grants to improve enrollment and retention of Indian children in Medicaid and CHIP for a Centers for Medicare & Medicaid Services (CMS)-funded project. Evaluation included assessment of quarterly and annual reports as well as interviews with grantees.
- 2010-2012 EVALUATING INFLUENZA VACCINATION OF SCHOOL-AGED CHILDREN IN A SCHOOL SETTING. Scientific advisor for CDC-funded evaluation of school-based vaccination programs.
- 2008-2010 FORMATIVE RESEARCH ABOUT PANDEMIC INFLUENZA IN WOMEN WHO ARE OR MAY BECOME PREGNANT. Led portions of CDC-funded, formative research study to identify issues related to pandemic influenza preparedness and response for pregnant or potentially-pregnant women.
- 2008-2009 STUDY OF MANUFACTURER PREFILLED SYRINGES FOR VACCINE ADMINISTRATION. Directed BD-funded study to identify the role of manufacturer prefilled syringes (MPFS) in vaccine administration.
- 2007-2009 A BUSINESS CASE FOR HEALTH PLAN PROVIDER INCENTIVES AS DOCUMENTED BY AN IMMUNIZATION INFORMATION SYSTEM TO ACHIEVE SELECT HEALTH PLAN PERFORMANCE MEASURES FOR CHILDHOOD IMMUNIZATIONS. Directed study for CDC to evaluate a managed care

organization's use of a state-level immunization information system to improve rates of childhood immunization.

- 2007-2008 **FORMATIVE AND SUMMATIVE EVALUATION FOR PANDEMIC INFLUENZA INFORMATION.** Led portion of CDC-funded study to evaluate pandemic preparedness information materials for persons experiencing homelessness as part of larger study examining vulnerable and hard-to-reach populations' preparedness efforts.
- 2006-2008 **VACCINE SUPPLY, DEMAND AND ECONOMIC FACTORS: CAUSES OF VACCINE SHORTAGES.** Directed study to identify factors associated with shortages of vaccine within the United States between 1986 and 2006 for the U.S. Department of Health and Human Services, Office of the Assistant Secretary for Planning and Evaluation (ASPE).
- 2006-2008 **VACCINE AND IMMUNIZATION POLICY SUPPORT.** Directed project to identify public health policy and practice issues relevant to vaccine and immunization policies for GlaxoSmithKline.
- 2006-2008 **ECONOMIC ISSUES IN SEASONAL INFLUENZA VACCINATION.** Advised ASPE-funded study to create economic model of seasonal influenza vaccine use by various subgroups.
- 2005-2006 **ESTIMATING THE COST EFFECTIVENESS OF ALTERNATIVE STRATEGIES FOR INCREASING IMMUNIZATION COVERAGE RATES IN CHILDREN.** Advised CDC-funded evaluation comparing the cost effectiveness of three approaches for improving children's immunization coverage rates: provider assessment and feedback, client reminder/recalls, and WIC program approaches.
- 2005-2006 **METHODS FOR PREFERENCE-BASED CONJOINT DECISION ANALYSIS OF PARENTS.** Directed focus groups for CDC-funded study to determine opinions of parents of infants regarding newborn screening tests.
- 2003-2006 **317 IMMUNIZATION GRANT PROGRAM EVALUATION.** Led evaluation of program and management as part of a comprehensive evaluation of CDC's 317 Immunization Grant Program.
- 2002-2006 **ASSESSMENT OF LOSS TO FOLLOW-UP IN STATE EARLY HEARING DETECTION AND INTERVENTION.** Led the development of focus group discussion guides for study of five states' early childhood hearing detection and intervention (EHDI) programs for the CDC.
- 2002-2006 **PREGNANCY RISK ASSESSMENT MONITORING SYSTEM PROGRAM (PRAMS) EVALUATION.** Developed methodology and design for internal assessment of the CDC PRAMS program, which included the development of discussion guides for individuals and groups.

- 2004-2005 UNDERSTANDING THE DYNAMICS OF INFLUENZA VACCINE SUPPLY AND DEMAND. Directed follow-up of a previous study, ANNUAL INFLUENZA VACCINE DISTRIBUTION, for ASPE. This project updated the previous study by producing a series of issue briefs for public health policy makers and legislators to include influenza vaccine demand, economics, manufacture, distribution, and related issues.
- 2003-2005 EVALUATION OF THE INSTITUTE OF MEDICINE'S IMMUNIZATION SAFETY REVIEW COMMITTEE. Assessed stakeholders' use of the Institute of Medicine's Immunization Safety Review Committee's reports.
- 2004-2005 EVALUATING NEW SOCIAL MARKETING CAMPAIGNS THAT SUPPORT "ADVANCING HIV PREVENTION: NEW STRATEGIES FOR A CHANGING EPIDEMIC". Moderated focus groups with obstetricians and certified nurse midwives as part of an evaluation of materials to be used in an information campaign designed to reduce perinatal HIV transmission.
- 2002-2004 STATE WORKSHOPS TO PROMOTE EVIDENCE-BASED DECISION-MAKING USING THE GUIDE TO COMMUNITY PREVENTIVE SERVICES. Co-led the startup of CDC evaluation of workshops to implement the *Guide to Community Preventive Services* at the state level.
- 2001-2002 EVALUATION OF THE OPIOID TREATMENT PROGRAM ACCREDITATION PROJECT. Evaluated the anticipated impact of accreditation on treatment programs for opioid addiction for the Health Resources and Services Administrations' (HRSA's) Center for Substance Abuse Treatment (CSAT).
- 2000-2001 SURGES IN DEMAND FOR HEALTH CARE SERVICES DURING THE 1999–2000 INFLUENZA SEASON: LESSONS LEARNED. Directed ASPE assessment of surge capacity based on the 1999–2000 influenza season.
- 2000-2001 ANNUAL INFLUENZA VACCINE DISTRIBUTION SYSTEM. Evaluated seasonal influenza vaccine distribution policies and practice for ASPE.
- 2000-2001 COMMUNITY CAPACITY FOR IMPROVING POPULATION HEALTH: DESIGN AND IMPLEMENTATION STUDY. Directed community case studies as part of project to determine the feasibility of ranking community health indicators for the Robert Wood Johnson Foundation.
- 1999-2001 EVALUATION OF ADULT IMMUNIZATION ACTIVITIES. Evaluated of states' immunization activities targeting the adult population for the CDC's National Immunization Program (NIP).
- 1999-2000 EVALUATION OF SAFE STUDENTS HEALTHY STUDENTS. Led three grantee site visits as part of an evaluation of US Department of Education's demonstration projects.

- 1999-2000 STATE IMPLEMENTATION OF IMMUNIZATION RECOMMENDATIONS AND GUIDANCE. Evaluated technical assistance available to improve adherence with recommendations and guidance for childhood immunizations for the HHS ASPE.
- 1999-2000 PROCESS EVALUATION OF THE VACCINES FOR CHILDREN PROGRAM. Advised survey development as part of evaluation of the Vaccines for Children Program in the State of South Carolina for the CDC.
- 1999 CONSUMER ASSESSMENT OF HEALTH PLANS STUDY (CAHPS) MEDICARE FEE-FOR-SERVICE REPORTING PROJECT. Evaluated Medicare beneficiaries' information needs when choosing Medicare options.
- 1995-1999 CASE STUDIES OF FETAL AND INFANT MORTALITY REVIEW. Directed Agency for Healthcare Research and Quality (AHRQ)-funded dissertation grant to evaluate how fetal and infant mortality review (FIMR) projects create health policy recommendations.
- 1995-1998 ANALYSIS OF MATERNAL INTERVIEWS ASSOCIATED WITH BALTIMORE CITY HEALTHY START FETAL AND INFANT MORTALITY REVIEW PROJECT. Directed analysis and reporting of maternal interviews for the Baltimore City Healthy Start Fetal and Infant Mortality Review Project.
- 1993-1994 POLICY ANALYSIS OF VACCINES FOR CHILDREN PROGRAM. Assessed and communicated the impact of the Vaccines for Children Program to local health officials.
- 1992-1994 POLICY ANALYSIS OF MATERNAL-FETAL CONFLICT. Collaborated with researchers at the Columbia University School of Public Health's Center for Population and Family Health and Harvard Medical School to examine policies to reduce infant mortality and perinatal transmission of illicit drugs and HIV.
- 1990-1991 ANALYSIS OF MATERNAL AND CHILD HEALTH IN U.S. CITIES. Led analysis of vital statistics to examine maternal and child health in U.S. cities.
- 1990-1991 POLICY ANALYSIS OF EARLY AND PERIODIC SCREENING, DIAGNOSIS, AND TREATMENT (EPSDT) PROGRAM. Examined of states' use of so-called "shadow billing" practices of children receiving Medicaid.
- 1991 EVALUATION OF PRENATAL HOMEVISITING PROGRAM. Evaluated prenatal homevisiting program in rural South Carolina.
- 1989 EVALUATION OF AIDS EDUCATION EFFORTS FOR OUT-OF-SCHOOL YOUTH. Evaluated CDC's efforts to provide AIDS education for out-of-school youth.

Publications

Peer-Reviewed Journal Articles

- O'Connor A. C., Kennedy, E. D., Loomis, R. J., Haque, S. N., Layton, C. M., Williams, W., et al. (2013). Prospective cost-benefit analysis of a two-dimensional barcode for vaccine production, clinical documentation, and public health reporting and tracking. *Vaccine*, 31(31), 3179–3186. doi:10.1016/j.vaccine.2013.04.073
- Lynch M. M., Mitchell, E. W., Williams, J. L., Brumbaugh K., Jones-Bell M., Pinkney, D. E., Layton, C. M., Mersereau, P. W., Kendrick, J. S., Medina, P. E., & Smith, L. R. (2011). Pregnant and recently pregnant women's perceptions about influenza A pandemic (H1N1) 2009: Implications for Public Health and Provider Communication *Maternal and Child Health Journal* available online at: <http://www.springerlink.com/content/r51912070573170h>
- Mersereau, P., Layton, C. M., Rojas Smith, L., Kendrick, J. S., Mitchell, E. W., & Amoozegar, J. B. (2011). Prenatal care providers and influenza prevention and treatment: Lessons from the field. *Maternal and Child Health Journal*, available online at: <http://www.cnic.org.cn/pdf/2011-34/Prenatal%20Care%20Providers%20and%20Influenza%20Prevention.pdf>
- O'Connor, A. C., Layton, C. M., & Rasulnia, B. (2010). Health plan use of immunization information systems for quality measurement. *American Journal of Managed Care*, 16(3), 217–224.
- Holmberg, S. D., Layton, C. M., Ghneim, G. S., & Wagener, D. K. (2006). State plans for containment of pandemic influenza. *Emerging Infectious Disease*, 12(9), 1414–1417.
- Breitbart, V., Chavkin, W., Layton, C., & Wise, P. (1994). Model programs addressing perinatal drug exposure and HIV infection: Integrating women and children's needs. *Bulletin of the New York Academy of Medicine*, 71, 236–251.

Books, Book Chapters and Monographs

- Whitehead, N. S., Brown, D. S., & Layton, C. M. (2010). Developing a conjoint analysis survey of parental attitudes regarding voluntary newborn screening. MR-0014-1003. Research Triangle Park, NC: RTI Press.

Selected Technical Reports

- Amoozegar, J. B., Nerz, P. A., & Layton, C. M. (2010, December). Descriptive report of findings from survey of immunization grantees. Prepared for National Center for Immunization and Respiratory Diseases, Centers for Disease Control and Prevention.

- Layton, C. M., O'Connor, A. C., Loomis, R. J., & Eguino-Medina, P. R. (2009, November). Study of manufacturer prefilled syringes for vaccine administration. Prepared for BD Medical—Pharmaceutical Systems.
- Burke, M. F., Driscoll, D. L., Lynch, M. M., Jones-Bell, M. S., Rojas Smith, L., Leeks, K. D., Layton, C. M., Wenger, L. D., Changar, C. G., Rupert, D. J., & Amoozegar, J. B. (2008, November). Formative and summative evaluation for pandemic influenza information: Final report. Prepared for National Center for Health Marketing, Centers for Disease Control and Prevention.
- Rojas Smith, L., Hersey, J. C., Hendershot, T., Layton, C. M., Viswanathan, M., Wallace, I. F., Dai, L., & Ramirez, C. (2007, June). An evaluation of loss to follow-up in state EHDI programs: Summary findings. Prepared for the Centers for Disease Control and Prevention Early Hearing Detection and Intervention Program.
- Rojas Smith, L., Hersey, J. C., Layton, C. M., Rein, D. B., West, N. D., & Rooks, A. E. (2006). Section 317 immunization grant program evaluation: Findings from phase II. Report prepared for the Centers for Disease Control and Prevention.
- Rojas Smith, L., Rein, D. B., Honeycutt, A. A., Layton, C. M., Flome, J., & Hersey, J. C. (2006). Section 317 immunization grant program evaluation: Findings from phase I. Report prepared for the Centers for Disease Control and Prevention.
- Honeycutt, A., Robinson, T., & Layton, C. (2005). Influenza vaccine economics. Report prepared for the U.S. Department of Health and Human Services, Assistant Secretary for Planning and Evaluation.
- Layton, C., & Lenfestey, N. (2005). Influenza vaccine manufacturing. Report prepared for the U.S. Department of Health and Human Services, Assistant Secretary for Planning and Evaluation.
- Layton, C., Robinson, T., & Honeycutt, A. (2005). Influenza vaccine demand: The chicken and the egg. Report prepared for the U.S. Department of Health and Human Services, Assistant Secretary for Planning and Evaluation.
- Layton, C., & West, N. (2005). Influenza vaccine: Who buys it and who sells it. Report prepared for the U.S. Department of Health and Human Services, Assistant Secretary for Planning and Evaluation.
- Rojas Smith, L., & Layton, C. (2005). Influenza vaccine overview: Summary and assessment. Report prepared for the U.S. Department of Health and Human Services, Assistant Secretary for Planning and Evaluation.

- Uhrig, J. D., Poehlman, J. A., Kish, J. A., Appiah-Yeboah, S. A., Pucci, L. G., Roussel, A. E., & Layton, C. M. (2005). Evaluating new social marketing campaigns that support 'Advancing HIV prevention: New strategies for a changing epidemic': Formative research—final summary report. Report prepared for the Centers for Disease Control and Prevention.
- Walsh, E. G., Greene, A. M., Hoover, S., Khatutsky, G., Layton, C., & Richter, E. (2003). Case studies of managed care arrangements for dually eligible beneficiaries. Report prepared for the Center for Medicare & Medicaid Services.
- Roussel, A., Layton, C., & Squire, C. (2002). Opioid treatment program accreditation project: Special study on state issues final report. Report prepared for the U.S. Department of Health and Human Services, Center for Substance Abuse Treatment.
- Layton, C., & Hersey, J. (2001). Evaluation of adult immunization activities: Final report. Report prepared for the U.S. Department of Health and Human Services, Centers for Disease Control and Prevention National Immunization Program Office.
- Layton, C., Honeycutt, A., Levy, J., Kessler, A., & Liao, W. (2001). Annual influenza vaccine distribution process. Report prepared for the U.S. Department of Health and Human Services, Office of the Assistant Secretary of Planning and Evaluation.
- O'Keeffe, J., Brody, E., Jael, E., Layton, C., Pope, M., & Williams, P. (2001). Community capacity for improving population health: Design and feasibility study—site visit analysis. Report prepared for the Robert Wood Johnson Foundation.
- Layton, C., Gibbs, D., Daugherty, S., & Gavin, N. (2000). State implementation of immunization recommendations and guidance: Final report. Report prepared for the U.S. Department of Health and Human Services, Office of the Assistant Secretary of Planning and Evaluation.
- Bernard, S., Carman, K., Hoy, E., Layton, C., Jael, E., Hampton, N., Miller, L., Garfinkel, S., & Lubalin, J. (1999). Consumer Assessment of Health Plans Study (CAHPS) Medicare fee-for-service project conceptualization memorandum. Report prepared for the Health Care Financing Administration and the Agency for Healthcare Research and Quality.

Other Publications

- Layton, C. (1999). Fetal and infant mortality review (FIMR) as a tool for health policy formulation. Dissertation submitted to The Johns Hopkins University in conformity with the requirements for the degree of Doctor of Philosophy.

- Layton, C., et al. (1994). Integrating the needs of women and children: Addressing perinatal drug exposure and perinatal HIV infection. National Association of County and City Health Officials, Washington, DC.
- Layton, C., et al. (1994). Women's health information source book. National Association of County and City Health Officials, Washington, DC.
- Layton, C., et al. (1992). NACCHO multicultural health project recommendations and case studies. Washington, DC.
- Layton, C., Johnson, K., & Rosenbaum, S. (1991). Maternal and child health in America's cities. Children's Defense Fund, Washington, DC.
- Rosenbaum, S., Layton, C., & Liu, J. (1991). The health of America's children. Children's Defense Fund, Washington, DC.
- Hunter, D., Rosengren, T., Thomas, A., Layton, C., et al. (1990). AIDS education: Programs for out-of-school youth. Washington, DC: U.S. Government Printing Office.
- Layton, C. (1990). Access to AZT in the pediatric population: Barriers to treatment. Masters thesis submitted to Yale University for the degree of Master of Public Health.
- Layton, C. (1988). Physician decision-making in neonatal intensive care units. Thesis submitted to Hampshire College for the degree of Bachelor of Arts.

Invited Talks

- Layton, C. M. (2010). Barriers and facilitators to immunization grantees' collection of immunization and exemption data for children entering kindergarten. Presented at 2010 Immunization Program Managers Meeting, Atlanta, GA.
- Layton, C.M. (2006). Influenza Vaccine Supply and Distribution. A solicited paper presented to the National Foundation for Infectious Diseases' "Evolving Issues in the Prevention and Treatment of Influenza: A Media Forum" Archived video webcast available [here](#).
- Layton, C. M. (2006). Office of the Assistant Secretary for Planning and Evaluation (ASPE) influenza vaccine project: Understanding the dynamics of influenza vaccine supply and demand. Presented at National Vaccine Advisory Committee, Washington, DC.
- Layton, C. M. (2005). Office of the Assistant Secretary for Planning and Evaluation (OASPE) influenza vaccine project: Understanding the dynamics of influenza

vaccine supply and demand. Presented to the National Vaccine Advisory Committee, Washington, DC.

Layton, C. M. (2001). A description of adult immunization activities. Presented to the Centers for Disease Control and Prevention National Immunization Program Office, Atlanta, GA.

Layton, C. M. (2000). Adult immunization activities. Paper presented at Vaccines 2000, Washington, DC.

Layton, C. M. (1997). Unplanned pregnancy and adverse perinatal outcomes. Presented to the Maryland Perinatal Association Annual Meeting, Baltimore, MD.

Layton, C. M., Chavkin, W., & Breitbart, W. (1993). Health officials' views on policies directed at reducing infant mortality, perinatal HIV infection, and perinatal drug exposure. Presented to the American Public Health Association Annual Meeting, San Francisco, CA.

Layton, C. M. (1992). Successful county and local maternal and child health programs. Presented to A Cajun Christmas Conference on Child Health in America, New Orleans, LA.

Conference Activity/Participation

Selected Papers Presented

Layton, C. M., O'Connor, A. C., Osbeck, T. M., Hoyle, T., & Rasulnia, B. (2009, March). Immunization information systems as a data source for health plan quality measures. Presented at 2009 National Immunization Conference, Dallas, TX.

Layton, C. M., Miller, L., Nemo, B., Hersey, J., Strikas, R., & Brink, E. (2000). Preliminary report of adult immunization activities. Paper presented at the National Immunization Conference, Washington, DC.

Layton, C. M. (1998). An examination of the policy-making process in fetal and infant mortality review projects. Paper presented at the American Public Health Association Annual Meeting, Washington, DC.

Layton, C. M., & Timmel, D. (1998). Results of Baltimore City Healthy Start Fetal and Infant Mortality Review (FIMR) project: Lessons learned and policy implications. Paper presented at the American Public Health Association Annual Meeting, Washington, DC.

Layton, C. M. (1996). Qualitative methods in fetal and infant mortality review and subsequent policy development. Paper presented at the Society for Applied Anthropology Annual Meeting, Baltimore, MD.

Guerra, F., & Layton, C. M. (1992). Best practices among local health departments serving linguistic and cultural minorities. Paper presented at the American Public Health Association Annual Meeting, Washington, DC.

Layton, C. M. (1989). Physician decision making in neonatal intensive care units. Paper presented at the Third Annual Conference on Bioethics, Boston College, Boston, MA.

Layton, C. M. (1988). Decision making in neonatal intensive care. Paper presented at the Second Annual Conferences on Bioethics, Boston College, Boston, MA.

Layton, C. M. (1987). Ethical considerations with reference to amniocentesis. Paper presented at the Student Pugwash USA International Conference, Stanford University, Palo Alto, CA.

Selected Posters Presented

Layton, C. M. (2009, June). Immunization information systems as a resource to improve health plans' efficiency and quality measures. Poster presented at Academy Health Annual Research meeting, Chicago, IL.

Layton, C. M. (2008, December). How disease control is related to disease etiology: Reflections on infectious disease control policies. Poster presented at Epidemics, Asilomar, CA.

Layton, C. M., & Mitchell, N. H. (2007, December). Public financing of vaccines in the U.S.: A review of funding. Poster presented at the Vaccine Congress, Amsterdam, The Netherlands.

Layton, C. M., O'Connor, A. C., & Ramirez, C. (2007, December). Who made what when? The supply of vaccines in the U.S. between 1986 and 2006. Poster presented at the Vaccine Congress, Amsterdam, The Netherlands.

Layton, C. M. (2006, March). Pandemic concerns in 1976 versus 2006: A review of issues past and present. Poster presented at National Immunization Conference, Atlanta, GA.

Layton, C. M., Honeycutt, A. A., Rojas Smith, L., West, N. D., Lenfestey, N. F., & Robinson, T. L. (2006, March). The chicken and the egg: The dynamics of influenza demand and supply. Poster presented at National Immunization Conference, Atlanta, GA.

Layton, C. M. (1999). Fetal and infant mortality review as a tool for health policy formulation. Poster session presented at the American Public Health Association Annual Meeting, Chicago, IL.

Layton, C. M., & Timmel, D. (1996). Qualitative data from Fetal and Infant Mortality Review (FIMR) to identify sentinel events and missed opportunities. Poster session presented at the American Public Health Association Annual Meeting, New York, NY.

Fisher, W., & Layton, C. M. (1993). Maternal and child health activities of local health departments. Poster session presented at the American Public Health Association Annual Meeting, San Francisco, CA

Selected Panels Organized

Brown, S.T., Scarpino, S.V., (2014, March). Stronger together: modeling lessons for success—public health practitioners' collaboration with computational modelers. Panel presentation at 2014 NACCHO Preparedness Summit, Atlanta, GA.

Teaching Experience

Roland Park Country School

2016-2017 LONG-TERM SUBSTITUTE SCIENCE TEACHER. Taught classes in (three sections of AP- and Honors'-level) Chemistry and (one section of) Mechanical Engineering. Instruction included adapting instructional material to students' needs; lecturing and delivering classroom demonstrations; leading discussions; providing feedback on academic progress, and; preparing and supervising laboratory experiments. In addition, Engineering involved mentoring project (group) work and identifying and adopting updated methods to assess student performance. Administrative responsibilities included maintaining office hours to respond to students' questions; grading exams, tests and papers; monitoring and updating information in the educational management system, and participating in departmental meetings.

The Johns Hopkins Bloomberg School of Public Health

2008-2015 INTRODUCTION TO MATERNAL AND CHILD HEALTH (guest lecturer for Instructor Melissa Hawkins). Department of Population, Family and Reproductive Health. Developed web-based lecture IMMUNIZATION PROGRAMS IN THE U.S. and follow up distance-based seminar discussion.

1998-1999 THESIS RESEARCH (seminar leader for Professor Donald Steinwachs). Department of Health Policy and Management. Led seminar-based course focusing on the research process and proposal development.

- 1996-1997 INTRODUCTION TO HEALTH POLICY (teaching assistant to Professor Donald Steinwachs), Department of Health Policy and Management 1996 to 1997. Augmented lecture-based teaching with interactive discussions. Reviewed material and provided students with additional support as needed. Graded exams and final papers. Provided detailed written comments on written work and personal feedback.
- 1995-1997 PUBLIC HEALTH PRACTICE (teaching assistant to Professors Thomas Burke and Ronald Bialek), Department of Health Policy and Management. Collaborated in curriculum revision. Coached students to pursue appropriate topics for project-related assignments. Provided students detailed written comments on written work.

Hampshire College

- 1987-1988 BLOOD AND GUTS. Developed and led a day-long human physiology workshop for middle-school aged girls as part of Hampshire College Girls' Day in the Lab. Instructed dissection and demonstrated respiration and cardiovascular circulation using a sheep heart and lungs.

Service to Profession

- 2008-present Manuscript Reviewer for Annals of Vaccines and Immunization
2008-present Manuscript Reviewer for Vaccine
2015-present Medical Reserve Corps Volunteer with Maryland Responds
2015-present Baltimore City Community Emergency Response Team
volunteer

Honors and Awards

- 2001 Report, "Evaluation of Adult Immunization Activities" selected by CDC for inclusion in Secretary of the U.S. Department of Health and Human Services Blue Ribbon Panel report on the Status of Program Evaluation.
- 1997 Awarded Agency for Health Care Policy and Research RO3 Dissertation Research Grant.
- 1996 Awarded Outstanding Student Presenter by American Public Health Association's Maternal and Child Health Section.
- 1990 Distinction awarded to Master's essay, Access to AZT in the Pediatric Population.
- 1989 Achievement Award, U.S. General Accounting Office.
- 1988 Threshold Grant awarded by Hampshire College.

Selected Media Coverage

Interview with Robert Lowes, "[Work Begins on Possible Vaccine Against Novel Flu Bug](#)". Medscape Medical News. January 4 2012

Interview with Robert Lowes, "[Swine H1N1 Influenza Vaccine Could Reduce Supply of Seasonal Flu Vaccine](#)". Medscape Medical News. May 9, 2009

Interview with Karen Pallarito, "[Adequate Supply of Swine Flu Vaccine Uncertain](#)" ABC News HealthDay. May 19, 2009

Interview with CNN. "[Deadliest pandemics of the 20th century](#)" CNN on line, April 27, 2009

Interview with Robin Lloyd. "[Why isn't there a swine flu vaccine?](#)" NBC News, April 29, 2009

Interview with Robin Lloyd. "[Why there's no swine Flu Vaccine](#)". LiveScience. April 29

Interview with Helen Palmer. "[More Flu Vaccine Than We Need](#)" National Public Radio's Marketplace. April 20, 2006.

Interview with Frank Roylance. "[Flu vaccine supply expected to Soar](#)" Baltimore Sun. May 19, 2006.

Presented "Influenza Vaccine Supply and Distribution" as part of National Foundation for Infectious Diseases' "Evolving Issues in the Prevention and Treatment of Influenza: A Media Forum" Archived video webcast available [here](#). May 30, 2006

Interview with Philip J. Hilts. "U.S. Reports Drop in Infant Mortality Rate" by Philip J. *New York Times*, Section A1, April 6, 1991.

Interview with Michael Granberry. "S.D. Infant-Mortality Rate Drop Is 2nd Best in Nation", *Los Angeles Times*. August 14, 1991.

Professional Memberships/Affiliations

1988 – present American Public Health Association

References

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Peter Winch, MD, MPH
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Melissa Hawkins, PhD
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Washington DC 20016
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