

Liza M. Creel, PhD, MPH
University of Louisville
Department of Health Management and Systems Sciences
School of Public Health and Information Sciences
485 E. Gray Street, Louisville, KY 40202
liza.creel@louisville.edu | 502-852-3283

EDUCATION

Texas A&M University College Station, TX
Doctor of Philosophy in Health Services Research August 2015
Concentration: Health Economics and Policy
Dissertation: *Hospital-based Implementation of Newborn Hearing Screening in a Cohort of Infants Admitted to the NICU: Outcomes and Implications for Policy and Practice*
Dissertation Committee: Robert Ohsfeldt, PhD (chair), Sean Gregory, PhD, Hongwei Zhao, ScD, Jean Brender, PhD

The University of Michigan Ann Arbor, MI
Master of Public Health April 2006
Concentration: Health Policy

University of Texas Southwestern Medical Center Dallas, TX
Bachelor of Science in Health Services Administration

ACADEMIC POSITIONS

University of Louisville
School of Public Health and Information Sciences
Department of Health Management and Systems Sciences
Commonwealth Institute of Kentucky
Assistant Professor July 2015 - present
Commonwealth Scholar

Teaching Experience

Health Policy and Analysis (PHPM-710)

Spring 2016, Spring 2017

This course is designed to introduce students to health policy, mechanisms through which policy is made at the state and federal level, and strategies for health policy analysis.

Research Experience

Mountain States Genetics Regional Collaborative Evaluation. (June 2016 – May 2017). Creel (PI)

The purpose of this study is to evaluate outcomes related to the Mountain States Genetics Regional Collaborative (MSGRC). The study uses primary and secondary data to examine changes in genetic services delivery associated with the MSGRC. The MSGRC is one of seven

HRSA-funded regional collaboratives. The MSGRC covers an eight state region that includes Arizona, Colorado, Montana, Nevada, New Mexico, Texas, Utah and Wyoming, and has a mission to ensure that individuals with heritable disorders and their families have access to quality care and appropriate genetic expertise and information in the context of a medical home. The MSGRC facilitates regional collaboration, encourages involvement of diverse populations, and supports innovative mini-projects that inform quality improvement and systems change in the newborn screening and clinical genetics health care delivery systems.
Amount: \$45,000
Role: Principal Investigator

KY EHDI Evaluation and Data Analysis (February 2016 – June 2018). Creel (PI)

The purpose of this project is to collaborate with the Kentucky EHDI Program to identify gaps related to identification, diagnosis, and intervention process related to newborn hearing screening, evaluate stakeholders perceptions of the Program and needs related to newborn hearing loss, and provide data analysis and evaluation related to both program implementation and screening outcomes.
Amount: Unfunded
Role: Principal Investigator

Texas Healthcare Transformation and Quality Improvement Program: 1115(a) Medicaid Demonstration Waiver Evaluation. (July 2015 – January 2017). Wendel (PI)

Texas Health and Human Services Commission, Texas A&M School of Public Health

- Interorganizational Network Study
- Study of Stakeholder Perceptions

Amount: Subcontract for \$171,000

Role: Co-Principal Investigator of network study and stakeholder survey

ACA Outreach and Enrollment in Louisville Metro. (January 2016 – September 2016). Creel (PI)

Family Health Centers, Jewish Hospital & St. Mary's Foundation, Robert Wood Johnson Foundation
The purpose of this study is to examine the evolution of outreach and enrollment activities and provide a broad characterization of the remaining uninsured population in Louisville. The results will inform continued work toward expanding enrollment, incorporating the newly insured population into the local health care system, and expanding coverage to individuals without insurance.

Amount: Subcontract for \$17,500

Role: Principal Investigator

**Texas A&M University Health Science Center
Department of Health Policy and Management**

Senior Project Coordinator

June 2013 – June 2015

Evaluation of the Texas Healthcare Transformation and Quality Improvement Program: 1115(a) Medicaid Demonstration Waiver

This study is an evaluation of the Texas 1115(a) Medicaid Demonstration Waiver Program, examining changes in access, quality, and cost associated with the Program. The study is funded by contract through the State of Texas and uses qualitative and quantitative methods.

- Served as coordinator for three evaluation goals under the study, focusing specifically on changes in regional collaboration and stakeholder perceptions of the program
- Obtained IRB approval from TAMU

- Participated in development of survey instruments and study reports / manuscripts
- Coordinated data collection for social network study and stakeholder perceptions survey
- Conducted telephone-based surveys and quantitative data analysis for social network study
- Conducted web-based survey and qualitative/quantitative data analysis for stakeholder perceptions survey
- Conducted professional and patient interviews for separate evaluation goal focused on patient care navigation outcomes

Neonatology Research Fellow January 2014 – June 2015
Texas A&M and Baylor Scott & White Partnership on Pediatric Outcomes Research

The Neonatology Research Fellowship is a program designed to support doctoral level student training in the area on neonatology and pediatric outcomes research.

- Served as first Neonatology Research Fellow
- Conducted advanced descriptive and retrospective analyses using longitudinal data
- Conducted literature reviews
- Supported interorganizational team of clinicians and researchers across Texas A&M University Health Science Center and Baylor Scott & White

PUBLICATIONS

Gong, A., Guillory, C., **Creel, L.**, Livingston, J. E., McKee-Garrett, T. M., & Fortunov, R. (2017). A Multicenter Initiative for Critical Congenital Heart Disease Newborn Screening in Texas Neonatal Intensive Care Units. *Am J Perinatol*. doi:10.1055/s-0037-1599053

Creel, L.M., Gregory, S., McNeal, C. J., Beeram, M. R., & Krauss, D. R. (2017). Multicenter neonatal databases: Trends in research uses. *BMC Res Notes*, 10(1), 42. doi:10.1186/s13104-016-2336-4

Benitez, J. A., **Creel, L. M.**, & Jennings, J. A. C. (2017). Who and Where Are Kentucky's Remaining Uninsured? *Medical Care*, 55(3), 215-219. doi:10.1097/mlr.0000000000000646

Benitez, J., **Creel, L.M.**, & Jennings, J.A. (2016). Kentucky's Medicaid Expansion Showing Early Promise on Coverage and Access to Care. *Health Affairs*. 25(3). doi:10.1377/hlthaff.2015.1294

Guillory, C., Gong, A., Livingston, J., **Creel, L.M.**, Ocampo, E., & McKee-Garrett, T. Texas Pulse Oximetry Project (TxPOP): A Multi-center Educational and Quality Improvement Project for Implementation of Critical Congenital Heart Disease Screening using Pulse Oximetry. *American Journal of Perinatology*. (forthcoming).

Wendel, M., **Creel, L.M.**, Wells, R., Gregory, S.T., Cummings, A., & Roper-Coleman, S. Using Network Analysis to Measure Changes in Local Collaboration Resulting from Implementation of the Texas Healthcare Transformation and Quality Improvement Program. (Preparing for Submission)

Creel, L.M. Outcomes of Newborn Hearing Screening in a NICU Setting. (Preparing for Submission)

Creel, L.M., and **Jennings, J. C.** "Trends in Hospital Health Promotion Services before and after the ACA." (Working Paper)

Creel, L.M. Newborn Hearing Screening, Discharge Hospital Scheduling, and Follow-Up Outcomes. (Working Paper in collaboration with Bush, M. & Lester, C.)

Creel, L.M. & Tamayo, L. Stakeholder Perceptions of Program Sustainability in the Texas Medicaid 1115 Waiver. (Working Paper)

TECHNICAL REPORTS AND OTHER PUBLICATIONS

Creel, L.M. & Buchino, S. (2016). ACA Implementation in Metro Louisville: Outreach, Enrollment, and the Remaining Uninsured. Available at <http://louisville.edu/sphis/departments/commonwealth-institute-of-kentucky/docs-and-pdfs-1/aca-implementation-louisville>.

Creel., L., Wendel, M. (September 2015). Chapter 9: Stakeholder feedback, evaluation goals 9 and 10. In *Evaluation of the Texas Healthcare Transformation Quality Improvement program 1115(a) Demonstration Waiver*. Austin, TX: Texas Health and Human Services Commission.

Creel., L., Wendel, M. (September 2015). Chapter 10: Changes in regional healthcare partnership collaboration, evaluation goal 9 in *Evaluation of the Texas Healthcare Transformation Quality Improvement program 1115(a) Demonstration Waiver*. Austin, TX: Texas Health and Human Services Commission.

Creel., L., Wendel, M. (September 2015). Chapter 11: Learning collaboratives as a quality improvement process. In *Evaluation of the Texas Healthcare Transformation Quality Improvement program 1115(a) Demonstration Waiver*. Austin, TX: Texas Health and Human Services Commission.

McMaughan, D., DeSalvo, D., **Creel, L.** Maternal and Child Health in Rural United States: Updates and Challenges. In: Bolin JN, Bellamy G, Ferdinand AO, et al. eds. Rural Healthy People 2020. Vol. 1. College Station, TX: Texas A&M University Health Science Center, School of Public Health, Southwest Rural Health Research Center; 2015:119-125.

Armstrong, T., Brossart, D., **Creel, L.**, Du, Y., Ghaffari, A., Gregory,, S.T., Helduser, J., Kum, H.C., McMaughan, D., Ohsfeldt, R., Olutola, O., Pennel, C., Tamayo, L., Wells, R. and Zhao, H. (2014). DSRIP funded Patient Care Navigation to Reduce ED Use: Report to Participating Sites. Strategic Decision Support, Texas Health and Human Services Commission.

Brown, H.S., Madsen, K.K., Perry, C.L., Stigler, M., Colwell, B., Blakely, C., & **Creel, L.M.** *Smoke-free workplace environments: the benefits to Texans and their communities*. Austin, TX: Smoke-Free Texas. Available at:
http://s3.amazonaws.com/smokefree/fact_sheets/original/Secondhand%20Smoke%20Economic%20Study_FINAL.pdf#.

Bohr, D., Barrera, S., Torres G., **Creel, L.** (2006). *Report of the National Steering Committee on Hospitals and the Public's Health*. Chicago, IL: Health Research & Educational Trust. Available at:
<http://www.hret.org/upload/resources/reportnsc.pdf>.

CONFERENCE PUBLICATIONS AND PRESENTATIONS

Davis, D., **Creel, L.M.**, Benitez, J., Lohr, W.D., Feygin, Y., Smith, M., & Liu, G. Achieving Quality Outcomes in Youth Prescribed Antipsychotic Medications: What Matters? Oral Presentation at: Pediatric Academic Societies Annual Conference; May 2017; New Orleans, LA.

Creel, L.M., Lester, C., & Bush, M. Impact of Hospital Scheduling on Follow-up Appointments After Failed Newborn Hearing Screening. Oral presentation at: EHDI Annual Conference; February 2017; Atlanta, GA.

Creel, L.M. & Jennings, J.C. Trends in Hospitals' Health Promotion Services Before and After the ACA. Oral presentation at: AcademyHealth Annual Research Meeting; June 2016; Boston, MA.

Jennings, J.C. & **Creel, L.M.** Trends in Hospitals' Health Promotion Services Before and After the ACA. Poster presentation at: AcademyHealth Annual Research Meeting; June 2016; Boston, MA.

Buchino, S. **Creel, L.M.**, & Wendel, M. Consumer Experiences with the Affordable Care Act in Kentucky. Poster presentation at: AcademyHealth Annual Research Meeting; June 2016; Boston, MA.

Wendel, M, **Creel, L.M.**, Wells, R, Gregory, S.T., Cummings, A., & Roper-Coleman, S. Using Network Analysis to Measure Changes in Local collaboration Resulting from Implementation of the Texas Healthcare Transformation and Quality Improvement Program. Oral presentation at: American Public Health Association Annual Meeting; November 2015; Chicago, IL.

Wendel, M, **Creel, L.M.**, McMaughan, D., Cummings, A., & Roper-Coleman, S. Stakeholder Perceptions of Strengths and Challenges in Texas' Healthcare Transformation and Quality Improvement Program. Oral presentation at: American Public Health Association Annual Meeting; November 2015; Chicago, IL.

Creel, L.M., Gregory, S.T., McNeal, C.J., Beeram, M., Krauss, D. Multicenter Neonatal Databases: Trends in Research Uses. Poster presentation at: Academy Health Annual Research Meeting; June 2015; Minneapolis, MN.

Wendel, M, **Creel, L.M.**, Wells, R, Gregory, S.T., Cummings, A., & Roper-Coleman, S. Using Network Analysis to Understand Regional Differences in Collaboration Resulting from the Texas Healthcare Transformation and Quality Improvement Program 1115(a) Medicaid Waiver. Poster presentation at: Academy Health Annual Research Meeting; June 2015; Minneapolis, MN.

Ghaffari, A., Wells, R., Armstrong, T., **Creel, L.M.**, Kum, H., Brossart, D., Roper-Coleman, S. & Sunbury, T. Applying Relational coordination to Inter-Agency Teamwork and Patient Experiences with Providers. Paper presentation at: Organization Theory in Health Care Association Annual Conference; May 2015, Richmond, VA.

Wendel, M. & **Creel, L.M.** Evaluation of the Texas Healthcare Transformation and Quality Improvement Program: 1115(a) Medicaid Demonstration Waiver. Platform presentation at: 2014 Statewide Learning Collaborative Summit; September 2014; Austin, TX.

Creel, L.M., Gregory, S.T., McNeal, C.J., Beeram, M.R., & Krauss, D.R. Trends in Newborn Hearing Screening & Risk of NICU Admission on Hearing Loss in Infants at Scott & White. Poster presentation at: Scott and White Research Days; May 2014; Temple, TX.

Oluyomi, A., Lee, C., Nehme, E., Dowdy, D., Ory, M., Hoelscher, D., & **Creel, L.M.** Parental safety concerns and active school commute: correlates across multiple domains in the home-to-school journey. Platform presentation at: 2014 Active Living Research Annual Conference; March 2014; San Diego, CA.

Creel, L.M., Au, S., & NCC Telegenetics Workgroup. Quality improvement in telegenetics: the development of common evaluation measures. Platform presentation at: 2013 American Telemedicine Association Annual Meeting; April 2013; Austin, TX.

Creel, L.M., Kaye, C.I., Hooker, J., Hassell, K., & Miller, C. Engaging Native American families in community health transformation: a case study. Platform presentation at: Eighth National Conference on Quality Health Care for Culturally Diverse Populations; March 2013; Oakland, CA.

Creel, L.M. The application of telehealth in genetic services delivery: a model for the HRSA MCHB regional genetic services collaboratives. Platform presentation at: HRSA Office for the Advancement of Telehealth Grantee Meeting; March 2012; Washington, DC.

Hasegawa L, **Creel L**, Kubendran S, Au S. Telegenetics clinics in the United States: success, challenges, and future directions. Poster presentation at: American College of Medical Genetics Annual Clinical Genetics Meeting; March 2012; Charlotte, NC.

Creel, L.M., Landgren, S. MSGRC telemedicine projects: an overview. Platform presentation at: The Northwest Regional Telehealth Resource Center Annual Conference; March 2012; Billings, MT.

Creel L.M., Eckman J, Griffin J, Harris KB, Keehn A, Stock J, Waisbren S, Whitehead S. Transition activities among the regional collaboratives. Poster presentation at: Association of Maternal and Child Health Programs Conference; February 2012; Alexandria, VA.

Borgfeld, L, Williams, D, **Creel, L**, Hooker, J, Kaye, C, writing for the MSGRC Emergency Preparedness Workgroup. Newborn screening emergency planning: understanding laboratory capacity and backup sources in the mountain states region (AZ, CO, MT, NM, NV, TX, UT, WY). Association of Public Health Laboratories 2011 Newborn Screening and Genetic Testing Symposium; November 2011; San Diego, CA.

Perry W, Borgfeld L, Williams D, Tanksley S, Freedenberg D, Martinez D, Taylor L, Torres J, **Creel L**, Hooker J. Newborn screening program emergency preparedness: Texas-Florida partnership. Association of Public Health Laboratories 2011 Newborn Screening and Genetic Testing Symposium; November 2011; San Diego, CA.

Hasegawa L, **Creel L**, Kubendran S, Andersson H, Au S. Telegenetics clinics in the United States: success, challenges, and future directions. 12th International Congress of Human Genetics; October 2011; Montreal, QC.

Hooker J., **Creel L.M.**, Thomas J., Brilliant M., Kaye C.I. MSGRCC projects promote access to genetic services. Platform presentation at: 138th American Public Health Association Annual Meeting; November 2010; Denver, CO.

Creel L.M., Hooker J., Kaye C.I., MSGRCC Consumer Advocacy Workgroup. The life rope: engagement of diverse populations for recruitment and representation in genetics. Poster presentation at: Academy for Health Equity, 2010 Conference; August 2010; Denver, CO.

Madsen, K.K., **Creel, L.M.**, Woodbury, V.M. Community health behind bars: opportunities in correctional health. Platform presentation at: Association for Community Health Improvement Annual Meeting; March 2009; Los Angeles, CA.

Madsen, K.K., **Creel, L.M.**, Miller, C.D., Potter, R.H., Loe, H., Mitias, M. Jail re-entry in Dallas: achieving public health goals through system based partnerships and leadership. Poster presentation at: American Public Health Association Annual Meeting; October 2008; San Diego, CA.

Creel, L.M. Panelist: A Neighborly Conversation, ANC Radio, November 2006, Show Topic: Pandemic Preparedness.

Madsen, K.K., Pickens, S., **Creel, L.M.** Advancing health system effectiveness through non-traditional workforce: a case study. Poster presentation at: International Hospital Federation Conference; 2007; Geneva, Switzerland.

Creel, L.M. Public Health Stakeholder Engagement. Panel presentation at: Texas Rural Health Conference; 2006; Austin, Texas.

RELATED EMPLOYMENT EXPERIENCE

University of Texas Health Science Center at San Antonio

Department of Pediatrics

Independent Contractor, Data Analyst

College Station, TX
June 2013 – present

Texas Pulse Oximetry Project (TxPOP), Phases 1 and 2

This project is funded through the Texas Department of State Health Services and seeks to pilot pulse oximetry screening for critical congenital heart disease (CCHD) in well-baby nurseries and neonatal intensive care units in Texas. Pilot data are used to inform CCHD screening policy in Texas and across the United States.

- Developed and maintained web-based data collection instruments
- Monitored data collection and served as point-of-contact for Nurse Champions who enter data
- Performed all data cleaning and analysis
- Prepared results, data summaries, tables, and figures for study reports and manuscripts

Texas Health Institute

Director of Community and Collaborative Projects

Austin, TX
June 2006 - May 2013

Directed projects in community health improvement and public health infrastructure development, including projects to improve access to care, increase health coverage, prevent chronic disease, and encourage policies and programs that improve the health of individuals and populations.

- Conducted assessments of community health needs and priorities and developed recommendations to meet identified needs. Included work under the CDC Community Transformation Grant Program, ACA-required hospital community health needs assessments, and contracts from local health departments.
- Served as Project Manager for the Mountain States Genetics Regional Collaborative (MSGRC), an eight state collaborative focusing on strengthening and sustaining the newborn screening and genetic services system across the region. Responsibilities included analysis of relevant interventions and policy options, developing policy recommendations, workgroup coordination, literature reviews, stakeholder surveys, budget management, writing abstracts and reports, and subgrantee selection. Coordinated stakeholder engagement across sectors, including public health, clinical providers, and consumer advocacy groups, which led to project success. States covered under the MSGRC included Arizona, Colorado, Montana, Nevada, New Mexico, Texas, Utah, and Wyoming.
- Oversaw the planning, implementation, and evaluation of these projects through budget development and monitoring, strategic planning, staff coordination, and partner engagement.
- Staffed activities of the Partnership for a Healthy Texas: Conquering Obesity, a coalition of more than 50 statewide organizations focusing on health policies to prevent and reduce obesity.
- Identified, planned, prepared, and submitted grant applications. Successful in obtaining over \$600,000 in annual program funding from the Health Resources and Services Administration for the MSGRC, as well as multiple contracts in Texas.

- Managed one full-time staff member, one half-time staff member, and between 2-5 contractors at any one time.

PROFESSIONAL AFFILIATIONS

- Member, AcademyHealth
- Member, American Public Health Association
- Member, Alpha Eta Society
- Member, Phi Kappa Phi Honor Society
- Member, Alpha Omega Society

SERVICE

- University of Louisville School of Public Health and Information Sciences Department of Health Management and Systems Sciences, PhD Committee, 2015-present
- Reviewer, Texas Public Health Association Journal, 2015-present
- Student representative, TAMU HPM Faculty Search Committee, 2014
- Member, Texas Pregnancy Risk Assessment Monitoring System (PRAMS) Steering Committee, 2009 to 2013
- Co-chair, Telegenetics Workgroup of the National Coordinating Center for the Genetic and Newborn Screening Service Collaboratives, 2011 to 2013