

**John Kubale, PhD, MPH**  
Postdoctoral Research Fellow  
University of Michigan School of Public Health

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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**

**Postdoctoral Research Fellow**

January 2021-Present

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. 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.
2. 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.
3. 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.
4. **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.
5. **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.
6. **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.
7. 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.
8. 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

9. **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. *medRxiv*. 2022 Jan 5. **(Under review)**

10. 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. *medRxiv*. 2021 Dec 11. **(Under review)**
11. 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. An Immune Correlate of Protection Against SARS-CoV-2 Reinfection and Severity of Second Infections. *medRxiv*. 2021 Nov 24. **(Under review)**
12. 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. **(Under review)**
13. Wagner AL, Gresh L, Sanchez N, Kuan G, **Kubale J**, Lopez R, Ojeda S, Azziz-Baumgartner E, Balmaseda A, Gordon A. Effectiveness of Partial Influenza Vaccination in Infants and Young Children. **(Submitted)**
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. **(Submitted)**
15. **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. **(Submitted)**

### Invited Talks/Presentations

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| 1. <b>Kubale J</b> . “Breakthrough Infections in the IASO Study”. Immunity Associated with SARS-CoV-2 Study (IASO) Monthly Call.  | January 2022  |
| 2. <b>Kubale J</b> . “SARS-CoV-2 in the Nicaraguan Pediatric Cohort”. Impact of Initial Influenza Exposure on Immunity in Infants Annual Meeting with NIH/NIAID.  | December 2021 |
| 3. <b>Kubale J</b> . “Assessing Antibody Protection and Decay following SARS-CoV-2 infection”. PARIS-SPARTA Call with NIH/NIAID.  | April 2021    |
| 4. <b>Kubale J</b> , 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  |
| 5. <b>Kubale J</b> . “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     |
| 6. <b>Kubale, J.</b> , Lopez, R., Balmaseda, A., Sanchez, F., Gresh, L., Gordon, A. “Viral Infections and Coinfections among Infants in Managua, Nicaragua”. UM SPH 75 <sup>th</sup> Anniversary Poster Session.  | November 2016 |
| 7. <b>Kubale J</b> , Jett H. “CDC is A Regulatory Agency: The Federal Regulatory Process at CDC”. OADP All Hands Meeting.   | April 2015    |
| 8. <b>Kubale, J</b> . “Health Promotion Efforts to Combat Ebola in Kambia District, Sierra Leone”. PRADO Team Meeting.  | February 2015 |
| 9. <b>Kubale J</b> . “OADP’s Regulatory Review SharePoint Site: Overview and Results of Beta Testing.” PRADO Team Meeting.  | August 2014   |
| 10. Joshi C, <b>Kubale J</b> , Stevensen, B. “An Introduction to CDC and Public Health Policy”. Georgia Institute of Technology School of Public Policy.  | August 2014   |
| 11. <b>Kubale J</b> . “Results of 2012 Local Technical Assistance Review (L-TAR) with CDC”. Central Region Meeting, Arkansas Department of Health.  | May 2012      |
| 12. <b>Kubale J</b> , Taffner R. “Documentation Evaluating the Implementation of Cities Readiness Initiative (CRI) Objectives in Lonoke and Saline Counties.” CDC L-TAR.  | April 2012    |

## Conference Presentations

Presentations by mentored students indicated by underline

1. **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). **[Accepted for oral presentation]** August 2022
2. **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). **[Accepted for poster]** May 2022
3. **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.” 6<sup>th</sup> ReSViNET Conference. **[Poster]** November 2021
4. 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”. 6<sup>th</sup> ReSViNET Conference. **[Poster]** November 2021
5. 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”. 37<sup>th</sup> Symposium on Virus-Host Interactions. **[Poster]** September 2021
6. **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”. 13<sup>th</sup> Annual CEIRS Network Meeting. **[Poster]** January 2021
7. 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. **[Oral presentation]** January 2021
8. 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. **[Poster]** December 2020
9. **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. **[Poster]** August 2019
10. **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. **[Poster]** October 2018
11. **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). **[Oral presentation]** August 2018

## Other Media

<b>Kubale J.</b> “Regulatory Review in OADP: A Guide for Reviewers.”	July 2015
<b>Kubale J.</b> “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

<b>Using R in Cohort Studies</b>	March 2021-Present
Developed and led a series of workshops on using R for data cleaning, management, and analysis for members of A2CARES international research group.	
<b>Pandemics and Medicine</b>	April 2020
University of Michigan Medicine School Expert Consultant for Epidemiology course content developed for all M2 and M3s	
<b>Public Health 512: Principles of Epidemiology for Public Health</b>	January 2019-May 2019
University of Michigan School of Public Health Graduate Student Instructor	
<b>An Introduction to Programming in R and R Studio</b>	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

<b>Matt Smith</b> – MPH student	2021-Present
<b>Leah Pinckney</b> – 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

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

### Sustainable Sciences Institute (SSI)

<b>Miami Township Regional Rope Rescue Team</b> Assistant Director	August 2007-May 2009
<b>Miami Township Fire-Rescue Firefighters’ Benevolent Association</b> Treasurer	May 2008-May 2009