

John Kubale, PhD, MPH
Research Assistant Professor
ICPSR, Institute for Social Research
University of Michigan

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Education

University of Michigan School of Public Health <i>Doctor of Philosophy in Epidemiologic Science</i> “Severe Illness Associated with Respiratory Viruses: Burden and Temporal Dynamics” Committee chair: Aubree Gordon, PhD	Ann Arbor, MI December 2020
<i>Master of Public Health in Global Health Epidemiology</i>	April 2017
Xavier University <i>B.A. Liberal Arts; Minor: Natural Sciences,</i> Magna cum laude	Cincinnati, OH May 2011

Professional Experience

Adjunct Research Assistant Professor Joint Program in Survey Methodology (JPSM), University of Maryland-College Park	August 2023-Present
Research Assistant Professor (tenure track) ICPSR, Institute for Social Research University of Michigan-Ann Arbor	July 2022-Present
Postdoctoral Research Fellow Department of Epidemiology, Gordon Lab Group University of Michigan School of Public Health	January 2021-June 2022

Teaching and Course Development

SURV 615/SURVMETH 685: Statistical Methods and Machine Learning I Joint Program in Survey and Data Science University of Michigan and University of Maryland Lead Instructor	August 2023-December 2023
EPID 601: Principles and Methods of Epidemiology Department of Epidemiology University of Michigan School of Public Health Guest lecturer: “Intro to Studies and Cohort Studies”	September 2023
Using R in Cohort Studies Developed and led a series of workshops on using R for data cleaning, management, and analysis for members of A2CARES international research group.	March 2021-July 2021
Pandemics and Medicine University of Michigan Medicine School Expert Consultant for Epidemiology course content developed for all M2 and M3s	April 2020

University of Michigan School of Public Health
Graduate Student Instructor

An Introduction to Programming in R and R Studio

June 2017-July 2017

Sustainable Sciences Institute (SSI) Managua, Nicaragua
Conducted series of workshops on using R and R Studio in English and Spanish

Publications

Co-first or co-senior authorship indicated by *

1. Noppert GA, Clarke P, Hoover A, **Kubale J**, Melendez R, Duchowny K, Hegde ST. State Variation in Neighborhood COVID-19 Burden: Findings from the COVID-19 Neighborhood Project. *medRxiv*. doi: <https://doi.org/10.1101/2023.05.19.23290222>. Accepted at *Communications Medicine*.
2. **Kubale J***, Kujawski S*, Chen I, Wu Z, Khader IA, Hasibra I, Whitaker B, Gresh L, Simaku A, Simões EAF, Al-Gazo M, Rogers S, Gerber SI, Balmaseda A, Tallo VL, Al-Sanouri TM, Porter R, Bino S, Azziz-Baumgartner E, McMorro M, Hunt D, Thompson M, Biggs HM, Gordon A. Etiology of acute lower respiratory illness hospitalizations among infants in four countries. *Open Forum Infectious Diseases*. 16 Nov 2023. doi: 10.1093/ofid/ofad580.
3. Biggs HM, Simões EAF, Khader IA, Thompson MG, Gordon A, Hunt DR, DeGroot NP, Porter R, Bino S, Marar BI, Gresh L, de Jesus-Cornejo J, Langley G, Thornburg NJ, Peret TCT, Whitaker B, Zhang Y, Wang L, Patel MC, McMorro M, Campbell W, Hatibi I, Duka E, Al-Gazo M, **Kubale J**, Sanchez F, Lucero MG, Tallo VL, Azziz-Baumgartner E, Simaku A, Gerber SI on behalf of the IRIS Network. Respiratory Syncytial Virus Infection among Hospitalized Infants in Four Middle-Income Countries. *J Pediatric Infect Dis Soc*. 2023 Jun 14:piad042. doi: 10.1093/jpids/piad042.
4. Noppert GA, **Kubale JT**. Towards a Systematic Approach for Incorporating Social Environment Data in the Study of Infectious Diseases. *Lancet Public Health*. 2023 January 17.
5. **Kubale JT**, Balmaseda A, Frutos AM, Saborio S, Ojeda S, Barilla C, Sanchez N, Shotwell A, Meyers A, Lopez R, Plazaola M, Kuan G, Gordon A. High Co-circulation of Influenza and SARS-CoV-2. *Open Forum Infectious Diseases*. 2022 November 28.
6. Smith M*, **Kubale J***, Kuan G, Ojeda S, Vydiswaran N, Sanchez N, Gresh L, Latta K, Lopez R, Patel M, Balmaseda A, Gordon A. Respiratory Syncytial Virus Incidence and Severity in a Community-Based Prospective Cohort of Children Aged 0-14 Years. *Open Forum Infectious Diseases*. 2022 November 8.
7. **Kubale J***, Gleason C*, Carreño JM, Srivastava K, PARIS Study Team, Gordon A*, Krammer F*, Simon V*. SARS-CoV-2 spike-binding antibody longevity and protection from re-infection prior to the emergence of viral variants of concern. *mBio*. 2022 August 23.
8. Maier HE, Balmaseda A, Ojeda S, Cerpas Cruz C, Sanchez N, Plazaola M, **Kubale J**, Lopez R, Saborio S, Barilla C, Harris E, Kuan G, Gordon A. Protection Associated with Previous SARS-CoV-2 Infection in Nicaragua. *New England Journal of Medicine*. 2022 July 20.
9. Wagner AL, Sanchez N, **Kubale J**, Kuan G, Gresh L, Lopez R, Ojeda S, Azziz-Baumgartner E, Balmaseda A, Gordon A. Effectiveness of Partial Influenza Vaccination in Infants and Young Children. *Journal of Infectious Diseases*. 2022 July 7.
10. **Kubale J***, Balmaseda A*, Frutos A, Sanchez N, Plazaola M, Ojeda S; Saborio S, Lopez R, Cerpas Cruz C, Chowdhury M, Harris E, Kuan G, Gordon A. Burden of SARS-CoV-2 and Protection from Symptomatic Secondary Infection in Children. *JAMA Network Open*. 2022 June 27.

11. Noppert GA, Hegde ST, **Kubale JT**. Exposure, Susceptibility, and Recovery: A Framework for Examining the Intersection of the Social and Physical Environment and Infectious Disease Risk. *American Journal of Epidemiology*. 2022 October 18.
12. Li Y, Wang X, Blau DM, Caballero MT, Feikin DR, Gill CJ, Madhi SA, Omer SB, Simões EAF, Campbell H, Pariente AB, Bardach D, Bassat Q, Casalegno JS, Chakhunashvili G, Crawford N, Danilenko D, Do LAH, Echavarria M, Gentile A, Gordon A, Heikkinen T, Huang QS, Jullien S, Krishnan A, Lopez EL, Markić J, Mira-Iglesias A, Moore HC, Moyes J, Mwananyanda L, Nokes DJ, Noordeen F, Obodai E, Palani N, Romero C, Salimi V, Satav A, Seo E, Shchomak Z, Singleton R, Stolyarov K, Stoszek SK, von Gottberg A, Wurzel D, Yoshida LM, Yung CF, Zar HJ; **Respiratory Virus Global Epidemiology Network**, Nair H; RESCEU investigators. Global, regional, and national disease burden estimates of acute lower respiratory infections due to respiratory syncytial virus in children younger than 5 years in 2019: a systematic analysis. *Lancet*. 2022 May 28.
13. Frutos AM, **Kubale J**, Kuan G, Ojeda, S, Vydiswaran N, Sanchez N, Plazaola M, Lopez R, Balmaseda A, Gordon A. SARS-CoV-2 and endemic coronaviruses: Comparing symptom presentation and severity of symptomatic illness among Nicaraguan Children. *PLOS Global Public Health*. 2022 May 25.
14. Cheng WA, Congrave-Wilson Z, Lee Y, Perez S, Turner L, Ruiz CJM, **Kubale J**, Mendieta S, Skura A, Jumarang J, Del Valle J, Gordon A, Allen EK, Thomas PG, Pannaraj PS. Comparison of Longitudinal Serology in Individuals Following SARS-CoV-2 Infection, Vaccination, and Both through 9-12 Months. *Vaccines (Basel)*. 2022 May 20.
15. Wraith S, Balmaseda A, Bustos Carillo FA, Kuan G, Huddleston J, **Kubale J**, Lopez R, Ojeda S, Schiller A, Lopez B, Sanchez N, Webby R, Nelson M, Harris E, Gordon A. Homotypic protection against influenza in a pediatric cohort in Managua, Nicaragua. *Nature Communications*. 2022 March 4.
16. Maier HE*, Kuan G*, Saborio S, Bustos Carillo FA, Plazaola M, Barilla C, Sanchez N, Lopez R, Smith M, **Kubale J**, Ojeda S, Zuniga Moya J, Carlson B, Lopez B, Gajewski A, Chowdhury M, Harris E, Balmaseda A, Gordon A. Clinical spectrum of SARS-CoV-2 infection and protection from symptomatic re-infection. *Clinical Infectious Diseases*. 2021 Aug 19.
17. Wagner AL, Gresh L, Sanchez N, Kuan G, **Kubale J**, Lopez R, Ojeda S, Azziz-Baumgartner E, Balmaseda A, Gordon A. Influenza illness and partial vaccination in the first two years of life. *Vaccines (Basel)*. 2021 Jun 20.
18. **Kubale J**, Kuan G, Gresh L, Ojeda S, Schiller A, Sanchez N, Lopez R, Azziz-Baumgartner E, Wraith S, Harris E, Balmaseda A, Zelner J*, Gordon A*. Individual-Level Association of Influenza Infection with Subsequent Pneumonia: A Case-Control And Prospective Cohort Study. *Clinical Infectious Diseases*. 2021 Dec 6.
19. **Kubale J**, Balmaseda A, Sanchez N, Lopez R, Gresh L, Ojeda S, Harris E, Kuan G, Zelner J*, Gordon A*. Pneumonia Following Symptomatic Influenza Infection Among Nicaraguan Children Before And After Introduction of the Pneumococcal Conjugate Vaccine. *Journal of Infectious Diseases*. 2021 Aug 16.
20. **Kubale J**, Kuan G, Gresh L, Ojeda S, Azziz-Baumgartner E, Sanchez N, Lopez R, Harris E, Balmaseda A, Gordon A. Assessing the Incidence of Symptomatic Respiratory Syncytial Virus (RSV) Illness within a Prospective Birth Cohort in Managua, Nicaragua. *Clinical Infectious Diseases*. 2020 May 6.
21. Coalson JE, Cohee LM, Buchwald AG, Nyambalo A, **Kubale J**, Seydel K, Mathanga D, Taylor TE, Laufer MK, Wilson ML. Models predict that school-age children are responsible for the majority of human-to-mosquito *P. falciparum* transmission in southern Malawi. *Malaria Journal*. 2018 Apr 3.
22. Noppert GA, **Kubale JT**, Wilson ML. Analyses of infectious disease patterns and drivers largely lack insights from social epidemiology: contemporary patterns and future opportunities. *Journal of Epidemiology and Community Health* 2017 Apr 7.

Preprints and Manuscripts in Prep

23. Zhang F, Ren J, Garon C, Huang Z, **Kubale J**, Wagner AL. Complex interplay of science reasoning and vaccine hesitancy among parents in Shanghai, China. **(Under Review)**

24. Cone J, Millien L, Pollari C, Brite J, Badger H, **Kubale J**, Noppert G, Hegde S, Brackbill R, Farfel M. The Association between Socioeconomic Status and Race/Ethnicity with Home Evacuation of Lower Manhattan Residents following the 9/11/2001 World Trade Center Disaster. (**Submitted**)

Awards

Center for Open Science - Opening Influenza Research Fellowship	January 2023
Dean's Research Award	May 2016
2014 CDC Honor Award for Excellence in Leadership	March 2014
Certificate of appreciation in recognition of, "exemplary contribution to the technical evaluation panel."	March 2015
Certificate in recognition of, "valuable contributions to the Central Region Emergency Preparedness Program."	April 2012
Harold Finn Award for Meritorious Service	2008, 2009
Emergency Medical Technician of the Year	2008
Ralph Overton Firefighter of the Year Award	2007
2 commendations for exemplary performance during an emergency	2008

Invited Talks/Presentations

1. **Kubale J.** "A study in imperfection: harmonizing potential data sources on policy interventions for infectious disease research". Accepted as part of Symposium for the Society for Epidemiologic Research's 57th Annual Meeting. June 2024
2. **Kubale J**, Levenstein M. "Exploring the Broader Context of COVID-19: Results from the Social, Behavioral, and Economic COVID Coordinating Center". Invited Session for Population Association of America Annual Meeting. April 2024
3. **Kubale J.** Chenoweth M. "The Social, Behavioral, and Economic COVID Consortium: Preliminary Findings from the First Year". ICPSR Data Fair. September 2022
4. **Kubale J.**, Chenoweth M, Levenstein M. "Overview of the Social, Behavioral, and Economic COVID Coordinating Center (SBE CCC)". Interdisciplinary Network on Rural Population Health and Aging (INRPHA) Annual Meeting. August 2022
5. **Kubale J.** "Breakthrough Infections in the IASO Study". Immunity Associated with SARS-CoV-2 Study (IASO) Monthly Call. January 2022
6. **Kubale J.** "SARS-CoV-2 in the Nicaraguan Pediatric Cohort". Impact of Initial Influenza Exposure on Immunity in Infants Annual Meeting with NIH/NIAID. December 2021
7. **Kubale J.** "Assessing Antibody Protection and Decay following SARS-CoV-2 infection". PARIS-SPARTA Call with NIH/NIAID. April 2021
8. **Kubale J**, Kuan G, Gresh L, Ojeda S, Schiller A, Sanchez N, Lopez R, Azziz-Baumgartner E, Wraith S, Harris E, Balmaseda A, Zelner J, Gordon A. "Individual-level Association of Influenza with Subsequent Pneumonia: A Case-control and Prospective Cohort Study". 2020 University of Michigan Department of Epidemiology Doctoral Day. January 2020
9. **Kubale J.** "Breastfeeding as a Potential Prognostic Factor among Infants Hospitalized with RSV-Associated Illness". Influenza and Respiratory Syncytial Virus in Infants Study (IRIS) Network Call. June 2017

10. **Kubale, J.**, Lopez, R., Balmaseda, A., Sanchez, F., Gresh, L., Gordon, A. “Viral Infections and Coinfections among Infants in Managua, Nicaragua”. UM SPH 75th Anniversary Poster Session. November 2016
11. **Kubale J**, Jett H. “CDC *is* A Regulatory Agency: The Federal Regulatory Process at CDC”. OADP All Hands Meeting. April 2015
12. **Kubale, J.** “Health Promotion Efforts to Combat Ebola in Kambia District, Sierra Leone”. PRADO Team Meeting. February 2015
13. **Kubale J.** “OADP’s Regulatory Review SharePoint Site: Overview and Results of Beta Testing.” PRADO Team Meeting. August 2014
14. Joshi C, **Kubale J**, Stevensen, B. “An Introduction to CDC and Public Health Policy”. Georgia Institute of Technology School of Public Policy. August 2014
15. **Kubale J.** “Results of 2012 Local Technical Assistance Review (L-TAR) with CDC”. Central Region Meeting, Arkansas Department of Health. May 2012
16. **Kubale J**, Taffner R. “Documentation Evaluating the Implementation of Cities Readiness Initiative (CRI) Objectives in Lonoke and Saline Counties.” CDC L-TAR. April 2012
17. **Kubale J.** “Introduction and Welcome Message”. 2012 Regional Cities Readiness Initiative Conference. Little Rock, Arkansas. April 2012

Conference Presentations

Presentations by mentored students indicated by underline

1. Chenoweth M, **Kubale J.** Using Metadata to Promote Transparency in Health Research: Creating the COVID Measures Archive at ICPSR. International Digital Curation Conference. Edinburgh, UK February 19-21, 2024. **[Accepted for oral presentation]**
2. **Kubale J**, Chenoweth M, McNally J. Assessing the harmonization potential of data sources on policy interventions to combat COVID-19. Society for Epidemiologic Research Annual Meeting. Portland, OR, June 14-16, 2023. **[Oral presentation]**
3. Chenoweth M, **Kubale J**, McNally J. Using Common Data Elements to Foster Interoperability of Research on Health Disparities. International Association for Social Science Information Service and Technology (IASSIST), Philadelphia, PA, May 29-June 2, 2023. **[Oral presentation]**
4. **Kubale J***, Balmaseda A*, Frutos A, Sanchez N, Plazaola M, Ojeda S; Saborio S, Lopez R, Cerpas Cruz C, Chowdhury M, Harris E, Kuan G, Gordon A. SARS-CoV-2 Seropositivity, Symptomatic Reinfection, and Influenza Co-infection in Children in Nicaragua. Options XI for the Control of Influenza, Belfast, UK, September 26-29, 2022. **[Poster]**
5. **Kubale J**, Balmaseda A, Sanchez N, Plazaola M, Frutos AM, Ojeda S, Saborio S, Lopez R, Cerpas Cruz C, Chowdhury M, Harris E, Kuan G, Gordon A. Characterizing SARS-CoV-2 Seropositivity, Symptomatic Reinfection, and Influenza Co-infection among Nicaraguan Children. 2022 CEIRR Annual Network Meeting, Memphis, TN, August 14-17, 2022. **[Poster]**
6. **Kubale J**, Balmaseda A, Sanchez N, Plazaola M, Frutos AM, Ojeda S, Saborio S, Lopez R, Cerpas Cruz C, Chowdhury M, Harris E, Kuan G, Gordon A. SARS-CoV-2 Infection, Severity, And Reinfection within a Prospective Pediatric Cohort in Managua, Nicaragua. International Conference on Emerging Infectious Diseases (ICEID), Atlanta, GA, August 7-10, 2022. **[Oral presentation]**
7. **Kubale J***, Balmaseda A*, Frutos AM, Sanchez N, Plazaola M, Ojeda S, Saborio S, Lopez R, Barilla C, Vasquez G, Moreira H, Gajewski A, Campredon L, Maier H, Chowdhury M, Cerpas C, Harris E, Kuan G, Gordon A. Burden of SARS-CoV-2 and Protection from Symptomatic Second Infection in Children. European Society of Paediatric Infectious Diseases (ESPID), Athens, Greece, May 9-13, 2022. **[Poster]**
8. **Kubale J**, Chen I, Wu Z, Simões EAF, Khader IA, Hunt DR, Bino S, Marar BI, Gresh L, de Jesus JN, Campbell W, Hasibra I, Duka E, Al-Gazo M, Faouri S, Sanchez F, Lucero MG, Tallo VL, Simaku A, Gordon A on behalf of the IRIS network. “Estimating the Proportion of ALRI Hospitalizations Attributable to RSV in the First Year of Life.” 6th ReSViNET Conference, Online/virtual, November 10-12, 2022. **[Poster]**
9. Smith M, **Kubale J**, Balmaseda A, Ojeda S, Vydiswaran N, Sanchez N, Gresh L, Latta K, Lopez R, Patel M, Kuan G, Gordon A. “Assessing Respiratory Syncytial Virus Incidence and Severity in a Community-based

Prospective Cohort of Children Aged 0-14 Years in Managua, Nicaragua”. 6th ReSViNET Conference, Online/virtual, November 10-12, 2022. **[Poster]**

10. Gleason C, **Kubale J**, Carreño JM, Srivastava K, Singh G, Bielak D, PARIS study group, Gordon A, Simon V, Krammer F. “Durability and Effectiveness of SARS-CoV-2 Induced Immunity after Natural Infection”. 37th Symposium on Virus-Host Interactions, New York City, New York, September 23, 2021. **[Poster]**
11. **Kubale J**, Kuan G, Gresh L, Ojeda S, Schiller A, Sanchez N, Lopez R, Wraith S, Harris E, Balmaseda A, Zelner J, Gordon A. “Individual-Level Association of Influenza Infection with Subsequent Pneumonia: A Case-Control And Prospective Cohort Study”. 13th Annual CEIRS Network Meeting, Online/virtual, January 11-15, 2021. **[Poster]**
12. Wraith S, Balmaseda A, Kuan G, **Kubale J**, Lopez R, Ojeda S, Schiller A, Lopez B, Sanchez N, Harris E, Gordon A. “Homotypic protection against influenza in a pediatric cohort in Managua, Nicaragua”. 13th Annual CEIRS Network Meeting, Online/virtual, January 11-15, 2021. **[Oral presentation]**
13. Wraith S, Balmaseda A, Kuan G, **Kubale J**, Lopez R, Ojeda S, Schiller A, Lopez B, Sanchez N, Harris E, Gordon A. Homotypic protection against influenza among a pediatric cohort in Managua, Nicaragua. 7th ESWI Influenza Conference, Online/virtual, December 6-9, 2020. **[Poster]**
14. **Kubale J**, Kuan G, Gresh L, Ojeda S, Sanchez N, Lopez R, Harris E, Balmaseda A, Gordon A. “Influenza Associated with Subsequent Viral and Bacterial Pneumonias among Nicaraguan Children: A Nested Matched Case-Control Study”. Options X for the Control of Influenza, Singapore, Singapore, August 28-September 1, 2019. **[Poster]**
15. **Kubale J**, Kuan G, Gresh L, Ojeda S, Azziz-Baumgartner E, Sanchez N, Lopez R, Harris E, Balmaseda A, Gordon A. “Assessing the Burden of Respiratory Syncytial Virus (RSV) within a Prospective Birth Cohort in Managua, Nicaragua”. 11th International Respiratory Syncytial Virus (RSV) Symposium, Asheville, NC, October 31-November 4, 2018. **[Poster]**
16. **Kubale J**, Kuan G, Gresh L, Ojeda S, Azziz-Baumgartner E, Sanchez N, Lopez R, Balmaseda A, Gordon A. “Assessing the Burden of Respiratory Syncytial Virus (RSV) within a Community-based Prospective Birth Cohort in Nicaragua”. 10th International Conference on Emerging Infectious Diseases (ICEID), Atlanta, GA, August 26-29, 2018. **[Oral presentation]**

Other Media

- Kubale J.** “Regulatory Review in OADP: A Guide for Reviewers.” July 2015
- Kubale J.** “Revising 42 CFR 34 in the Current Political Climate.” October 2013
- Series of 11 monthly public health preparedness training modules disseminated to all Arkansas Department of Health employees. July 2011-August 2012

Students Mentored

Andrew Hoover – Incoming MS student	2023-Present
Zachary Farrell – MPH student	2023-Present
Erik Rausch – MPH student	2023-Present
Varad Chapalgaonkar – Undergraduate student	2023-Present
Matt Smith – MPH student	2021-2022
Leah Pinckney – MPH student	2019-2020

Membership in Professional Societies

- International Society for Influenza and other Respiratory Virus Diseases (ISIRV)
- Society for Epidemiologic Research (SER)
- Member of Scientific Dissemination Committee (June 2023-Present)
- International Epidemiological Association (IEA)

Service

Reviewer

Nature Reviews Microbiology, American Journal of Epidemiology, Journal of Medical Virology, Open Forum Infectious Diseases, Microbiology Spectrum, Journal of Pediatrics, American Journal of Preventive Medicine, Pneumonia Journal, PLOS Computational Biology, PLOS Global Public Health, Wellcome Open Research, FEMS Microbes, Public Opinion Quarterly

Sustainable Sciences Institute (SSI)

Miami Township Regional Rope Rescue Team

Assistant Director

August 2007-May 2009

Miami Township Fire-Rescue Firefighters' Benevolent Association

Treasurer

May 2008-May 2009

Other Professional Experience

Graduate Research Assistant

Center for Molecular and Clinical Epidemiology of Infectious Diseases
University of Michigan School of Public Health

May 2016-December 2020

Graduate Research Assistant

The Center for Social Epidemiology and Population Health
University of Michigan School of Public Health

September 2015-August 2017

Policy Analyst

Policy, Research, Analysis, and Development Office (PRADO)
Office of the Associate Director for Policy (OADP)
Centers for Disease Control & Prevention (CDC)

July 2013-July 2015

Health Promotion Team

CDC Ebola Response Sierra Leone, Kambia District
Centers for Disease Control & Prevention (CDC)

January 2015-February 2015

Disease Intervention Specialist (DIS)/Public Health Associate

Arkansas Department of Health, HIV, STD, Hepatitis C Section
Office for State, Tribal, Local, and Territorial Support (OSTLTS)
Centers for Disease Control & Prevention (CDC)

August 2012-July 2013

Preparedness Specialist/Public Health Associate

Arkansas Department of Health, Public Health Preparedness Branch
Office for State, Tribal, Local, and Territorial Support (OSTLTS)
Centers for Disease Control & Prevention (CDC)

July 2011-August 2012