

Kayoko Shioda (Mori), Ph.D., D.V.M., M.P.H.

Email (work): kayoko.shioda@emory.edu; Email (permanent): kayoko.shioda@aya.yale.edu

Last updated on June 30, 2022

Education

- Aug. 2016 – Aug. 2020* **Yale University**
Ph.D. in Epidemiology of Microbial Diseases (Distinguished dissertation)
Dissertation advisory committee: Daniel M Weinberger (chair), Virginia E Pitzer, Joshua L Warren
Research rotation advisors: Daniel M Weinberger, Virginia E Pitzer, Melita Gordon (University of Liverpool), Naor Bar-Zeev (Malawi-Liverpool-Wellcome Trust Clinical Research Programme)
- Aug. 2012 – May 2014* **Emory University**
Master of Public Health (MPH) in Epidemiology (GPA 4.00)
Thesis advisor: Patrick S Sullivan
Research advisor: Justin Remais
- Apr. 2006 – Mar 2012* **The University of Tokyo**
Doctor of Veterinary Medicine (DVM) (GPA 3.88)
Thesis advisors: Naoaki Matsuki, Chieko Kai

Professional Experience ([LinkedIn](#))

- Sep. 2020 – Present* **Epidemiologist/Post-doctoral Fellow**
Gangarosa Department of Environmental Health
Department of Epidemiology
Rollins School of Public Health, Emory University
Atlanta, GA, United States
- Apr. 2021 – Present* **Adjunct Associate Professor**
School of Veterinary Medicine, Rakuno Gakuen University
Ebetsu, Hokkaido, Japan
- Oct. 2017 – Present* **Project-based Statistics Consultant**
Evaluation of the Impact of Pneumococcus Conjugate Vaccines in Latin American Countries
WHO Pan American Health Organization
- May. 2016 – Present* **Advisor/Consultant**
Blue Industries
Tokyo, Japan
- May 2017 – Jul. 2017* **Research Fellow**
Malawi Liverpool Wellcome Trust
Blantyre, Malawi
- Jun. 2015 – Dec. 2016* **Member of Healthcare 2035 Global Health Working Group**
Japanese Ministry of Health, Labour and Welfare (MHLW)
Tokyo, Japan
- Jul. 2014 – May 2016* **ORISE Research Fellow**
Centers for Disease Control and Prevention (CDC), Division of Viral Diseases
Atlanta, GA, United States

Jun. 2013 – Aug. 2013

Intern

World Health Organization (WHO) Country Office for Thailand
Nonthaburi, Thailand

Research Grants

May 2022 **WHO SAGE COVID Vaccine Grant (\$25,000)**

PI: Benjamin Lopman; Co-Is: **Kayoko Shioda**, Carol Liu, Alicia Kraay, Kristin Nelson
Awarded by World Health Organization, we evaluate the impact of serology-informed vaccine strategies at the current stage of the pandemic, in terms of cases- and deaths-averted, using rich sources of vaccine coverage, human contact and seroprevalence data.

Mar. 2021 **MP3 Initiative Seed Grant (\$50,000) [Link](#)**

PI: Benjamin Lopman; Co-PIs: **Kayoko Shioda**, Manish Patel, Matthew Collins
Awarded by Emory University, the MP3 Initiative and WHSC COVID-19 Urgent Research Engagement (CURE) Center for our project to estimate the cumulative incidence of SARS-CoV-2 infection in 50 U.S. states to inform COVID-19 vaccine evaluation.

Jul. 2020 **COVID-19 Clinical Research Seed Funding (\$5,000) [Link](#)**

PIs: **Kayoko Shioda**, Makoto Mori
Awarded by the Department of Surgery at Yale University for our project to identify missing patients requiring emergent cardiovascular intervention during the COVID-19 Pandemic.

Jul. 2017 **Project Grant: 平成 29 年度戦略的基盤技術高度化支援事業、サポイン事業 (JPY 87,000,000 = About \$800,000)**

PI: Tomoaki Kuji; Co-PI: **Kayoko Shioda**
Awarded by the Japanese government, Ministry of Economy, Trade and Industry, for our project developing a blood testing kits
(Page 4 on <https://www.chusho.meti.go.jp/keiei/sapoin/2017/170728SenryakuKoubo1.pdf>)

Apr. 2017 **CRIT Small Award (\$5,000) ([Link](#))**

PI: **Kayoko Shioda**
Awarded by the Collaboration for Research Integrity and Transparency (CRIT) for my research project analyzing the U.S. national data for cardiothoracic surgery

Mar. 2017 **Project Grant: 平成 28 年度補正 革新的ものづくり・商業・サービス開発支援補助金 (JPY 5,000,000 = About \$45,000)**

PI: Tomoaki Kuji; Co-PI: **Kayoko Shioda**
Awarded by the Japanese government, Small and Medium Enterprise Agency, for our project developing blood testing kits that are small, mobile, and easy to use and can be stored at room temperature for two years
(http://www.chuokai.or.jp/hotinfo/28mh_saitaku_2017march_zenchiu.pdf)

2016 – 2017 **Research Grant for the Retrospective Study on Acute Flaccid Myelitis with CDC and Five Pediatric Hospitals in the U.S. (\$100,000)**

Co-PI: **Kayoko Shioda**
Awarded by the U.S. Centers for Disease Control and Prevention (CDC) to conduct a 10-year retrospective study on acute flaccid myelitis among children in collaboration with five pediatric hospitals in the U.S.

Scholarships

Jun. 2018 **Lindau-Nobel Laureate Meeting ([Link](#))**

Selected as one of 12 Japanese representatives to attend the 68th Nobel Laureate Meeting in Germany in June 2018 by the Japan Society for Promotion of Science and the Council for the Lindau Nobel Laureate Meetings and received a full scholarship to attend a one-week meeting.

- Jul. 2017* **Scholarship for 2017 Summer Institutes at the University of Washington (\$1,650)**
Registration scholarship and travel scholarship for 9th Annual Summer Institute in Statistics and Modeling in Infectious Diseases ([SIS MID](#)), awarded by the University of Washington
- Sep. 2016 – Present* **Funai Overseas Scholarship ([Link](#))**
Academic scholarship awarded by Funai Foundation for Information Technology (FFIT) that covered the full amount of tuition, medical insurance and living expenses (\$2,500/mon) in the first two years, and awarded \$3,000 per year from the third and fourth years.
- Sep. 2013 – May 2014* **Rollins Earn and Learn Award at Emory (\$4,000) ([Link](#))**
Funding awarded by Rollins School of Public Health based on my research experience, skills, and academic record, which I used for my research on the infectious disease surveillance in Sichuan Province, China
- Aug. 2012 – Jul. 2014* **Heiwa Nakajima Foundation Scholarship (JPY 200,000/mon = About \$1,900/mon) ([Link](#))**
Academic scholarship that covered a part of my tuition for the 2-year MPH program at Emory University
- Aug. 2010* **Institutional Program for Young Researcher Overseas Visits (\$4,500) ([Link](#))**
Awarded by the Japan Society for the Promotion of Science, extended to one veterinary student biennially at the University of Tokyo to fund a two-week internship experience at Edinburgh University in Scotland, UK

Awards

- May 2022* **The 1st Marie Sklodowska Curie Award (Inspiration Prize) ([Link](#))**
Awarded by the Japan Science and Technology Agency (JST) and Embassy of Poland to recognize and support Japanese female researchers. Selected out of 80 applicants.
- Aug. 2020* **Distinguished doctoral dissertation**
Judged as “distinguished” by all three Ph.D. dissertation referees (Dr. Gregg Gonsalves at Yale University, Dr. Melinda Pettigrew at Yale University, Dr. Maria Deloria Knoll at Johns Hopkins University)
- May. 2018* **Teaching Fellow Award 2018 ([Link](#))**
Selected for the 2018 Teaching Fellow Award by Yale School of Public Health.
- Jun. 2017* **Larry J. Anderson Award for Outstanding Public Health Science**
Awarded by the U.S. Centers for Disease Control and Prevention (CDC) for scientific excellence demonstrated by publication of “Acute Flaccid Myelitis in the United States, August-December 2014: Results of Nationwide Surveillance” in *Clinical Infectious Diseases*.
- Jul. 2014 – May 2016* **Professional Excellence and Outstanding Service**
Awarded by CDC in recognition of professional excellence and outstanding service to the Epidemiology Branch, Division of Viral Diseases, National Center for Immunization and Respiratory Diseases at CDC.
- Mar. 2016* **Honor Award Certificate**
Awarded by the CDC National Center for Emerging and Zoonotic Infectious Diseases for outstanding support and leadership in CDC's response to the Ebola epidemic in West Africa, 2014-2015
- May 2015* **CDC Division of Viral Diseases Seminar Presentation Award**

Awarded by the CDC Division Director for my presentation about my contribution in Ebola outbreak response

Jan. 2015 CDC Waterborne Disease Prevention Branch Award 2015

Awarded for my contribution in launching the national surveillance of human and animal illnesses related to harmful algal bloom in the U.S.

Nov. 2014 Research Symposium Best Abstract Award

Awarded by the 7th Adult Congenital Heart Association National Meeting 2014 for the oral presentation about superior mesenteric arterial flow pattern as a marker of major adverse outcomes in patients with Fontan circulation

Apr. 2014 Outstanding Practicum Award (2nd prize among MPH students)

Awarded by Rollins School of Public Health at Emory University for my project that I conducted in northeast Thailand to reduce the risk of leptospirosis in collaboration with the World Health Organization

Peer Reviewed Publications ([Google Scholar](#), [Research Gate](#))

2022

41. Nelson KN, Siegler AJ, Sullivan PS, Bradley H, Hall E, Luisi N, Hipp-Ramsey P, Sanchez T, **Shioda K**, Lopman BA. Nationally Representative Social Contact Patterns among U.S. adults, August 2020-April 2021. *Epidemics* <https://doi.org/10.1016/j.epidem.2022.100605>
40. **Shioda K**, Lopman BA. How to interpret the total number of SARS-CoV-2 infections. *The Lancet* 2022 Jun 25;399(10344):2326-2327.
39. Lau MSY, Liu C, Siegler AJ, Sullivan PS, Waller LA, **Shioda K**, Lopman BA. Post-lockdown changes of age-specific susceptibility and its correlation with adherence to social distancing measures. *Scientific Reports* 2022 Mar 17;12(1):4637.
38. Chamberlain AT, Toomey KE, Bradley H, Hall EW, Fahimi M, Lopman BA, Luisi N, Sanchez T, Drenzek C, **Shioda K**, Siegler AJ, Sullivan PS. Cumulative incidence of SARS-CoV-2 infections among adults in Georgia, USA, August-December 2020. *Journal of Infectious Diseases* 2022 Feb 1;225(3):396-403

2021

37. Lopman BA, **Shioda K**, Nguyen Q, Beckett SJ, Siegler AJ, Sullivan PS, Weitz JS. A framework for monitoring population immunity to SARS-CoV-2. *Annals of Epidemiology*. 2021 Nov;63:75-78.
36. Lamba K*, Bradley H*, **Shioda K**, Sullivan PS, Luisi N, Hall EW, Mehrotra M, Lim E, Jain S, Kamali A, Sanchez T, Lopman BA, Fahimi M, Siegler AJ. SARS-CoV-2 Cumulative Incidence and Period Seroprevalence: Results from a Statewide Population-Based Serosurvey in California. *Open Forum Infectious Diseases* 2021 Jul 27;8(8):ofab379. (*Co-first authors)
35. Sullivan PS*, Siegler AJ*, **Shioda K**, Hall EW, Bradley H, Sanchez TH, Luisi N, Valentine-Graves M, Nelson KN, Fahimi M, Kamali A, Sailey C, Lopman BA. SARS-CoV-2 Cumulative Incidence, United States, August-December 2020. *Clinical Infectious Diseases*. 2022 Apr 9;74(7):1141-1150. (*Co-first authors)
34. **Shioda K**, Cai J, Warren JL, Weinberger DM. Incorporating information on control diseases across space and time to improve estimation of the population-level impact of vaccines. *Epidemiology*. 2021 May 1;32(3):360-367.
33. **Shioda K**, Lau MS, Kraay AN, Nelson KN, Siegler AJ, Sullivan PS, et al. Estimating the cumulative incidence of SARS-CoV-2 infection and the infection fatality ratio in light of waning antibodies. *Epidemiology*. 2021 Apr
32. Kleynhans J, Tempia S, **Shioda K**, Gottberg A von, Weinberger DM, Cohen C. Estimated impact of the pneumococcal conjugate vaccine on pneumonia mortality in South Africa, 1999 through 2016: An ecological modelling study. *PLOS Medicine*. 2021 Feb 16;18(2):e1003537.
31. Burke RM, Mattison C, Marsh Z, **Shioda K**, Donald J, Salas SB, et al. Norovirus and Other Viral Causes of Medically Attended Acute Gastroenteritis Across the Age Spectrum: Results from the MAAGE Study in the United States. *Clinical Infectious Diseases* [Internet]. 2021 Jan 21 [cited 2021 Jan 21];(ciab033). Available from: <https://doi.org/10.1093/cid/ciab033>

2020

30. **Shioda K**, Weinberger DM, Mori M. Navigating Through Health Care Data Disrupted by the COVID-19 Pandemic. *JAMA Intern Med*. 2020 Dec 1;180(12):1569.

29. **Shioda K**, Toscano CM, Valenzuela MT, Huarcaya WV, Warren JL, Weinberger DM, et al. Impact of pneumococcal conjugate vaccine uptake on childhood pneumonia mortality across income levels in Brazil, Colombia, and Peru. *Gates Open Res.* 2020 Sep 22;4:136.
28. Fauver JR*, Petrone ME*, Hodcroft EB*, **Shioda K**, Ehrlich HY, Watts AG, et al. Coast-to-Coast Spread of SARS-CoV-2 during the Early Epidemic in the United States. *Cell.* 2020 28;181(5):990-996.e5. (*Co-first authors)
27. **Shioda K***, de Oliveira LH*, Valenzuela MT, Janusz CB, Rearte A, Sbarra AN, et al. Declines in pneumonia mortality following the introduction of pneumococcal conjugate vaccines in Latin American and Caribbean countries. *Clin Infect Dis.* 2020 May 25; (*Co-first authors)
26. **Shioda K**, de Oliveira LH, Sanwogou J, Rey-Benito G, Nuñez Azzad D, Castillo RE, et al. Identifying signatures of the impact of rotavirus vaccines on hospitalizations using sentinel surveillance data from Latin American countries. *Vaccine.* 2020 10;38(2):323–9.

2019

25. Mori M, Bin Mahmood SU, Yousef S, **Shioda K**, Faggion Vinholo T, Mangi AA, et al. Prevalence of Incidentally Identified Thoracic Aortic Dilations: Insights for Screening Criteria. *Can J Cardiol.* 2019;35(7):892–8.
24. Iturriza-Gómara M, Jere KC, Hungerford D, Bar-Zeev N, **Shioda K**, Kanjerwa O, et al. Etiology of Diarrhea Among Hospitalized Children in Blantyre, Malawi, Following Rotavirus Vaccine Introduction: A Case-Control Study. *J Infect Dis.* 2019 19;220(2):213–8.
23. **Shioda K**, Schuck-Paim C, Taylor RJ, Lustig R, Simonsen L, Warren JL, et al. Challenges in Estimating the Impact of Vaccination with Sparse Data. *Epidemiology.* 2019;30(1):61–8.
22. Geirsson A, **Shioda K**, Olsson C, Ahlsson A, Gunn J, Hansson EC, et al. Differential outcomes of open and clamp-on distal anastomosis techniques in acute type A aortic dissection. *J Thorac Cardiovasc Surg.* 2019;157(5):1750–8.
21. Nguemini Tiako MJ, Mori M, Bin Mahmood SU, **Shioda K**, Mangi A, Yun J, et al. Recidivism Is the Leading Cause of Death Among Intravenous Drug Users Who Underwent Cardiac Surgery for Infective Endocarditis. *Semin Thorac Cardiovasc Surg.* 2019;31(1):40–5.

2018

20. Mori M, **Shioda K**, Bin Mahmood SU, Mangi AA, Yun JJ, Geirsson A. Dual antiplatelet therapy versus aspirin monotherapy in diabetics with stable ischemic heart disease undergoing coronary artery bypass grafting. *Ann Cardiothorac Surg.* 2018 Sep;7(5):628–35.
19. Schmidt MA, Groom HC, Naleway AL, Biggs C, Salas SB, **Shioda K**, et al. A model for rapid, active surveillance for medically-attended acute gastroenteritis within an integrated health care delivery system. *PLoS ONE.* 2018;13(8):e0201805.
18. Mori M, **Shioda K**, Wang X, Mangi AA, Yun JJ, Darr U, et al. Perioperative Risk Profiles and Volume-Outcome Relationships in Proximal Thoracic Aortic Surgery. *Ann Thorac Surg.* 2018;106(4):1095–104.
17. Mori M, **Shioda K**, Nguemini Tiako MJ, Bin Mahmood SU, Mangi AA, Yun JJ, et al. Comparable perioperative outcomes and mid-term survival in prosthetic valve endocarditis and native valve endocarditis. *Eur J Cardiothorac Surg.* 2018 01;54(6):1067–72.
16. Hosoba S, Yamamoto M, **Shioda K**, Sago M, Koyama Y, Shimura T, et al. Safety and efficacy of minimalist approach in transfemoral transcatheter aortic valve replacement: insights from the Optimized transCathEter vAlvular interventioN-Transcatheter Aortic Valve Implantation (OCEAN-TAVI) registry. *Interact Cardiovasc Thorac Surg.* 2018 01;26(3):420–4.
15. Mori M, **Shioda K**, Yun JJ, Mangi AA, Darr U, Geirsson A. Pattern and predictors of dual antiplatelet use after coronary artery bypass graft surgery. *J Thorac Cardiovasc Surg.* 2018;155(2):632–8.

2017

14. **Shioda K**, Barclay L, Becker-Dreps S, Bucardo-Rivera F, Cooper PJ, Payne DC, et al. Can Use of Viral Load Improve Norovirus Clinical Diagnosis and Disease Attribution? *Open Forum Infect Dis.* 2017;4(3):ofx131.
13. Warren JL, **Shioda K**, Kürüm E, Schuck-Paim C, Lustig R, Taylor RJ, et al. Impact of Pneumococcal Conjugate Vaccines on Pneumonia Hospitalizations in High- and Low-Income Subpopulations in Brazil. *Clin Infect Dis.* 2017 Nov 13;65(11):1813–8.
12. Shah MP, Wikswo ME, Barclay L, Kambhampati A, **Shioda K**, Parashar UD, et al. Near Real-Time Surveillance of U.S. Norovirus Outbreaks by the Norovirus Sentinel Testing and Tracking Network - United States, August 2009-July 2015. *MMWR Morb Mortal Wkly Rep.* 2017 Feb 24;66(7):185–9.

2016

11. Kambhampati A, **Shioda K**, Gould LH, Sharp D, Brown LG, Parashar UD, et al. A State-by-State Assessment of Food Service Regulations for Prevention of Norovirus Outbreaks. *J Food Prot.* 2016;79(9):1527–36.
10. Sejvar JJ, Lopez AS, Cortese MM, Leshem E, Pastula DM, Miller L, Glaser C, Kambhampati A, **Shioda K**, et al. Acute Flaccid Myelitis in the United States, August-December 2014: Results of Nationwide Surveillance. *Clin Infect Dis.* 2016 15;63(6):737–45.
9. **Shioda K**, Cosmas L, Audi A, Gregoricus N, Vinjé J, Parashar UD, et al. Population-Based Incidence Rates of Diarrheal Disease Associated with Norovirus, Sapovirus, and Astrovirus in Kenya. *PLoS ONE.* 2016;11(4):e0145943.
8. Mori M, **Shioda K**, Elder RW, Pernetz MA, Rodriguez FH, Rangosch A, et al. Superior Mesenteric Arterial Flow Pattern is Associated with Major Adverse Events in Adults with Fontan Circulation. *Pediatr Cardiol.* 2016 Aug;37(6):1013–21.
7. Mori M, Hebson C, **Shioda K**, Elder RW, Kogon BE, Rodriguez FH, et al. Catheter-measured Hemodynamics of Adult Fontan Circulation: Associations with Adverse Event and End-organ Dysfunctions. *Congenit Heart Dis.* 2016 Dec;11(6):589–97.
6. Protecting human security: proposals for the G7 Ise-Shima Summit in Japan. *The Lancet.* 2016 May 21;387(10033):2155–62.

2015

5. Wikswo ME, Kambhampati A, **Shioda K**, Walsh KA, Bowen A, Hall AJ, et al. Outbreaks of Acute Gastroenteritis Transmitted by Person-to-Person Contact, Environmental Contamination, and Unknown Modes of Transmission--United States, 2009-2013. *MMWR Surveill Summ.* 2015 Dec 11;64(12):1–16.
4. **Shioda K**, Kambhampati A, Hall AJ, Lopman BA. Global age distribution of pediatric norovirus cases. *Vaccine.* 2015 Aug 7;33(33):4065–8.
3. Incident Management System Ebola Epidemiology Team, CDC, Guinea Interministerial Committee for Response Against the Ebola Virus, World Health Organization, CDC Guinea Response Team, Liberia Ministry of Health and Social Welfare, CDC Liberia Response Team, et al. Update: Ebola virus disease epidemic--West Africa, January 2015. *MMWR Morb Mortal Wkly Rep.* 2015 Feb 6;64(4):109–10.

2014

2. Division of Viral Diseases, National Centers for Immunization and Respiratory Diseases, CDC; Division of Vector-Borne Diseases, Division of High-Consequence Pathogens and Pathology, National Center for Emerging and Zoonotic Infectious Diseases, CDC; Children's Hospital Colorado; Council of State and Territorial Epidemiologists. Notes from the field: acute flaccid myelitis among persons aged ≤ 21 years - United States, August 1-November 13, 2014. *MMWR Morb Mortal Wkly Rep.* 2015 Jan 9;63(53):1243–4.
1. Incident Management System Ebola Epidemiology Team, Guinea Interministerial Committee for Response Against the Ebola Virus, World Health Organization, CDC Guinea Response Team; Liberia Ministry of Health and Social Welfare, CDC Liberia Response Team; Sierra Leone Ministry of Health and Sanitation, CDC Sierra Leone Response Team, et al. Update: ebola virus disease epidemic - West Africa, December 2014. *MMWR Morb Mortal Wkly Rep.* 2014 Dec 19;63(50):1199–201.

Preprint Publications

2021

7. Nelson KN, Siegler AJ, Sullivan PS, Bradley H, Hall E, Luisi N, Hipp-Ramsey P, Sanchez T, **Shioda K**, Lopman BA. Nationally Representative Social Contact Patterns in the United States, August 2020-April 2021. *medRxiv.* 2021 Sep 23
6. Sullivan Ps, Siegler AJ, **Shioda K**, Hall EW, Bradley H, Sanchez TH, Luisi N, Valentine-Graves M, Nelson KN, Fahimi M, Kamali A, Sailey C, Lopman BA. SARS-CoV-2 Cumulative Incidence, United States, August-December 2020. Available at SSRN: <https://ssrn.com/abstract=3834313> or <http://dx.doi.org/10.2139/ssrn.3834313>
5. Chamberlain AT, Toomey KE, Bradley H, Hall EW, Fahimi M, Lopman BA, Luisi N, Sanchez T, Drenzek C, **Shioda K**, Siegler AJ, Sullivan PS. Cumulative incidence of SARS-CoV-2 infections among adults in Georgia, USA, August-December 2020. *medRxiv.* 2021 May 9

2020

4. **Shioda K**, Lau MS, Kraay AN, Nelson KN, Siegler AJ, Sullivan PS, et al. Estimating the cumulative incidence of SARS-CoV-2 infection and the infection fatality ratio in light of waning antibodies. *medRxiv.* 2020 Nov 16

3. COVID-19 Statistics, Policy modeling and Epidemiology Collective (C-SPEC), Bilinski A, Birger R, Burn S, Chitwood M, Clarke-Deelder E, **Shioda K**, et al. Defining high-value information for COVID-19 decision-making. medRxiv. 2020 Apr 8;2020.04.06.20052506.
2. Fauver JR*, Petrone ME*, Hodcroft EB*, **Shioda K**, Ehrlich HY, Watts AG, et al. Coast-to-coast spread of SARS-CoV-2 in the United States revealed by genomic epidemiology. medRxiv. 2020 Mar 26; (*Co-first authors)
1. Makoto Mori, Maan Jokhadar, **Kayoko Shioda**, Anurag Sahu, Robert Elder, Camden Hebson, Nancy McCabe, Brian Kogon, Wendy Book: *REDUCED HEPATIC VENOUS FLOW IS A MARKER OF ADVERSE OUTCOMES IN PATIENTS WITH FONTAN CIRCULATION*. Journal of the American College of Cardiology 04/2014; 63(12):A566., DOI:10.1016/S0735-1097(14)60566-0

Conference Presentations

Upcoming conferences (accepted presentations)

48. **K Shioda**, A Brouwer, F Lamar, HN Mucache, K Levy, M Freeman: Opportunities to mitigate infection of enteropathogens of poultry origin: a transmission model analysis – Accepted in-person poster presentation at the 2022 UNC Water and Health Conference: Research, Policy and Practice, Oct 2022

2022

47. **K Shioda**, A Brouwer, F Lamar, K Levy, M Freeman: Mitigation opportunities to interrupt pediatric infection of enteropathogens of poultry origin in Maputo, Mozambique: a transmission model analysis – Poster presentation and 30-sec teaser at the 2022 EEID, Jun 2022

2021

46. **K Shioda**, M Lau, A Kraay, K Nelson, E Hall, H Bradley, T Sanchez, N Luisi, M Valentine-Graves, MH Collins, M Fahimi, R Rothenburg, C Sailey, JS Weitz, AJ Siegler, PS Sullivan, BA Lopman: Estimating the cumulative incidence of SARS-CoV-2 infection and the infection fatality ratio in light of waning antibodies – Poster presentation and 1-min video teaser at the 2021 EEID, Jun 2021
45. **K Shioda**, M Lau, A Kraay, K Nelson, E Hall, H Bradley, T Sanchez, N Luisi, M Valentine-Graves, MH Collins, M Fahimi, R Rothenburg, C Sailey, JS Weitz, AJ Siegler, PS Sullivan, BA Lopman: Estimating the cumulative incidence of SARS-CoV-2 infection and the infection fatality ratio in light of waning antibodies – Rapid fire-talk and poster presentation at the 2021 MIDAS Network Annual Meeting, May 2021
44. PS Sullivan, **K Shioda**, E Hall, H Bradley, N Luisi, K Nelson, T Sanchez, M Valentine-Graves, M Fahimi, R Rothenberg, B Lopman, AJ Siegler: *CUMULATIVE INCIDENCE OF SARS-CoV-2 INFECTION AND EPIDEMIC METRICS, UNITED STATES* – Science spotlight presentation at virtual CROI 2021, Mar 2021
43. AJ Siegler, E Hall, T Sanchez, H Bradley, N Luisi, K Nelson, M Valentine-Graves, M Fahimi, **K Shioda**, B Lopman, R Rothenberg, PS Sullivan: *US POPULATION-BASED SURVEY OF VACCINE WILLINGNESS AND SARS-CoV-2 ANTIBODY PREVALENCE* – Science spotlight presentation at virtual CROI 2021, Mar 2021
42. **K Shioda**, MSY Lau, ANM Kraay, KN Nelson, AJ Siegler, PS Sullivan, MH Collins, JS Weitz, BA Lopman: *Estimating the cumulative incidence of SARS-CoV-2 infection and the infection fatality ratio in light of waning antibodies* – Poster presentation at the IAS COVID-19 Conference: Prevention (online), Feb 2021

2020

41. **K Shioda**: *Mathematical modeling for infectious diseases and vaccine evaluation* — Oral presentation (in Japanese) at the 163rd meeting of the Japanese Society of Veterinary Science (online), Sep 2020
40. **K Shioda**: *Declines in Pneumonia Mortality Following the Introduction of Pneumococcal Conjugate Vaccines in Latin American and Caribbean Countries* – Poster presentation at the 12th International Symposium on Pneumococci and Pneumococcal Diseases (online), Jun 2020

2019

39. **K Shioda**: *Working on global health issues as a veterinarian* — Oral presentation at the 162nd meeting of the Japanese Society of Veterinary Science, Ibaraki, Japan Sep 2019
38. **K Shioda**, LH de Oliveira, MT Valenzuela, CB Janusz, A Rearte, AN Sbarra, JL Warren, CM Toscano, DM Weinberger: *Impact of Pneumococcal Conjugate Vaccines on Childhood Mortality due to Pneumonia in Latin American and Caribbean Countries*. — Oral presentation at the Yale EMD Departmental Symposium in New Haven, CT, Apr 2019

2018

37. M Mori, BM Syed Usman, **K Shioda**, AA Mangi, JJ Yun, JA Elefteriades, A Geirsson: *Prevalence of incidentally identified thoracic aortic aneurysms: Insights for screening criteria.* — Oral presentation at the Latin America STS/EACTS Meeting 2018, Cartagena in Colombia, Nov 2018
36. **K Shioda**, DM Weinberger: *Estimating the Impact of Pneumococcal Conjugate Vaccines in Subnational Populations with Sparse Data Using the Synthetic Control Approach.* — Poster presentation at the Yale EMD Departmental Symposium in New Haven, CT, May 2018
35. AN Sbarra, **K Shioda**, JL Warren, LH de Oliveira, DM Weinberger: *Improving Credibility of PCV Impact Estimates Using Pooled Analysis.* — Oral presentation at 11th International Symposium on Pneumococci and Pneumococcal Diseases in Melbourne, Australia, Apr 2018
34. **K Shioda**, C Schuck-Paim, RJ Taylor, R Lustig, L Simonsen, DM Weinberger: *Effect of sample size on the ability to estimate the impact of pneumococcal conjugate vaccines using time series data.* — Poster presentation at 11th International Symposium on Pneumococci and Pneumococcal Diseases in Melbourne, Australia, Apr 2018
33. M Mori, **K Shioda**, X Wang, AA Mangi, JJ Yun, U Darr, A Geirsson: *Risk Model for In-Hospital Mortality in Aortic Surgery for Ascending Aortic Aneurysm in the United States Using the Society of Thoracic Surgeons National Database.* — Poster presentation at the Society of Thoracic Surgeons 54th Annual Meeting in Fort Lauderdale, FL, Jan 2018

2017

32. T Nyirenda, G Leday, **K Shioda**, M Gordon, M Henrion: *Uncovering the mechanisms of iNTS susceptibility in children with malaria using Bayesian Gaussian copula graphical models.* — Poster presentation at 21st Research Dissemination Conference in Blantyre, Malawi, Nov 2017
31. **K Shioda**, DM Weinberger: *Approaches to Estimating the Causal Effect of Vaccines on Time Series.* — Oral presentation at the Yale EMD Department Research Forum in New Haven, CT, Oct 2017
30. AJ Hall, SM Pires, B Devleeschauwer, A Kambhampati, **K Shioda**, SM Ahmed, A Robinson, L Verhoef, U Parashar, B Lopman, M Koopmans: *Updated estimates of the global burden of norovirus disease.* — Oral presentation at Vaccines for Enteric Diseases in Albufeira, Portugal, Oct 2017
29. T Nyirenda, G Leday, **K Shioda**, M Gordon, M Henrion: *Uncovering the mechanisms of iNTS susceptibility in children with malaria using Bayesian Gaussian copula graphical models.* — Poster presentation at 2017 Annual Scientific Meeting in Mangochi, Malawi, Oct 2017
28. **K Shioda**, VE Pitzer: *Evaluation of the impact of rotavirus vaccine in Latin America.* — Poster presentation at the Yale EMD Departmental Symposium in New Haven, CT, May 2017
27. **K Shioda**, C Schuck-Paim, RJ Taylor, L Simonsen, DM Weinberger: *Estimating the impact of pneumococcal conjugate vaccines in smaller populations using the synthetic control approach.* — Poster presentation at the Yale EMD Departmental Symposium in New Haven, CT, May 2017
26. MA Simmons, W Book, **K Shioda**, M Mori, R Elder: *Towards a Better Predictive Model of Adverse Events in Adult Fontan Patients.* — Poster presentation at the American College of Cardiology meeting 2015 in Washington DC, Mar. 2017

2016

25. M Schmidt, **K Shioda**, A Naleway, C Biggs, AJ Hall: *Increased Incidence of Norovirus-Associated Medically Attended Acute Gastroenteritis Among Older Adults With Underlying Chronic Disease.* — Poster presentation at IDWeek 2016 in New Orleans, LA, Oct. 2016
24. M Schmidt, A Naleway, C Biggs, **K Shioda**, AJ Hall: *Differences in the Occurrence and Cause of Medically Attended Acute Gastroenteritis Among Men Who Have Sex With Men Within an Integrated Health Care Delivery System.* — Poster presentation at IDWeek 2016 in New Orleans, LA, Oct. 2016
23. **K Shioda**, N Collins, L Barclay, S Becker-Dreps, F Bucardo-Rivera, P Cooper, DC. Payne, J Vinjé, BA Lopman: *Can Use of Viral Load Improve Clinical Norovirus Diagnosis? Associations Between Real-time RT-PCR Cycle Threshold Values and Demographic, Clinical, and Outbreak Characteristics.* — Poster presentation at the 32nd Annual Clinical Virology Symposium in Daytona Beach, FL, May. 2016
22. **K Shioda**, L Barclay, S Becker-Dreps, F Bucardo-Rivera, P Cooper, DC. Payne, J Vinjé, BA Lopman: *Can Use of Viral Load Improve Clinical Norovirus Diagnosis? Associations Between Real-time RT-PCR Cycle Threshold Values and Demographic, Clinical, and Outbreak Characteristics.* — Poster presentation at the 2016 NoroCORE Stakeholder Meeting in Crystal City, VA, Apr. 2016
21. MP Shah, M Wikswo, L Barclay, A Kambhampati, **K Shioda**, J Vinjé, AJ Hall: *Enhanced Norovirus Outbreak Surveillance through the Norovirus Sentinel Testing and Tracking Network (NoroSTAT).* — Poster presentation at the 2016 NoroCORE Stakeholder Meeting in Crystal City, VA, Apr. 2016

2015

20. A Kambhampati, **K Shioda**, M Wikswo, A Hall: *Three Year Summary of NoroSTAT*. — Oral presentation at the InFORM 2015 in Phoenix, AZ, Nov. 2015
19. A Lopez, **K Shioda**: *National Investigation of Acute Flaccid Myelitis in the United States, 2014: CDC Response and Next Steps*. — Oral presentation at the Child Neurology Society 2015 Annual Meeting in DC, Oct. 2015
18. A Hall, **K Shioda**, A Naleway, E Esterberg, E DeBess, C Biggs, M Schmidt: *Active Surveillance for Medically-attended Acute Gastroenteritis and Norovirus Infection in a US Managed Care Population*. — Oral presentation at the ID Week 2015 in San Diego, CA, Oct. 2015
17. **K Shioda**, A Kambhampati, A Hall, B Lopman: *Global Age Distribution of Pediatric Norovirus Cases*. — Poster presentation at the International Conference on Emerging Infectious Diseases (ICEID) 2015 in Atlanta, GA, Aug. 2015
16. **K Shioda**, L Cosmas, A Audi, N Gregoricus, J Vinje, U Parashar, J Montgomery, D Feikin, R Breiman, A Hall: *Population-based Rates of Diarrheal Disease Associated with Norovirus, Sapovirus, and Astrovirus in Kenya*. — Poster presentation at the ICEID 2015 in Atlanta, GA, Aug. 2015
15. A Kambhampati, **K Shioda**, D Sharp, A Hall: *Prevention of Norovirus Outbreaks through Food Safety Regulations*. — Poster presentation at the ICEID 2015 in Atlanta, GA, Aug. 2015
14. **K Shioda**, A Kambhampati, A Hall, B Lopman: *Global Age Distribution of Pediatric Norovirus Cases*. — Poster presentation at the Vaccines for Enteric Diseases Conference 2015 in Edinburgh, UK, Jul. 2015
13. A Kambhampati, **K Shioda**, H Gould, D Sharp, L Brown, U Parasher, A Hall: *Assessment of Food Safety Regulations for Prevention of Norovirus Outbreaks*. — Poster presentation at the International Association for Food Protection Annual Conference 2015 in Portland, OR, Jul. 2015
12. **K Shioda**, A Kambhampati, M Wikswo, A Hall: *Acute Gastroenteritis Outbreaks from Person-to-Person Contact, Environmental, and Unknown Modes of Transmission – United States, 2009–2013*. — Oral presentation at the Council of State and Territorial Epidemiologists (CSTE) Annual Conference 2015 in Boston, MA, Jun. 2015
11. A Kambhampati, **K Shioda**, D Sharp, A Hall: *Assessment of Food Safety Regulations for Prevention of Norovirus Outbreaks*. — Poster presentation at the CSTE Annual Conference 2015 in Boston, MA, Jun. 2015
10. N Aliabadi, E Leshem, A Lopez, **K Shioda**, A Kambhampati, M Cortese, J Sejvar: *Acute Gastroenteritis Outbreaks from Investigation of Pediatric Acute Flaccid Myelitis in the United States, 2014*. — Oral presentation at the CSTE Annual Conference 2015 in Boston, MA, Jun. 2015
9. M Mori, **K Shioda**, M Jokhadar, S Pernetz, A Langosch, R Elder, C Hebson, B Kogon, W Book: *Diastology of Adult Fontan Circulation Predicts Mortality and Heart Transplantation*. — Poster presentation at the American College of Cardiology (ACC) meeting 2015 in San Diego, CA, Mar. 2015
8. M Mori, C Hebson, **K Shioda**, R Elder, M Jokhadar, B Kogon, W Book: *Catheter-measured hemodynamics of the failing Fontan circulation*. – Poster presentation at ACC 2015 in San Diego, CA, Mar. 2015
7. **K Shioda**, A Kambhampati, M Wikswo, K Pringle, H Gould, U Parashar, A Hall: *Epidemiology of Foodborne Norovirus Outbreaks and Food Safety Provisions in the United States*. — Oral presentation at the 49th annual United States-Japan Cooperative-Program on Natural Resources conference in New Orleans, LA, Jan. 2015

2014

6. M Mori, **K Shioda**, R Elder, N McCabe, M Jokhadar, C Hebson, B Kogon, A Sahu, F Rodriguez III, M McConnell, W Book: *Decreased Respiratory Variation of Hepatic Vein Doppler Predicts Major Clinical Outcomes in Fontan Patients*. — Oral presentation at the American Heart Association meeting 2014 in Chicago, IL, Nov. 2014
5. A Kambhampati, **K Shioda**, D Sharp, A Hall: *Assessment of Food Safety Regulations for Norovirus Prevention: A State by State Analysis*. — Poster presentation at the 2014 NoroCORE Full Collaborative & Stakeholder Meeting in Dallas, TX, Oct. 2014
4. M Mori, **K Shioda**, R Elder, N McCabe, M Jokhadar, C Hebson, B Kogon, A Sahu, F Rodriguez III, M McConnell, W Book: *Superior Mesenteric Arterial Flow Pattern as a Marker of Major Adverse Outcomes in Patients with Fontan Circulation*. — Oral presentation at the 7th Adult Congenital Heart Association National Meeting 2014 in Chicago, IL, Oct. 2014
3. M Mori, M Jokhadar, **K Shioda**, A Sahu, B Kogon, W Book: *Reduced Hepatic Venous Flow is a Marker of Adverse Outcomes in Patients with Fontan Circulation*. — Poster presentation at ACC 2014 in Washington DC, Mar. 2014

2011

2. **K Shioda**, M Yoneda, T Sugiyama, Y Une, N Matsuki and C Kai: *Prevalence of Canine Distemper Virus Infection in Captive Large Felids in Japan*. — Poster presentation at the meeting of the Japanese Society of Veterinary Science in Osaka, Japan, Apr. 2011

1. **K Shioda**, M Yoneda, T Sugiyama, Y Une, Y Endo, N Matsuki and C Kai: *Prevalence of Canine Distemper Virus Infection in Captive Large Felids in Japan*. — Oral presentation at the meeting of the Japanese Society of Veterinary Science in Tokyo, Japan, Sep. 2011

Conference Proceedings

11. M. Abigail Simmons, Wendy Book, **Kayoko Shioda**, Makoto Mori, Robert Elder: *TOWARDS A BETTER PREDICTIVE MODEL OF ADVERSE EVENTS IN ADULT FONTAN PATIENTS*. Journal of the American College of Cardiology 03/2017; 69(11):633., DOI:10.1016/S0735-1097(17)34022-6
10. Mark Schmidt, **Kayoko Shioda**, Allison Naleway, Christianne Biggs, Aron J. Hall: *Increased Incidence of Norovirus-Associated Medically Attended Acute Gastroenteritis Among Older Adults With Underlying Chronic Disease*. Open Forum Infectious Diseases 12/2016; 3(suppl_1)., DOI:10.1093/ofid/ofw172.522
9. Mark Schmidt, Allison Naleway, Christianne Biggs, **Kayoko Shioda**, Aron J. Hall: *Differences in the Occurrence and Cause of Medically Attended Acute Gastroenteritis Among Men Who Have Sex With Men Within an Integrated Health Care Delivery System*. Open Forum Infectious Diseases 12/2016; 3(suppl_1)., DOI:10.1093/ofid/ofw172.905
8. Anita Kambhampati, **Kayoko Shioda**, L. Hannah Gould, Donald Sharp, Laura Brown, Umesh Parashar, Aron Hall: *A State-by-State Assessment of Food Safety Regulations for Prevention of Norovirus Outbreaks*. International Association for Food Protection, Portland, OR; 07/2015
7. Anita Kambhampati, **Kayoko Shioda**, L. Hannah Gould, Donald Sharp, Laura Brown, Aron J Hall, Umesh D. Parashar: *Assessment of Food Safety Regulations for Prevention of Norovirus Outbreaks*. 2015 CSTE Annual Conference, Boston, MA; 06/2015
6. Negar Aliabadi, Adriana Lopez, Anita Kambhampati, **Kayoko Shioda**, Margaret M Cortese, Daniel Pastula, Eyal Leshem, Nicole Gregoricus, W. Allan Nix, Steve Oberste, Marc Fischer, Jessica Leung, Lisa Miller, Samuel Dominguez, Jeffrey Engel, Jane Seward, Daniel Feikin, James J Sejvar, Mark Pallansch: *Investigation of Pediatric Acute Flaccid Myelitis in the United States, 2014*. 2015 CSTE Annual Conference, Boston, MA; 06/2015
5. **Kayoko Shioda**: *Acute Gastroenteritis Outbreaks from Person-to-Person Contact, Environmental, and Unknown Modes of Transmission – United States, 2009–2013*. 2015 CSTE Annual Conference, Boston, MA; 06/2015
4. Makoto Mori, **Kayoko Shioda**, Maan Jokhadar, Robert W Elder, Nancy McCabe, Camden Hebson, Brian E Kogon, Anurag Sahu, Frederick Rodriguez, Michael McConnell, Wendy M Book: *Decreased Respiratory Variation of Hepatic Vein Doppler Predicts Major Clinical Outcomes in Fontan Patients*. American Heart Association; 11/2014
3. Makoto Mori, **Kayoko Shioda**, Maria Pernetz, Robert Elder, Alicia Rangosch, Wendy Book, Fred Rodriguez, Anurag Sahu, Brian Kogon, Michael McConnell, Camden Hebson, Maan Jokhadar: *DIASTOLIC DYSFUNCTION BY DOPPLER ECHOCARDIOGRAM IS ASSOCIATED WITH MAJOR ADVERSE EVENTS IN ADULT FONTAN PATIENTS*. Journal of the American College of Cardiology 03/2015; 65(10):A520., DOI:10.1016/S0735-1097(15)60520-4
2. Makoto Mori, Camden Hebson, **Kayoko Shioda**, Robert Elder, Fred Rodriguez, Maan Jokhadar, Nancy McCabe, Brian Kogon, Michael McConnell, Anurag Sahu, Wendy Book: *CATHETER-MEASURED HEMODYNAMICS OF ADULT FONTAN CIRCULATION: ASSOCIATION WITH MAJOR ADVERSE EVENT*. Journal of the American College of Cardiology 03/2015; 65(10):A537., DOI:10.1016/S0735-1097(15)60537-X

Invited Lectures, Workshops and Seminars

2022

- “Learning Session on Human, Animal, and Environmental Health for Heifer International.” – Virtual presentation and panel discussion at Heifer International, Little Rock, AR. June 3, 2022
- “ChEEP ChEEP: a need for animal feces management along the chicken value chain in Maputo, Mozambique” – Virtual workshop/seminar at the WSH-MEDS webinar by the MEDS team at the Bill and Melinda Gates Organization, Seattle, WA. May 17, 2022
- “Outbreak of Acute Limb Weakness of Unknown Etiology Among Children in the U.S. – How we started the national surveillance” and “Estimating the cumulative incidence of SARS-CoV-2 infection and the infection fatality ratio in light of waning antibodies” – Guest lecture at Dr. Dan Weinberger’s public health surveillance course at Yale School of Public Health (EMD539), New Haven, CT. February 9, 2022

- "ChEEP ChEEP: the role of the informal chicken value chain on exposures to human enteropathogens in Maputo, Mozambique" – Virtual presentation at the One Health Research Network at the University of Washington, Seattle, WA. January 25, 2022

2021

- "Vaccine-preventable diseases: An overview of advanced analytical methods." – Virtual presentation at the BEES webinar series at the Department of Biostatistics, Epidemiology and Environmental Health Sciences at Georgia Southern University, Statesboro, GA. October 25, 2021

2020

- "Adapting to a "new normal" in the COVID-19 pandemic" – Virtual group presentation and panel discussion hosted by the Pet Professional Guild, an NPO in UK. June 25, 2020.

2019

- "Methods for new vaccines impact assessment in childhood mortality: PCV as a case-study" – 3-day workshop for epidemiologists and public health practitioners from 10 Latin American countries hosted by Yale and WHO/PAHO in New Haven, CT. May 15-17, 2019. (Co-led with Drs. Dan Weinberber, Lucia de Oliveira, Cristiana Toscano)
- "Working on global health issues as a veterinarian" – Invited talk at the 162nd meeting of the Japanese Society of Veterinary Science, Ibaraki, Japan. September 2019

2018

- "Impact of Pneumococcal Conjugate Vaccines (PCVs) childhood immunization on mortality in children <5 years old in selected Latin American countries" – Final meeting by WHO/PAHO, Washington DC. December 5-6, 2018
- "Pre-Symposium Workshop: Epidemiological Data Analysis (1). Evaluating Vaccine Impact Using Time Series Administrative Data" – Pre-conference workshop at the 11th International Symposium for Pneumococci and Pneumococcal Diseases (ISPPD), Melbourne, Australia. April 15, 2018. (Co-led with Dr. Dan Weinberger)
- "Future that we create with female researchers" – Panel discussion at a public symposium hosted by the Japan Science and Technology Agency, Tokyo, Japan. April 14, 2018.
- Impact of Pneumococcal Conjugate Vaccines (PCVs) childhood immunization on mortality in children <5 years old in selected Latin American countries" – Investigators meeting by WHO/PAHO, Washington DC. March 7-9, 2018

2017

- "Evaluation of PCV Impact Using Administrative Data" – 3-day expert meeting by WHO/PAHO and BMGF, Washington DC. May 1-3, 2017

2014-2016

- Workshops for time series analysis and vaccine evaluation at the National Center for Global Health and Medicine, Tokyo, Japan and St. Luke's International University, Tokyo, Japan
- Guest lectures about vaccine evaluation, infectious disease surveillance and epidemiological research, and outbreak response at the University of Tokyo, Waseda University, Hokkaido University, and Teikyo University (all in Japan)
- Guest seminar presentations about my work on public health, epidemiology, outbreak response in academia and CDC at the University of Tokyo, Keio University, Tohoku University, the National Institute of Infectious Diseases, and Japanese Ministry of Health, Labour and Welfare (all in Japan)

Teaching and mentoring

Teaching

- Teaching fellow for EMD 538 Quantitative Methods for Infectious Disease Epidemiology (2 years)
- Teaching fellow for EMD 539 Introduction to Public Health Surveillance (2 years)
- Statistics consultant at Yale StatLab (2017-2018)

Mentoring

- Co-mentored a research rotation for Jhanel Chew, a Ph.D. student at Emory University, Atlanta, GA. (Spring 2022)
- Supervised as a primary advisor for a research rotation for Courtney Victor, a Ph.D. student at Emory University, Atlanta, GA. (Spring 2021)
- Supervised a final project for Molly Miller-Petrie, a Ph.D. student at the University of Washington, Seattle, WA. (Fall 2020)

Software development

- InterventionEvaluatR (R package): Time series analysis for evaluating the impact of public health interventions ([Link](#))
- Simple transmission dynamic model for COVID-19 ([Link](#))
- COVID-19 Hospital Capacity Model ([Link](#))
- Interactive Projection Tool for COVID-19 Interventions ([Link](#))

Other Publications (e.g., Books, News Articles, Movies)

- *Just How Big Could India's True Covid Toll Be?* ([Link](#)). New York Times. May 25, 2021. Interviewed by New York Times about the true number of SARS-CoV-2 infection in India.
- *Achieving A Fair and Effective COVID-19 Response: An Open Letter to Vice-President Mike Pence, and Other Federal, State and Local Leaders from Public Health and Legal Experts in the United States.* ([Link](#)) Helped with literature review, drafting and finalizing the letter, and collecting signatories as the writing group member. Feb. 2020
- *The risk of spreading zikavirus across the world during the Brazil Olympic is low.* ([Link](#)) Wrote an article in Huffington Post. Jul. 2016
- *Global Burden of Norovirus and Prospects for Vaccine Development.* Created a meeting report for the Norovirus Vaccine Conference supported by the Bill and Melinda Gates Foundation and the CDC Foundation. Feb. 2015
- *National Outbreak Reporting System (NORS) User Training Documents.* Developed a training document for users in the state/local health departments. Jan. 2015
- *Tasmanian Devil Became Endangered.* Wrote an article for WILDLIFE VIEW, Vol. 8 by Japan Wildlife Center (in Japanese). Aug. 2010
- *Financial difficulties of Japanese students who have been studying abroad.* Wrote an article in Asahi Newspaper (in Japanese). May 2013
- *Financial difficulties of Japanese students who have been studying abroad.* Wrote an article in Tokyo Newspaper (in Japanese). May 2013
- *Life of a Master of Public Health Student at Emory University.* Wrote an article for newsletter by Japanese Graduate Student Association in the U.S. (in Japanese). Feb. 2014
- *A Veterinarian Studying Public Health in the U.S.* Wrote an article for newsletter by International Veterinary Student Association (in Japanese). Jul. 2014
- *Africa Japan Forum HIV/AIDS Newsletter.* Translated 2-3 academic and news articles from English to Japanese every month as a volunteer translator. Jul. 2014 – Jul. 2015
- *L Change the WorLd.* Warner Bros. Entertainment, Inc. Created a math question that was the key to solve a mystery in this movie. Feb. 2008

Other professional Experience ([LinkedIn](#))

- Mar. 2020 – Apr. 2020 **Epidemiology Research Fellow**
Development of transmission dynamic model for COVID-19/SARS-CoV-2
COVID-19 Statistics, Policy Modeling and Epidemiology Collective (C-SPEC, [Link](#))
Modeling collaboration from Stanford, Yale, Harvard, Univ. of Maryland
- Jul. 2014 – Jul. 2015 **Translator**
Japan Africa Forum
Tokyo, Japan
- Apr. 2014 – Sep. 2014 **Part-time Research Assistant**

MerlinZhang Consulting
Atlanta, GA, United States

- May 2013 – Jun. 2013* **Intern**
The University of Tokyo, School of Medicine
Tokyo and Fukushima, Japan
- Sep. 2013 – May 2014* **Tutor of Biostatistics and Epidemiology**
Emory University, Department of Epidemiology, Department of Environmental Health,
Division of Cardiology at School of Medicine
Atlanta, GA, United States
- Sep. 2012 – Jul. 2014* **Graduate Research Assistant**
Emory University, Department of Epidemiology, Department of Environmental Health,
Division of Cardiology at School of Medicine
Atlanta, GA, United States
- Apr. 2009 – Jul. 2012* **Animal Clinic Assistant**
The University of Tokyo, Department of Veterinary Medical Sciences
Tokyo, Japan
- Jan. 2011 – Jun. 2012* **Teaching Assistant**
The University of Tokyo, Department of Veterinary Medical Sciences
Tokyo, Japan
- Apr. 2009 – Jul. 2012* **Research Assistant**
The University of Tokyo, Department of Veterinary Medical Sciences
Tokyo, Japan
- Sep. 2011 – Dec. 2011* **Intern**
World Organization for Animal Health (OIE), Regional Representation for Asia and the Pacific
Tokyo, Japan
- Jan. 2010 – Dec. 2010* **Veterinary Student Volunteer**
Japan Wildlife Center
Tokyo, Japan

Peer Review Experience ([publons](#))

Journals Annals of Epidemiology
Annals of Internal Medicine
BMJ Open
Clinical Microbiology and Infection (CMI)
Emerging Infectious Diseases (EID)
Epidemiology and Infection (EI)
European Economic Review (EER)
Frontiers in Veterinary Science
Journal of Epidemiology (JE)
Journal of Epidemiology and Global Health (JEGH)
New England Journal of Medicine (NEJM)
Open Forum Infectious Diseases (OFID)
Pediatric Infectious Disease Journal (PIDJ)
PLoS Computational Biology
PLoS Medicine
PLoS ONE
Scientific Reports

Skills

<i>Computer skills</i>	SAS, R, SUDAAN, ArcGIS, NetLogo, BLAST, GENETYX, ApE, FASTA, Clustal X2, Tree View, Microsoft Word/Excel/PowerPoint/Access
<i>Protocols of virology</i>	Virus amplification; virus isolation from clinical samples; virus infection to cells and animals (BSL2 and 3); virus titration; antigen detection; antibody detection (ELISA and neutralization assay); viral neutralization; virus rescue; restriction fragment length polymorphism
<i>Animal experiments</i>	Virus infection (BSL2 and 3); anesthesia; blood collection; blood test; cytometry of white blood cells; histopathological analysis (HE staining and immunostaining)
<i>Cells</i>	Transfection; establishment of stable cell lines
<i>Molecular biology</i>	RNA extraction; RT-PCR; PCR; construction of genome cDNA; bacterial cell culture; bacterial transformation; protein electrophoresis; western blot analysis; indirect immunofluorescence assay; immunoprecipitation; protein purification; polyclonal and monoclonal antibody production
<i>Computational phylogenetic analysis</i>	Sequence reaction; projection of phylogenetic tree or dendrogram; sequence analysis

Websites

- My Bibliography: <https://www.ncbi.nlm.nih.gov/sites/myncbi/101InwuQDXJk-/bibliography/52123406/public/?sort=date&direction=descending>
- Google Scholar: <https://scholar.google.com/citations?user=BiawVxEAAAAJ&hl=ja>
- ResearchGate: https://www.researchgate.net/profile/Kayoko_Shioda
- LinkedIn: <https://www.linkedin.com/in/kayoko-shioda-dvm-mph-3ba75795/>