

**MEGHAN BELLEROSE**  
meb2308@columbia.edu • 617-529-8307

**EDUCATION**

- 2019 – 2021**                      **Master of Public Health**  
Columbia University Mailman School of Public Health, New York, NY  
Population and Family Health  
Certificate in Public Health Research Methods
- 2013 – 2017**                      **Bachelor of Arts, Biochemistry and Sociology**  
Bowdoin College, Brunswick, ME  
Graduated with Honors  
Thesis title: *Poverty ends with a 12 year old girl: empowerment and the contradictions of international development*

**RESEARCH EXPERIENCE**

- 10/2020 – Present**              **Research Assistant** (part time)  
*Columbia School of Nursing, New York City, NY*
- Worked with PI Tawandra Rowell-Cunsolo on studies focused on criminal justice involved populations, people who inject drugs (PWID), and people living with HIV (PLHIV). Built logistic regression models to explore factors related to substance use treatment utilization, analyzed Medicaid and Medicare claims data to reveal trends in HIV comorbidities using SPSS, and designed and administered quantitative surveys and focus group discussion guides.
- 8/2020 – Present**              **Research Lead** (part time)  
*White Ribbon Alliance, Washington, D.C.*
- Wrote an academic manuscript to share the results of the global What Women Want Campaign, which asked over a million women to share their top reproductive health demand, and performed additional analyses by age group and country.
- 5/2020 – Present**              **Research Lead** (part time)  
*Johns Hopkins Bloomberg School of Public Health, Baltimore, MD*
- Under the direction of PI Emma Sacks, wrote two mixed-methods manuscripts on the supervision and career advancement opportunities of community health nurses in Ghana.
- 6/2020 – 8/2020**              **Practicum with the Poverty, Gender, and Youth Program**  
*Population Council, Nairobi, Kenya (remote)*
- Led an analysis of the impact of pre-pandemic characteristics on adolescent girls' educational plans, economic status, and health during COVID-19 in informal settlements in Nairobi. Calculated over 300 Department of Health Services adolescent health indicators in Stata to inform government interventions in four counties.
- 6/2017 – 6/2019**              **Research Assistant** (full time)

*Global Health Department, Harvard T.H. Chan School of Public Health, Boston, MA*

Contributed to mathematical modeling studies produced by the Prevention Policy Modeling Lab under the direction of Josh Salomon and Nick Menzies. Used Stata and SAS to calculate weighted prevalence estimates to inform STI, TB, and HPV transmission models. Published a review of network models of HCV and HIV among PWID.

## **OTHER RELEVANT EXPERIENCE**

**9/2016 – 5/2017**

**Global Citizens Grant Fellow**

*Joseph McKeen Center, Bowdoin College, Brunswick, ME*

Supported 12 students in designing and implementing direct service projects in communities around the world. Facilitated weekly meetings for grant recipients focused on global health and service.

**5/2016 – 8/2016**

**Knowledge Management Intern**

*International School Health and Nutrition (SHN), Save the Children, Washington, D.C.*

Produced and formatted program briefs, country reports, and total reach statistics for the 2015 SHN Program Update.

**5/2015 – 8/2015**

**Intern at Day Shelter for Homeless Youth**

*AIDS Action Committee, Youth on Fire, Cambridge, MA*

Developed education materials for clients on safer injection drug behaviors and interviewed homeless youth about their experiences with healthcare in Boston to inform health service providers. Wrote two grant proposals which received \$4,000 in funding.

**5/2014 – 8/2014**

**Intern at Women's Health Non-profit**

*UNiTED (Unifying Neighbors Through Education and Service), Kpando, Ghana*

Visited villages throughout the Volta region to discuss signs of a healthy pregnancy and lead workshops on topics such as female empowerment, condom use, and HIV/AIDS.

**8/2013 – 5/2017**

**Bowdoin Cross Country, Indoor, and Outdoor Track**

Elected three season captain by teammates, 2016-2017

## **PUBLICATIONS**

*In Press / Accepted*

**Bellerose, M.**, Diaw, M., Pinchoff, J., Kangwana, B., Austrian, K. (2020). Pre-pandemic influences on girls' transitions to adulthood during COVID-19. Accepted at *Girlhood Studies*.

Menzies, N.A., **Bellerose, M.**, Testa, C., Swartwood, N., Malyuta, Y., Cohen, T., Marks, S.M., Hill, A.N., Date A.A., Maloney S.A., Bowden, S.E., Grills, A.W., Salomon, J.A. (2020). Impact of effective global tuberculosis

control on health and economic outcomes in the United States. *American Journal of Respiratory and Critical Care Medicine*.

Rönn, M., Dunville, R., Wang, L.Y., **Bellerose, M.**, Malyuta, Y., Menzies, N.A., Aslam, M., Lewis, F., Walker-Baban, C., Asbel, L., Parchem, S., Masinter, L., Perez, E., Gift, T., Hsu, K., Barrios, L., Salomon, J.A. (2020). Mathematical modeling study of school-based chlamydia screening: potential impact on chlamydia prevalence in intervention schools and surrounding communities. *BMC Public Health*.

Tuite, A.R., Testa, C., Rönn, M., **Bellerose, M.**, Gift, T., Fridge, J., Molotnikov, L., Desmarais, C., Berruti, A., Menzies, N.A., Malyuta, Y., Hsu, K., Salomon, J.A. (2020). Exploring how epidemic context influences syphilis screening impact: a mathematical modeling study. *Sexually Transmitted Diseases*.

Earnest, R., Rönn, M., Zhu, L., Hsu, K., Chesson, H., Gift, T., Trikalinos, T.A., **Bellerose, M.**, Testa, C., Menzies, N.A., Malyuta, Y., Salomon, J.A. (2020). Population-level benefits of extragenital gonorrhea screening among men who have sex with men: an exploratory modeling analysis. *Sexually Transmitted Diseases*.

**Bellerose, M.**, Zhu, L., Hagan, L.M., Thompson, W.W., Randall, L.M., Malyuta, Y., Salomon, J.A., Linas, B.P. (2019). A review of network simulation models of hepatitis C and HIV among people who inject drugs. *International Journal of Drug Policy*.

Rönn, M., Testa, C., Tuite, A., Chesson, H., Gift, T., Shumacher, C., Lee, S., Zhu, L., **Bellerose, M.**, Earnest, R., Malyuta, Y., Trang, N., Robert, K., Hsu, K., Salomon, J.A., Menzies, N.A. (2019). The potential population-level impact of different gonorrhea screening strategies in Baltimore and San Francisco: an exploratory mathematical modeling analysis. *Sexually Transmitted Diseases*.

Rönn, M., Menzies, N.A., Gift, T., Chesson, H., Trikalinos, T.A., **Bellerose, M.**, Malyuta, Y., Berruti, A., Gaydos, C., Hsu, K., Salomon, J.A. (2019). Potential for point-of-care tests to reduce chlamydia associated burden in the United States: a mathematical modeling analysis. *Clinical Infectious Diseases*. DOI: 10.1093/cid519.

Menzies, N.A., Wolf, E., Connors, D., **Bellerose, M.**, Sbara, A.N., Cohen, T., Hill, A.N., Yaesoubi, R., Galer, K., White, P.J., Abubaker, I., Salomon, J.A. (2018). Progression from latent infection to active disease in dynamic tuberculosis transmission models: a systematic review of the validity of modeling assumptions. *Lancet Infectious Diseases*, 18(8), e228-e238.

#### *Under review*

**Bellerose, M.**, Alva, S., Magalona, S., Awoonor-Williams, K., Sacks, E. (2020). Supervision of community health nurses in Ghana: A mixed-methods study on experiences and expectations for improved performance.

**Bellerose, M.**, Awoonor-Williams, K., Alva, S., Magalona, S., Sacks, E. (2020). “Let me move to another level”: career advancement desires and opportunities for community health nurses in Ghana.

Rowell-Cunsolo, T.L., **Bellerose, M.**, Rahwa, H., Hart, C. (2020). Hazards of anti-blackness in the United States.

Rowell-Cunsolo, T.L., **Bellerose, M.**, Hart, C. (2020). Access to substance use treatment among formerly incarcerated individuals during the COVID era: potential challenges and strategies to overcome them.

Rowell-Cunsolo, T.L., **Bellerose, M.** (2020). Utilization of substance use treatment among adolescent and adult criminal justice involved individuals in the United States.

Rowell-Cunsolo, T.L., Hu, G., **Bellerose, M.**, Liu, J., Larson, E. (2020). Trends in comorbidities among HIV-infected hospital admissions in New York City.

Mendy, V., Rowell-Cunsolo, T.L, **Bellerose, M.**, Vargas, R., Zhang, L., Byambaa, E. (2020). Temporal trends in hypertension death rate in Mississippi, 2000-2018.

Mazzola, E., Rönn, M., Tuite, A., **Bellerose, M.**, Menzies, N. A., Parmigiani, G., Hsu, K., Gift, T., Chesson, H., Weinstock, H., Torrone, E., Kang, J., Salomon, J. A. Estimates of chlamydia and gonorrhea prevalence and incidence among United States men and women based on a Bayesian hierarchical model.

Earnest, R., Rönn, M., Zhu, L., Hsu, K., Chesson, H., Gift, T., **Bellerose, M.**, Testa, C., Menzies, N.A., Malyuta, Y., Berruti, A., Menon-Johansson, A.S., Salomon, J.A. (2020). Modeling the cost-effectiveness of express multi-site gonorrhea screening among men who have sex with men in the United States.

Mkuu, R., Montel-Ishino, F.A., **Bellerose, M.**, Rowell-Cunsolo, T.L. (2020). Intersectionality of factors associated with HIV risk behavior among formerly incarcerated Black drug offenders.

*In Preparation (complete draft available)*

**Bellerose, M.**, Whipkey, K., Copeland, D., Kade, K., Gogoi, A., Nguku, A., Sacks, E. Health and development demands from a global survey of one million women and girls: a feminist methodology and blueprint for action.

**Bellerose, M.**, Rowell-Cunsolo, T.L. Hypertension and cardiovascular disease among formerly incarcerated Americans: a call for inclusion and linkage to care

Li, Y., Tuite, A.R., Chesson, H.W., Gift, T.L, Trikalinos, T.A., Testa, C., **Bellerose, M.**, Hsu, K., Berruti, A., Malyuta, Y., Menzies, N.A., Salomon J.A., Rönn, M. Disparities in health and economic outcomes associated with *N. gonorrhoeae* infection in the United States: cost and quality-adjusted life-years lost over 2000-2015.

Staddegaard, L., Rönn, M., **Bellerose, M.**, Maheu-Girouz, M., Brisson, M., Dalal, S., Boily, M.C. Immunogenicity, safety and effectiveness of the HPV vaccine in people living with HIV (PLHIV): a systematic review and meta-analysis.

## HONORS AND AWARDS

### 5/2017 Spirit of Service Award

"Presented annually to a Bowdoin senior who embraces a genuine commitment to improving the lives of others through service, their actions speaking strongly while they remain humbly quiet."

### 5/2017 David I. Kertzer Prize

"Awarded each year for the best senior paper in the Department of Sociology."

### 5/2017 Colonel Edward A. Ryan Award

"Presented annually to a member of the women's track and field team who has distinguished herself through outstanding achievement and leadership during her athletic career at Bowdoin."

### 5/2017 Sarah and James Bowdoin Scholar

Given to the top 20 percent of students, as calculated by GPA.

### 2014 - 2017 9-time NESCAC All-Academic Team

Awarded to varsity athletes who have reached sophomore standing and have achieved a cumulative grade point average of 3.50 or greater.

**CERTIFICATIONS:** DONA trained birth doula

**SKILLS:** Stata, SAS, SPSS, R, Nvivo, Dedoose, Joinpoint, Microsoft Excel, survey design, grant writing