**MPH Certificates**

**Violence and Injury Prevention**

The certificate in Violence and Injury Prevention trains practitioners and researchers to understand the interrelated risk and protective factors of violence and to act to reduce the impact of violence on the public’s health.

There are four tracks available:

- Adolescents to Young Adults
- American Indian/Alaska Native
- Women
- Young Families/Children

**Artificial Intelligence and Big Data Analytics for Public Health**

The Artificial Intelligence and Big Data Analytics for Public Health (AIBDA) Certificate (https://brownschool.wustl.edu/Academics/Pages/AIBDA-Certificate.aspx) trains social, behavioral, and health scientists to master Python programming for data science, learn state-of-the-art machine learning and deep neural network models, and implement responsible, ethical artificial intelligence (AI) applications to solve real-world social and health problems.

The certificate is open to all students enrolled in the Brown School. The prerequisite for the two courses (Applied Machine Learning Using Health Data and Applied Deep Learning Using Health Data) is an introductory course on statistics or biostatistics or passing the relevant proficiency exam.

Required curriculum:

- Skill Lab: Introduction to Python for Public Health Data Analysis (1 credit)
- Skill Lab: Data and Algorithmic Bias (1 credit)
- Applied Machine Learning Using Health Data (3 credits)
- Applied Deep Learning Using Health Data (3 credits)

Current Brown School students should work closely with their academic advisor to understand how certificate course sequencing can align with their specific program of study.