

# F. Hunter McGuire, MPH

## Curriculum vitae

### CONTACT INFORMATION

The Brown School  
Washington University in St. Louis  
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St. Louis, MO 63130

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Pronouns: he/him or they/them

### EDUCATION

#### Washington University in St. Louis

The Brown School

PhD, Public Health Sciences

Advisor: Alexis E. Duncan, PhD, MPH

Predoctoral Fellow, National Institute of Mental  
Health T32 Training Program in Mental Health  
Services Research

In Progress

Expected: May 2024

#### The University of North Carolina at Chapel Hill

Gillings School of Global Public Health

MPH, Health Behavior

Graduate Certificate in Survey Science

May 2020

#### The University of North Carolina at Chapel Hill

BA, Public Policy

Minor: Chinese Language

May 2016

### PEER-REVIEWED JOURNAL ARTICLES

*Sorted in Reverse Chronological Order*

- [11] Nagata, J.M., Compte, E.J., **McGuire, F.H.**, Lavender, J.M., Brown, T.A., Murray, S.B., Flentje, A., Capriotti, M.R., Lubensky, M.E., Lunn, M.R., & Obedin-Maliver, J. (2022). Psychometric validation of the Muscle Dysmorphic Disorder Inventory (MDDI) among transgender men. *Body Image*, 42, 43-49. <https://doi.org/10.1016/j.bodyim.2022.05.001>
- [10] Nagata, J.M., **McGuire, F.H.**, Lavender, J.M., Brown, T.A., Murray, S.B., Greene, R., Compte, E.J., Flentje, A., Lubensky, M.E., Obedin-Maliver, J., & Lunn, M.R. (2022). Appearance and performance-enhancing drugs and supplements, eating disorders, and muscle dysmorphia among gender minority people. *International Journal of Eating Disorders*, 55(5), 678-687. <https://doi.org/10.1002/eat.23708>
- [9] Nagata, J.M., **McGuire, F.H.**, Lavender, J.M., Brown, T.A., Murray, S.B., Compte, E.J., Flentje, A., Lubensky, M.E., Obedin-Maliver, J., & Lunn, M.R. (2022). Appearance and performance-enhancing drugs and supplements (APEDS) use: Lifetime use and associations with eating disorder and muscle dysmorphia symptoms among cisgender sexual minority people. *Eating Behaviors*, 44, 101595. <https://doi.org/10.1016/j.eatbeh.2022.101595>
- [8] Combs, T.B., Nelson, K.L., Luke, D.A., **McGuire, F.H.**, Cruden, G., Henson, R.M., Adams, D., Hoagwood, K., & Purtle, J. (2022). Simulating the role of knowledge brokers in policymaking in state agencies: An agent-based model. *Health Services Research*, 57(S1), 122-136. <https://doi.org/10.1111/1475-6773.13916>

- [7] **McGuire, F.H.**, Carl, A., Woodcock, L., Frey, L., Dake, E., Matthews, D.D., Russell, K., & Adkins, D. (2021). Differences in patient and parent reports of depression and anxiety symptoms in a clinical sample of transgender and gender diverse youth. *LGBT Health*, 8(6), 404-411. <https://doi.org/10.1089/lgbt.2020.0478>
- [6] Nagata, J.M., Compte, E.J., **McGuire, F.H.**, Lavender, J.M., Brown, T.A., Murray, S.B., Flentje, A., Capriotti, M.R., Lubensky, M.E., Lunn, M.R., & Obedin-Maliver, J. (2021). Community norms of the Muscle Dysmorphic Disorder Inventory (MDDI) among gender minority populations. *Journal of Eating Disorders*, 9(1), 87. <https://doi.org/10.1186/s40337-021-00442-4>
- [5] **McGuire, F.H.**, Andre, K., Bradsher, M.L., Harrison, D., Sterling, R.K., Reddy, K.R., Serper, M., Golin, C.E., Reau, N., Lim, J.K., Nelson, D.R., Sarkar, S., & Evon, D.M. (2021). Willingness to participate in health and medical research among Black patients with liver disease: a national cross-sectional study. *Journal of Viral Hepatitis*, 28(7), 982-993. <https://doi.org/10.1111/jvh.13493>
- [4] Swezey, T., **McGuire, F.H.**, Hurley, P., Panhuis, J., Goldstein, K., Chuck, T., Perry, B., Dombeck, C., Brennan, C., Phrsai, N., & Corneli, A. (2020). More than a box to check: sponsor and investigator perspectives on making GCP training relevant. *Contemporary Clinical Trials Communications*, 19, 100606. <https://doi.org/10.1016/j.conctc.2020.100606>
- [3] Rohner, E., **McGuire, F.H.**, Li, Q., Miele, K., Desai, S.A., Schmitt, J., Knittel, A., Nelson, J., Edelman, C., Sivaraman, V., Baker, A., Romocki, L.S., Rahangdale, L., & Smith, J.S. (2020). Racial and ethnic differences in acceptability of urine and cervico-vaginal sample self-collection for HPV-based cervical cancer screening. *Journal of Women's Health*, 29(7), 971-979. <https://doi.org/10.1089/jwh.2019.8132>
- [2] Perry, B., Geoghegan, C., Lin, L., **McGuire, F.H.**, Nido, V., Grabert, B., Morin, S.L., Hallinan, Z.P., & Corneli, A. (2019). Patient preferences for using mobile technologies in clinical trials. *Contemporary Clinical Trials Communications*, 15, 100399. <https://doi.org/10.1016/j.conctc.2019.100399>
- [1] Vulimiri, M., Saunders, R., Bleser, W., Madanay, F., Moseley, C., **McGuire, F.H.**, Ubel, P., McKethan, A., McClellan, M., & Wong, C. (2019). Engaging beneficiaries in Medicaid programs that incentivize health promoting behaviors. *Health Affairs*, 38(3), 431-439. <https://doi.org/10.1377/hlthaff.2018.05427>

**JOURNAL  
ARTICLES  
UNDER REVIEW**

- Zhong, Y., **McGuire, F.H.**, Duncan, A.E. (Revise/resubmit). Who is trying to lose weight? Trends and prevalence in past-year weight loss attempts among US adults 1999-2018 at the intersection of race/ethnicity, gender, and weight status.
- McGuire, F.H.**, Goldbach, J.T., Senese IV, J.G., Cabrera Jr., J.R., Schragger, S.M., & Duncan, A.E. (Revise/resubmit). The impact of homonegative school climate on body dysmorphic disorder symptoms in a national sample of sexual minority adolescents.

**CONFERENCE  
PROCEEDINGS**

*Sorted in Reverse Chronological Order*

- [12] **McGuire, F.H.**, Beccia, A.L., Peoples, J., & Duncan, A.E. (2022, Nov. 6-9). *Eating disorders and mental health service use at the intersection of race/ethnicity, gender identity, and sexual orientation: Findings from the Healthy Minds Study 2020-2021* [Oral presentation]. American Public Health Association 2022 Annual Meeting & Expo, Boston, MA.
- [11] Peoples, J., **McGuire, F.H.**, Duncan, A.E., Baiden, P., Szlyk, H.S., & Butler-Barnes, S. (2022, Nov. 6-9). *Examining co-occurring depression and vaping among Black college students at the intersection of sexual orientation and gender identity: Findings from the 2018-2019 Healthy Minds Study* [Oral presentation]. American Public Health Association 2022 Annual Meeting & Expo, Boston, MA.
- [10] **McGuire, F.H.** & Duncan, A.E. (2022, Sep. 15-17). *Exploring intervention opportunities to increase mental health service use among college-enrolled men with eating disorders: A system dynamics modeling approach* [Poster]. Eating Disorders Research Society 28<sup>th</sup> Annual Meeting, Philadelphia, PA.
- [9] Duncan, A.E., Zhong, Y., & **McGuire, F.H.** (2022, Sep. 15-17). *Weight loss behaviors in US men and women with past 12-month weight loss attempts, 1999-2018* [Poster]. Eating Disorders Research Society 28<sup>th</sup> Annual Meeting, Philadelphia, PA.
- [8] Purtle, J. & **McGuire, F.H.** (2022, Aug. 2-3). *Mental health policymaking in state agencies: Simulating the role of knowledge brokers with an agent-based model* [Oral presentation]. 25th NIMH Conference on Mental Health Services Research, Virtual.
- [7] **McGuire, F.H.**, Beccia, A.L., & Duncan, A.E. (2022, Jul. 29-30). *Past-year major depression at the intersection of race/ethnicity, gender, and sexual orientation: Findings from the National Survey on Drug Use and Health 2015-2020* [Oral presentation]. National LGBTQ Health Conference, Chicago, IL.
- [6] Fan, Y., Smith, H., **McGuire, F.H.**, López, J., & Duncan, A.E. (2022, Jul. 29-30). *Sexual identity, body mass index, and weight perception in a nationally representative sample of U.S. adult women* [Poster]. National LGBTQ Health Conference, Chicago, IL.
- [5] **McGuire, F.H.**, Goldbach, J.T., Schrager, S.M., Senese IV, J.G., & Duncan, A.E. (2022, Jun. 9-11). *Exploring the relationship between homonegative school climate and body dysmorphic disorder symptoms in a national sample of sexual minority adolescents* [Oral presentation]. International Conference on Eating Disorders, Virtual. **\*Top-scoring oral presentation abstract (student, trainee, or early career)**
- [4] **McGuire, F.H.**, Fan, Y., & Duncan, A.E. (2021, Jun. 10). *Sexual identity diversity and weight-related concerns among adult men in the 2009 – 2016 National Health and Nutrition Examination Survey* [Poster]. International Conference on Eating Disorders, Virtual.
- [3] **McGuire, F.H.**, Andre, K., & Evon, D.M. (2020, Feb. 28). *Willingness to participate in research and barriers/facilitators to participation among Black patients with HCV* [Poster]. Truth to Power - Exercising Political Voice to Achieve Health Equity, 41st Annual Minority Health Conference, Chapel Hill, NC.

- [2] Moseley, C., Vulimiri, M., Saunders, R., Bleser, W., Madanay, F., **McGuire, F.H.**, Perrin, E., Armstrong, S., Ubel, P., McKethan, A., McClellan, M., & Wong, C. (2018, Jun. 25). *Gift cards for well checks: what are Medicaid and CHIP programs doing to incentivize healthy behaviors in children?* [Oral presentation]. 35th Academy Health Annual Research Meeting, Seattle, WA.
- [1] Wong, C., Vulimiri, M., Saunders, R., Bleser, W., Madanay, F., Moseley, C., **McGuire, F.H.**, Ubel, P., McKethan, A., & McClellan, M. (2018, Jun. 25). *Medicaid incentives to encourage healthy behaviors: what are key challenges and best practices for implementation and evaluation?* [Oral presentation]. 35th Academy Health Annual Research Meeting, Seattle, WA.

## INVITED TALKS & GUEST LECTURES

- Combs, T.B., Luke, D.A., Purtle, J., & **McGuire, F.H.** (2022, Mar. 29). *Using Systems Science Methods to Improve the Use of Research Evidence in Policymaking*. Prevention Science and Methodology Group, Northwestern University Feinberg School of Medicine, Chicago, IL.
- McGuire F.H.** (2022, Feb. 28). *Analysis of public health data with a complex sample survey design*. Statistics Lunch & Learn Series, Brown School at Washington University in St. Louis, St. Louis, MO. Materials available at: <https://github.com/fhmcguire/NSDUH-complex-sample-analysis-tutorial>
- McGuire, F.H.** (2022, Jan. 4). *Eating disorders and body image concerns among LGBTQ+ people: Historical perspectives, recent research, and future directions*. University of Southern California Center for LGBTQ+ Health Equity, Los Angeles, CA.

## HONORS & AWARDS

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|---|------|
| <b>Top-Scoring Oral Presentation Abstract</b> (student, trainee, or early career), International Conference on Eating Disorders | 2022 |
| <b>1<sup>st</sup> Place Oral Presentation Award</b> (student), National LGBTQ Health Conference                                 | 2022 |
| <b>Registration and Lodging Scholarship</b> , National LGBTQ Health Conference  | 2022 |
| <b>Student/Early Career Travel Fellowship</b> , International Conference on Eating Disorders                                    | 2022 |
| <b>RSH Scholarship</b> , Academy for Eating Disorders   | 2021 |
| <b>Responsive Survey Design Scholarship</b> , University of Michigan Institute for Social Research                              | 2020 |
| <b>Jo Anne L. Earp Conference Travel Award</b> , University of North Carolina Department of Health Behavior                     | 2019 |
| <b>Health Behavior Practicum Award</b> , University of North Carolina Department of Health Behavior                             | 2019 |
| <b>Summer Study Abroad Fellowship</b> , University of North Carolina at Chapel Hill   | 2013 |

## RESEARCH EXPERIENCE

**Graduate Research Assistant**, Center for Public Health Systems Science, The Brown School, Washington University in St. Louis (Advisors: Todd Combs, PhD & Douglas Luke, PhD)

May 2021 – present  
St. Louis, MO

**Graduate Research Assistant**, Department of Health Behavior, UNC Gillings School of Global Public Health (Advisor: Derrick D. Matthews, PhD, MPH)

Dec. 2018 – May 2020  
Chapel Hill, NC

**Graduate Research Intern**, Center for Gastrointestinal Biology and Disease, UNC School of Medicine (Advisor: Donna M. Evon, PhD)

May 2019 – Aug. 2019  
Chapel Hill, NC

**Research Assistant**, Duke Clinical Research Institute, Duke University School of Medicine (Advisor: Amy Corneli, PhD, MPH)

Jun. 2016 – Aug. 2018  
Durham, NC

## TEACHING EXPERIENCE

**Washington University in St. Louis**  
*Teaching Assistant*

Health Economics  
Introduction to Epidemiology  
Public Mental Health

Spring 2022  
Fall 2021  
Spring 2021

**The University of North Carolina at Chapel Hill**  
*Teaching Assistant*

The Politics of Public Policy

Spring & Fall 2019

## ACTIVITIES

**Professional Memberships**

Society for Epidemiologic Research  
Academy for Eating Disorders  
LGBT Caucus of Public Health Professionals  
American Public Health Association

2021 – present  
2020 – present  
2019 – present  
2017 – present