

Samia TASNIM

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SUMMARY

Doctorate in Public Health (DrPH) with expertise in **women's, adolescent, and reproductive health** using the life course framework. Experienced in **quantitative methods, evidence synthesis, and data-driven outcomes research to evaluate health behaviors, public health interventions, and health disparities**. Interested in incorporating emerging technologies (AI/ML) into health data to design scalable community-based interventions.

EDUCATION

Doctor of Public Health, DEPARTMENT OF HEALTH BEHAVIOR, *2025*
Texas A&M University, College Station, TX

- Dissertation: Social Determinants and Mental Health Care Treatment Utilization: A Focus on Social Capital and Reproductive-Aged Women in the U.S.
- Committee: James N. Burdine (Chair), E. Lisako Jones McKyer, Ping Ma, Robin L. Page

Master of Public Health, DEPARTMENT OF HEALTH BEHAVIOR, *2020*
Texas A&M University, College Station, TX

Bachelor of Medicine, Bachelor of Surgery (MD Equivalent), *2016*
University of Dhaka, Dhaka, Bangladesh

RESEARCH EXPERIENCE

Graduate Research Assistant, *Aug. 2020 - Dec. 2025*
Texas A&M University, Center for Community Health and Aging (CCHA)

- Project: Improving Preconceptional Health among Adolescents
 - Supported data management and analysis for research and reporting
 - Assisted in preparation, revision and submission of six academic journal articles
 - Principal Investigator: Kobi V. Ajayi
- Project: Primary Prevention of Sexual Violence, Rape Prevention and Education (RPE)
 - Contributed to development and implementation of evaluation plan and logic model
 - Development survey instruments and interview guides for data collection process
 - Conducted analysis of survey data and prepared findings for use in reports and publications
 - Prepared quarterly and annual reports for the CDC reporting
 - Developed materials for six conference presentations and four peer-reviewed journal articles
 - Assisted in preparing documentation and supporting materials for application for grant renewal application
 - Principal Investigators: E. Lisako Jones McKyer and Heather Clark
- Project: Brazos Valley Community Needs Assessment
 - Engaged with diverse stakeholders and community members to facilitate data collection activities
 - Assisted in data collection, data management and final report writing
 - Principal Investigator: James N. Burdine

Program Aide, Texas A&M AgriLife Extension Service, Jun. - Dec. 2022

- Led a research project aimed at assessing the food environment on the Texas A&M campus, focusing on enhancing access to healthy food for undergraduate students
- Utilized specialized tools to identify barriers to accessing healthy food and provided recommendations for improvement
- Supervised and mentored two undergraduate students, overseeing their contributions to project-related tasks and activities
- Compiled and analyzed data to prepare a comprehensive report detailing findings and suggested strategies for increasing food accessibility on campus

Practicum Trainee, Brazos County Health District, May - Dec. 2019

- Project on Worksite Wellness focusing on promoting healthy eating and physical exercise
- Developed assessment tools to evaluate baseline health behaviors and employees' willingness to engage in office-based wellness activities
- Analyzed survey data, contributed to report preparation, and provided actionable recommendations for future initiatives

Project Researcher, Initiative for Non-Communicable Diseases (INCD), Dec. 2017 - Aug. 2018
International Center for Diarrhoeal Disease Research (icddr,b)

- Project on Autism Spectrum Disorder (ASD) among urban population in Bangladesh
- Conducted literature review, contributed in development of research proposal enhancing funding opportunities, collected and analyzed qualitative data

Primary Care Physician, Upshom Health Point, Jun. 2017 - Nov. 2017

- Managed and monitored chronic diseases, ensuring effective treatment plans and outcomes
- Collaborated with specialists to deliver comprehensive, patient-centered care for chronic disease management

Intern Doctor, Shahabuddin Medical College and Hospital, Jun. 2016 - May 2017

- Completed rotational placement in department of Medicine, Surgery, and Gynaecology
- Managed patients, provided drug prescription and followups, and prepared summary reports

SELECTED PUBLICATIONS

Peer-Reviewed

1. **Tasnim, S.**, Hossain, M. M., & Mazumder, H. (2020). Impact of rumors and misinformation on COVID-19 in social media. *Journal of preventive medicine and public health*, 53(3), 171-174. Available online: <https://www.jpmp.org/journal/view.php?doi=10.3961/jpmp.20.094>
2. Hossain, M. M., **Tasnim, S.**, Sultana, A., Faizah, F., Mazumder, H., Zou, L., ... & Ma, P. (2020). Epidemiology of mental health problems in COVID-19: a review. *F1000Research*, 9. Available online: <https://pmc.ncbi.nlm.nih.gov/articles/PMC7549174/>
3. Sultana, A., **Tasnim, S.**, Hossain, M. M., Bhattacharya, S., & Purohit, N. (2021). Digital screen time during the COVID-19 pandemic: a public health concern. *F1000Research*, 10, 81. Available online: <https://f1000research.com/articles/10-81>
4. Hossain, M.M., Saha, N., Rodela, T.T., **Tasnim, S.**, Nuzhath, T., Roy, T.J., Burdine, J. N., Ahmed, H.U., Mckyer, E. L.J., & Basu, B.K. (2022). Global research on syndemics: a meta-knowledge analysis (2001-2020). *F1000Research*, 11(253),253. Available online: <https://doi.org/10.12688/f1000research.74190.1>

5. Hossain, M. M., Nesa, F., Das, J., Aggad, R., **Tasnim, S.**, Bairwa, M., ... & Ramirez, G. (2022). Global burden of mental health problems among children and adolescents during COVID-19 pandemic: an umbrella review. *Psychiatry Research*, 317, 114814. Available online: <https://pubmed.ncbi.nlm.nih.gov/36055064/>
6. Hossain, M. M., Sultana, A., **Tasnim, S.**, Fan, Q., Ma, P., McKyer, E. L. J., & Purohit, N. (2020). Prevalence of mental disorders among people who are homeless: An umbrella review. *International Journal of Social Psychiatry*, 66(6), 528-541. Available online: <https://journals.sagepub.com/doi/abs/10.1177/0020764020924689>
7. Hossain, M. M., Rahman, M., Trisha, N. F., **Tasnim, S.**, Nuzhath, T., Hasan, N. T., Clark, H., Das, A., McKyer, E.L.J., Ahmed, H.U. & Ma, P. (2021). Prevalence of anxiety and depression in South Asia during COVID-19: a systematic review and meta-analysis. *Heliyon*, 7(4), e06677. Available online: [10.1016/j.heliyon.2021.e06677](https://doi.org/10.1016/j.heliyon.2021.e06677)
8. Hossain, M. M., Das, J., Rahman, F., Nesa, F., Hossain, P., **Tasnim, S.**, ... & Ramirez, G. (2023). Living with “long COVID”: A systematic review and meta-synthesis of qualitative evidence. *PloS one*, 18(2), e0281884. Available online: <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0281884>
9. Ajayi, K. V., Joseph-Williams, E., Anapu, S. K., Bhatti, A., Lau, K., **Tasnim, S.**, & Page, R. (2025). “I Feel Like a Lot of Black Women Don’t Seek Preconception Health.” Qualitative Findings of Preconception Health among Young Black Women in the United States. *Journal of Racial and Ethnic Health Disparities*, 1-12.
10. Wilson, K. L., Flores, S., Oluwatofunmi, B. A., **Tasnim, S.**, Garney, W. R., & Ajayi, K. V. (2026). Understanding healthcare autonomy among adolescents and young adults in the United States: A scoping review. *Frontiers in Health Services*, 5, 1720972. Available online: <https://www.frontiersin.org/journals/health-services/articles/10.3389/frhs.2025.1720972/full>

Under Review

1. **Tasnim, S.**, Joseph-Williams, E., Lau, k., Page, R., Anapu, S., K., Ghatti, A., & Ajayi, K. V. “There’s comfort in seeing a person filming their story.” Understanding the Role of Media and Black Maternal Health.
2. **Tasnim, S.**, Myint, W.W., Burdine N, J., Page, R., Ma, P., & McKyer, E. L.J. Exploring social determinants of mental health treatment access and utilization among reproductive-aged women in the US: Results from 2015-2019 NSDUH Survey.
3. **Tasnim, S.**, Burdine N, J., Page, R., Ma, P., Hossain, M.M., & McKyer, E. L.J. Social Capital based mental health interventions: A Systematic Review.
4. Nuzhath, T., **Tasnim, S.**, Sanjwal, R.K., Trisha, N.F., Rahman, M., Mahmud, S.F., Arman, A., Chakraborty, S., & Hossain, M.M. COVID-19 vaccination hesitancy, misinformation and conspiracy theories on social media: A content analysis of Twitter data.

CONFERENCE PRESENTATIONS AND POSTERS

1. **Tasnim, S.**, Myint, W.W., Ma, P., & McKyer, E. L.J. Social determinants of mental health treatment access and utilization among reproductive-aged women in the US. Presented at the American Academy of Health Behavior Annual Conference, March 16-19, 2025, San Diego, CA.
2. Myint, W. W., Nguyen, A., Ma, P., **Tasnim, S.**, Chimuanya, O., & Smith, M. L. Social determinants of poor mental health among U.S. female survivors of childhood sexual abuse. Presented at the Society of Behavioral Medicine Annual Conference, March 26-29, 2025, San Francisco, CA.
3. **Tasnim S.**, Steele J., Darugar R., Jalal A., Mujibuddin S., ... Ma P. Nature Based Interventions for Psychosocial Health and Well-being of Older Adults: A Systematic Review.. American Public Health Association Annual Meeting and Expo. October 2022

4. Purohit B., Samman E., **Tasnim S.**, Burdine J., Clark H. The Relationship Between Food Insecurity and Mental Distress in the Brazos Valley: A Cross-Sectional Study. American Public Health Association Annual Meeting and Expo. October 2022
5. Osuji C.P., Uyamasi K., **Tasnim S.**, & McKyer, E.L.J. Association between employment status and mental distress among US adults: findings from the 2020 BRFSS survey. Poster presented at the American Academy of Health Behavior Annual Meeting. March 2022.
6. **Tasnim, S.**, Nabil, A.K., Hossain, M.M., Nuzhath, T., Ma, P., & McKyer, E.L.J. Rural-urban differences and predictors of depressive disorder among US adults: Results from the behavioral risk factor surveillance system, 2019. Poster presented at the American Public Health Association Annual Meeting and Expo. October 2021. (virtual)
7. Nuzhath, T., **Tasnim, S.**, Sanjwal, R.K., Trisha, N.F., Rahman, M., Mahmud, S.F., Arman, A., Chakraborty, S. & Hossain, M.M. COVID-19 vaccination hesitancy, misinformation and conspiracy theories on social media: A content analysis of Twitter data. 2021. Poster presented at the Academy Health Annual Research Meeting. June 2021 (virtual).
8. Hossain, M.M., **Tasnim, S.**, Arman, A., Sarwar, S.A., Paromita, P., Nath, N. D., Fan, Q., Nuzhath, T., Ma, P., & McKyer, E.L.J. Applications of artificial intelligence technologies in opioid research and practice: An evidence-based systematic review. Poster presented at the American Public Health Association Annual Meeting and Expo, October 2020. (virtual).
9. Hossain, M.M., **Tasnim, S.**, Rahman, M., Chakraborty, S., Nuzhath, T., Fan, Q., Ma, P., & McKyer, E. L.J. Interventions for preventing female genital mutilation/cutting: An umbrella review and realist synthesis of global evidence. Poster presented at the American Public Health Association Annual Meeting and Expo, October 2020. (virtual).
10. **Tasnim S.**, Najneen S., Mishu S.H., Hasan N.N., ..., Hossain M.M. Barriers to ethical decision- making on cesarean section in South Asia: a systematic review. Poster presented at the 7th Global Health Conference, March 2019.

TEACHING AND MENTORSHIP EXPERIENCE

Guest Lecturer, *Spring 2022*

Texas A&M University, Department of Health Behavior

- “Introduction to Public Health Surveillance”
- “Evidence-based public health and applications”

Project Mentor, Texas A&M AgriLife Extension, *Jun. - Dec. 2022*

- Junchen Zhao, Undergraduate Student Worker
- Molly Klussmann, Undergraduate Student Worker

SERVICE

Research Coordinator, *2021-2022*

Texas A&M University, Maternal and Child Health Organization (MCHSO)

- Role: Mentoring undergraduate and graduate students to develop their understanding of research
- Methodology: providing hands-on experience in conducting literature reviews related to MCH; support independent research activity of students

Ambassador in Training, *2019-2022*

Texas A&M University, School of Public Health - Health and Wellness

- Role: Provide peer mentoring to develop understanding of research methodology

Facilitator, 2019-2022

Texas A&M University, Student Health Promotion, “Sex in the Dark” Education Program

- Role: Deliver evidence-based education on sexual and reproductive health to undergraduate students using innovative approaches.

Journal Reviewer

- International Journal of Environmental Research and Public Health, 2023-2025
- Eastern Mediterranean Health Journal, 2022
- Plos 1, 2022
- American Journal of Preventive Medicine, 2022-2023

HONORS AND AWARDS

- Don L. Strickland Community Health Development Scholarship, Texas A&M University, 2023.
- School of Public Health Travel Scholarship, Texas A&M University, 2022.
- School of Public Health Travel Scholarship, Texas A&M University, 2019.

GRANTS

- Project Title: Rape Prevention and Education (RPE) Evaluation
 - Role: Research Assistant
 - PI: Lisako McKyer
 - Funding Source: Texas Office of Attorney General
 - Project Dates: : 2/1/2024-1/31/2025
 - Total Funding: \$532,245
- Project Title: Rape Prevention and Education (RPE) Evaluation
 - Role: Research Assistant
 - PI: Lisako McKyer
 - Funding Source: Texas Office of Attorney General
 - Project Dates: 2/1/2023-1/31/2024
 - Total Funding: \$300,000
- Project Title: Rape Prevention and Education (RPE) Evaluation
 - Role: Research Assistant
 - PI: Lisako McKyer
 - Funding Source: Texas Office of Attorney General
 - Project Dates: 2/1/2022-1/31/2023
 - Total Funding: \$427,949

ADDITIONAL INFORMATION

Skills:

- **Expertise:** Systematic Review, Program Planning and Evaluation, Survey Designing, Quantitative Data Analysis, Proposal Writing
- **Tools:** R, STATA, SAS, NVivo, Microsoft Word, Excel, PowerPoint

Training and Certifications:

- Completed Certified Training in Undergraduate/Graduate Teaching Academy for Future Faculty, Center for the Integration of Research, Teaching, & Learning Texas A&M University

Professional Membership:

- American Public Health Association
- American Academy of Health Behavior
- American Society of Tropical Medicine and Hygiene

US Employment Eligibility:

- US Permanent Resident, Citizen of Bangladesh.

Socials:

- LinkedIn: <https://www.linkedin.com/in/samiatasnim53/>
- Google Scholar: <https://scholar.google.com/citations?user=3hiNUccAAAAJ&hl=en>
- ResearchGate: <https://www.researchgate.net/profile/Samia-Tasnim>

REFERENCES

- Dr. E. Lisako J. McKyer
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- Dr. James N. Burdine
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- Dr. Ping Ma
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- Dr. Robin L. Page
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- Dr. Kobi V. Ajayi
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- Dr. M. Mahbub Hossain
Assistant Professor
Department of Health Systems and Population Health Sciences
Department of Decision and Information Science
University of Houston
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