

## Shane Reader, MA PhD

Policy Advisor Specializing in Health Care and Biosecurity

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### Relevant Highlights

- More than 7 years of experience delivering quantitative health and policy insights in Excel, R, Stata, SPSS
- Direct legislative experience with pharmaceutical and medical device policy (FDA, PBMs, 340B, MDUFA)
- Track-record of managing critical relationships, negotiating among stakeholders, and assembling coalitions

### Education

Science & Technology Policy Fellow, American Association for the Advancement of Science 2024-2026

Graduate Archer Fellow, University of Texas Archer Center in Washington DC 2023

**PhD**, Healthcare Management & Policy, University of Texas Health Science Center at Houston 2023

• Postgraduate Certificate in Public Health Law Research & Policy Surveillance

• Concentration in Biostatistics

**MA**, Experimental Psychology, Texas A&M University-Corpus Christi 2017

### Select Experience

Legislative Fellow driving health care and biosecurity policy solutions in Congress and championing Virginia

*United States Senate, Office of Senator Tim Kaine of Virginia* 9/2025 - Present

- Drafted original legislation to solve policy problems in commercial health care, biotechnology, and biodefense
- Built persuasive coalitions of constituents, consultants, and cosponsors to advance legislation
- Briefed the Senator on critical topics including drug policy, 340B, biotech, PBM reform, and biosecurity
- Represented the Senator in meetings with 700+ advocates across 200 meetings as of April 2026
- Introduced the bipartisan *Engineering Biology Readiness Act* to build a governance framework for frontier biology
- Prepared the Senator for high-profile hearings in which he garnered national news coverage

Policy Advisor strengthening biodefense and health security as lead on policy projects (Secret clearance)

*Countering Weapons of Mass Destruction (CWMD), Department of Homeland Security* 8/2024 - 8/2025

- Contributed to executive orders, legislation, and White House policy products on behalf of CWMD
- Represented CWMD at the National Security Council, Office of Science and Technology Policy, and workgroups
- Developed CWMD policy positions in the context of frontier science, policy developments, and intelligence
- Authored policy documents aligning legislative authorities, executive direction, and technical capabilities
- Wrote the CWMD Environmental Biodetection Mission, scaffolding programming to detect biological threats

Health Policy Consultant advising on legislative strategy with qualitative and quantitative data analysis

*Freelance (Client: Catalyst for Payment Reform)* 1/2024 - 8/2024

- Delivered actionable insights in accessible presentations and reports for internal and external audiences
- Advised on coalition strategies to advance state-specific policy reforms reducing health care costs
- Reinforced client communications with original data analysis and compelling data visualizations
- Organized project tasks and timetables across work streams to execute deliverables on-budget

Doctoral Researcher producing the evidence basis for health policy and Instructor for Health Law & Policy

*University of Texas Health Science Center; Texas Epidemic Public Health Institute* 1/2020 - 8/2023

- Performed 50-state legal analyses and policy evaluations
- Published 6 peer-reviewed articles on health and policy, presented 6 invited talks
- Earned \$2,000+ in prize money for science and policy presentations
- Taught 481 undergraduate-level students across 5 courses and 7 individual classes
- Trained and Supervised contributing research assistants

## Additional Experience

- AR/VR Program Lead building 360° virtual models of patient brains and assisting with neurosurgical navigation  
*Surgical Theater, Inc* 1/2020 - 7/2020
- Contract Data Analyst evaluating population-level trends for *Harris Cares: A 2020 Vision of Health in Harris County*  
*Harris County Public Health* 7/2019 - 11/2019
- Senior Program Coordinator managing epidemiologic research into the etiology of cancer  
*Baylor College of Medicine, Dan L Duncan Comprehensive Cancer Center* 7/2018 - 7/2019

## Service

- President leading a community coalition to coordinate viral hepatitis resources and advocacy  
*Houston Viral Hepatitis Task Force* 9/2019 - 9/2021
- Founded a 501(C)(3) non-profit community-based policy coalition to fight viral hepatitis
  - Implemented a two-year strategic plan informed by a community needs assessment, growing to 120+ members
- Adjunct Professor of Psychology instructing students in practical applications of behavior science  
*Houston Community College* 8/2019 - 12/2019
- Earned near-perfect student evaluations

## Selected Publications

- Irowa-Omoregie, D., Sanghavi, K., Reader, S.W., & Atanda, A. (*In Revision*). Temporal Patterns in Biosecurity-related Regulation Before and After Loper Bright
- Reader, S.W., & Atanda, A. (2025). Loper-Proofing Next-Generation Biosecurity Policy. *Journal of Science Policy and Governance*, 26. 10.38126/JSPG260205
- Reader, S.W., Breckenridge, E.D., Chan, W., Walton, G.H., & Linder, S.H. (2023). Dimension reduction of policy surveillance: Lessons from 911 Good Samaritan Laws. *Drug and Alcohol Dependence*, 249, 109934. 10.1016/j.drugalcdep.2023.109934
- Reader, S.W. (2023). The Good, the Bad, and the Ugly of Good Samaritan Laws. *ATTC Messenger*. <https://attcnetwork.org/centers/attc-network-coordinating-office/attc-messenger-feature-article-march-2023>
- Reader, S.W., Walton, G.H., Linder, S.H. (2022). Review and Inventory of 911 Good Samaritan Law Provisions in the United States. *International Journal of Drug Policy*, 110, 103896. 10.1016/j.drugpo.2022.103896
- Reader, S.W., Kim, H., El-Serag, H.E., & Thrift, A.P. (2020). Persistent challenges in the Hepatitis C Virus care continuum for patients in a Central Texas public healthcare system. *Open Forum Infectious Diseases*, 7, ofaa322. 10.1093/ofid/ofaa322

## Selected Presentations & Press

- Larson, J., & Holroyd, H. (2023). Research in Practice. *Temple University Center for Public Health Law Research*. <https://www.youtube.com/watch?v=QwMICl0kJO0>
- Singer-Vine, J. (2023). Overdose-related “Good Samaritan” laws. *Data Is Plural*. <https://www.data-is-plural.com/archive/2023-01-25-edition/>
- Reader, S. (2023). Dimension Reduction of Policy Surveillance: Lessons from the Nth Dimension. *Research Beyond Boundaries Poster Symposium*. [https://www.youtube.com/watch?v=gmlOdzGnz\\_A](https://www.youtube.com/watch?v=gmlOdzGnz_A)
- Reader, S. (2021). Modest savings following state regulation of most favored nation clauses. (\$1,000, 1st Prize). *UTHealth Virtual Research Day*. <https://www.youtube.com/watch?v=OVdVjd8fE2M>

## Ask me about my

- Award-winning science and policy presentations
- Person-centered data visualizations created with R, Stata, and Tableau, and their application to policy
- Latest baked goods: as of writing, croissant, macaron, challah, and pâte à choux