

Full Publication List

Journal articles

- Anderson, J.*, **Bagamian, K.H.***, Muhib, F., Amaya, M.P., Laytner, L.A., Wierzba, T., and Rheingans, R. 2019. The unrecognized consequences of ETEC and *Shigella* non-fatal infections: burden in 79 low- and lower middle-income countries. *The Lancet Global Health*, 7, 321–30. *Equal contributors.
- Carrera, J.P., **Bagamian K.H.**, Travassos da Rosa, A., Wang, R., Beltran, D., Gundaker, N., Armien, B., Arroyo, G., Sosa, N., Pascale, J.M., Valderrama, A., Tesh, R., Vittor, A., and Weaver, S. 2018. Human and equine infection with alphaviruses and flaviviruses in Panama during 2010: a cross-sectional study of household contacts during an encephalitis outbreak. *American Journal of Tropical Medicine and Hygiene*, 98, 1798–1804.
- Rheingans, R., Anderson, J., **Bagamian, K.H.**, Laytner, L.A., Pecenka, C., Ahmed, M., and Gilani, S.S. 2018. Effects of Geographic and Economic Heterogeneity on the Burden of Rotavirus Diarrhea and the Impact and Cost-Effectiveness of Vaccination in Pakistan. *Vaccine*, 36, 7780–7789.
- Rheingans, R., Anderson, J., **Bagamian, K.H.**, Laytner, L.A., and Pecenka, C. 2018. Effects of Geographic and Economic Heterogeneity on the Burden of Rotavirus Diarrhea and the Impact and Cost-Effectiveness of Vaccination in Lao People’s Democratic Republic. *Vaccine*, 36, 7868–7877.
- Kaplan, M., Manore, C., and **Bagamian, K.H.** 2016. Agent-based hantavirus transmission model incorporating host behavior and viral shedding heterogeneities derived from field transmission experiments. *Letters in Biomathematics* 3, 209–228.
- Bezymennyi, M.*, **Bagamian, K.H.***, Barro, A., Skrypnyk, A., Skrypnyk, V., and Blackburn, J.K. 2014. Spatio-temporal patterns of livestock anthrax in Ukraine during the past century (1913–2012). *Applied Geography* 54, 129–138. *Equal contributors.
- **Bagamian, K.H.**, Skrypnyk, A., Rodina, Y., Bezymennyi, M., Nevolko, O., Skrypnyk, V., and Blackburn, J.K. 2014. Serological anthrax surveillance in wild boar (*Sus scrofa*) in Ukraine. *Vector-Borne and Zoonotic Diseases* 14, 618–620.
- Blackburn, J.K., Skrypnyk, A., **Bagamian, K.H.**, Nikolich, M.P., Bezymennyi, M., and Skrypnyk, V. 2014. Anthrax in a backyard domestic dog in Ukraine: a case report. *Vector-Borne and Zoonotic Diseases* 14, 615–617.
- Skrypnyk, V.G., Koziy, R.V., Skrypnyk, A.V., Rublenko, I.O., **Bagamian, K.H.**, Farlow, J., Nikolich, M.P., Mezhenkiy, A.O., Nevolko, O.M., and Blackburn, J.K. 2014. Anthrax in dogs. *уча СучаССні наукові розробки* 1, 14–17.
- **Bagamian, K.H.**, Alexander, K.A., Hadfield, T.L., and Blackburn, J.K. 2013. Ante- and post-mortem diagnostic techniques for anthrax: rethinking pathogen exposure and the geographic extent of the disease in wildlife. *Journal of Wildlife Diseases* 49, 786–801.
- **Bagamian, K.H.**, Towner, J.T., Mills, J.N., and Kuenzi, A.J. 2013. Increased detection of Sin Nombre hantavirus RNA in antibody-positive deer mice from Montana, USA: evidence of male bias in RNA viremia. *Viruses: Special Issue: Hantaviruses* 5, 2320–2328.
- **Bagamian, K.H.**, Towner, J.S., Douglass, R.J., Kuenzi, A.J., Rollin, P.E., Waller, L.A., and Mills, J.N. 2012. Transmission ecology of Sin Nombre hantavirus in North American deer mouse populations in outdoor enclosures. *PLoS One* 7, e47731.
- **Bagamian, K.H.**, Douglass, R.J., Alvarado, A., Kuenzi, A.J., Amman, B.A., Waller, L.A., and Mills, J.N. 2012. Population density and seasonality effects on Sin Nombre virus transmission in North American deer mice (*Peromyscus maniculatus*) in outdoor enclosures. *PLoS One* 7, e37254.
- Carver, S., Kuenzi, A.J., **Bagamian, K.H.**, Mills, J.N., Rollin, P.E., Zanto, S.N., and Douglass, R.J. 2011. A temporal dilution effect: hantavirus infection in deer mice in Montana: effect of intermittent presence of voles. *Oecologia* 166, 713–721.

- **Bagamian, K.H.**, Heins, D.C., and Baker, J.A. 2004. Body condition and reproductive capacity of three-spined stickleback infected with the cestode *Schistocephalus solidus*. *Journal of Fish Biology* 64, 1568–1576.

Selected manuscripts in review / in preparation for submission

- **Bagamian, K.H.**, Anderson, J.D., Muhib, F., Cumming, O., Laytner, L.A., Wierzba, T.F. and Rheingans, R. Heterogeneity of ETEC and *Shigella* infections: a subnational approach quantifying risk, mortality, morbidity, and stunting in 11 African countries. *The Lancet Global Health*, in review.
- Anderson, J.D., Pecenka, C., **Bagamian, K.H.**, and Rheingans, R. Effects of Geographic and Economic Heterogeneity on the Burden of Rotavirus Diarrhea and the Impact and Cost-Effectiveness of Vaccination in Nigeria. *PLoS One*, in review.
- Cumming, O., Anderson, J.D., **Bagamian, K.H.**, Andres, L., Kullman, C., Skoufias, E., Rheingans, R., Ryan, S.J. The distribution of water and sanitation related diarrhoeal disease risk and burden in seven low income countries—application and validation of a novel risk model. *BMJ Global Health*, in prep.
- Co-infection with multiple respiratory viruses in children from 9 Pittsburgh schools during the winter of 2012–2013. Authorship order: TBD, in prep.
- Comparison of SMART2 to community-wide influenza and respiratory virus dynamics and influenza-like illness related absences. Authorship order: TBD, in prep.

Reports

- **Bagamian, K.H.** and Anderson, J.D. 2019. WASH Poverty Diagnostic; Poverty Risk Model Assessment: Angola. World Bank Report, 48pp.
- Rheingans, R., **Bagamian, K.H.**, Anderson, J.D., Ryan, S.J., Amratia, P., Amaya, M.P., Bouland, J., Laytner, L.A., Watson, J., and Cumming, O. 2016 WASH Poverty Diagnostic; Poverty Risk Model Assessment: Bangladesh. World Bank Report, 56pp.
- Rheingans, R., Anderson, J.D., **Bagamian, K.H.**, Ryan, S.J., McNamara, K., Laytner, L.A., Amratia, P., Watson, J., and Cumming, O. 2016 WASH Poverty Diagnostic; Poverty Risk Model Assessment: Democratic Republic of Congo. World Bank Report, 56pp.
- Rheingans, R., **Bagamian, K.H.**, Anderson, J.D., Ryan, S.J., Laytner, L.A., McNamara, K., Watson, J., and Cumming, O. 2016 WASH Poverty Diagnostic; Poverty Risk Model Assessment: Ethiopia. World Bank Report, 56pp.
- Rheingans, R., **Bagamian, K.H.**, Anderson, J.D., Ryan, S.J., Laytner, L.A., McNamara, K., Amaya, M.P., Watson, J., and Cumming, O. 2016 WASH Poverty Diagnostic; Poverty Risk Model Assessment: Haiti. World Bank Report, 54pp.
- Rheingans, R., Anderson, J.D., **Bagamian, K.H.**, Ryan, S.J., Watson, J., Laytner, L.A., and Cumming, O. 2016 WASH Poverty Diagnostic; Poverty Risk Model Assessment: Mozambique. World Bank Report, 62pp.
- Rheingans, R., **Bagamian, K.H.**, Anderson, J.D., Ryan, S.J., Laytner, L.A., McNamara, K., Watson, J., and Cumming, O. 2016 WASH Poverty Diagnostic; Poverty Risk Model Assessment: Nigeria. World Bank Report, 54pp.
- Rheingans, R., Anderson, J.D., **Bagamian, K.H.**, Ryan, S.J., Amaya, M.P., Laytner, L.A., McNamara, K., Watson, J., and Cumming, O. 2016 WASH Poverty Diagnostic; Poverty Risk Model Assessment: Tajikistan. World Bank Report, 54pp.
- Rheingans, R., **Bagamian, K.H.**, Anderson, J.D., Ryan, S.J., Watson, J., Amratia, P., Laytner, L.A., and Cumming, O. 2016 WASH Poverty Diagnostic; Poverty Risk Model Assessment: Pakistan. World Bank Report, 58pp.
- Ryan, S.J., **Bagamian, K.H.**, Rheingans, R., and Cumming, O. 2016. An exploratory validation of the WASH PRM for the Democratic Republic of Congo, Haiti, and Tajikistan. World Bank Report, 47pp.