

# Catherine DiGennaro

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## EDUCATION

B.A., Neuroscience; Minor, Health and Society

May 2019

Wellesley College (Wellesley, MA)

**Relevant Coursework:** Microeconomics (14.100X, MIT), U.S. Public Health, Social Epidemiology, Neurodevelopment, Neuroplasticity, Feminist Bioethics, The Brain and Its Interface with the Body (9.42, MIT), System Dynamics Summer School (SDS), Decision Modeling in R (DARTH), Causal Inference (ISPOR), Biostatistics for Biomedical Research

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## EXPERIENCE

**MGH Institute for Technology Assessment; Research Associate; Boston, MA**

June 2019 – present

- Conducted and wrote up systematic reviews of opioid simulation models, COVID-19 simulation models, and molecular tests for indeterminate thyroid nodules for submission to academic publications
- Analyzed electronic health records, state-, and national-level data to ascertain thyroid surgery and overdose trends
- Managed three interns (two undergraduates and one masters' level), supporting their tasks and collaboration

**MIT and MGH Institute for Technology Assessment; Research Intern; Boston, MA**

September 2018 – May 2019

- Co-wrote a grant proposal to model the opioid crisis and identify effective policies for the FDA; received \$1M funding
- Performed multi-level text analysis on selection of literature using Python to gain insight into the applications and quality of simulation-based studies in the field of public health research

**Social Accountability International, Standards and Impacts Intern; New York, NY**

June 2018 – July 2018

- Authored report detailing the practice of public tenders in Italy and put forth strategic path for programming around government contracting and procurement; developed an interactive training exercise
- Created revision recommendations for SAI's training and partnership with the World Bank's International Finance Corporation based on updated statistics and research; incorporated these revisions for the following fiscal year

**Screening for Mental Health, Youth Program Intern; Wellesley Hills, MA**

June 2017 – May 2018

- Facilitated mental health screening and awareness program distribution throughout high schools and middle schools; created a newsletter that reached over 4,000 stakeholders
- Prepared eight full reports to quantify the results of program trainings in schools and community centers using both participant feedback and training data

**Brigham and Women's Hospital, SAGE Program Intern; Boston, MA**

July 2017 - August 2017

- Organized palliative care patient data, interviewed program patients, assembled and analyzed data on other palliative care programs, and coordinated the recruitment of new patients into the program
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## EXTRACURRICULAR

**Society Zeta Alpha, President**

January 2018 – January 2019

- Implemented newly-developed Community Standards guidelines; creatively engaged the Society, alumnae, school administration, and student body; increased new membership applications by 60% from Fall 2017 to Spring 2018

**Wellesley College Law Review Journal, Editor**

September 2018 – May 2020

- Solicited, reviewed, and edited legal articles from the student body; implemented a method to verify readership and interest to acquire full funding for print publication
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## SKILLS

- **Technical:** R, MS Office Suite (advanced PowerPoint and Excel), Tableau, REDCap, Grant Writing, Technical Writing, IRB protocol submission and management, Python (including Pandas and Matplotlib), Git (basic), SQL (basic)
- **Languages:** English (fluent); French (proficient); German (intermediate)