

# DANIEL P. HALL RIGGINS, MD, MPH

Board certified in pediatrics and board-eligible in preventive medicine



## EMPLOYMENT

2024  
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2023

- **Post-Doctoral Fellow in Public Health Informatics**  
Regenstrief Institute 📍 Indianapolis, IN
  - Full-time research position working on projects related to maternal child health
- **Preventive Medicine Fellowship**  
Cook County Health 📍 Chicago, IL
  - Maintained a weekly half-day clinic performing pediatric primary care
  - Also worked 70 hours in a clinic performing preventive care for refugee children
- **General Pediatrics Residency**  
Indiana University School of Medicine 📍 Indianapolis, IN
  - Received full-scope training in primary care, general inpatient, emergency department, newborn nursery, NICU, and PICU
- **ORISE Post-Baccalaureate Fellow**  
Food and Drug Administration 📍 Bethesda, MD
  - Worked as research assistant in bacterial genetics laboratory



## EDUCATION

2023  
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2021

- **Master of Public Health**  
Northwestern University Feinberg School of Medicine 📍 Chicago, IL
- **Medical Doctorate**  
Albert Einstein College of Medicine 📍 Bronx, NY
- **Bachelor of Arts in Molecular Biology**  
Kenyon College 📍 Gambier, OH



## HONORS AND AWARDS

2022

- **First Place Oral Presentation for Institutional Research Day**  
Cook County Health

## CONTACT

- ✉ Email
- 🔗 Landing Page
- Ⓜ Mastodon
- 🏛 Orcid
- 🐙 Github
- .linkedin LinkedIn

Made with the R packages  
[{pagedown}](#) and [{datadrivencv}](#)

Source code available on [github](#)

Last updated on 2024-03-13

- 2018 • **Distinction in Research in Clinical Investigation**  
Albert Einstein College of Medicine
- 2016 • **Student Scholarship**  
Academic & Health Policy Conference on Correctional Health
- 2015 • **David E. Rogers Student Fellowship Award**  
New York Academy of Medicine
- 2014 • **Jeffrey Schulman Memorial Scholarship**  
Albert Einstein College of Medicine
- 2012 • **Robert Bowen Brown Jr. Prize for Excellence in Biological Research**  
Kenyon College

## JOURNAL PUBLICATIONS

- 2019 • **Corynebacterium pseudodiphtheriticum Exploits Staphylococcus aureus Virulence Components in a Novel Polymicrobial Defense Strategy**  
mBio
  - Hardy, B.L., Dickey, S.W., Plaut, R.D., Riggins, D.P., Stibitz, S., Otto, M., Merrell, D.S.
  - DOI: [10.1128/mbio.02491-18](https://doi.org/10.1128/mbio.02491-18)
- 2017 • **Staphylococcus aureus Epicutaneous Exposure Drives Skin Inflammation via IL-36-Mediated T Cell Responses**  
Cell Host & Microbe
  - Liu, H., Archer, N.K., Dillen, C.A., Wang, Y., Ashbaugh, A.G., Ortines, R.V., Kao, T., Lee, S.K., Cai, S.S., Miller, R.J., Marchitto, M.C., Zhang, E., Riggins, D.P., Plaut, R.D., Stibitz, S., Geha, R.S., Miller, L.S.
  - DOI: [10.1016/j.chom.2017.10.006](https://doi.org/10.1016/j.chom.2017.10.006)
- 2017 • **Recent incarceration and buprenorphine maintenance treatment outcomes among human immunodeficiency virus–positive patients**  
Substance Abuse
  - Riggins, D.P., Cunningham, C.O., Ning, Y., & Fox, A.D.
  - DOI: [10.1080/08897077.2016.1220443](https://doi.org/10.1080/08897077.2016.1220443)
- 2013 • **Escherichia coli K-12 Survives Anaerobic Exposure at pH 2 without RpoS, Gad, or Hydrogenases, but Shows Sensitivity to Autoclaved Broth Products**  
PLoS ONE
  - Riggins, D.P., Narvaez, M.J., Martinez, K.A., Harden, M.M., & Slonczewski J.L.
  - DOI: [10.1371/journal.pone.0056796](https://doi.org/10.1371/journal.pone.0056796)

2010

- **Hydrogenase-3 Contributes to Anaerobic Acid Resistance of Escherichia coli**  
PLoS ONE
  - Noguchi, K., Riggins, D.P., Eldahan, K.C., Kitko, R.D., & Slonczewski, J.L.
  - DOI: [10.1371/journal.pone.0010132](https://doi.org/10.1371/journal.pone.0010132)

## MANUSCRIPTS

2024

- **A Statewide System for Pregnant People-Infant Linked Longitudinal Surveillance: Indiana's Model for Improving Maternal and Child Health**  
Submitted to International Journal of Population Data Science
  - Inderstrodt, J., Riggins, D.P., Greenwell, A., Price, J.P., Williams, J.L., Bezy, E., Forkner, A., Bowman, E., Miller, S.D., Schleyer, T.K.L., Grannis, S.J., Dixon, B.E.

2023

- **Using Social Vulnerability Indices to Predict Priority Areas for Prevention of Sudden Unexpected Infant Death in Cook County, IL: Cross-Sectional Study**  
Accepted at JMIR Public Health and Surveillance
  - Riggins, D.P., Zhang, H., & Trick, W.E.
  - Preprint: [23/05/2023:48825](https://doi.org/10.1186/2307-4882-2023-48825)

## SELECTED PROJECTS

Current  
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2023

- **Improving Health Communication for Early Childhood Educators**  
Indiana University School of Medicine 📍 Indianapolis, IN

- Mentor: [Jack Turman](#)
  - Description: Developing preventive and reactive communication strategies for early childhood educators to ease communication with parents when their children are ill and need to stay home
  - Output: None, currently in early implementation phase

Current  
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2023

- **Research Impact of Regenstrief Data Repositories**  
Regenstrief Institute 📍 Indianapolis, IN

- Mentor: [Brian Dixon](#)
  - Description: Led literature review assessing all research utilizing data derived from the institute's electronic health record repositories like the Indiana Network for Patient Care
  - Output: Preliminary internal report, currently in data collection phase

Current  
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2023

- **Longitudinal Health Surveillance of Mother-Infant Pairs**  
Regenstrief Institute 📍 Indianapolis, IN

- Mentor: [Brian Dixon](#)
  - Description: Provided pediatric expertise to the Indiana team collaborating with the CDC on electronic health surveillance for Mother-Infant pairs affected by opioid use, stillbirth, or syphilis
  - Output: None, currently in early implementation phase

2023  
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2021

- **Mapping and Predicting Sudden Infant Death** 📍 Chicago, IL  
Cook County Health
  - Mentor: [Bill Trick](#)
  - Description: Developing models of the geographic distribution of Sudden Infant Death Syndrome-related deaths in Cook County, IL
  - Output: Manuscript under review; Oral presentations to Cook County Health, Chicago Dept of Public Health, and Northwestern University
  
- **Wastewater Surveillance of SARS-CoV-2** 📍 Chicago, IL  
Cook County Department of Public Health
  - Mentor: [Kelley Bemis](#)
  - Description: Modeling early warning for surges in COVID-19 hospitalization from viral particle burden in local wastewater samples
  - Output: Poster presentation for MPH thesis and internal reports
  
- **Isolation/Quarantine for People Experiencing Homelessness** 📍 Chicago, IL  
Cook County Department of Public Health
  - Supervisor: [Kiran Joshi](#)
  - Description: Developing protocols for provision of housing for people needing infectious isolation who do not have preexisting options
  - Output: Internal protocols
  
- **Recovery Home Coordinated Capacity Project** 📍 Chicago, IL  
Cook County Health
  - Mentor: [Juleigh Nowinski-Konchak](#)
  - Description: Acted as interim program manager for an intervention using navigators and capacity management software to improve the experience for clients seeking placement at substance use recovery homes
  - Output: [Abstract](#) submitted to [54th ASAM Annual Conference](#)
  
- **Evaluation of the RISE Center** 📍 Oak Park, IL  
Cook County Health
  - Mentor: [Keiki Hinami](#)
  - Description: Generated descriptive statistics and an analysis of healthcare utilization for patients at CCH's medical respite center serving people experiencing homelessness
  - Output: [White paper](#)
  
- **Geospatial Network Analysis of Homicide Data** 📍 Chicago, IL  
Northwestern University Feinberg School of Medicine
  - Instructor: [Denise M. Scholtens](#)
  - Description: Visualized how zip codes of residence and incidence relate to each other in cases of homicide
  - Output: [Report](#)

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- **Grant Review for “Building Healthy Communities”**  
Cook County Department of Public Health 📍 Chicago, IL
  - Supervisor: [Jennifer Brothers](#)
  - Description: Reviewed and scored grant applications from community-based organizations for funding to support positive youth development
  - Output: Internal score forms, my three top-scoring reviews all received funding of \$250k - \$1M

2021  
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2020

- **Community Survey of the Indiana Avenue Cultural District**  
Indiana University School of Medicine 📍 Indianapolis, IN
  - Mentor: [Tracey Wilkinson](#)
  - Description: Developed a survey that investigated local residents' vision for the central historic neighborhood of the Black community in Indianapolis
  - Output: [IRB Protocol](#) and the [survey itself](#)

2016  
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2015

- **Incarceration and Buprenorphine Therapy**  
Albert Einstein College of Medicine 📍 Bronx, NY
  - Mentor: [Aaron D. Fox, M.D.](#)
  - Description: Analyzed how recent incarceration affected outcomes of buprenorphine replacement therapy for a cohort of patients receiving integrated treatment for HIV and opioid use disorder
  - Outputs: [Two presentations](#), first authorship on [journal publication](#), and research award from my medical school



## SELECTED PRESENTATIONS

2016

- **The relationship between incarceration and retention in opioid maintenance treatment ([slides](#))**  
9th Academic and Health Policy Conference on Correctional Health 📍 Baltimore, MD
  - Riggins, D.P., Fox, A.D.

2012

- **pH Regulation Differs Under Low Oxygen Conditions in E. Coli ([poster](#))**  
112th General Meeting of the American Society for Microbiology 📍 San Francisco, CA
  - Riggins, D.P., Martinez, K, Slonczewski, J.L.



## SELECTED EXTRACURRICULARS

Current  
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2023

- **Reviewer**  
Fetal/Infant Mortality Review Team 📍 Indianapolis, IN
  - Collaboratively review cases of fetal/infant death and validate case abstraction data
  - Collaboratively formulate recommendations for system improvement to support pregnant people, caregivers, and infants

Current   2024	<ul style="list-style-type: none"> <li>● <b>Committee Member</b> Indiana Perinatal Quality Improvement Collaborative  Indianapolis, IN           <ul style="list-style-type: none"> <li>• Advise on an initiative to form statewide data system for tracking developmental screening</li> </ul> </li> </ul>
Current   2024	<ul style="list-style-type: none"> <li>● <b>Committee Member</b> Indiana State Public Health Data Advisory Committee  Indianapolis, IN           <ul style="list-style-type: none"> <li>• Advise on data systems related to infant and maternal mortality</li> </ul> </li> </ul>
2022   2020	<ul style="list-style-type: none"> <li>● <b>Volunteer</b> <b>VOICES</b>  Indianapolis, IN           <ul style="list-style-type: none"> <li>• Chaperoned systems-involved youth on a college visit</li> <li>• Mentored youth leadership fellows on an advocacy project regarding housing/homelessness</li> </ul> </li> </ul>
2018   2014	<ul style="list-style-type: none"> <li>● <b>Clinical Volunteer</b> Einstein Community Health Outreach Clinic  Bronx, NY           <ul style="list-style-type: none"> <li>• Completed 15 clinical sessions at Einstein's student-run free clinic for uninsured/undocumented patients</li> <li>• During clinical years (3-4), provided primary care encounters for patients, ran back-of-house operations like laboratory/consult follow-up, and coordinated clinical flow</li> <li>• During pre-clinical years (1-2), performed chart review for information on quality measures as well as initial patient intake and triage</li> </ul> </li> </ul>
2018   2014	<ul style="list-style-type: none"> <li>● <b>Board Member</b> Einstein NICU Cuddling Club  Bronx, NY           <ul style="list-style-type: none"> <li>• Acted as board member for 2015-2016 academic year, coordinating training and scheduling for program volunteers</li> <li>• Personally provided 16 hours of supportive human touch for neonates in the Montefiore neonatal intensive care unit</li> </ul> </li> </ul>
2016   2014	<ul style="list-style-type: none"> <li>● <b>Board Member</b> Einstein Social Medicine Lecture Series  Bronx, NY           <ul style="list-style-type: none"> <li>• Coordinated lectures delivered by invited speakers on the following topics: healthcare for refugees, ethics of lethal injection, correctional health, and social implications of antimicrobial resistance</li> </ul> </li> </ul>
2014   2012	<ul style="list-style-type: none"> <li>● <b>Board Member</b> Health Education Outreach Program  Bethesda, MD           <ul style="list-style-type: none"> <li>• Personally taught 10 health lessons at homeless shelters in the Maryland suburbs of Washington D.C.</li> <li>• As board member, helped with recruiting, training, and development of <a href="#">organization web site</a></li> <li>• As head teacher, coordinated scheduling, <a href="#">wrote/edited content</a>, and assigned responsibilities for a group of 5 teachers</li> </ul> </li> </ul>

## ❖ PERSONAL INTERESTS

- **Bicycling**  
For my commute, recreationally, and as an avenue for advocacy
- **Citizen Science**  
Like the iNaturalist project
- **Gardening**  
I have a rain garden that serves as pollinator habitat
- **Mapping**  
Especially with the free OpenStreetMap project
- **Open Source**  
Especially projects in the R language