

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

Ann Arbor, MI

Doctor of Philosophy in Epidemiologic Science

December 2020

“Severe Illness Associated with Respiratory Viruses: Burden and Temporal Dynamics”

Committee chair: Aubree Gordon, PhD

Master of Public Health in Global Health Epidemiology

April 2017

Advisors: Aubree Gordon, PhD and Mark Wilson, ScD

Xavier University

Cincinnati, OH

B.A. Liberal Arts; Minor: Natural Sciences,

May 2011

Magna cum laude

Professional Experience

Research Assistant Professor

Inter-university Consortium for Political and Social Research

July 2022-Present

Institute for Social Research

University of Michigan

Postdoctoral Research Fellow

January 2021-June 2022

Department of Epidemiology, Gordon Lab Group

University of Michigan School of Public Health

Graduate Research Assistant

May 2016-December 2020

Department of Epidemiology, Gordon Lab Group

University of Michigan School of Public Health

Graduate Research Assistant

September 2015-August 2017

The Center for Social Epidemiology and Population Health

University of Michigan School of Public Health

Policy Analyst

July 2013-July 2015

Policy, Research, Analysis, and Development Office (PRADO)

Office of the Associate Director for Policy (OADP)

Centers for Disease Control & Prevention (CDC)

Health Promotion Team

January 2015-February 2015

CDC Ebola Response Sierra Leone, Kambia District

Centers for Disease Control & Prevention (CDC)

Disease Intervention Specialist (DIS)/Public Health Associate

August 2012-July 2013

Arkansas Department of Health, HIV, STD, Hepatitis C Section

Office for State, Tribal, Local, and Territorial Support (OSTLTS)

Centers for Disease Control & Prevention (CDC)

Preparedness Specialist/Public Health Associate

July 2011-August 2012

Arkansas Department of Health, Public Health Preparedness Branch

Office for State, Tribal, Local, and Territorial Support (OSTLTS)

Centers for Disease Control & Prevention (CDC)

Awards

| | |
|---|------------|
| 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 |

Publications

Co-first or co-senior authorship indicated by *

1. **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.
2. 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.
3. 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.
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. Burden of SARS-CoV-2 and Protection from Symptomatic Secondary Infection in Children. *JAMA Network Open*. 2022 June 27.
5. 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*. Accepted - In press.
6. 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.
7. 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.
8. 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.

9. 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.
10. 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.
11. 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.
12. **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.
13. **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.
14. **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.
15. 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.
16. 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

17. 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. **(Under review)**
18. 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. **(In CDC clearance)**
19. **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. **(Submitted)**.

Invited Talks/Presentations

1. **Kubale J**. Chenoweth M. “The Social, Behavioral, and Economic COVID Consortium: Preliminary Findings from the First Year”. ICPSR Data Fair. September 2022
2. **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
3. **Kubale J**. “Breakthrough Infections in the IASO Study”. Immunity Associated with SARS-CoV-2 Study (IASO) Monthly Call. January 2022

4. **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
5. **Kubale J.** "Assessing Antibody Protection and Decay following SARS-CoV-2 infection". PARIS-SPARTA Call with NIH/NIAID. April 2021
6. **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
7. **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
8. **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
9. **Kubale J,** Jett H. "CDC *is* A Regulatory Agency: The Federal Regulatory Process at CDC". OADP All Hands Meeting. April 2015
10. **Kubale, J.** "Health Promotion Efforts to Combat Ebola in Kambia District, Sierra Leone". PRADO Team Meeting. February 2015
11. **Kubale J.** "OADP's Regulatory Review SharePoint Site: Overview and Results of Beta Testing." PRADO Team Meeting. August 2014
12. Joshi C, **Kubale J,** Stevensen, B. "An Introduction to CDC and Public Health Policy". Georgia Institute of Technology School of Public Policy. August 2014
13. **Kubale J.** "Results of 2012 Local Technical Assistance Review (L-TAR) with CDC". Central Region Meeting, Arkansas Department of Health. May 2012
14. **Kubale J,** Taffner R. "Documentation Evaluating the Implementation of Cities Readiness Initiative (CRI) Objectives in Lonoke and Saline Counties." CDC L-TAR. April 2012
15. **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. **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 presentation]** September 2022
2. **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]** August 2022
3. **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]** August 2022
4. **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 May 2022

Symptomatic Second Infection in Children. European Society of Paediatric Infectious Diseases (ESPID), Athens, Greece, May 9-13, 2022. **[Poster]**

5. **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]** November 2021
6. 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]** November 2021
7. 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]** September 2021
8. **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]** January 2021
9. 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]** January 2021
10. 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]** December 2020
11. **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]** August 2019
12. **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]** October 2018
13. **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]** August 2018

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 |

Teaching and Course Development

Using R in Cohort Studies

March 2021-July 2021

Developed and led a series of workshops on using R for data cleaning, management, and analysis for members of A2CARES international research group.

Pandemics and Medicine

April 2020

University of Michigan Medicine School

Expert Consultant for Epidemiology course content developed for all M2 and M3s

Public Health 512: Principles of Epidemiology for Public Health

January 2019-May 2019

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

Students Mentored

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)

International Epidemiological Association (IEA)

Service

Reviewer

Nature Reviews Microbiology, Pneumonia Journal, Journal of Pediatrics, Microbiology Spectrum, American Journal of Preventive Medicine, PLOS Computational Biology, PLOS Global Public Health, FEMS Microbes, Undergraduate Journal of Public Health

Sustainable Sciences Institute (SSI)

Miami Township Regional Rope Rescue Team

August 2007-May 2009

Assistant Director

Miami Township Fire-Rescue Firefighters' Benevolent Association

May 2008-May 2009

Treasurer