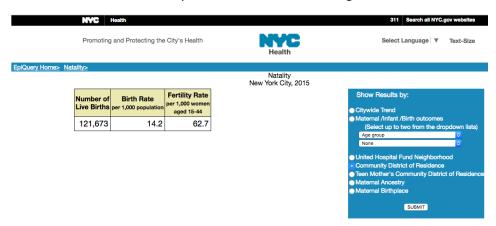
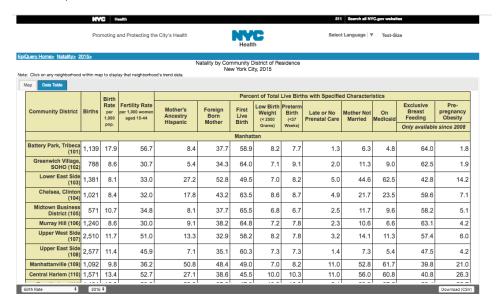
- If Community District 10 (CD10) is deemed a suitable 'proxy' for The Zone based on Demographic Comparison, I
  HIGHLY recommend using the already-existing model for births data provided by the NYC Dept. Of Health and
  Mental Hygeine, Bureau of Vital Stats
  - This model is robust and maintained by Bureau of Vital Stats
  - Only parameters needed: Community District 10 and Year of Interest
  - CD10 Model found here:
    - https://a816-healthpsi.nyc.gov/epiquery/Birth/index.html
    - Choose year of interest and click 'SUBMIT'



Then, choose 'Community District of Residence' on right-side menu and click 'SUBMIT'



Then, download dataset and filter for 'cd' == 110



- If Community District 10 (CD10) is NOT deemed a suitable 'proxy' for The Zone based on Demographic Comparison, I have provided 2 custom models for HCZ, based on 5-year aggregate data
- Model Development Steps/jupyter notebook can be viewed here:
  - o Link:

http://nbviewer.jupyter.org/github/kgracia44/hcz\_custom\_model/blob/master/HCZ\_birthrate\_model.ipynb

 Data sets and pickled models are available in attached zip folder as well as folder on shared drive [datakind/HCZ]