

## Krystal Mason

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### PROFILE

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Epidemiology Research Associate, Arbovirus Coordinator with the Pennsylvania Department of Health with a background in infectious diseases. Several years experience working overseas at the grassroots level on international development issues focusing on human rights and education in Nepal and West Africa. Strong facilitation skills whether holding conference calls or delivering a presentation through adobe connect.

### EDUCATION

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#### **Master of Science (ScM) in Epidemiology**

*May 2012*

Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

**Thesis Title:** "A Cross-Sectional Assessment of HIV Risks, Access to Services, and Human Rights Contexts Among Men who have Sex with Men in the Gambia"

#### **Certificate in Health and Human Rights**

*May 2012*

Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

#### **Bachelor of Science in Behavioral Neuroscience**

*May 2004*

Lehigh University, Bethlehem, PA

### PUBLIC HEALTH AND RESEARCH EXPERIENCE

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#### **Epidemiologist Research Associate, Arbovirus Coordinator**

Pennsylvania Department of Health, Harrisburg

*April 2017-present*

- Facilitated monthly meetings with the Arbovirus workgroup that consisted of stakeholders from different state agencies including two main partners- PA Department of Agriculture and PA Department of Environmental Protection
- Managed the state surveillance system, tracked all arbovirus patients, and reported arbovirus cases to CDC ArboNET and DEP's state database system
- Initiated a pilot project for education on arboviruses and tickborne diseases with partner agencies and delivered presentations to Sinoquipe boy scouts where over 1200 campers, leaders, and staff participated

#### **Epidemiologist**

*September 2013-February 2017*

U.S. Department of Health and Human Services, Center for Disease Control and Prevention, National Institute for Occupational Safety and Health, Western States Division; Anchorage, Alaska

- Managed and analyzed data from the Alaska Occupational Injury Surveillance System for various projects, presentations, and dissemination to partners
- Identified and analyzed cases from the Bureau of Labor Statistics Census of Fatal Occupational Injuries for occupational fatalities in the oil and gas industry with a focus in fatal falls as Project Officer
- Organized NIOSH staff presentations to various annual conferences including the Alaska Public Health Association Summit, the Governor's Safety and Health Conference, and the Council of State and Territorial Epidemiologists Conference
- Deployed to Sierra Leone for six weeks on the CDC Western Region Epi team to monitor the Ebola outbreak and supervise the District Surveillance Officers
- Examined reports and articles within NIOSH as part of the internal review process

#### **Program Manager**

*Jan 2013-August 2013*

The Johns Hopkins Center for Public Health and Human Rights; Baltimore, MD

- Created a resource library after performing a literature review containing important references on the training of health professionals to meet the needs of Men who have Sex with Men (MSM)
- Adapted a global MSM Curriculum to train healthcare workers on cultural and clinical components of caring for MSM in low- and middle-income countries
- Coordinated with the 3 management team members from Johns Hopkins and the Global Forum for MSM and HIV; facilitated weekly conference calls with management team and 15 technical advisory board members to provide updates and collect feedback

#### **Research Assistant**

*Jan 2011-Nov 2012*

The Johns Hopkins Center for Public Health and Human Rights; Baltimore, MD

- Prepared a report for amfAR outlining the financing and implementation of HIV programs targeting MSM in Botswana, Malawi, Namibia, Swaziland, Zambia, and Zimbabwe
- Analyzed country proposals and budgets asking for funds targeting HIV prevention for MSM with cooperation from Fund Portfolio Managers from the Global Fund to Fight AIDS, Tuberculosis, and Malaria

#### The Gambia Men who have Sex with Men (MSM) and Female Sex Worker (FSW) Study

- Collaborated with UNAIDS and the National AIDS Secretariat in The Gambia as an Epidemiologist consultant to implement the first bio-behavioral, cross-sectional study that quantitatively analyzed risk factors associated with HIV prevalence among 200 MSM and 300 FSW using Snowball sampling
- Presented findings to major stakeholders and spoke at the MSM Global Forum (MSMGF) to advocate for more targeted programming for HIV prevention among MSM and increase their access to healthcare
- Published an abstract in *Missing Voices from the Field*, produced by MSMGF

#### The Mongolia MSM Study

- Used quantitative and qualitative analysis to analyze risk factors associated with HIV prevalence among 300 MSM in Mongolia using Respondent-Driven Sampling
- Wrote reports on findings to major stakeholders and co-authored an abstract presented at the 2012 International AIDS Conference
- Co-authored an abstract in *AIDS and Behavior* titled "A Cross-sectional Evaluation of Correlates of HIV Testing Practices Among Men Who Have Sex With Men (MSM) in Mongolia using Respondent-Driven Sampling"

#### Pharmacy Technician

June 2001 – Dec 2002

Jeanes Hospital; Philadelphia, PA

Nov 2004 – June 2005

- Dispensed medications, mixed intravenous fluids, and delivered treatments for patients for each department of the hospital with approximately 150-200 patients
- Collaborated with pharmacists, nurses, and doctors to ensure the timely delivery of necessary medications and keep the pharmacy running efficiently

#### Research Assistant to Neuropsychologist

Allentown, PA

March 2003 – May 2004

- Administered and scored an assortment of tests to neuropsychology patients including memory battery tests, IQ tests, and sensory tests
- Examined a wide range of patients from younger children with ADHD to older adults suffering from dementia

#### INTERNATIONAL EXPERIENCE

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##### Project Committee Coordinator and Human Resources Sub-Committee Member

Peace Brigades International, Kathmandu, Nepal

Sept 2009-Jan 2013

- Recruited and screened about 100 applicants annually for the next group of NEP field volunteers
- Managed the training, deployment, and orientation of new NEP volunteers since 2009 which included the adaptation of the PBI NEP training manual and participant's guide to fit current needs
- Communicated with PC members and field teams on a monthly basis to discuss project strategy, receive updates, and review budget items

##### Human Rights Field Officer

April 2008 – July 2009

Peace Brigades International, Kathmandu, Nepal

- Implemented the nonviolent technique of Protective Accompaniment in a team of international volunteers to allow Nepali human rights defenders to continue their work in Nepal
- Managed the team finances and quarterly budget projections for 6 months
- Advocated on behalf of Nepali human rights defenders to high level authorities in the U.S., Canada, and Nepal through speaking tours and other PBI events hosted by the U.S. Country Director

##### U.S. Peace Corps Volunteer

June 2005 – Aug 2007

Ghana, West Africa

- Collaborated with host nationals to develop the science curriculum while teaching biology and chemistry to secondary school students for two years
- Established a Girls' Club with about 30 members to empower young women in the community using education and practical experiences
- Raised the necessary funds to build a new school library and update the computer lab

- Trained the 2006 education volunteers and served as a resource facilitator

## TEACHING EXPERIENCE

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### Teaching Assistant

*Aug. 2011-May 2012*

Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

Courses include: Assessing the Epidemiologic Impact of Human Rights Violations; Epidemiologic and Public Health Impact of HIV and AIDS; Advanced Topics on Control and Prevention of HIV/AIDS; Epidemiology and Natural History of Human Viral Infections

- Assisted professors with the daily managing of lectures and guest speakers, answered questions from students, and graded student presentations, exams, and papers

### Safety Educator

*Nov. 2010-Nov. 2011*

Johns Hopkins Home Safety Project, Baltimore, MD

- Worked with Hopkins staff and the Baltimore City Fire Department to go door to door and provide safety education to residents on fire safety, CO awareness, and hot water safety
- Performed data entry and data cleaning from the surveys collected from local residents about knowledge of fires, CO, and hot water burns
- Scheduled appointments for follow-up surveys with local residents to measure if they remembered the initial safety education from the first visit six months prior

### After School Teacher and Substitute Teacher

*Sept. 2004 – June 2005; Sept. 2007 –*

William Penn Charter, Philadelphia, PA

*Feb. 2008; Sept. 2009 – June 2010*

- Directed the personal growth of approximately 70 children in elementary school and conferred with other personnel regarding their progress
- Led activities utilizing arts and crafts, storytelling, sports, and other recreational activities designed to foster development
- Served as a substitute teacher for the Upper School science department and Lower School grades pre-K through 12

### Apprentice Teacher

*January-May 2002*

**Experimental Design and Statistical Analysis**, Lehigh University, Bethlehem, PA

- Assisted the professor with the planning of lessons prior to lectures and in grading homework, tests, and exams
- Aided with the professor's dissertation, "An Experimental Study of Situational Factors Involved in Academic Dishonesty" where involvement included preparation of testing materials and surveys, manipulating the testing environment and recording observations, and running the behind the scenes grading procedures

## PROFESSIONAL DEVELOPMENT

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**Languages:** English (native); Ewe (basic); Nepali (basic)

**Computer skills:** Microsoft Office Suite, STATA, Atlas.ti, webex, adobe connect

**Leadership/Training:** Peace Brigades International Project Committee (**Coordinator**), Human Resources Subcommittee (**Trainer**), and the US National Advisory Board (**Member**); UN Security training in the Gambia and in Nepal; Alternatives to Violence Program (**Trainee**); PCV Educator (**Trainer**); 2013 Presidential Management Fellowship semi-finalist; Microsoft Access training, 2013; AMSEA 48 hour Marine Safety Instructor Training Course, 2014; Learn to Return Field Travel Safety training, 2016; CPR, First Aid, and Bloodborne Pathogens certification, 2016; PEC Basic Safety Awareness training for SafeLand USA, 2014; OSHA 10 hour Construction course on safety, 2016; OSHA 3110 Fall Protection Course, 2014.

## PUBLICATIONS

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Lincoln, J., Watson, J., O'Connor, M., Lucas, D., Forrester, C., Teske, Ted., Mason, K., Woodward, Chelsea., & King, Grant. (2015). Occupational health and safety in Alaska. *Barents Newsletter on Occupational Health and Safety*, 18(1), 11-13.

Mason, K., Retzer, K., Hill, R., Lincoln, J. (2015). Trends in Occupational Fatalities During an Oil and Gas Boom- United States, 2003-2013. *Morbidity and Mortality Weekly Report*.

Mason, K., Ketende, S., Peitzmeier, S., Cessay, N., Logie, C., Diouf, D., . . . Baral, S. (2015). Stigma, human

rights violations, health care access, and disclosure of sexual orientation among men who have sex with men in the Gambia. *The Journal for Human Rights Practice*, 1-14. doi: 10.1093/jhuman/huu026

Peitzmeier, S., Mason, K., Ceesay, N., Diouf, D., Drame, F., Loum, J., & Baral, S. (2014). A cross-sectional evaluation of the prevalence and associations of HIV among female sex workers in the Gambia. [Evaluation Studies Research Support, Non-U.S. Gov't]. *Int J STD AIDS*, 25(4), 244-252. doi: 10.1177/0956462413498858

Mason, K., Kentende, S., Peitzmeier, S., Ceesay, N., Diouf, D., Loum, J., . . . Baral, S. (2013). A cross-sectional analysis of population demographics, HIV knowledge and risk behaviors, and prevalence and associations of HIV among men who have sex with men in the Gambia. [Research Support, Non-U.S. Gov't]. *AIDS Res Hum Retroviruses*, 29(12), 1547-1542. doi: 10.1089/AID.2013.0092

Yasin, F., Delegchoimbol, A., Jamiyanjmts, N., Sovd, T., Mason, K., & Baral, S. (2013). A cross-sectional evaluation of correlates of HIV testing practices among men who have sex with men (MSM) in Mongolia. [Evaluation Studies Research Support, Non-U.S. Gov't]. *AIDS Behav*, 17(4), 1378-1385.