

CURRICULUM VITAE
OF
KENNETH D. SMITH, PH.D.
KNOXVILLE, TENNESSEE

PUBLIC HEALTH ECONOMIST
POLICY RESEARCHER/SYSTEMS THINKER
MANAGEMENT CONSULTANT/COMMUNITY ENGAGEMENT

Researcher and practitioner with extensive experience working collaboratively to solve complex problems.

- Social scientist and empirical economist with a focus on policy analysis, program evaluation, and social determinants of health.
- Systems thinker skilled at strategic planning and organizational change management.
- Expert in identifying leverage points for change in complex systems.
- Seasoned facilitator and advisor for local, regional, and national organizations.
- Adept user of mixed methods, econometrics, and applied demography
- Passionate about health equity, global health, and environmental justice.

PROFESSIONAL EXPERIENCE

ASSISTANT PROFESSOR
UNIVERSITY OF TENNESSEE KNOXVILLE
KNOXVILLE, TN
2021 TO PRESENT

Assistant Professor of Public Health in the School of Education, Health, and Human Sciences.

Research: Academic focus involves action research to tackle the structural determinants of health inequities at the local, national, and global levels. I work collaboratively with advocates, coalitions, community leaders, and non-governmental organizations to identify and implement strategies to address wicked social problems that keep health disparities locked in place. I help diffuse knowledge, learnings, and best practices for maximum impact.

Teaching: Currently teaching graduate course in Healthcare Organizations: Behavior and Management and scheduled to teach Global Public Health.

SENIOR PUBLIC HEALTH RESEARCH ANALYST
TEXAS HEALTH INSTITUTE (THI), AUSTIN, TX
2018 TO 2021

Develop, manage, and administer the community health portfolio across the state of Texas; oversee analysts and interns; provide subject matter and methodological expertise to health equity team. Project Director for the Rural Communities Opioid Response Program planning grant for East Texas.

KEY ACHIEVEMENTS:

- Conducted cost analysis of providing dental benefits to adults with disabilities in Medicaid. Worked collaboratively with Coalition for Texans with Disabilities to disseminate policy brief of analysis with resulted in passage of new legislation providing preventive dental to adults with disabilities.
- Develop policy brief and presented webinar on the impact of SARS COVID-19 on behavioral health in Texas.
- Project Director for the HRSA-funded Rural Communities Opioid Response Program—Planning in cooperation with Stephen F. Austin University School of Social Work. Developed a cross-sectoral consortium to address opioid prevention treatment, and referral.
- Developed and implemented vision and evaluation methods for largest Southern Obesity Summit in 13 years, training nearly 500 registrants to meet learning, motivational, and networking outcomes.
- Conducted in-depth interviews and analyzed budgets with elected and appointed officials to build capacity for strategic budgeting for health.
- Uncovered health needs and priorities and developed regional health improvement strategies across East Texas as part of a series of community health needs assessments for CHRISTUS Health.
- Developed sample design and sampling weights for survey to capture social determinants of health in Houston’s most diverse community.
- Senior consultant for a Robert Wood Johnson Foundation-funded health project, a first-of-its kind realist evaluation of system alignment for health equity cross-sector collaboratives across Texas.

RESEARCH FELLOW & INTERIM DIRECTOR, CENTER TO ELIMINATE HEALTH DISPARITIES

OFFICE OF HEALTH POLICY AND LEGISLATIVE AFFAIRS
UNIVERSITY OF TEXAS MEDICAL BRANCH, GALVESTON, TX
2014 TO 2018

Engaged community leaders and conducted research to identify and address health disparities. Wrote policy briefs and educated first- and second-year medical students about the role of public policy on health and health equity.

Key Achievements:

- Supervised six staff, managed administrative and outreach activities, and ensured the collection of race, ethnicity, and language data for electronic medical records.
- Addressed health in UTMB's patient population with research, analysis, and strategic interventions.
- Served as Principle Investigator on a study of the health risks and healthcare access of migrant children fleeing violence from Mexico and Central America. Coordinated multi-institution, transdisciplinary research team; recruited and convened the Cross-Sector Advisory Board for Child Refugee Health; and drafted a final report and policy brief.
- Delivered training, coaching, and technical assistance to healthcare organizations in the Community Centered Health Homes (CCHH) initiative, the largest demonstration of CCHH in the US.
- Coached C-suite leaders and director-level staff from five CCHH sites on adaptive leadership, authentic community engagement, and understanding complex systems to better support organizational change management and community transformation.
- Conducted return on investment analysis of job training and early childhood education programs offered by a Medicaid managed care organization to address social determinants of health.

LEAD SENIOR ANALYST, COMMUNITY AND ENVIRONMENTAL HEALTH
NATIONAL ASSOCIATION OF COUNTY & CITY HEALTH OFFICIALS, WASHINGTON, DC
2009 TO 2014

Served as policy expert for 1,500 public health departments on all issues related to chronic disease and environmental health. Convened national workgroups composed of public health officials and other experts, including Land-Use Planning workgroup. Implemented a policy, systems, and environmental approach to increase local government capacity and improve community health outcomes.

KEY ACHIEVEMENTS:

- Provided in-person technical assistance to local health departments across the country for healthier communities. Developed web-based training and educational materials for the association's 13,000 members.
- Led advocacy efforts and wrote effective policy statements to build support from U.S. House and Senate officials and NACHHO members.
- Created a portfolio of long-term, sustainable policy changes, funded by the CDC, Pew Charitable Trust, and Robert Wood Johnson Foundation (RWJF). Served as Project Director, leading health impact assessments and community development efforts, resulting in policy solutions to lower chronic disease rates and improve access to healthy, local food and safe spaces for physical activity and play.

- Directed and coordinated training academies for the Leadership for Healthy Communities initiative. Provided leadership development to senior health officers from the 50 largest city/metropolitan health departments.
- Convened the Land-Use Planning workgroup to strengthened greater integration between urban planners and local health officials.
- Informed Federal Drug Administration (FDA) on NACCHO recommendations on regulating trans fats and provided analytical support to FDA on food safety by developing and implementing a survey of restaurant grading and scoring systems.

DIRECTOR OF CHRONIC DISEASE PREVENTION

PHILADELPHIA DEPARTMENT OF PUBLIC HEALTH, PHILADELPHIA, PENNSYLVANIA
2006 TO 2009

Director responsibilities included the following: overseeing tobacco control, chronic disease, and fiscal units; managing contracts and 18 staff members; developing, administering, and evaluating programs to promote health, reduce chronic disease and reduce health disparities in Philadelphia; responding to queries from City Council; and drafting and presenting testimony on behalf of the health department at City Council hearings.

KEY ACHIEVEMENTS:

- Convened health coalitions: Steps to a Healthier Philadelphia Consortium, Philadelphia Food and Fitness Alliance, Smoke Free Philly, Healthy Environments Collaborative.
- Conducted community health assessments, facilitating planning, funded planned activities, and monitored progress at reducing chronic disease and associated risk factors at the city-level.
- Directed the Kellogg-sponsored Food and Fitness initiative and drafted a community action plan designed to improve access to fresh, locally grown fruits and vegetables, and access increased physical activity via modifications in the built environment.
- Implemented Philadelphia's Clean Indoor Air Act in cooperation with the Division of Environmental Health.
- Conducted Philadelphia's first Health Impact Assessment of the benefits of efforts at traffic calming and border softening at a site blocking access of local residents to the Boxer's Trail and other park amenities.
- Delivered testimony before City Council on bills related to menu labeling in restaurants and trans-fat prohibition in prepared foods.
- Participated in City Council task force on menu labeling convened by Councilwoman Blondell Reynolds Brown. Because of advocacy efforts in coordination with Steps Consortium, the menu labeling bill passed with overwhelming support—it is the most comprehensive menu labeling ordinance in the country.
- Managed the \$2.5 million Steps to a Healthier Philadelphia cooperative agreement between the CDC and the City of Philadelphia. Designed to reduce the prevalence of diabetes and obesity, developed the RFP process, and implemented a wide variety of contracts with community-based organizations to support primary prevention at the community level.

HEALTH ECONOMIST
THOMAS JEFFERSON UNIVERSITY AND MEDICAL COLLEGE
CENTER FOR RESEARCH ON MEDICAL EDUCATION AND HEALTHCARE
PHILADELPHIA, PENNSYLVANIA 2002 TO 2006

Responsible for supporting research as health economics consultant on Italian research and project director for pharmacoeconomic research.

KEY ACHIEVEMENTS:

- Developed, tested, and implemented risk adjusters using disease staging groups and newly developed chronic condition drug groups in a project sponsored by the *Agenzia Sanitaria e Sociale Regionale* of Emilia-Romagna, Italy.
- Engaged in a study of potentially inappropriate medication prescribing for elderly ambulatory patients in Emilia Romagna, Italy. Served as statistical consultant in the investigation of the impact of the repeal of pharmacy co-payments in Italy on the demand for essential and discretionary prescription drugs.
- Led a study of how physicians modify prescriptions for Type II diabetes patients in response to information regarding HbA1c levels, using claims/encounter data from Horizon Blue Cross merged with HbA1c lab results to profile patient histories. Developed econometric model and analysis plan.
- Explored the relationship between the use of Topiramate a new prophylactic medication for migraine headaches, on workplace absenteeism and presenteeism.

RESEARCH ECONOMIST
MATHEMATICA POLICY RESEARCH, INC., PRINCETON, NEW JERSEY
1997 TO 2002

Research with focus on the evaluation of large national demonstration projects, developing healthcare financing models, and answering client research questions regarding healthcare workforce issues. Responsible for reporting, including drafting Reports to Congress.

KEY ACHIEVEMENTS:

- Contributed to the evaluation and reporting of the following Medicare projects: Program for All-Inclusive Care For-Profit Demonstration, Evaluation of the Informatics, Telemedicine and Education Demonstration; and the Evaluation of the Social Health Maintenance Organization Demonstration.
- Developed and tested risk adjusters for Medicare Advantage and developed recommendations to CMS based on results. Developed a parsimonious risk adjuster as an option for Medicare Advantage. Compared alternative risk adjusters' ability to predict Medicare costs for dual eligible using a 10% percent sample of Medicare beneficiaries, and developed a risk adjuster for Colorado dual eligibles.

- Developed a scenario forecasting model of requirements and supplies for health professionals and paraprofessionals to assist the Assisi Foundation of Memphis allocate educational scholarships.
- As the statistical task leader for the Study of Employment Sites of Nursing Graduates, determined that the program was meeting budgeted performance goals of placing 40% of nursing graduates in medically underserved communities and identified factors affecting a graduate's decision to work in these locations.
- Monitored, provided technical assistance to, and studied outcomes of participants in state-based demonstration promoting work and financial independence among individuals receiving benefits from the Supplemental Security Income or Disability Insurance programs for the SSA
- Analyzed Medicaid claims data and developed an analysis plan to examine the cost effectiveness of having a usual source of medical care for NY Medicaid substance abusers.

EDUCATION

1998: Ph.D. – Economic Demography and Health Economics, The Johns Hopkins University, Bloomberg School of Public Health, Baltimore, MD

1990: Bachelor of Science – Economics and International Studies, Towson University, Towson, MD

APPOINTMENTS AND TEACHING EXPERIENCE

1999 to 2003: Adjunct Professor, The College of New Jersey

Courses: Microeconomics Principles and Macroeconomics Principles

2005 to 2006: Adjunct Assistant Research Professor, Thomas Jefferson Medical College

2007 to 2009: Adjunct Assistant Professor, Department of Health Management and Policy, Drexel University

Participated in meetings in this academic-public health partnership. Mentored graduate public health student interns as part of the academic-practice program

2017 to 2018: Assistant Adjunct Professor, UTMB Department of Pediatrics

Courses: Social Medicine and health policy lectures in Practice of Medicine I.

UTMB Policy Directorship (2014-2016): Developed policy content and integrated policy themes into the medical school curriculum.

2021 to present: Assistant Professor, University of Tennessee Knoxville

Courses: Healthcare Organizations: Behavior and Management

SELECTED PUBLICATIONS

Smith, KD (2021). Implementing a Medicaid Dental Benefit for Adults with Disabilities Can Yield Significant Cost Savings. TX: Texas Health Institute.

<https://www.texashealthinstitute.org/>

Smith KD, Barge, S., Jones, C., Cooper, K., Oliphant, E., Bailey-Wallace, K. (2020) *Local Government Expenditures and Health: Harrison County and Marshall, Texas Report*. Austin, TX: Texas Health Institute.

Smith, KD, Barge, S., Jones, C. (2020). COVID-19 in Texas: An Analysis of Behavioral Health Needs to Advance Response Efforts. Austin, Texas: Texas Health Institute.

<https://www.texashealthinstitute.org/>

Siddiqui, N., Faria, A., **Smith, KD.**, Andrulis, D., Sanghavi, A. (2020) *What Drives Health in Southwest Houston: Findings from a Community-Based Survey of the Social Determinants of Health*. Austin, TX: Texas Health Institute.

Lee, W. C., Serag, H., Ohsfeldt, R. L., Eschbach, K., Khalife, W., Morsy, M., **Smith, K.D.** ... & Raimer, B. G. (2019). Racial disparities in type of heart failure and hospitalization. *Journal of immigrant and minority health*, 21(1), 98-104.

Barshes, N. R., Sharath, S., Zamani, N., **Smith, K.**, Serag, H., & Rogers, S. O. (2018). Racial and geographic variation in leg amputations among Texans. *Texas public health journal*, 70(3), 22.

Barshes NR, Sharath S, Zamani S, **Smith KD**, Serag H, and Rogers, S. (2018). Racial and Geographic Disparities in Leg Amputations. *Texas Public Health Journal*, 70(3), 22.

Smith, KD (2018) *Estimating the Return on Investment for Community Health Choice's Life Services Programs*. Research report for the Episcopal Health Foundation. Galveston, Texas.

Schiavo, R. & **Smith, KD** (2017). Advancing Health Equity: Population Health and the Role of Multisectoral Collaboration. In Ronald Bailek (Ed.), *Solving Population Health Problems Through Collaboration*. Boca Raton: CRC Press.

Smith, KD and Serag, H (2017). *Central American Asylum-Seekers and Family Detention: What's in the Best Interest of Child Migrants?* Center to Eliminate Health Disparities at the University of Texas Medical Branch, Galveston, Texas.

Greeley, C., Guillot-Wright, S., Kovic, C., Raphael, J., Serag, H. & **Smith, KD** (2017). *Policies, Practices and Structures Impacting the Health and Care Access of Migrant Children: Research Report 2016*. Galveston, TX: Center to Eliminate Health Disparities.

Lee WC, Veeranki SP, Serag H, Eschbach K, **Smith KD** (2016) Improving the Collection of Race, Ethnicity, and Language Data to Reduce Healthcare Disparities: A Case Study from an Academic Medical Center. *Perspect Health Inf Manag*.

Smith, KD, Serag, H., Lee, W.-C., Eschbach, K. (2015). *A Plan to Address Documented Health Disparities while Enhancing UTMB Capacity for Coordinated Action: The 1st Improvement Plan*. Galveston, TX: Center to Eliminate Health Disparities.

Gase, L. N., Pennotti, R., & **Smith, KD** (2013). "Health in All Policies": taking stock of emerging practices to incorporate health in decision making in the United States. *Journal of Public Health Management and Practice*, 19(6), 529-540.

Smith, KD (2012). Addressing Climate Change Through a Health in All Policies Approach. *NACCHO Exchange*, Summer 2012.

Smith, KD, Cox, E. (2010). *A Roadmap for Chronic Disease Prevention: Building National Capacity for Population Health*. Washington, DC: National Association of County and City Health Officials. Available at: <http://www.naccho.org/resources/publications#>

Smith, KD (2010). From healthy homes to health equity. *Journal of Public Health Management and Practice*, 16(5), S3-S4.

Maio, V., Yuen, E. J., Novielli, K., **Smith, KD**, & Louis, D. Z. (2006). Potentially inappropriate medication prescribing for elderly outpatients in Emilia Romagna, Italy. *Drugs & Aging*, 23(11), 915-924.

Smith, KD, Goldfarb, N., Meurling, J. (2006). "Likelihood of Drug Modification in Response to Glycemic Control Change in Patients with Type 2 Diabetes." Philadelphia, PA: Department of Health Policy, Thomas Jefferson University.

Smith, KD, Yuen, E. J., Louis, D. Z., Rabinowitz, C., Maio, V., Jimbo, M., ... & Taroni, F. (2005). Risk adjustment in a non-market-based system: the case of Emilia-Romagna, Italy. *International journal of healthcare technology and management*, 7(1-2), 100-116.

Smith, KD, Their, S. (2006) Considering 'Faculty Priorities Reconsidered. *Health Policy Newsletter*. 2006;19(2):8.

Louis, D. Z., Yuen, E. J., Maio, V., Rabinowitz, C., Robeson, M., **Smith, KD**, & Gonnella, J. S. (2005). A population-based longitudinal healthcare database in the Emilia-Romagna Region, Italy: a resource for planning and research. *Health Policy Newsletter*, 18(2), 8.

Smith, KD, Yuen, E.J. (2003). Interim Report: Developing Risk Adjuster Models, Regione Emilia Romagna Italy. Philadelphia, PA: Center for Research on Medical Education and Health Care, Thomas Jefferson University.

Moreno, L., Chen, A., Archibald, N. D., **Smith, KD**, & Wooldridge, J. (2002). *First Interim Report on the Informatics for Diabetes Education and Telemedicine (IDEATel) Demonstration* (No. 55143). Princeton, NJ: Mathematica Policy Research, Inc.

Thornton, C., Retchin, S., **Smith, KD**, Fox, P. D., Black, W., & Stapulonis, R. (2001). Constrained innovation in managing care for high-risk seniors in Medicare + Choice risk plans. Princeton, NJ: Mathematica Policy Research, Inc.

Glazerman, S., **Smith KD** (2001). Design of a Comprehensive Study of the NIH Loan Repayment Program. Princeton, New Jersey: Mathematica Policy Research, Inc.

Smith, KD (2001). The Impact of the Second-Generation Social HMO on Health and Functioning Outcomes. Princeton, NJ: Mathematica Policy Research, Inc.

Smith, KD, Wooldridge, J., de Saw, C., & Sinclair, M. (2001). Professional Nurse Traineeship Grants: Who Gets Them and Where Do They Work after Graduation? Final Report.

Thornton, C., Retchin, S., **Smith, KD**, Fox, P., Black, W. (2001). Case Study of Medicare Managed Care for Frail Elders. Report submitted to the Assistant Secretary for Planning and Evaluation. Princeton, NJ: Mathematica Policy Research, Inc.

Brown, R., **Smith, KD**, Retchin, S., Trenholm, C., Chu, D. (2001) The Predictive Accuracy of a Parsimonious Risk Adjuster for Medicare Health Maintenance Organizations. Princeton, NJ: Mathematica Policy Research, Inc.

Smith, KD, Brown, R., Khan, N. (2001) The Predictive Accuracy of Risk Adjusters for Dual Eligibles. Princeton, NJ: Mathematica Policy Research, Inc.

Smith, KD, Perez-Johnson, I., & Wooldridge, J. (2000). Uncertainty and forecasting local health professional shortages. *Population Research and Policy Review*, 19(5), 477-503.

Smith, KD Older Workers' Cognitive Ability: Is It All in Their Heads? *NCOA Networks*, May 2000.

Brown, R., Foster, L., Hoag, S., Irvin, C., Kane, R. L., Newcomer, R., ... & **Smith, KD** (2001). *Social health maintenance organizations: Transition into Medicare+ choice*. Mathematica Policy Research.

Brown, R., **Smith, KD**, Retchin, S., Trenholm, C., Chu, D., & Penberthy, L. (1999). Minimal-Burden Risk Adjusters for the Medicare Risk Program. Available at: <http://econpapers.repec.org/paper/mpmprpres/>

Johnson, I-P, **Smith, KD**, Wooldridge, J. (1997) A Profile of Change: The Memphis-Shelby County Service Area and Its Health Care Professionals. Princeton, NJ: Mathematica Policy Research, Inc.

Smith, KD (1997). The Role of Chronic Diseases and Cognitive Functioning on the Labor Force Withdrawal Process: Insight from Retirement Expectations. Ph.D. thesis, The Johns Hopkins University, School of Hygiene and Public Health, 1997.

SELECTED PRESENTATIONS

“Community Centered Health Homes: Operationalizing the Community Clinic’s Role at Advancing Health and Not Just Healthcare.” Presenter and Panel Chair at the Texas Primary Care and Health Homes Summit. Austin, Texas, April 2018.

“Commensality: The Social and Health Benefits of Eating Together.” Presented at Healing the Museum: A Meal for My Ancestors, *ThaileLab*, Brussels, Belgium, January 2018.

“Policies, Practices and Structures Impacting the Health and Care Access of Refugee Children.” Presented at the Texas Medical Center, Health Policy Institute Forum, Houston, Texas, April 2017.

“Using the Electronic Health Records to Measure, Monitor, and Evaluate the Impact of Integrated Care / *El uso de los registros electrónicos de salud para medir, monitorear y evaluar el impacto de Atención Integral.*” Presented at the 3rd World Congress on Integrated Care, Mexico City, Mexico 2015.

“Nurtured Emergence: A National Strategy for Implementing Health in All Policies from the Ground Up.” Presented at the UTMB Health Policy Lecture, Galveston, Texas, October 2013.

“Using Health Impact Assessments (HIAs) to Address Environmental Health Disparities and Create Equity in Communities.” Presented at the Environmental Health Disparities and Environmental Justice Meeting, July 2013.

“The CHA-CHIP Process as an Opportunity to Implement Health in All Policies.” Presented at the Association for Community Health Improvement Conference, March 2013.

“The Diffusion of Policies and Practices in Public Health.” Presented at Rutgers University conference, New Jersey: The State of the State: Important Next Steps on Obesity Prevention, December 2012.

“Back to the Future: Public Health and a New Movement to Build Healthy Communities for All.” Presented at the World Bank World Wellness Week Forum, sponsored by the Pan-American Health Organization, September 2012.

“Risk Adjustment in Non-Competitive Markets.” Presented at the International Society of Pharmacoeconomic Outcomes Research 8th Annual European Congress, Florence, Italy, November 2005. (with Vittorio Maio and Elaine Yuen).

“Risk Adjustment for Dual Eligibles in Colorado.” Presented at the 2000 conference of the National Association of State Medicaid Directors and the 2000 conference of the Academy for Health Services Research and Policy.

LEADERSHIP AND COMMUNITY SERVICE

Chair, Board of Directors, The Common Market Texas. Houston, Texas. In May 2018 elected board chair for this nonprofit aggregator and distributor of local produce grown by small and middle-sized farmers using sustainable agriculture techniques. Re-elected to second timer in May 2019.

Interim President, Culture of Health Advancing Together (CHAT), Inc., Houston, Texas. Elected President by board in March 2018 for 6-month interim term to lead this refugee-serving organization focused on acculturating women and child refugees and immigrants in the Gulfton area of Houston.

Discussant, Aspen Institute Dialogue on Food Insecurity and Healthcare Costs, 2014-2015.

PROFESSIONAL AFFILIATIONS

Communications and Marketing: Talk show host for Princeton's Channel 30 television show, *Dharma Talk*. Contributor to *GRID*, the Philadelphia magazine of environmental sustainability. Co-founder of Seventh Sons' Productions in Baltimore, a community theatre dedicated to works by and about men of color.

Professional Associations: Society for Organizational Learning, Health Equity Initiative, American Public Health Association, Texas Public Health Association

HONORS/AWARDS/MEMBERSHIPS

Certificate of Completion, Disparities Leadership Program, Massachusetts General Hospital's Disparities Solution Center, 2014-2016.

Senior Fellow, Environmental Leadership Program, Delaware Valley, 2008-2010.

National Institute on Aging Minority Dissertations in Aging Grant, 1995-2007

School of Hygiene and Public Health Minority Fellowship, 1991-1993