

BOSTON COLLEGE
WILLIAM F. CONNELL SCHOOL OF NURSING
140 Commonwealth Ave.
Chestnut Hill, MA 02467

CURRICULUM VITAE

Nadia N. Abuelezam, ScD

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EDUCATION:

2014-2016	Postdoc	Harvard T.H. Chan School of Public Health (Epidemiology)
2014	ScD	Harvard T.H. Chan School of Public Health (Epidemiology)
2009	B.S.	Harvey Mudd College (Mathematical Biology)

PROFESSIONAL EXPERIENCE:

Academic Faculty Appointments:

2016 –	Assistant Professor, Boston College, William F. Connell School of Nursing
2015	Adjunct Instructor, Boston College, School of Social Work
2014	Adjunct Instructor, Boston College, William F. Connell School of Nursing

Appointments at Hospitals / Affiliated Institution:

2016 –	Visiting Scientist, Harvard T.H. Chan School of Public Health, Boston, MA
2011-2013	Data Analyst/Consultant, Fenway Community Health Center, Boston, MA

HONORS AND AWARDS:

2021	2021 Emerging Scholar, Diverse Issues in Higher Education
2019	Mentorship Award, Boston College CSON Keys to Inclusive Leadership in Nursing Program, Chestnut Hill, MA
2018	Excellence in Teaching and Clinical Research, Boston College William F. Connell School of Nursing, Chestnut Hill, MA
2012-2013	Department of Epidemiology Teaching Award, Harvard T.H. Chan School of Public Health, Boston, MA
2011-2012	Department of Epidemiology Teaching Award, Harvard T.H. Chan School of Public Health, Boston, MA
2009	Chavin Prize – Best Mathematics Paper – Department of Mathematics, Harvey Mudd College, Claremont, CA
2009	Brandenberger Biology Prize, Department of Biology, Harvey Mudd College, Claremont, CA
2009	Stavros Busenburg Prize in Applied Mathematics– Department of Mathematics, Harvey Mudd College, Claremont, CA

PROFESSIONAL SOCIETIES:

- 2017 – American Public Health Association (APHA), Interdisciplinary Association for Population Health Sciences (IAPHS)
- 2016 – Arab American Studies Association (AASA), Member at Large (2018-2021)
- 2014 – Society for Epidemiologic Research, Diversity and Inclusion Committee Co-Chair (2019-)

PUBLICATIONS:

Refereed Articles (*original data-based research; undergraduate and graduate student authors underlined; specific authorship role in brackets when not 1st author)

- *White BP, **Abuelezam NN**, Fontenot HB, Jurgens C. (2021). Exploring relationships between state-level LGBTQ equality and BRFSS indicators of mental health and risk behaviors: A secondary analysis. *Journal of the American Psychiatric Nurses Association*, (In Press). [**Methodologist, Analyst, Dissertation Mentor**]
- ***Abuelezam NN**, Greenwood K, Al-Ani M, Galea S, Al-Naser R. (2022). Risk factors for COVID-19 positivity and hospital admission among Arab Americans in Southern California. *Public Health Reports*, (In Press).
- ***Abuelezam, N.N.**, El-Sayed, A.M., Galea, S., & Gordon, N.P. (2022). Differences in health characteristics of geographic subgroups of Arab Americans in a Northern California health plan. *Journal of racial and ethnic health disparities*, 9 (2), 399-405. <https://doi.org/10.1007/s40615-021-00970-4>
- Awad GH, **Abuelezam NN**, Ajrouch KJ, and Stiffler MJ. (2022). Lack of Arab or Middle Eastern and North African Health Data Undermines Assessment of Health Disparities. *American Journal of Public Health*, 112, 209-212. <https://doi.org/10.2105/AJPH.2021.306590> [**Second Author, Epidemiology Expert**]
- ***Abuelezam NN**, Cuevas A, Galea S, Hawkins SS. (2022). Contested racial identity and the health of women and their infants. *Preventive Medicine*, 155 (2022), 106965. <https://doi.org/10.1016/j.ypmed.2022.106965>
- *Fontenot HB, Mattheus DB, Lim E... **Abuelezam NN**... Zimet G. (2021). Undergraduate nursing students' COVID-19 vaccine intentions: A national survey. *PLoS One*, 16(12), e0261669. <https://doi.org/10.1371/journal.pone.0261669> [**Methodologist, Epidemiology Expert**]
- *Abouhala, S, Hamidaddin A, Taye M... **Abuelezam NN**. (2021). A national survey assessing COVID-19 vaccine hesitancy among Arab Americans. *Journal of Racial and Ethnic Health Disparities*, 1-9. <https://doi.org/10.1007/s40615-021-01158-6> [**Methodologist, Mentor, Senior Author**]
- *Cuevas, AG, Greatorex-Voith, S, **Abuelezam NN**, Assari, S. Educational mobility and telomere length in middle-aged and older adults: Testing three alternative hypotheses.

- Biodemography and Social Biology*, (In Press). [**Methodologist, Epidemiology Expert**]
- *Cuevas, AG, **Abuelezam NN**, Chan SW, Carvalho K, Flores C, Wang K, Mtei J, Tucker KL, Falcon LM. Skin tone, discrimination, and allostatic load in middle-aged and older Puerto Ricans. *Psychosomatic Medicine*, 83(7), 805-812. doi:10.1097/PSY.0000000000000969 [**Methodologist, Epidemiology Expert**]
- *Michel A, Ryan N, Mattheus D, Knopf A, **Abuelezam NN**... Fontenot HB. (2021). Undergraduate nursing students' perceptions on nursing education during the 2020 COVID-19 pandemic: A national sample. *Nursing Outlook*, 69(5), 903-912. <https://doi-org.proxy.bc.edu/10.1016/j.outlook.2021.05.004> [**Investigator, COVID-19/Infectious Disease Epidemiology Expert**]
- ***Abuelezam N.N.**, El-Sayed, A.M., Galea, S., & Gordon, N.P. (2021). Understanding differences within ethnic group designation: Comparing risk factors and health indicators between Iranian and Arab Americans in Northern California. *BMC Public Health*, 21(1), 1-8. <https://doi.org/10.1186/s12889-021-11121-z>
- ***Abuelezam N.N.**, El-Sayed, A.M., Galea, S., & Gordon, N.P. (2021). Health Risks and Chronic Health Conditions among Arab Americans and White Adults in Northern California. *Ethnicity & disease*, 31(2), 235-242. <https://doi-org.proxy.bc.edu/10.18865/ed.31.2.235>
- *Allen, J. D., **Abuelezam, N. N.**, Rose, R., & Fontenot, H. B. (2021). Factors associated with the intention to obtain a COVID-19 vaccine among a racially/ethnically diverse sample of women in the USA. *Translational behavioral medicine*, 11(3), 785–792. <https://doi-org.proxy.bc.edu/10.1093/tbm/ibab014> [**Methodologist and Analyst**]
- *Jungquist, R. M., & **Abuelezam, N. N.** (2021). Disparities in influenza vaccination: Arab Americans in California. *BMC public health*, 21(1), 443. <https://doi-org.proxy.bc.edu/10.1186/s12889-021-10476-7> [**Senior Arab American Health Expert, Methodologist, Analyst, Undergraduate Research Advisor**]
- ***Abuelezam, N. N.**, Cuevas, A. G., El-Sayed, A. M., Galea, S., & Hawkins, S. S. (2021). Infant Health for Arab and Non-Arab Mothers Identifying as White, Black, or Other in Massachusetts. *American journal of preventive medicine*, 60(1), 64–71. <https://doi-org.proxy.bc.edu/10.1016/j.amepre.2020.06.032>
- ***Abuelezam, N. N.**, & El-Sayed, A. M. (2021). Objective and subjective poor mental health indicators among Arab Americans in Michigan: a population-based study. *Ethnicity & health*, 26(2), 225–234. <https://doi-org.proxy.bc.edu/10.1080/13557858.2018.1494822>
- ***Abuelezam, N. N.**, Castro Samayoa, A., Dinelli, A., & Fitzgerald, B. (2020). Naming racism in the public health classroom. *PloS one*, 15(12), e0243560. <https://doi-org.proxy.bc.edu/10.1371/journal.pone.0243560> [**Note: Dinelli and Fitzgerald are Undergraduate Research Fellows**]
- ***Abuelezam, N. N.**, Cuevas, A. G., Galea, S., & Hawkins, S. S. (2020). Maternal Health Behaviors and Infant Health Outcomes Among Arab American and Non-Hispanic White

- Mothers in Massachusetts, 2012-2016. *Public health reports (Washington, D.C. : 1974)*, 135(5), 658–667. <https://doi-org.proxy.bc.edu/10.1177/0033354920941146>
- ***White, B. P., Abuelezam, N. N., Dwyer, A. A., & Fontenot, H. B.** (2020). A sexual health course for advanced practice registered nurses: Effect on preparedness, comfort, and confidence in delivering comprehensive care. *Nurse education today*, 92, 104506. <https://doi-org.proxy.bc.edu/10.1016/j.nedt.2020.104506> [**Methodologist, Analyst, Dissertation Mentor**]
- ***DeVilbiss, E. A., Weuve, J., Fink, D. S., Morris, M. D., Arah, O. A., Radoc, J. G., Datta, G. D., Abuelezam, N. N., Lopez, D. S., Johnson, D. A., Branas, C. C., & Schisterman, E. F.** (2020). Assessing Representation and Perceived Inclusion among Members in the Society for Epidemiologic Research. *American journal of epidemiology*, kwz281. Advance online publication. <https://doi-org.proxy.bc.edu/10.1093/aje/kwz281> [**Methodologist**]
- ***Fontenot, H. B., Abuelezam, N. N., Rosenberger, J. G., Novak, D., Mayer, K. H., & Zimet, G.** (2020). The Impact of Advertisement Messaging on Enrollment of Young Men Who Have Sex With Men for Web-Based Research: Observational Study. *Journal of medical Internet research*, 22(1), e16027. <https://doi-org.proxy.bc.edu/10.2196/16027> [**Methodologist and Analyst**]
- ***Abuelezam, N. N., El-Sayed, A. M., & Galea, S.** (2019). Relevance of the "Immigrant Health Paradox" for the Health of Arab Americans in California. *American journal of public health*, 109(12), 1733–1738. <https://doi-org.proxy.bc.edu/10.2105/AJPH.2019.305308>
- ***Abuelezam, N. N., Reshef, Y. A., Novak, D., Grad, Y. H., Seage Iii, G. R., Mayer, K., & Lipsitch, M.** (2019). Interaction Patterns of Men Who Have Sex With Men on a Geosocial Networking Mobile App in Seven United States Metropolitan Areas: Observational Study. *Journal of medical Internet research*, 21(9), e13766. <https://doi-org.proxy.bc.edu/10.2196/13766>
- ***Abuelezam, N. N., El-Sayed, A. M., & Galea, S.** (2019). Differences in health behaviors and health outcomes among non-Hispanic Whites and Arab Americans in a population-based survey in California. *BMC public health*, 19(1), 892. <https://doi-org.proxy.bc.edu/10.1186/s12889-019-7233-z>
- ***Abuelezam, N. N., McCormick, A. W., Surface, E. D., Fussell, T., Freedberg, K. A., Lipsitch, M., & Seage, G. R.** (2019). Modelling the epidemiologic impact of achieving UNAIDS fast-track 90-90-90 and 95-95-95 targets in South Africa. *Epidemiology and infection*, 147, e122. <https://doi-org.proxy.bc.edu/10.1017/S0950268818003497>
- ***Abuelezam, N. N., El-Sayed, A. M., & Galea, S.** (2018). The Health of Arab Americans in the United States: An Updated Comprehensive Literature Review. *Frontiers in public health*, 6, 262. <https://doi-org.proxy.bc.edu/10.3389/fpubh.2018.00262>
- Abuelezam, N. N., & Fontenot, H. B.** (2017). Depression Among Arab American and Arab Immigrant Women in the United States. *Nursing for women's health*, 21(5), 395–399. <https://doi-org.proxy.bc.edu/10.1016/j.nwh.2017.08.003>

- *McCormick, A. W., **Abuelezam, N. N.**, Fussell, T., Seage, G. R., 3rd, & Lipsitch, M. (2017). Displacement of sexual partnerships in trials of sexual behavior interventions: A model-based assessment of consequences. *Epidemics*, 20, 94–101. <https://doi-org.proxy.bc.edu/10.1016/j.epidem.2017.03.007> [**Mathematical Modeling Expert, Methodologist**]
- ***Abuelezam, N. N.**, McCormick, A. W., Fussell, T., Afriyie, A. N., Wood, R., DeGruttola, V., Freedberg, K. A., Lipsitch, M., & Seage, G. R., 3rd (2016). Can the Heterosexual HIV Epidemic be Eliminated in South Africa Using Combination Prevention? A Modeling Analysis. *American journal of epidemiology*, 184(3), 239–248. <https://doi-org.proxy.bc.edu/10.1093/aje/kwv344>
- *Mayer, K. H., Gangakhedkar, R., Sivasubramanian, M., Biello, K. B., **Abuelezam, N.N.**, Mane, S., Risbud, A., Anand, V., Safren, S., & Mimiaga, M. J. (2015). Differing Identities but Comparably High HIV and Bacterial Sexually Transmitted Disease Burdens Among Married and Unmarried Men Who Have Sex With Men in Mumbai, India. *Sexually transmitted diseases*, 42(11), 629–633. <https://doi-org.proxy.bc.edu/10.1097/OLQ.0000000000000344> [**Analyst**]
- Childs, L. M., **Abuelezam, N. N.**, Dye, C., Gupta, S., Murray, M. B., Williams, B. G., & Buckee, C. O. (2015). Modelling challenges in context: lessons from malaria, HIV, and tuberculosis. *Epidemics*, 10, 102–107. <https://doi-org.proxy.bc.edu/10.1016/j.epidem.2015.02.002> [**HIV Expert**]
- ***Abuelezam N.N.**, McCormick, A. W., Rhode, E. R., Hou, T., Walensky, R. P., Pei, P. P., Becker, J. E., DiLorenzo, M. A., Losina, E., Freedberg, K. A., Lipsitch, M., & Seage, G. R., 3rd (2014). Development, calibration and performance of an HIV transmission model incorporating natural history and behavioral patterns: application in South Africa. *PloS one*, 9(5), e98272. <https://doi-org.proxy.bc.edu/10.1371/journal.pone.0098272>
- ***Abuelezam, N. N.**, Rough, K., & Seage, G. R., 3rd (2013). Individual-based simulation models of HIV transmission: reporting quality and recommendations. *PloS one*, 8(9), e75624. <https://doi-org.proxy.bc.edu/10.1371/journal.pone.0075624>
- *Sudfeld, C. R., Hewett, P. C., **Abuelezam, N. N.**, Chalasani, S., Soler-Hampejsek, E., Kelly, C. A., & Mensch, B. S. (2013). Herpes simplex virus type 2 cross-sectional seroprevalence and the estimated rate of neonatal infections among a cohort of rural Malawian female adolescents. *Sexually transmitted infections*, 89(7), 561–567. <https://doi-org.proxy.bc.edu/10.1136/sextrans-2012-050869> [**Analyst, Statistics Expert**]

Commentaries/Editorials:

- Abuelezam N. N.** (2020). Health Equity During COVID-19: the Case of Arab Americans. *American journal of preventive medicine*, 59(3), 455–457. <https://doi-org.proxy.bc.edu/10.1016/j.amepre.2020.06.004>
- Abuelezam N. N.** (2020). Teaching Public Health Will Never Be the Same. *American journal of*

public health, 110(7), 976–977. <https://doi-org.proxy.bc.edu/10.2105/AJPH.2020.305710>

Gilman, S. E., Arah, O. A., Bates, L. M., Branas, C. C., Cozier, Y. C., Datta, G. D., DeVilbiss, E. A., Fink, D. S., Hajat, A., Johnson, D. A., Lopez, D. S., Morris, M. D., Weuve, J., **Abuelezam, N. N.**, & Diversity and Inclusion Committee of the Society for Epidemiologic Research (2020). The Society for Epidemiologic Research and the Future of Diversity and Inclusion in Epidemiology. *American journal of epidemiology*, 189(10), 1049–1052. <https://doi-org.proxy.bc.edu/10.1093/aje/kwaa109> [**Senior author and advisor**]

Abuelezam, N.N., Galea, S. Distancing Ourselves From Disease Is Nothing New. *Elemental* (2020). Retrieved from: <https://elemental.medium.com/distancing-ourselves-from-disease-is-nothing-new-747ec3ee3331>.

Abuelezam, N.N., Galea, S. The U.S. Census Bureau is making a mistake in not including a MENA category. *Public Health Post* (2018). Retrieved from: <https://www.publichealthpost.org/viewpoints/no-mena-category-is-a-u-s-census-bureau-mistake/>.

Abuelezam, N. N., El-Sayed, A. M., & Galea, S. (2017). Arab American Health in a Racially Charged U.S. *American journal of preventive medicine*, 52(6), 810–812. <https://doi-org.proxy.bc.edu/10.1016/j.amepre.2017.02.021>

Abuelezam N.N. (2017). As An Arab Woman, I feel Equally Visible and Invisible in the U.S. *Huffington Post – The Blog*. Retrieved August 30, 2017, from http://www.huffingtonpost.com/entry/visibly-invisiblyarab_us_5911e4e7e4b0e3bb894d5ac5

Chapters:

Abuelezam NN (*Submitted*). Migration and Epidemiology. Book Chapter for *Migration and Health* (University of Chicago Press).

Abuelezam NN (*Submitted*). Chronic Health Conditions and Their Risk Factors (Including Environment) among Arab Americans. Book Chapter for *A Biopsychosocial Approach to Arab Americans: Perspectives on Culture, Development, and Health*.

Abuelezam NN. Inequities as an ethical imperative: challenges related to identification, engagement, and interventions in minority health. Book Chapter for *Ethical Challenges in Global Public Health: Climate Change, Pollution, and the Health of the Poor* (2021, *Pickwick Publications*).

Abuelezam NN and A El-Sayed. The Health of Arab Americans in the United States – An Update. Book Chapter for *Healthcare in the Arab World* (Springer-Verlag).

Citations:

Number of citations = 374, *h index* = 11; *i10-index* = 13 (Google Scholar as of 3/24/2022)
= 219, *h index* = 8 (Web of Science as of 3/24/2022)
= 227, *h index* = 8 (Scopus as of 3/24/2022)

RESEARCH FUNDING

Grants Awarded

2022

3/1/22-2/28/24

PCORI, Eugene Washington Engagement Award; Role: **Principal Investigator** (PI: Abuelezam); *Advancing Arab American Health Network Alliance (AAHNA): Developing priorities together*. This grant proposes a community-based participatory research approach to developing research priorities and guidelines to doing work with Arab American populations. (\$244,700).

2021

8/13/21-8/12/26

NIH/NIGMS, **R35**, R35GM142863-01; Role: **Principal Investigator** (PI: Abuelezam); *Advancing methods in infectious disease models: Incorporating structural causes*. This grant proposes novel mathematical modeling methods to examine structural determinants of health for infectious disease transmission in the United States. (\$1,949,810.00). [Scored: 37, NOA 8/13/2021]

6/21- 5/22

Boston College, RAD; Role: **Principal Investigator** (PI: Abuelezam); *Trajectories of knowledge in the field of health disparities: Examining reward and exclusion among knowledge producers*. This project aims to understand and categorize the research trajectories of minoritized scholars in epidemiology. (\$47,080).

2020

9/1/20-8/31/22

NIH/NIAID, **R56**, R56AI149736-01A1; Role: **Co-investigator** (PIs: Escudero and Seage); *Modeling the Role of PrEP in Getting to Zero*. The goal of this study is to use an agent-based HIV transmission model, the HIV Calibrated Dynamic Model (HIV- CDM), to evaluate the role of the PrEP care continuum in the Getting to Zero/Ending the Epidemic (EHE) campaigns in the United States. (\$40,670).

2019

6/1/19 – 5/31/21

RIG, Boston College; Role: **Co-Principal Investigator** (PI: Abuelezam and Harris); *Understanding Arab American Parent Child Sexual Communication*. The goal of this project is to understand how Arab American mothers and their children communicate about sexual topics using qualitative surveys. (\$12,410).

2018

4/1/18-3/31/23

NIH/NINDS, **R01**, R01NS040237; Role: **Co-investigator** (PI: Williams); *Monocyte Traffic and Neuropathogenesis of AIDS*. The goal of this project

is to study, identify and target (using MGBG targeting macrophages, and anti-alpha-4, beta-1 mAb) macrophages and CNS. (\$295,403).

Unfunded Grant Applications

2021

Submitted 1/21 NIH/NIAID, **R01**; Role: **Principal Investigator** (PI: Abuelezam); *Short- and long-term interactions of the COVID-19 and HIV epidemics in the United States*. The goals of this research program are to use individual based mathematical models to examine the potential interactions between the HIV and COVID-19 pandemics. 6/1/21-5/31/25 (\$2,204,037.00). [**Not discussed. Plans to re-examine and resubmit in late 2021.**]

2020

Submitted 12/20 PhRMA Foundation, LOI; Role: **Principal Investigator** (PI: Abuelezam); *Race and ethnicity standards and value based assessment*. The goals of this project are to determine the impact of changing race and ethnicity standards on value based assessments. 4/1/21-3/31/22 (\$50,000). [**Not selected.**]

Submitted 12/20

Robert Wood Johnson Foundation, LOI; Role: **Principal Investigator** (PI: Abuelezam); *Examining how the federal policy on racial and ethnic categorization is a barrier to health equity and justice for Arab and Middle Eastern Americans*. The goal of this 6/1/21-5/31/23 (\$215,480). [**Not selected. Plans to revamp and resubmit in 2022.**]

Submitted 8/20

NIH/NIAID, **R01**; Role: **Principal Investigator** (PI: Abuelezam); *Modeling interaction between co-existing SARS-CoV2 and HIV epidemics*. The goals of this research program are to use individual based mathematical models to examine the potential interactions between the HIV and COVID-19 pandemics. 8/1/21-7/31/25 (\$2,204,037.00). [**Scored: 38. Resubmitted in January 2021**]

Submitted 6/20

Spencer Foundation, LOI; Role: **Co-Investigator** (PI: Brown); *Incorporating Trauma-Informed Pedagogy into Global Health and Public Health Courses*. The goals of this research program were to develop trauma-informed methods to teach about COVID-19 in public health courses. 9/1/20-8/31-21 (\$50,000). [**Not selected.**]

Submitted 5/20

NIH/NIAID, **R01**; Role: **Co-investigator** (PI: Escudero); *Modeling the Role of PrEP in Getting to Zero*. The goal of this study is to use an agent-based HIV transmission model, the HIV Calibrated Dynamic Model (HIV- CDM), to evaluate the role of the PrEP care continuum in the Getting to Zero/Ending the Epidemic (EHE) campaigns in the United States. 12/1/20-11/30/25 (\$220,304). [**Scored 42, Funded as R56 with plans to resubmit R01 in September 2021.**]

Submitted 2/20

NSF/NIGMS, **R01**; Role: **Co-Principal Investigator**, (PI: Abuelezam and Castro Samayoa). *A Novel Examination of the Trajectories and Mechanisms Differentiating Rewarded Innovation from Excluded Inquiries within Health*

Disparities Knowledge Producers. This project aims to contextualize success in the biomedical health disparities field and understand publication and funding patterns across a number of sociodemographic axes. This work will help contribute to advancing diversity and inclusion in the biomedical sciences. 12/1/20-11/30/24 (\$845,819). [**Scored: "Good." Submissions were not accepted in September 2020/February 2021. Resubmission planned for September 2021.**]

2019

Submitted 10/19

NIH, **R01**; Role: **Co-Investigator** (PI: Williams); *Novel therapeutics for treatment of HIV-associated cardiovascular disease in the cART era*. Trial done using rhesus macaques to determine long term impacts of cART use on cardiovascular health. 7/1/20-6/30/25 (\$177,415). [**Not discussed.**]

Submitted 7/19

NIH/NIMHHD, **R21**; Role: **Principal Investigator** (PI: Abuelezam). *The influence of Racialization on Latin American Immigrant Mothers (ReCLAIM) and their infants*. This study aims to gain insight into the complex and interactive effects of self-identified and socially-assigned race on both maternal health behaviors and infant outcomes among subgroups of immigrants from Latin America in Massachusetts from 1996-2018. 12/1/19-11/30/21 (\$423,500). [**Scored: 52. Being revamped as an R01 for mid-2022.**]

Submitted 4/19

Pew Biomedical Research Fund, LOI; Role: **Principal Investigator** (PI: Abuelezam). *Contested Racial Identity and Physiological Stress among Immigrants in the United States*. This study couples a quantitative survey with biological specimens to understand Arab Americans' experiences with racism and discrimination. 3/1/20-2/29/21 (\$150,000). [**Not selected.**]

Submitted 1/19

NIH/NIAID, **R01**; Role: **Co-Investigator** (PI: Seage). *Modeling the Southern United States HIV Epidemic*. Using the HIV-CDM, this study proposes modeling the spread of HIV in the Southern part of the United States by using racial stratification data and other sophisticated techniques. 12/1/20-11/30-24 (\$212,789). [**Not funded.**]

2018

Submitted 10/18

NIH/NIMHHD, **R21**; Role: **Principal Investigator** (PI: Abuelezam). *The influence of Racialization on Latin American Immigrant Mothers (ReCLAIM) and their infants*. This study aims to gain insight into the complex and interactive effects of self-identified and socially-assigned race on both maternal health behaviors and infant outcomes among subgroups of immigrants from Latin America in Massachusetts from 1996-2018. 7/1/19-6/30/21 (\$423,500). [**Scored: 57. Resubmitted July 2019**]

Submitted 7/18

Russell Sage Foundation, LOI; Role: **Principal Investigator** (PI: Abuelezam). *Biomarkers of stress among Arab Americans in the Northeast*. This study couples a quantitative survey with biological specimens to understand Arab Americans' experiences with racism and discrimination in

the Northeastern part of the United States. 1/1/19-12/31/20 (\$171,645). [**Not selected.**]

2016

Submitted 10/16

NIH/NIGMS, **R35** GM124663-01; Role: **Principal Investigator** (PI: Abuelezam). *Modeling multiple transmission pathways of infectious diseases: Understanding the implications for evolution, control, and prevention.* This program of research aims to understand the contribution of multiple heterogeneous transmission pathways to disease incidence, evolution, and control for diseases that can be transmitted through multiple pathways (i.e. environment, vector, direct contact etc.) through mixed method analyses involving geospatial mathematical modeling and cost-effectiveness analysis. 7/1/17-6/30/22 (\$1,651,444). [**Scored: 43. Not pursued by Council.**]

Other Grant Funding:

Grants Awarded

2019

Major Grant, Institute for Liberal Arts, Boston College; Role: **Primary Lead.** Critical race dialogues at Boston College: *So You Want to Talk about Race?* Funding to pay for Ijeoma Oluo's visit to Boston College including funding for additional book club materials and resources for the 2020-2021 academic year. 12/1/19-5/1/21 (\$19,880).

Minor Grant, Institute for Liberal Arts, Boston College; Role: **Primary Lead.** Funding to pay for food and refreshments for the faculty book clubs occurring at Boston College's Connell School of Nursing during the 2019-2020 academic years. *So You Want to Talk About Race?* Faculty Book Club. 9/1/19-5/1/20 (\$2,500).

Educational Training Funding:

2015-2016

Postdoctoral Research Fellow, NIH/NIGMS, U54, GM0088558 (Project PI: Marc Lipsitch), MIDAS Center for Communicable Disease Dynamics.

2014 – 2016

Postdoctoral Research Fellowship, NIAID, T32, AI007433 (Project PI: Kenneth Freedberg), Program in AIDS Clinical Research Training Grant.

2012 – 2014

Predocctoral Research Fellowship, NIAID, T32, AI007433 (Project PI: Kenneth Freedberg), Program in AIDS Clinical Research Training Grant.

2010 – 2012

Predocctoral Research Fellowship, NIH/NIAID, T32, AI007535 (Project PI: George R. Seage III), Epidemiology of Infectious Diseases and Biodefense Training Grant.

MEDIA ENGAGEMENT

Newspaper & Online Print

- [“Bring back the NBA!: the case for reviving professional sports in the time of coronavirus,”](#) The Boston Globe, 18 March 2020.
- [“Is It Safe For Older People To Shop During Senior Hours At Grocery Stores?”](#) Huffpost, 19 March 2020.

- [“When will the coronavirus pandemic end? What scientists can say about life returning to normal,”](#) The Boston Globe, March 21, 2020.
- [“How New York’s spiraling Coronavirus outbreak could affect Mass.,”](#) The Boston Globe, 25 March 2020.
- [“Not all or nothing: Anti-virus lockdowns could lift slowly,”](#) Associated Press, 27 March 2020.
- [“Trump extends U.S. physical distancing guidelines until April 30,”](#) CBC, 29 March 2020.
- [“New Chinese data on asymptomatic coronavirus cases could help world response,”](#) Linda Givetash, NBC, 9 April 2020
- [“The only way it ends: herd immunity,”](#) Jeff Howe, The Boston Globe, 11 April 2020.
- [“As coronavirus spread through Asia, the West had a head start to prepare. Why wasn't it used?”](#) James Griffiths, CNN, 17 April 2020.
- [“Amid flurry of national coronavirus data, Massachusetts maintains a hot spot of infection,”](#) The Boston Globe, 19 April 2020.
- [“As Montana prepares to reopen, state lacks local COVID-19 testing data,”](#) Montana Free Press, 24 April 2020.
- [“Distancing Ourselves From Disease Is Nothing New,”](#) *Elemental*, Medium, 28 April 2020.
- [“The State has changed how it classifies coronavirus cases. It could lead to a spike in numbers,”](#) The Boston Globe, 30 April 2020.
- [“As states reopen, cities are staying shut. That could mean more coronavirus in rural America,”](#) The Washington Post, 1 May 2020.
- [“Here Come COVID-19 Tracing Apps — and Privacy Tradeoffs,”](#) AP News, 5 May 2020.
- [“Why America's social distancing efforts have had 'painfully slow' results,”](#) CNN, 7 May 2020.
- [“Trump turns virus conversation into ‘US vs. THEM’ debate,”](#) Associated Press, 19 June 2020.
- [“The Coronavirus Surge in Florida, Arizona, Texas Isn’t the Same as New York’s Crisis,”](#) The Wall Street Journal, 26 June 2020.
- [“Cornell Says It's Safer To Bring Students Back To Campus, Will Resume Classes September 2,”](#) Forbes, 30 June 2020.
- [“Will MLB's Testing Plan Sink Its Season?”](#) Sports Illustrated, 10 July 2020.
- [“2 Stylists Had Coronavirus, but Wore Masks. 139 Clients Didn’t Fall Sick,”](#) The New York Times, 14 July 2020.
- [“Here’s what Charlie Baker said about the mandatory mask order in Mass.,”](#) The Boston Globe, 16 July 2020.
- [“What happens when a student or staffer gets sick at school this fall?,”](#) The Boston Globe, 21 July 2020.
- [“How do businesses \(and customers\) decide what’s safe during a pandemic?”](#), Marketplace, 28, July 2020.
- [“Its Plan Is Risky, Its Community Is Vulnerable, and Cases Are Surging. Why Is This University Reopening?”](#), 31 July 2020.
- [“What It Would Take for Herd Immunity to Stop the Coronavirus Pandemic,”](#) The Wall Street Journal, 20 September 2020.
- [“Disease experts raise concern as Baker says state will ease restrictions on indoor venues,”](#) The Boston Globe, 29 September 2020.

- [“When teens host parties, some school districts return to remote learning. But does the science support that?”](#) Felicia Gans. The Boston Globe. 7 November 2020.
- [“The whitewashing of Arab Americans impacted by COVID-19 is a catastrophic public health issue, experts say,”](#) Mirna Alsharif. CNN. 3 April 2021.

Radio

- [“Local Health Experts Take Questions About Coronavirus,”](#) WBUR, Radio Boston, 16 March 2020.
- [“Baystate Business: Coronavirus, Markets, Tom Brady,”](#) Bloomberg Baystate Business, Bloomberg Radio, 17 March 2020.
- [“How The Coronavirus Pandemic Is Impacting Massachusetts' Minority Communities,”](#) CommonHealth, WBUR, 17 March 2020.
- [“Medical Expert Advice,”](#) Nightside with Dan Rea, iHeart Radio, 24 March 2020.
- [“Epidemiologist Says Conversations Around Lifting Pandemic Restrictions Are 'Premature',”](#) Interviewed by Joe Mathieu, WGBH, 16 April 2020.
- [“Small Business in COVID Era,”](#) Bloomberg Baystate Business, Bloomberg Radio, 1 May 2020.
- [“An Infectious Disease Expert On Why Mass. Has Been Successful At Flattening The Curve So Far,”](#) Interviewed by Bob Oakes, WBUR, 01 July 2020.
- [“What The Research Says On Opening Schools In Massachusetts This Fall,”](#) WBUR, Radio Boston, 30 July 2020.

Television

- [“Sudden Surge in the Measles Outbreak”](#) *The Take*, NCEN, 16 April 2019.
- [“Communities Consider Banning Religious Exemptions for Vaccines,”](#) *The Take*, NECN, 14 May 2019.
- [“Social Distancing to prevent COVID-19,”](#) Interview with Nestor Mato, NBC 10 Boston, 12 March 2020.
- [Interview on All In with Chris Hayes](#), MSNBC, 25 March 25 2020.
- “COVID-19 restrictions and numbers,” *From the Capital*, MBN/Al Hurra, 31 March 2020.
- “COVID-19 - What we know,” *From the Capital*, MBN/Al Hurra, 14 April 2020.
- [“Doctor concerned as some states begin reopening economies,”](#) *Morning Joe*, MSNBC, 7 May 2020.
- “Reopening risks/second wave fears,” *New Day*, CNN, 23 May 2020.
- “COVID-19 updates,” *Morning Joe*, MSNBC, 28 July 2020.
- [“Across Illinois, Arab Americans Were Dying From COVID-19, But The Government Wasn't Counting. Some Say That Cost Lives,”](#) CBS Chicago, 4 May 2021.

PRESENTATIONS (Invited and *Refereed):

International:

- 2021 “COVID-19 and Climate Change: Living with and Learning from a Pandemic, The Importance of Science.” *Panelist at: International Halki Summit IV*, January 27, 2021, Thessaloniki, Greece – attended virtually. (invited)

- 2018 *"Arab American health outcomes: results from a population-based survey in California." *Oral presentation presented at: 8th Arab Health Summit*, 2018. Washington, D.C.
- 2017 *"Patterns of assortative sexual preference among men who have sex with men in seven US cities." *Poster presented at: Sixth International Conference on Infectious Disease Dynamics*, 2017. Barcelona, Spain.
- 2016 *"Estimation of HIV incidence using retrospectively-collected HIV testing history in Botswana." *Poster presented at: International AIDS Society Conference*, 2016 Jul 18-22. Durban, South Africa.
- 2014 *"Can the HIV epidemic be eliminated in South Africa using combination prevention? A modeling analysis." *Oral presentation at: Controlling the HIV Epidemic with Antiretrovirals: Avoiding the Cost of Inaction Summit (IAPAC)*, 2014 Sept 18-19. London, UK.
- 2013 *"Development, Calibration and Performance of an HIV Transmission Model for resource-limited settings: Application in South Africa." *Poster presented at: EPIDEMICS4: Fourth International Conference on Infectious Disease Dynamics*, 2013 Nov 19-22. Amsterdam, Netherlands.
- *"Differing identities, but comparable risks and HIV/STI burden, in married and unmarried men who have sex with men (MSM) in Mumbai." *Poster at: IAS Conference on HIV Pathogenesis, Treatment and Prevention*, 2013 July. Kuala Lumpur, Malaysia.
- National:**
- 2021 "Brown Bag with Dr. Nadia Abuelezam: Arab American Health." *Invited lecture for: National Committee for Quality Assurance*, April 19, 2021. (invited)
- 2020 "Injustice, Inequity, and Inequality: Lessons at the Intersection of Epidemiology, Mathematics, and Racism." *Moody Keynote Address at: Harvey Mudd College Mathematics*, October 21, 2020. (invited)
- "Arab American Health and the U.S. Census." *Invited panelist for: National Arab American Census Week of Action*, July 8th, 2020. (invited)
- *"Whiteness, Blackness, and Otherness among Arab mothers in Massachusetts and their impact on infant health outcomes." *Poster presented at: Society for Epidemiologic Research (SER)*, 2020. Boston, MA.
- "Livin' on the Edge – Doing and Teaching Epidemiology Outside Top-Ranked Schools of Public Health." *Panelist at: Society for Epidemiological Research (SER)*, 2020. Boston, MA. (invited)

- 2019 * “Disparities in flu vaccinations: The case of Arab Americans in California.” *Poster presented at:* Society for Epidemiologic Research (SER), 2019. Minneapolis, MN.
- 2018 * “Generalizability of Arab American health outcomes: results from a population-based survey in California.” *Poster presented at:* Society for Epidemiologic Research (SER), 2018. Baltimore, MD.
- 2017 * “Effectiveness of novel online recruitment method for YMSM.” *Poster presented at:* Council for the Advancement of Nursing Science (CANS), 2017. Washington D.C.
- * “Perceived discrimination’s impact on Arab American mental and cardiovascular health in Michigan.” *Poster accepted to:* American Public Health Association Annual Conference, 2017. New Orleans, LA.
- * “Poor mental health and its predictors among Arab Americans in Michigan.” *Poster presented at:* Society for Epidemiologic Research, 2017 Jun 20-23. Washington, USA.
- 2016 * “The importance of accurate population dynamics when using agent-based models to simulate epidemiologic outcomes of HIV: Application to South Africa.” *Oral presentation at:* Society for Epidemiologic Research Congress, 2016 Jun 22-24. Florida, USA.
- 2015 * “Getting to 90-90-90 in South Africa: Predictions from the HIV-CDM Simulation Model.” *Poster presented at:* EPIDEMICS5: Fifth International Conference on Infectious Disease Dynamics, 2015 Dec 1-4. Florida, USA.
- * “PrEP in a South African Context: Projections from the HIV-CDM Simulation Model.” *Poster presented at:* EPIDEMICS5: Fifth International Conference on Infectious Disease Dynamics, 2015 Dec 1-4. Florida, USA.
- * “Displacement of sexual partnerships in trials and implementation of sexual behaviour change interventions: A model-based assessment of consequences for evaluation and control.” *Poster presented at:* EPIDEMICS5: Fifth International Conference on Infectious Disease Dynamics, 2015 Dec 1-4. Florida, USA.
- Regional:**
- 2020 “Teaching during COVID-19.” *Moderator at:* Advancing Research and Scholarship day at Boston College, October 30th, 2020. (invited)
- “Racial Disparities and COVID.” *Panelist at:* AHANA Alumni Event at Boston College, August 14, 2020. (invited)
- “The Human-centered Engineering Project at Boston College.” *Host for:* The Show at 6 at Boston College, June 2, 2020.

“COVID-19: The Reality Today and What Will Happen Next.” *Panelist at:* Boston College, March 16, 2020. (invited)

COVID-19 Fireside Chats at Boston College. Weekly from April 2020-May 2020. (invited)

2019 “Minority Health: Disparity and Ethical Imperative” *Panelist at:* Ethical Challenges in Global Public Health Conference, 2019 Sept 16. Chestnut Hill, MA. (invited)

“Arab Americans: Vulnerable or inaccessible?” *Panelist at:* Barriers to Healthcare GlobeMed Conference, 2019 Feb 16. Chestnut Hill, MA. (invited)

2017 “Doing Good with Epidemiology: HIV and Health Disparities.” *Plenary talk at:* Advancing Research and Scholarship at Boston College, 2017 Dec 11. Chestnut Hill, MA. (invited)

2015 “Understanding the Global HIV/AIDS Epidemic with (Sexy) Mathematical Models.” *Keynote presentation at:* Southern California Conference on Undergraduate Research (SCCUR), 2015 Nov 21. Claremont, CA. (invited)

2013 “Sexy (mathematical) models: Insight on Patient Zero and Sexual Mixing in South Africa.” *Oral presentation at:* Modeling of Infectious Disease Agent Study (MIDAS) Conference, 2013 Apr 22. Chicago, IL. (invited)

Symposia:

2019 “Novel Methods and Questions in Understanding and Quantifying Health Disparities,” *Session proposed, organized, and chaired at:* Society for Epidemiological Research (SER), 2019. Minneapolis, MN.

2018 “Misclassification of the Underrepresented Groups: Caring about smaller categories.” *Symposia proposed, organized, and presented at:* Society for Epidemiologic Research (SER), 2018. Baltimore, MD.

Research Convening:

2019 “ACCESS National Research Initiative Convening on Data Collection,” on March 29, 2019 in Dearborn MI (invited).

TEACHING ACTIVITIES:

Boston College

Courses Taught

2020-2022	HLTH8000 – Examining Diversity for the Doctor of Nursing Practice Program (Summer 2020, Fall 2020, Spring 2022)
2020	HLTH9720 – Epidemiology for the Doctor of Nursing Practice Program (Spring 2020, Fall 2020)
2014-2020	NURS1210 – Public Health in a Global Society, Co-instructor with Dr. Erika Sabbath (Spring 2014, Fall 2016, Fall 2017, Spring 2018, Fall 2018, Spring 2019, Fall 2019, Spring 2020)
2018-2019	HLTH7425 – Global Health Challenges and Disparities, Fall 2018 and Fall 2019
2018-2019	NURS7550 – Current Issues in Sexual Health, Co-instructor with Dr. Holly Fontenot (Spring 2018) and Dr. Allyssa Harris (Spring 2019)
2017	NURS6425 – Global Health Challenges and Disparities, Summer 2017 APSY4050 – Public Health Practice in the Community, Co-instructor with Dr. Nelson Portillo, Spring 2017
2015	SCWK7747 – Research Methods in Social Work, Fall 2015

Graduate Guest Lectures

2022	“Social context and health inequities” in Data Analytics for Social Impact (Social Work graduate program) – Summer Sherburne Hawkins (Spring)
2020	“Diversity in Healthcare” in NURS 7450 Women’s and Children’s Health – Sherri St. Pierre (Fall) “How to be an Anti-racist” in NURS 7438/9438 Psychiatric-Mental Health - Carol Marchetti (Fall)
2018	“Epidemiology and health disparities” in NUR7453 Women’s Health Theory – Kathy Hutchinson (Fall)
2016	“Epidemiology and Biostatistics in Population Health” in NURS6400 Community Health Assessment – Tam Nguyen (Fall) “Achievements and Challenges in Prevention of HIV/AIDS” in NURS6425 Global Health Challenges and Disparities – Joyce Edmonds (Summer)

Undergraduate Guest Lectures

- 2020 “Religion and Spirituality” in KILN Identity Lecture Series – Brandon Huggon, November 18.
- 2019 “HIV/AIDS: A Primer” in ECON3385 Health Economics – Tracy Regan (Spring – two sections)
- “HIV/AIDS in South Africa” in Core Renewal Enduring Questions – Human Disease: Plagues, Pathogens, and Chronic Diseases and Human Disease: Health, the Economy, and Society – Samuel Richardson and Kathy Dunn (Spring)
- 2018 “HIV/AIDS: A Primer” in ECON3385 Health Economics – Tracy Regan (Spring – two sections)
- “HIV/AIDS in South Africa” in Core Renewal Enduring Questions – Human Disease: Plagues, Pathogens, and Chronic Diseases and Human Disease: Health, the Economy, and Society – Samuel Richardson and Kathy Dunn (Spring)
- 2017 “HIV/AIDS Epidemiology and Prevention” in NURS1210 Public Health in a Global Society – Summer Hawkins (Spring)
- “HIV/AIDS in South Africa” in Core Renewal Enduring Questions – Human Disease: Plagues, Pathogens, and Chronic Diseases and Human Disease: Health, the Economy, and Society – Samuel Richardson and Kathy Dunn (Spring)
- 2016 “Epidemiology and Biostatistics in Population Health” in NURS4260 Population Health Nursing Theory – Joyce Edmonds (Fall)

Graduate Guest Lectures at Other Institutions

- 2019 “Arab Americans: Invisible or Understudied” in EP475: Social Epidemiology – Yvette Cozier (Fall, Doctoral Level) – Boston University School of Public Health
- 2017, 2019 “Mathematical Modeling for HIV” in EPI256: HIV Epidemiology and Prevention – George R. Seage III (Spring, Doctoral Level) – Harvard T.H. Chan School of Public Health

Doctoral Dissertation Committees

- 2021 Bradley White, Boston College – “Mental Health and Mental Health Treatment Experiences of Transgender Adults.” *Defense and graduation: Spring 2021.*
- Anne McKay, Boston College – “Parent-child sexual health communication

for sexual and gender minority youth.” *Expected Defense*: Fall 2021.

Undergraduate Thesis Advising

- 2021 Paola Sanchez (McNair Scholar) – “Evaluating the effects of Climate Change and water scarcity on Chronic Kidney Disease in El Salvador & Guatemala.”
- Karla Sanchez Gonzalez (International Studies) – “Female migrant domestic workers’ health.”
- 2020 Victoria Pouille (International Studies)– “Dominican Haitians and Equitable Healthcare.”
- 2019 Claudia Jablonski (Peace, Faith, and Justice) – “Disparities in breastfeeding for African American mothers: A capabilities approach analysis.”
- Sageene Francis (International Studies)– “Haiti: Political movements and environmental public health.”
- 2018 Jacqueline Velasquez-Castaneda (McNair Scholar) – “Barriers to diabetes self-care among Latino immigrants in the United States – a focus group study.”
- Mary Ashley Keene (Peace, Faith, and Justice) – “The religious and cultural implications of intervention by secular entities during epidemics: An analysis of Ebola and Zika response”

Advisement/Mentorship

- 2017 - RISE – Senior Women Mentorship Program
2017 – 12 senior women mentees
2018 – 10 senior women mentees
2019 – 10 senior women mentees
2020 – 10 senior women mentees
- 2016 – Keys to Inclusive Leadership in Nursing Program
2016 – 2 undergraduate mentees, 1 graduate mentee
2017 – 1 undergraduate mentee, 1 graduate mentee
2018 – 2 undergraduate mentees, 1 graduate mentee
2019 – 1 undergraduate mentee, 1 graduate mentee
2020 – 1 undergraduate mentee, 1 graduate mentee
- 2016 – McNairs Scholar Mentor
2016-2019 – 1 undergraduate thesis student
2019-2021 – 1 undergraduate thesis student
- 2016 – Benjamin Mays Research Mentor
2016-2017 – 1 undergraduate mentee
2019-2020 – 2 undergraduate mentees

2016 – Undergraduate Research Fellow Mentor
2016-2017 – 2 undergraduate mentees
2017-2018 – 2 undergraduate mentees
2018-2019 – 2 undergraduate mentees
2019-2020 – 2 undergraduate mentees

PROFESSIONAL ACTIVITIES AND SERVICE:

Editorial Activities:

Editor Annals of Global Health (2019-)
Reviewer American Journal of Public Health (AJPH), Journal of Immigrant and
Minority Health, PLoS One, Journal of Theoretical Biology, Canadian
Journal of Nursing Research, International Journal of Mental Health and
Addiction, and BMJ Open

Academic Major Committee Assignments:

University Committees

2020 - Member, COVID Working Group
2018 Member, Steering Committee for Center for Statistics and Advanced Analysis
2018 Member, Graduate Fulbright Committee

School of Nursing

2021 - Member, Bachelor's Program Committee (elected)
2018 - 2021 Chair, Diversity Advisory Board (appointed)
2017 – 2018 Member, CSON Affairs (elected)

Professional Societies

2018- 2021 Member at Large, Arab American Studies Association (elected)
2019- 2021 Co-Chair, Diversity and Inclusion Committee, Society for Epidemiological
Research (appointed)