

Christine M. Layton

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Education

- Ph.D. **The Johns Hopkins Bloomberg School of Public Health**, Baltimore, MD (1999).
Dissertation: Fetal and Infant Mortality Review (FIMR) as a Tool for Health Policy Formulation.
- M.P.H. **Yale University School of Public Health**, New Haven, CT (1990).
Thesis: Barriers in Access to AZT in Pediatric Populations.
- B.A. **Hampshire College**, Amherst, MA (1988).
Thesis: Physician Decision-Making in Neonatal Intensive Care Units.

Employment History

- Independent Consultant, **Sanitas Ratio**, Baltimore MD 2014-present
- Ebola Research Manager, **Johns Hopkins Center for Communication Programs**, Baltimore, MD. 2015
- Public Health Researcher, **RTI International**, Washington, DC. 1999-2014
- Project Manager, **National Association of County and City Health Officials**, Washington, DC. 1992-1994
- Health Division Fellow, **Children's Defense Fund**, Washington, DC. 1990-1992
- Evaluator, **Government Accountability Office**, Boston, MA. 1989

Methodological Expertise

- Case studies
- Individual and group interviewing
- Survey development
- Qualitative and mixed methods

Topical Expertise

- Infectious Diseases: Vaccines and immunization systems; Emerging infectious diseases
- Public health practice: Programs, policies, leadership and systems
- Emergency preparedness and response: All hazards' approach
- Maternal and child health: Perinatal health policies and programs

Interests

- Facilitating the development of evidence-based programs and policies.
- Systems-focused approaches to program and policy development.
- Applying qualitative methods within multi-modal research approaches.
- Education: Lecturer, seminar leader, curriculum development, and advising.

Professional Experience

Sanitas Ratio, Baltimore, MD

2014-present

Independent Consultant. Engages in community-focused public health advocacy and emergency preparedness activities and long-term substitute science teacher. Identified and disseminated public health preparedness resources for Baltimore City's CERT (Community Emergency Response Team). Developed websites and information resources to promote political advocacy.

Johns Hopkins Center for Communication Programs, Baltimore, MD

2015

Ebola Research Manager. Responsible for supporting research and evaluation of Ebola-related social and behavioral change interventions in Liberia, Sierra Leone and Guinea as well as Ebola preparedness activities in Cote d'Ivoire including information management and procurements.

RTI International, Washington, DC.

1999 to 2014

Public Health Researcher. Directed research projects, predominately for agencies in the US Department of Health and Human Services. Responsible for managing budgets \leq \$500,000. Led tasks as part of larger projects (with budgets up to \$13M). Led and contributed to development of opportunities for public and private funders. Successfully networked to identify new funding opportunities. Initiated cross-divisional collaboration for projects related to immunization resulting in publications, professional presentations, and media reports. Supervised junior and mid-level staff. Supported management responsibilities such as hiring and professional development. Developed and maintained collegial relationships with funders and project officers.

The Johns Hopkins University Bloomberg School of Public Health, Baltimore, MD. 1997 to 1999

Principal Investigator. Developed and directed a dissertation study funded by the Agency for Health Care Policy and Research. Responsible for developing research strategy, data collection, analysis, and reporting.

MedChi, The Maryland State Medical Society, Baltimore, MD.

1995 to 1998

Policy Analyst. Analyzed qualitative data and developed policies to improve the health of pregnant women and children as part of the Baltimore City Healthy Start Project Fetal and Infant Mortality Review.

Independent Consultant

1995

Consultant. Researched and wrote reports addressing a variety of public health issues. Examined financing issues related to managed care. Analyzed quantitative data and developed policy recommendations for a report on women's and children's health in the southern United States.

National Association of County and City Health Officials, Washington, DC.

1991 to 1994

Project Director. Led the startup of both the NACCHO Maternal and Child Health and Multicultural Health Projects. Developed, researched, and wrote factsheets; developed workshops; and authored report detailing local health departments' efforts to provide health care to multicultural communities. Coauthored women's health information source book. Collaborated with researchers at Columbia University. Facilitated networking between NACCHO and other organizations to increase local health officials' knowledge of maternal and child health issues and to determine how to best meet the needs of diverse populations. Represented NACCHO at Washington, DC-based coalitions. Responsible for staff supervision and proposal development.

Children's Defense Fund, Washington, DC.

1990 to 1991

Health Division Fellow. Analyzed maternal and child health statistics including infant mortality, low birthweight, prenatal care, and utilization. Wrote reports and factsheets concerning AIDS, vital statistics, and the health of urban children. Provided technical assistance to health and congressional officials seeking information in the areas of infant mortality, low birthweight, substance abuse, and AIDS. Evaluated and provided technical assistance to prenatal home visiting program for pregnant teens in rural South Carolina. Collaborated on writing a guide to enable community organizations to conduct needs assessments.

Yale University Department of Epidemiology and Public Health, New Haven, CT.

1989 to 1990

Research Assistant. Abstracted medical and social service records for observational study of the health of children in the foster care system in western Connecticut. Developed coding scheme for data collection and coded responses.

U.S. Government Accounting Office, Boston, MA.

1989

Evaluator. Gathered information for a study of CDC's efforts to provide AIDS education for out-of-school youth. Interviewed community-based organizations, national agencies, and CDC officials. Identified barriers, innovative programs, and effective strategies to reach out-of-school youth. Developed and implemented a structured questionnaire to facilitate data collection via computer. Received achievement award for outstanding contribution to a study.

Hampshire College, Amherst, MA.

1986 to 1988

Emergency Medical Technician. Provided emergency medical response on college campus. Evaluated illnesses and injuries in the field and assured appropriate response. Developed and led health-education presentations and discussion groups for members of the community.

Selected Research Project Experience

Health Communications Capacity Collaborative (HC3) Ebola Research and Evaluation (2015) — *Ebola Research Manager*. Managed research and monitoring of social and behavioral change interventions for US Agency for International Development's (USAID's) response to Ebola-affected nations in West Africa. Developed Post-Ebola Recovery and Rebuilding Pathways Framework to support theory-based social and behavioral change activities to support the rebuilding of health services in Liberia, Sierra Leone and Guinea. Contributed to the development of Ebola Communications Preparedness IKit and capacity assessment tools for use by the United Nations Children's Fund (UNICEF).

Initial Assessment and Evaluation of the Public Health Training Centers Program (2012 to 2014)— *Task Leader*. 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. Developed data collection instruments; moderated focus groups discussions with PHTC leadership and students; directed data analysis and reporting.

Models for Infectious Disease Agent Study (MIDAS) (2005 to 2014)— *Public Health Liaison*. Provided immunization and public health subject area expertise for National Institutes of Health/National Institute of General Medical Sciences–funded project. Facilitated information exchange between principal investigators. Developed and moderated workshop with computational modelers and public health practitioners.

VaxScene (2012 to 2013)— *Scientific Advisor and Interim Project Director*. Collaborated with colleagues in Survey Research Division to develop internally-funded project to use existing data from Immunization Information Systems (IIS) to populate a novel, web-based tool to visualize immunization coverage data at the local level.

Communities Putting Prevention to Work: Case Study Evaluation (2010 to 2012)— *Case Study Site Visit Leader*. 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. Led key informant interviews with key stakeholders; supervised the collection of supporting data and the writing of summary reports.

Strengthening the Evidence Base: Monitoring Vaccination Coverage and Exemptions among Kindergarteners (2010 to 2012)— *Project Director*. Directed CDC-funded study to improve immunization grantees' monitoring of vaccination and exemptions in kindergarteners. Provided technical assistance to two grantees; oversaw the development and fielding of survey of immunization grantees; identified best practices and created training and workshops including Webinars to facilitate grantees' adoption of these practices.

Impact of a Modern Barcode for Vaccine Production, Clinical Documentation, Public Health Reporting and Tracking (2010 to 2011)—*Co-PI and Task Leader*. Led assessment of various stakeholders'—including vaccine manufacturers, immunization providers, and data users—knowledge, attitudes, and beliefs for CDC-funded evaluation of the implications associated with including a two-dimensional barcode (data matrix) on vaccine products. Contributed to development of survey of immunization providers as part of the development of an economic model to assess costs associated with implementing barcode technology in the U.S. immunization system. Assessed the impact of implementing barcoded vaccines in immunization practice.

CHIPRA of 2009: Evaluations of Sections 201 and 503 (2010 to 2011)—*Task Leader*. Led task to evaluate grants to improve Medicaid and CHIP enrollment and retention for Indian children as part of Centers for Medicare & Medicaid Services (CMS)-funded project. Evaluation included assessment of quarterly and annual reports as well as interviews with grantees.

Evaluating Influenza Vaccination of School-Aged Children in a School Setting (2010 to 2012)—*Senior Advisor*. Provided guidance to various aspects of a CDC-funded study to evaluate school-level vaccination programs.

Formative Research about Pandemic Influenza in Women Who Are or May Become Pregnant (2008 to 2010)—*Subtask Leader*. Led subtask to conduct focus groups with obstetrician/gynecologists and nurse midwives for CDC-funded, formative research study to identify issues related to pandemic influenza preparedness and response for women who are or may become pregnant. Contributed to literature review; oversaw development of data collection materials and the analysis of focus group data. Coauthored manuscript published in 2011.

Study of Manufacturer Prefilled Syringes for Vaccine Administration (2008 to 2009)—*Project Director*. Directed BD-funded study to identify the role of manufacturer prefilled syringes (MPFS) in vaccine administration. Reviewed available vaccine safety data as well as published and unpublished literature to identify potential areas in which MPFS presentation may improve safety. Oversaw business analysis of MPFS vaccine presentation within the European Union and United States. Authored white papers on these subjects.

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 (2007 to 2009)—*Project Director*. 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. Responsible for developing the technical approach, including a business case study, and contributing to the development of economic models. Coauthored manuscript for publication.

Formative and Summative Evaluation for Pandemic Influenza Information (2007 to 2008)—*Research Scientist and Subtask Leader*. Led subtasks for CDC-funded study to evaluate pandemic preparedness information materials for vulnerable and hard-to-reach populations. Directed approach to assess knowledge, attitudes and beliefs of persons experiencing homelessness. Conducted individual interviews and town hall meetings with persons experiencing homelessness. Contributed to data analysis and reporting.

- Vaccine Supply, Demand and Economic Factors: Causes of Vaccine Shortages*** (2006 to 2008)—*Project Director*. Directed study for the U.S. Department of Health and Human Services, Office of the Assistant Secretary for Planning and Evaluation (ASPE), to identify factors associated with shortages of vaccine within the United States between 1986 and 2006. Guided staff in the identification of data (information) sources. Developed interview guide for key informant interviews, conducted interviews with immunization stakeholders, including vaccine manufacturers, public health officials, academics, and other experts. Oversaw development of database to catalogue all collected data to facilitate subsequent analysis.
- Vaccine and Immunization Policy Support*** (2006 to 2008)—*Project Director*. Directed project for GlaxoSmithKline to identify issues relevant to vaccine and immunization policies. Assessed public health stakeholder information needs and identified means to provide information. Directed preparation of report to describe sources of vaccine and immunization funding.
- Economic Issues in Seasonal Influenza Vaccination*** (2006 to 2008)—*Task Leader*. Contributed to study for ASPE to create an economic model for the use of seasonal influenza vaccine within various subgroups. Led task to identify and interpret literature to contribute to the model's development. Provided background information in the area of influenza vaccine and immunization programs.
- Estimating the Cost Effectiveness of Alternative Strategies for Increasing Immunization Coverage Rates in Children*** (2005 to 2006)—*Senior Analyst*. Contributed to this CDC evaluation to compare the cost effectiveness of three approaches for improving children's immunization coverage rates: provider assessment and feedback, client reminder/recalls, and WIC program approaches.
- Methods for Preference-Based Conjoint Decision Analysis of Parents*** (2005 to 2006)—*Focus Group Team Leader*. Directed focus group portion of this CDC study to determine opinions of parents of infants regarding newborn screening tests.
- 317 Immunization Grant Program Evaluation*** (2003 to 2006)—*Program and Management Operations Team Leader*. Led task to examine program and management of this CDC program. Developed interview guides, contributed to development of analytic framework, conducted key informant interviews, analyzed data, and reported findings.
- Assessment of Loss to Follow-Up in State Early Hearing Detection and Intervention*** (2002 to 2006)—*Senior Analyst*. Led the development of focus group discussion guides for study of five states' early childhood hearing detection and intervention (EHDI) programs for the CDC. Cofacilitated workshop with advisory committee to ensure input from key stakeholders. Led case study of EHDI program in the Commonwealth of Virginia.
- Pregnancy Risk Assessment Monitoring System Program (PRAMS) Evaluation*** (2002 to 2006)—*Senior Analyst*. Led evaluation methodology and design of an internal assessment of the CDC PRAMS program, which included the development of discussion guides for individuals and groups. Cofacilitated workshop with advisory committee to ensure input from key stakeholders. Conducted key informant interviews with individuals in the PRAMS program.
- Understanding the Dynamics of Influenza Vaccine Supply and Demand*** (2004 to 2005)—*Project Director*. Responsible for directing the 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. The issue briefs are based on information gathered through a literature review and key informant interviews conducted with stakeholders, including vaccine manufacturers; community immunizers; vaccine distributors; and federal, state, and other influenza vaccine experts.

Evaluation of the Institute of Medicine's Immunization Safety Review Committee (2003 to 2005)—*Senior Analyst*. Collaborated with project officers at CDC to develop interview guides to determine stakeholders' assessment of the work of the Institute of Medicine's Immunization Safety Review Committee. Conducted key informant interviews with stakeholders, including physicians, state immunization program managers, and federal officials. Analyzed responses and report findings.

Evaluating New Social Marketing Campaigns that Support "Advancing HIV Prevention: New Strategies for a Changing Epidemic" (2004 to 2005)—*Focus Group Moderator*. Conducted 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.

State Workshops to Promote Evidence-Based Decision-Making Using the Guide to Community Preventive Services (2002 to 2004)—*Associate Task Leader*. Co-led the startup of this CDC project to evaluate workshops to implement the *Guide to Community Preventive Services* at the state level. Worked with the client to reshape the project following a change in the client's needs.

Florida Tobacco Pilot Project (2002 to 2004)—*Analytic Advisor*. Provided guidance in designing an approach for qualitative analysis of key informant interviews as part of a study of communities' tobacco prevention programs.

Evaluation of the Opioid Treatment Program Accreditation Project (2001 to 2002)—*Senior Analyst*. Participated in a study for Center for Substance Abuse Treatment (CSAT) of the anticipated impact of accreditation on treatment programs for opioid addiction. Administered key informant interviews. Led development of analytic framework and technical approach for analysis using qualitative methods. Oversaw coding of interviews. Conducted analysis of interviews and wrote up findings.

Surges in Demand for Health Care Services during the 1999–2000 Influenza Season: Lessons Learned (2000 to 2001)—*Project Director*. Initiated and led a study of health care services during the 1999–2000 influenza season for the HHS ASPE. Developed interview protocol, identified key informants, and administered interviews. Supervised data collection staff.

Annual Influenza Vaccine Distribution System (2000 to 2001)—*Task Leader*. Led task to conduct interviews with key informants in a study of the influenza vaccine distribution process for the HHS ASPE. Developed interview protocol, identified key informants, and administered interviews. Supervised data collection staff. Developed analytic framework and technical approach for analysis. Conducted analysis of interviews and wrote up findings.

Community Capacity for Improving Population Health: Design and Implementation Study (2000 to 2001)—*Senior Analyst*. Led case study of six communities to determine the feasibility of ranking community health indicators for the Robert Wood Johnson Foundation. Developed site selection

criteria, designed interview protocol, and provided guidance to research team members. Conducted analysis of interviews and wrote up findings.

Evaluation of Adult Immunization Activities (1999 to 2001)—*Task Leader*. Designed and implemented an evaluation of states' immunization activities targeting the adult population for the CDC's National Immunization Program (NIP). Worked with officials from CDC to obtain information from state immunization programs. Designed coding scheme for analysis of information and oversaw the entry of qualitative and quantitative data. Trained and supervised project staff. Presented findings at national meetings. Wrote manuscript for submission. Study selected by CDC as one of two for review by the Secretary of the U.S. Department of Health and Human Services.

State Implementation of Immunization Recommendations and Guidance (1999 to 2000)—*Task Leader*. Led literature review of technical assistance available to improve adherence with recommendations and guidance for childhood immunizations for the HHS ASPE. Identified relevant information available in the published and fugitive literature as well as that available through electronic sources. Wrote up findings. Contributed to development of protocol for interviews to be conducted as part of site visits with state immunization programs.

Process Evaluation of the Vaccines for Children Program (1999 to 2000)—*Analyst*. Conducted cognitive analysis of a survey instrument used to evaluate the Vaccines for Children Program in the State of South Carolina for the CDC. Collaborated with other experts to clarify the instrument and improve validity.

Consumer Assessment of Health Plans Study (CAHPS) Medicare Fee-for-Service Reporting Project (1999)—*Task Leader*. Oversaw data collection associated with this project to assess the information needs of Medicare beneficiaries who are choosing between traditional Medicare and managed care for CMS. Facilitated the development of a data collection instrument for telephone interviews with key informants. Interviewed key informants and oversaw the reporting of five other interviewers. Analyzed and reported on interviews using the qualitative analysis software ATLAS.ti. Led the development and production of a conceptualization memorandum reporting on the interim findings.

Case Studies of Fetal and Infant Mortality Review Projects (1995 to 1999)—*Principal Investigator*. Examined the process by which fetal and infant mortality review (FIMR) projects create health policy recommendations. Developed qualitative case-study protocol involving in-depth semistructured interviews with key informants on FIMR projects. Conducted site visits of four FIMR projects and performed 33 key informant interviews in person and by telephone. Analyzed interview transcripts using the qualitative analysis software NUD*IST4.

Analysis of Maternal Interviews Associated with Baltimore City Healthy Start Fetal and Infant Mortality Review Project (1995 to 1998)—*Research Analyst*. Led analysis of more than 60 in-depth interviews of women who had suffered fetal or infant loss. Used qualitative analysis software (NUD*IST) to investigate the factors associated with fetal and infant loss. Developed coding scheme and coded and analyzed interview data. Presented findings in written reports and at national, state, and local meetings, including monthly meetings of the Baltimore City Healthy Start Fetal and Infant Mortality Review Project.

Policy Analysis of Vaccines for Children Program (1993 to 1994)—*Research Analyst*. Collaborated with U.S. Department of Health and Human Services' and local health officials to assess the impact of the Childhood Immunization Initiative and the Vaccines for Children Program (VFC) on local public health departments as well as local health departments' role in implementing VFC. Reported findings via briefing reports to local health officials. Represented local health officials at national meetings.

Development of Women's Health Sourcebook (1992 to 1994)—*Director*. Elicited and integrated input from working group of local health officials to develop a women's health sourcebook for local health officials. Researched and wrote factsheets, supervised three other writers, edited all materials, and collaborated with officials within the Maternal and Child Health Bureau to ensure quality.

Policy Analysis of Maternal-Fetal Conflict (1992 to 1994)—*Research Analyst*. 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. Conducted case studies of five local health departments with programs that integrated the needs of women, infants, and children. Coordinated a national meeting of representatives of these programs to discuss best practices. Reported findings to meeting attendees including local health officials, policy makers, and government officials. Wrote a report on the findings of the case studies and the national meeting.

Analysis of Maternal and Child Health in U.S. Cities (1990 to 1991)—*Research Analyst*. Led analysis of vital statistics to examine maternal and child health in U.S. cities. Conducted rankings of infant mortality, low birthweight, adequacy of prenatal care, and cases of measles and AIDS in the 100 most populated cities in the United States. Co-author of final report. Participated in newspaper, radio, and television interviews to report results.

Policy Analysis of Early and Periodic Screening, Diagnosis, and Treatment (EPSDT) Program (1990 to 1991)—*Research Assistant*. Supported study of states' use of "shadow billing" practices of children receiving Medicaid. Conducted telephone interviews with Medicaid directors for 20 states to determine whether states were taking advantage of EPSDT benefits to the fullest extent possible.

Evaluation of Prenatal Homevisiting Program (1991)—*Project Leader*. Responsible for process evaluation of prenatal homevisiting program in rural South Carolina. Conducted site visits that included in-person interviews and document reviews. Provided guidance to improve the program.

Evaluation of AIDS Education Efforts for Out-of-School Youth (1989)—*Evaluator*. Contributed to evaluation of CDC's efforts to provide AIDS education for out-of-school youth. Developed semi-structured data collection instrument for key-informant interviews. Conducted telephone and in-person interviews with representatives of AIDS education programs serving out-of-school youth. Conducted site visit to CDC for in-person interviews with CDC officials and collection and analysis written materials. Drafted report of interview findings. Received the GAO Achievement Award for outstanding contribution to a study.

Teaching Experience

- Immunization Programs in the U.S.** (guest lecturer for the course Introduction to Maternal and Child Health), The Johns Hopkins Bloomberg School of Public Health Department of Population, Family and Reproductive Health, Baltimore, MD, 2008 to date. Melissa Hawkins, PhD, instructor.
- Thesis Research** (seminar leader for Professor Donald Steinwachs), The Johns Hopkins Bloomberg School of Public Health, Department of Health Policy and Management, Baltimore, MD, 1998 to 1999. Led seminar-based course focusing on the research process and proposal development.
- Introduction to Health Policy** (teaching assistant to Professor Donald Steinwachs), The Johns Hopkins Bloomberg School of Public Health, Department of Health Policy and Management, Baltimore, MD, 1996 to 1997. Augmented lecture-based teaching with interactive discussions. Reviewed course material and provided students with additional support as needed. Graded exams and final papers. Provided personal feedback and detailed written comments on written work.
- Public Health Practice** (teaching assistant to Professors Thomas Burke and Ronald Bialek), The Johns Hopkins Bloomberg School of Public Health, Department of Health Policy and Management, Baltimore, MD, 1995 to 1997. Collaborated in curriculum revision. Coached students to pursue appropriate topics for project-related assignments. Provided students detailed written comments on written work.
- Blood and Guts**, Hampshire College Girls' Day in the Lab, Amherst, MA. Developed and led a day-long workshop on human physiology for middle-school aged girls. Instructed girls in 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 Responder with Maryland Responds
- 2015-present Baltimore City CERT (Community Emergency Response Team) Volunteer

Publications/Presentations

Peer-Reviewed Publications

- 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.cnice.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.
- Layton, C., & Cheal, M. L. (1983). A surgical restraint for small animals. *Physiology and Behavior*, 78, 1115–1116.

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.
- 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.

Selected Presentations and Conference Proceedings

- Haque, S. N., Williams, W., O'Connor, A. C., Munoz, G., & Layton, C. M. (2011, October). Impact of two-dimensional barcoding of vaccine product labels on data exchange: Stakeholder perspectives and preliminary review of standards. Poster presented at American Medical Informatics Association, Washington, DC.

- Layton, C. M. (2010, November). 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. (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., 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. (2008, December). How disease control is related to disease etiology: Reflections on infectious disease control policies. Poster presented at Epidemics, Asilomar, CA.
- Driscoll, D. L., Lynch, M. M., Sones, M., Sokler, L., Baur, C., Burke, M. F., Rojas Smith, L., Leeks, K. D., Jones-Bell, M. S., Layton, C. M., Wenger, L. D., Amoozegar, J. B., & Rupert, D. J. (2008, October). Assessing the deep structure of pandemic influenza response: Methods and outcomes of a participatory formative research project toward culturally tailored messages. Presented at Society for Public Health Education (SOPHE) annual meeting, San Diego, 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, May). Influenza vaccine supply and distribution. Presented at Evolving Issues in the Prevention and Treatment of Influenza: A Media Forum, Washington, DC.
- 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.
- Rojas Smith, L., Layton, C. M., Rein, D. B., Hersey, J. C., & West, N. D. (2006, March). Section 317 immunization grant program evaluation: Findings from case studies of seven immunization programs. Presented at National Immunization Conference, Atlanta, GA.
- Layton, C. M. (2006, February). 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., 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. (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. (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. (1997). Unplanned pregnancy and adverse perinatal outcomes. A solicited paper presented to the Maryland Perinatal Association Annual Meeting, Baltimore, MD.
- 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.
- 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.
- 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. A solicited paper presented to the American Public Health Association Annual Meeting, San Francisco, CA.
- 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. (1992). Successful county and local maternal and child health programs. A solicited paper presented at A Cajun Christmas Conference on Child Health in America, New Orleans, LA.
- 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 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, Page 14 of 152009
- 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, 2009
- 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.

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<http://www.connectlive.com/events/infectiousdiseases/index0506.html>. 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.