

- 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 Hygiene, 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'

NYC Health 311 Search all NYC.gov websites

Promoting and Protecting the City's Health **NYC Health** Select Language Text-Size

EpiQuery Natality Module

To begin, select a YEAR of interest and click on the SUBMIT button.

2015
SUBMIT

[Click here for more information about this dataset](#)

Any questions or comments? Please contact us at query@health.nyc.gov

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

NYC Health 311 Search all NYC.gov websites

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EpiQuery Home> Natality>

Natality
New York City, 2015

Number of Live Births	Birth Rate per 1,000 population	Fertility Rate per 1,000 women aged 15-44
121,673	14.2	62.7

Show Results by:

- Citywide Trend
- Maternal /Infant /Birth outcomes (Select up to two from the dropdown lists)
 - Age group: None
 - None
- United Hospital Fund Neighborhood
- Community District of Residence
- Teen Mother's Community District of Residence
- Maternal Ancestry
- Maternal Birthplace

SUBMIT

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

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EpiQuery Home> Natality> 2015>

Natality by Community District of Residence
New York City, 2015

Note: Click on any neighborhood within map to display that neighborhood's trend data.

Map Data Table

Community District	Births	Birth Rate per 1,000 pop.	Fertility Rate per 1,000 women aged 15-44	Percent of Total Live Births with Specified Characteristics									
				Mother's Ancestry Hispanic	Foreign Born Mother	First Live Birth	Low Birth Weight (<2500 Grams)	Preterm Birth (<37 Weeks)	Late or No Prenatal Care	Mother Not Married	On Medicaid	Exclusive Breast Feeding	Pre-pregnancy Obesity
Manhattan													
Battery Park, Tribeca (101)	1,139	17.9	56.7	8.4	37.7	58.9	8.2	7.7	1.3	6.3	4.8	64.0	1.8
Greenwich Village, SOHO (102)	788	8.6	30.7	5.4	34.3	64.0	7.1	9.1	2.0	11.3	9.0	62.5	1.9
Lower East Side (103)	1,381	8.1	33.0	27.2	52.8	49.5	7.0	8.2	5.0	44.6	62.5	42.8	14.2
Chelsea, Clinton (104)	1,021	8.4	32.0	17.8	43.2	63.5	8.6	8.7	4.9	21.7	23.5	59.6	7.1
Midtown Business District (105)	571	10.7	34.8	8.1	37.7	65.5	6.8	6.7	2.5	11.7	9.6	58.2	5.1
Murray Hill (106)	1,240	8.6	30.0	9.1	38.2	64.8	7.2	7.8	2.3	10.6	6.6	63.1	4.2
Upper West Side (107)	2,510	11.7	51.0	13.3	32.9	58.2	8.2	7.8	3.2	14.1	11.3	57.4	6.0
Upper East Side (108)	2,577	11.4	45.9	7.1	35.1	60.3	7.3	7.3	1.4	7.3	5.4	47.5	4.2
Manhattanville (109)	1,092	9.8	36.2	50.8	48.4	49.0	7.0	8.2	11.0	52.8	61.7	39.8	21.0
Central Harlem (110)	1,571	13.4	52.7	27.1	38.6	45.5	10.0	10.3	11.0	56.0	60.8	40.8	26.3

Birth Rate 2015 Download (CSV)

- 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:
 - 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]