

# Demographics Comparison: The Zone vs NYC Manhattan Community District 10

## GOAL OF COMPARISON

To determine whether or not Community District 10 can be used as a 'proxy' for The Zone, in order to utilize data sets and birth rates model available for Community District 10.

## Data used for demographics comparison

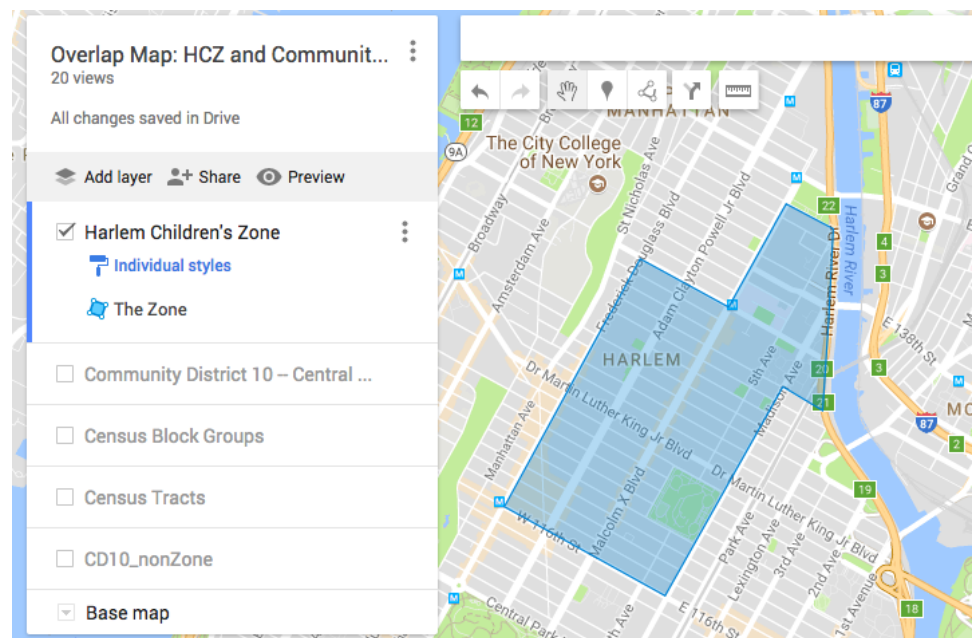
- American Community Survey (ACS), from US Census Bureau
  - 5 year estimates for the period of 2011 – 2015 (data values are aggregates of 5 year period)
  - Data published in 2016
    - For full description of the ACS data (e.g., data collection methods, difference between single year and multi-year data) and Handbook PDF (it is a guide of how to use ACS data):  
  
<https://www.census.gov/content/dam/Census/library/publications/2008/acs/ACSGeneralHandbook.pdf>
  - Why was the 5 year estimates data set used instead of the 1 year estimates data set?
    - Short answer: Data sets for 1 year estimates are not available for geographical areas that are smaller than Townships (i.e. zipcodes, census tracts, census blocks). Full details in the Handbook PDF.
    - For 'quick glance' information over "When to Use 1-year, 3-year, or 5-year Estimates":  
  
<https://www.census.gov/programs-surveys/acs/guidance/estimates.html>

## Areas of Interest

- For the purpose of this comparison of demographics, census block groups were used to filter ACS data sets. Census block groups were the most granular unit available for geographical areas that would allow us to focus in on the Zone vs non-Zone areas within the Community District 10 region.
- For this comparison, the following 'Areas of Interest' were used:
  - **The Zone** = Block groups within the area defined as The Zone by HCZ
    - Defined by the following GEO IDs/block groups:  
['360610210001','360610210002','360610210003','360610210004','360610198002','360610200001','360610200002','360610206001','360610208001','360610208002','360610208003','360610212001','360610212002','360610212003','360610212004','360610214002','360610218001','360610218004','360610220001','360610220002','360610220003','360610220004','360610220005','360610222001','360610222002','360610224001','360610224002','360610224003','360610224004','360610226001','360610226002','360610226003']
  - **CD10\_nonZone** = Block groups found within Community District 10, but NOT within The Zone
    - Defined by the following GEO IDs/block groups:  
['360610186001','360610186002','360610186003','360610197021','360610201021','360610201022','360610201023','360610201024','360610206002','360610215001','360610215002','360610216001','360610216002','360610216003','360610216004','360610216005','360610218002','360610218003','360610221021','360610221022','360610228001','360610228004','360610230001','360610230002','360610230003','360610230004','360610230005','360610232001','360610232002','360610232003','360610232004','360610234001','360610234002','360610235021','360610236000','360610236001','360610236002','360610236003','360610236004','360610243020','360610243021','360610243022','360610243023','360610257001','360610257002','360610257003','360610259001','360610259002'],]
  - **CD10\_all** = All block groups found within Community District 10
    - Defined by the following GEO IDs/block groups:  
['360610186001','360610186002','360610186003','360610197021','360610201021','360610201022','360610201023','360610201024','360610206002','360610215001','360610215002','360610216001','360610216002','360610216003','360610216004','360610216005','360610218002','360610218003','360610221021','360610221022','360610228001','360610228004','360610230001','360610230002','360610230003','360610230004','360610230005','360610232001','360610232002','360610232003','360610232004','360610234001','360610234002','360610235021','360610236000','360610236001','360610236002','360610236003','360610236004','360610243020','360610243021','360610243022','360610243023','360610257001','360610257002','360610257003','360610259001','360610259002','360610200001','360610200002','360610206001','360610208001','360610208002','360610208003','360610212001','360610212002','360610212003','360610212004','360610214002','360610218001','360610218004','360610220001','360610220002','360610220003','360610220004','360610220005','360610222001','360610222002','360610224001','360610224002','360610224003','360610224004','360610226001','360610226002','360610226003']

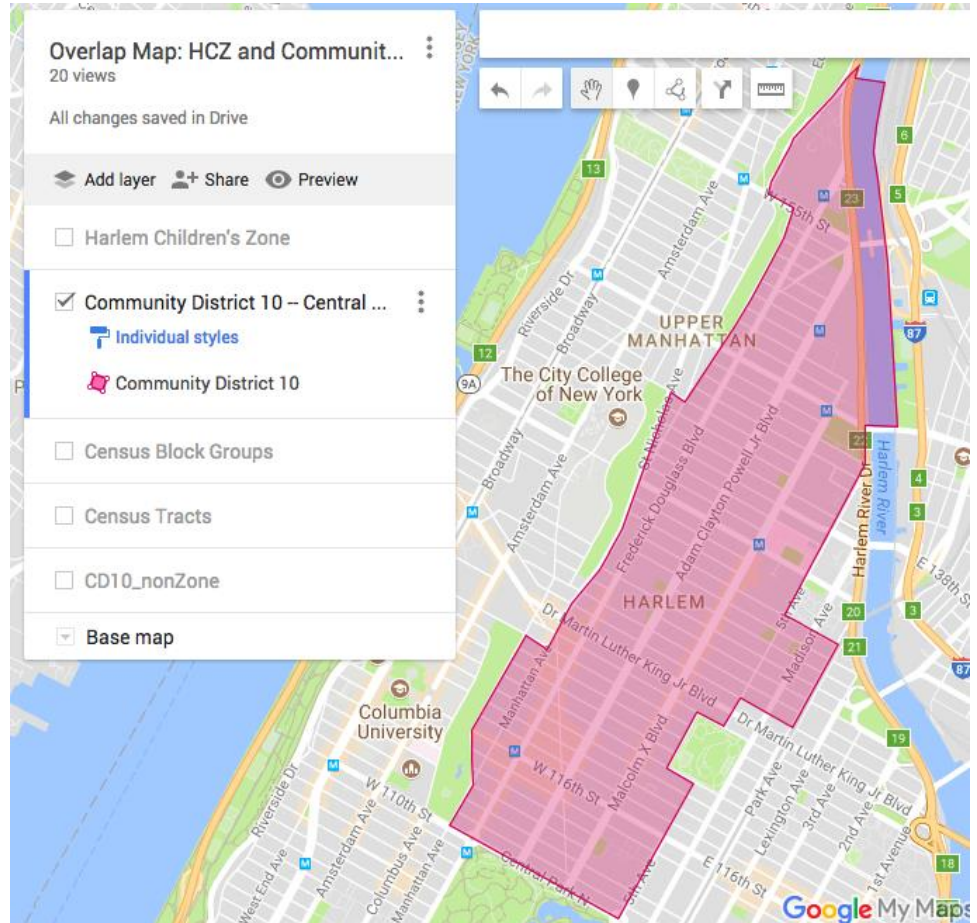
## Areas of Interest (continued)

- **PLEASE NOTE:** In an attempt to keep the different areas of interest as pure as possible, certain block groups were excluded. The block groups that were excluded fell into one of these categories: (a) block group with portion in the Zone and portion in CD10\_nonZone; (b) block group with portion in the Zone and portion in another Community District (that was not CD10).
  - These were the excluded block groups:
    - Part Zone/CD10 overlap, part CD10-only: [360610190001, 360610228003, 360610228002, 360610214001]
    - Part Zone, part non-anything (non-CD10 areas): [360610184002, 360610184001, 360610198001, 360610242001]
- VISUAL of 'Areas of Interest'
  - The following custom Google Map has several 'layers' that can be selected/deselected:  
<https://www.google.com/maps/d/edit?mid=15OzmkGJoOG5if4GdXYDAyL9sGqGcMGq4&ll=40.81979444078145%2C-73.9380606213989&z=14>
  - The layers are as follows:
    - Harlem Children's Zone



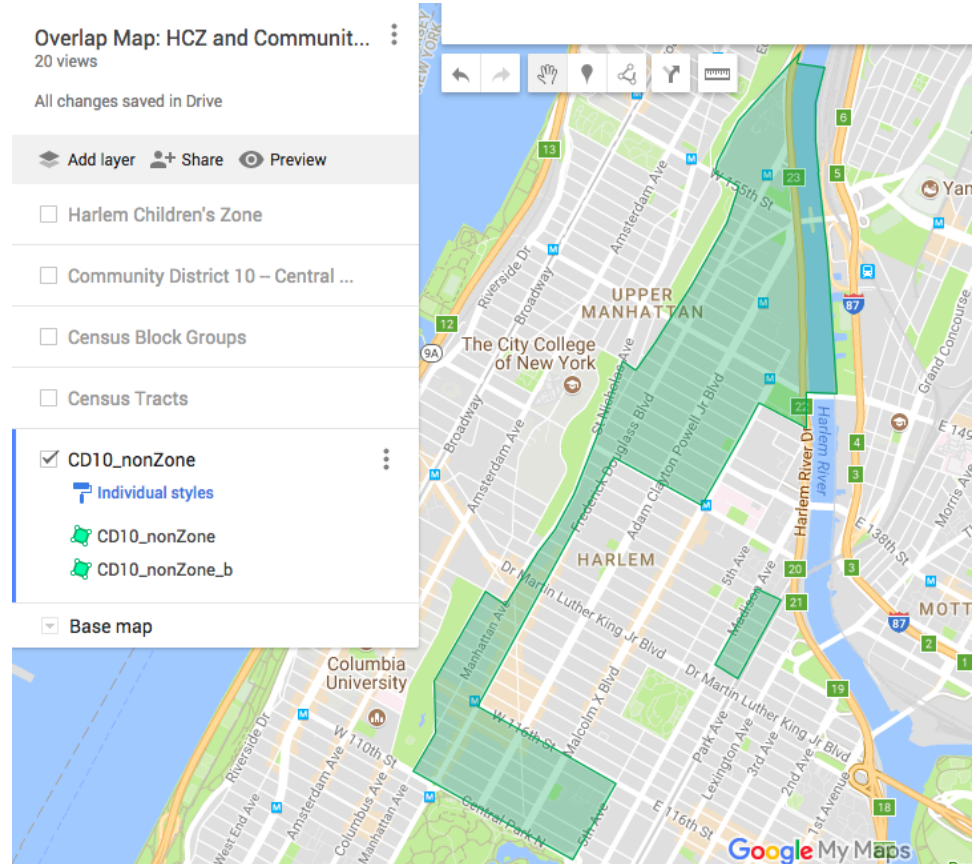
## Areas of Interest (continued)

- Community District 10 -- Central Harlem, PUMA, NY



## Areas of Interest (continued)

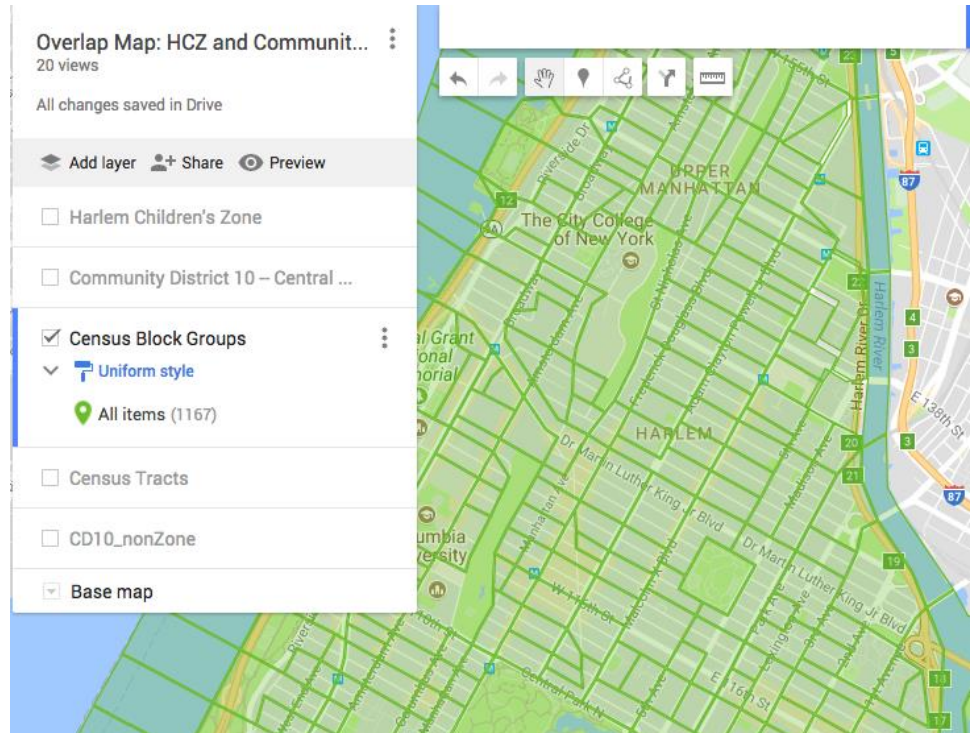
- CD10\_nonZone



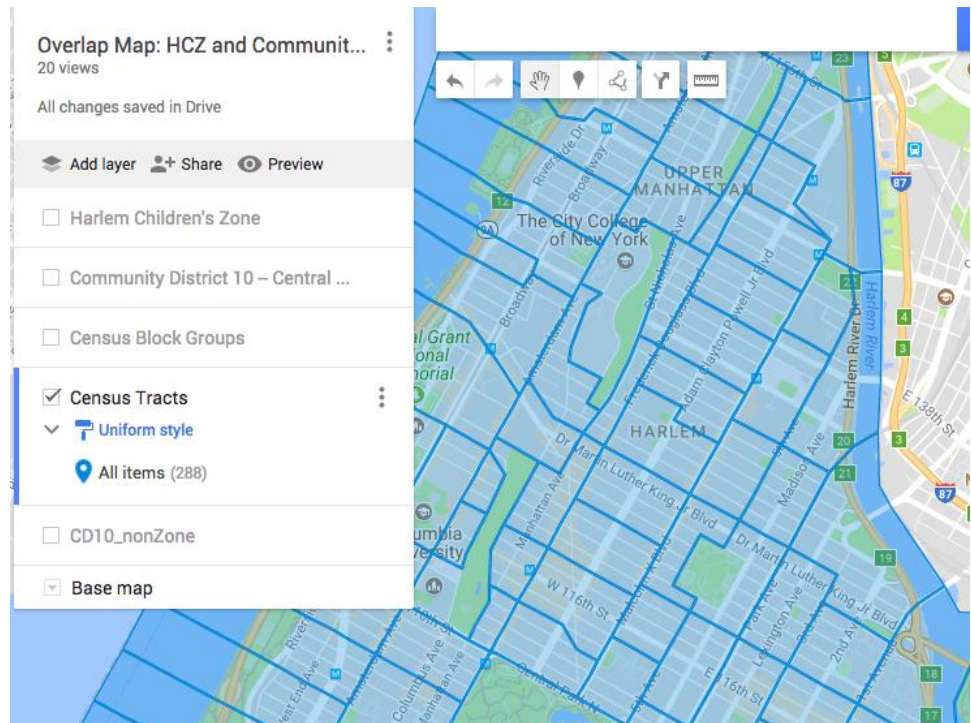


## Areas of Interest (continued)

### ○ Census Block Groups



### ○ Census Tracts



## Exact datasets used

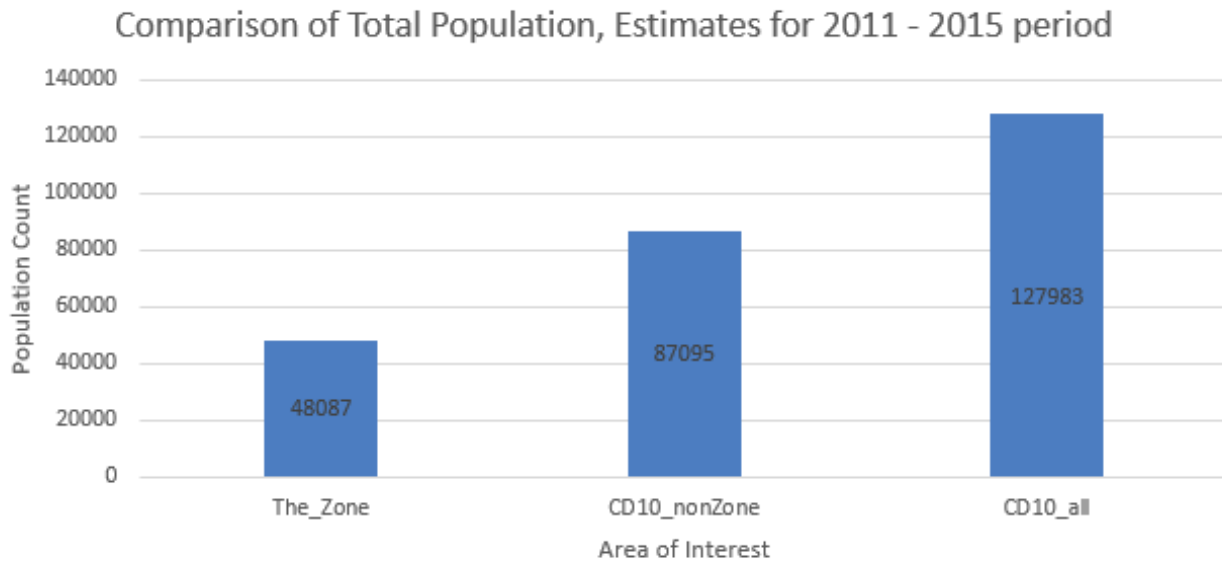
- Raw data sets were obtained from **American Fact Finder**:
  - <https://factfinder.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t&keepList=f>
  - Use the left-side menu to choose 'Geographies', then use the following search parameters:

The screenshot shows the American Fact Finder search interface. On the left, a sidebar titled 'Your Selections' is empty. Below it, a section 'Search using the options below:' lists categories: Topics (age, income, year, dataset, ...), Geographies (states, counties, places, ...), Race and Ethnic Groups (race, ancestry, tribe), Industry Codes (NAICS industry, ...), and EEO Occupation Codes (executives, analysts, ...). The 'Geographies' category is selected. The main area is titled 'To search for tables and other files in American FactFinder:' and contains a search bar with the text 'Enter search terms and an optional geography and click GO'. Below the search bar, there are tabs for 'List', 'Name', 'Address', and 'Map'. The 'List' tab is active. The main content area is titled 'Select Geographies' and includes a section 'Select geographies to add to Your Selections'. This section has two radio buttons: 'most requested geographic types' (selected) and 'all geographic types'. Below these are three dropdown menus: 'Select a geographic type:' (showing 'Block Group - 150'), 'Select a state:' (showing 'New York'), and 'Select a county:' (showing 'New York'). At the bottom, there is a section 'Select one or more geographic areas and click Add to Your Selections:' with a text box containing 'All Block Groups within New York County, New York'. Below the text box are two buttons: 'ADD TO YOUR SELECTIONS' and 'ABOUT THIS GEOGRAPHY'. At the very bottom, a note says 'Didn't find your geographic type? Click the 'all geographic types' radio button above, or try the Name, Address or Map geography search options instead.'

- Raw data sets then were filtered to include only block groups within Areas of Interest.
- List of data sets obtained (raw data sets can be found in folder on DataKind shared drive):
  - ACS\_16\_5YR\_B01001
  - ACS\_16\_5YR\_B01003
  - ACS\_16\_5YR\_B02001
  - ACS\_16\_5YR\_B11001

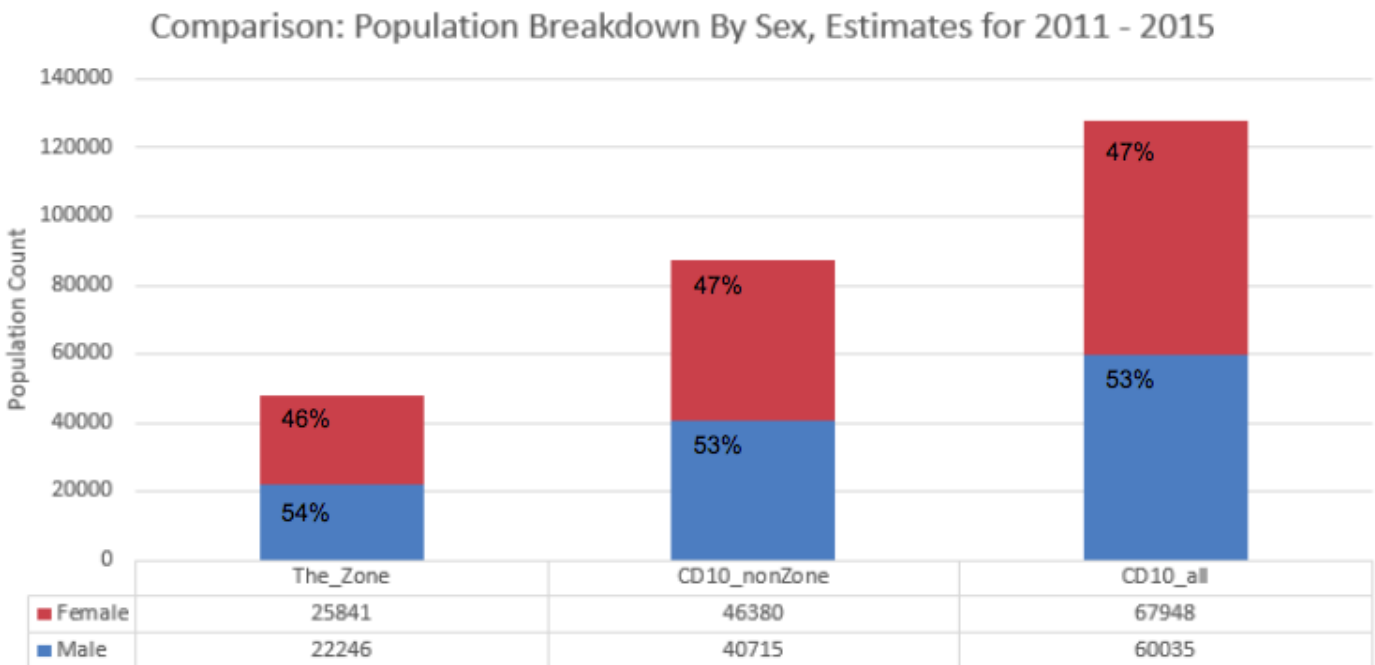
## Total Population

PLEASE NOTE: Population counts for 'The\_Zone' and 'CD10\_nonZone' do not add up to count for 'CD10\_all' because certain block groups were excluded in an attempt to keep the areas of interest 'pure'.



## Total Population: Female vs Male

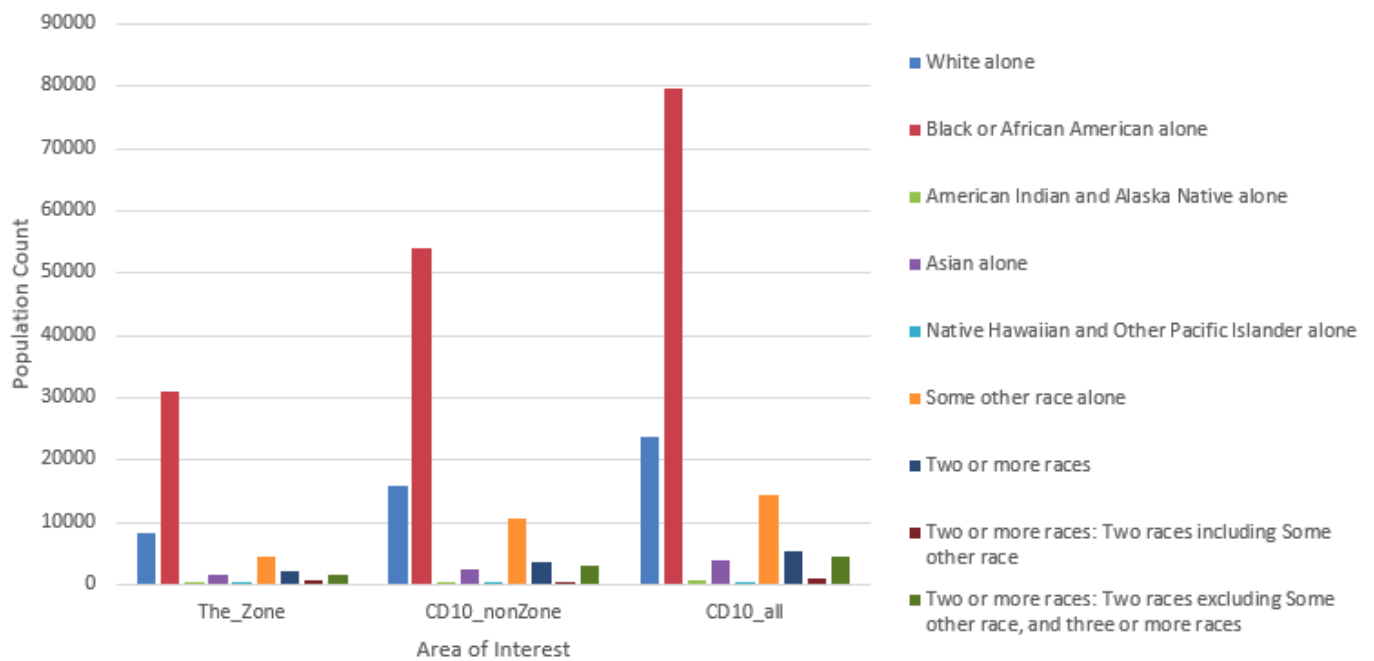
Percentages shown are percent out of total population for area of interest.





## Population by Race

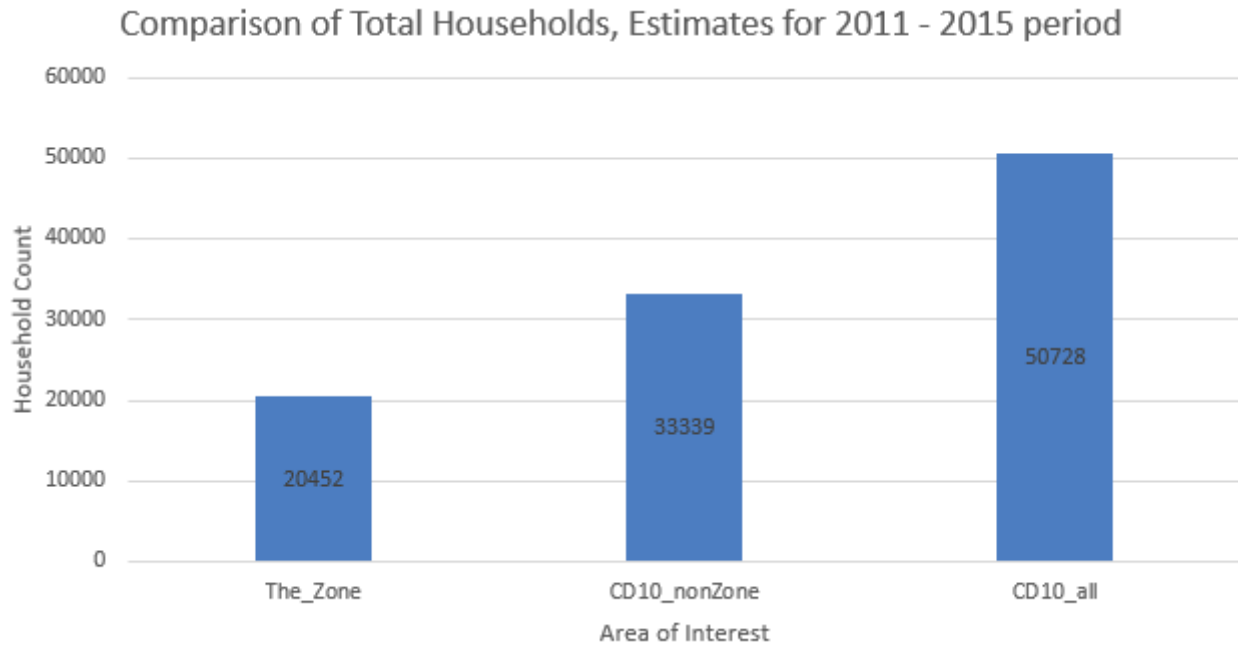
Comparison: Population Breakdown By Race, Estimates for 2011 - 2015



Percentages shown are percent out of total population for area of interest.

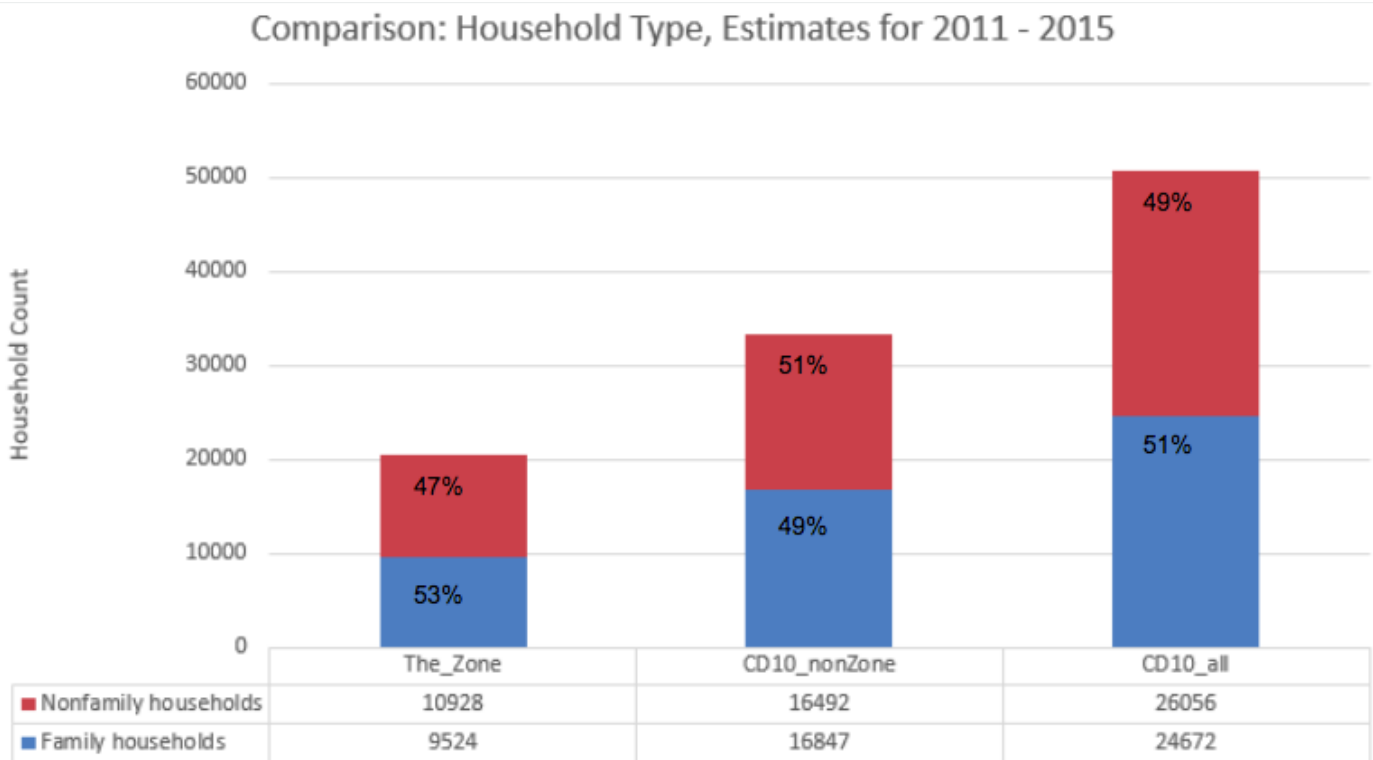
	The_Zone	CD10_nonZone	CD10_all
White alone	17.39	18.29	18.51
Black or African American alone	64.51	62.02	62.24
American Indian and Alaska Native alone	0.30	0.51	0.46
Asian alone	3.34	2.93	3.15
Native Hawaiian and Other Pacific Islander alone	0.08	0.09	0.09
Some other race alone	9.60	12.14	11.25
Two or more races	4.79	4.02	4.30
Two or more races: Two races including Some other race	1.21	0.65	0.80
Two or more races: Two races excluding Some other race, and three or more races	3.59	3.37	3.50

## Total Households

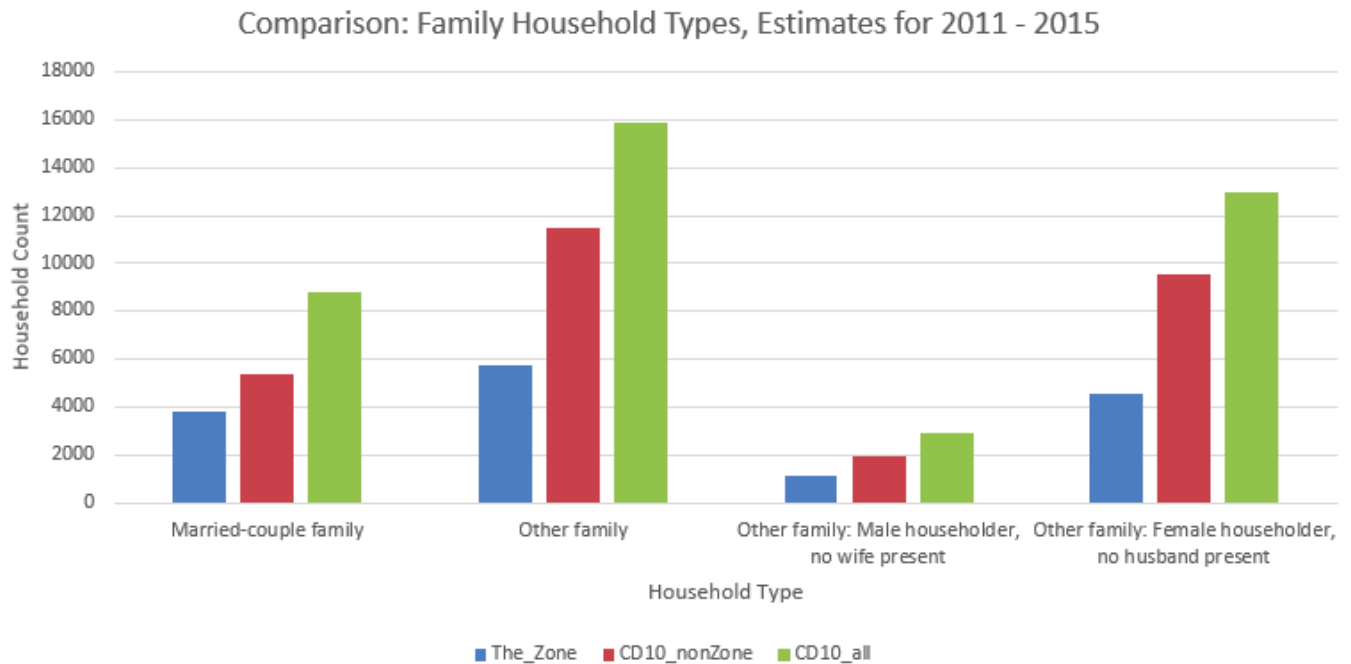


## Total Households: Family vs Non-family

Percentages shown are percent out of total households for area of interest.



## Breakdown: Family Households



## Breakdown: Family Households (continued)

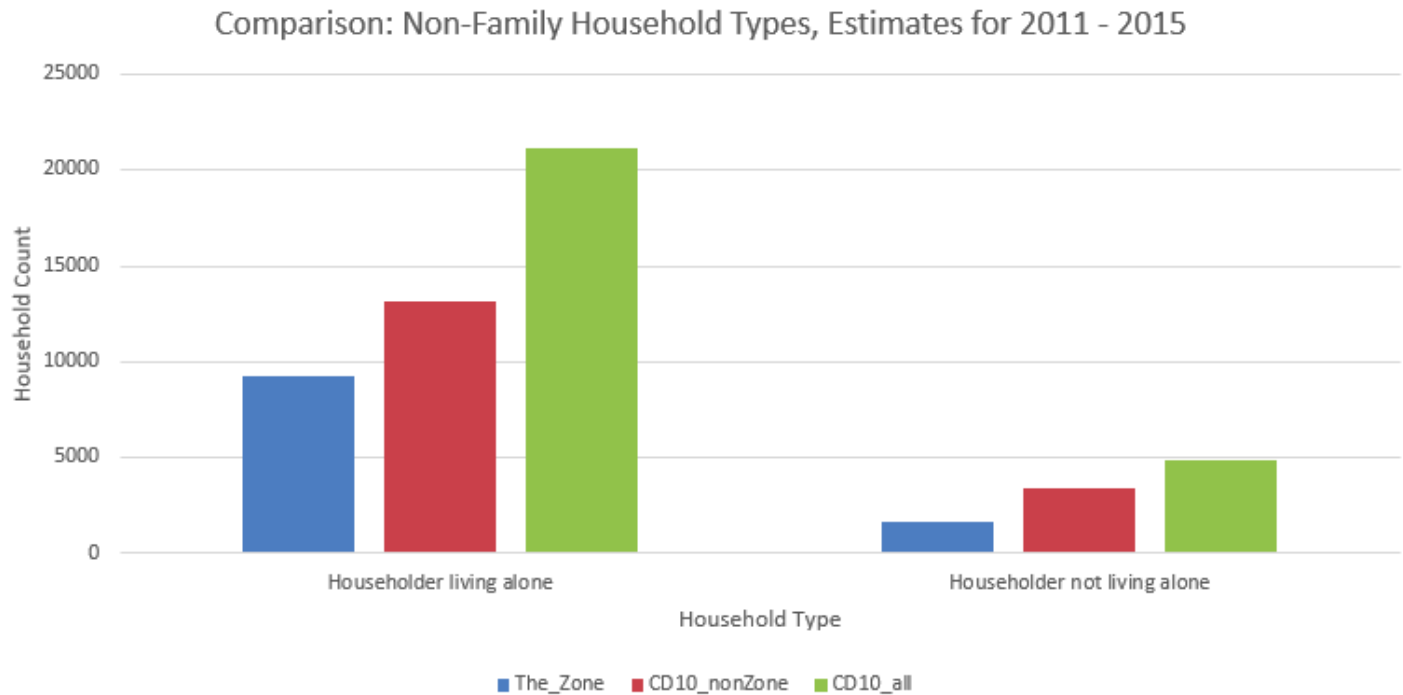
### Percentage out of Total Households in Area of Interest

	The_Zone	CD10_nonZone	CD10_all
Married-couple family	18.60	16.04	17.31
Other family: Male householder, no wife present	5.59	5.86	5.77
Other family: Female householder, no husband present	22.37	28.63	25.55

### Percentage out of Total Family Households in Area of Interest

	The_Zone	CD10_nonZone	CD10_all
Married-couple family	39.94	31.75	35.60
Other family: Male householder, no wife present	12.01	11.60	11.86
Other family: Female householder, no husband present	48.05	56.65	52.54

## Breakdown: Non-Family Households



## Breakdown: Non-Family Households (continued)

### Percentage out of Total Households in Area of Interest

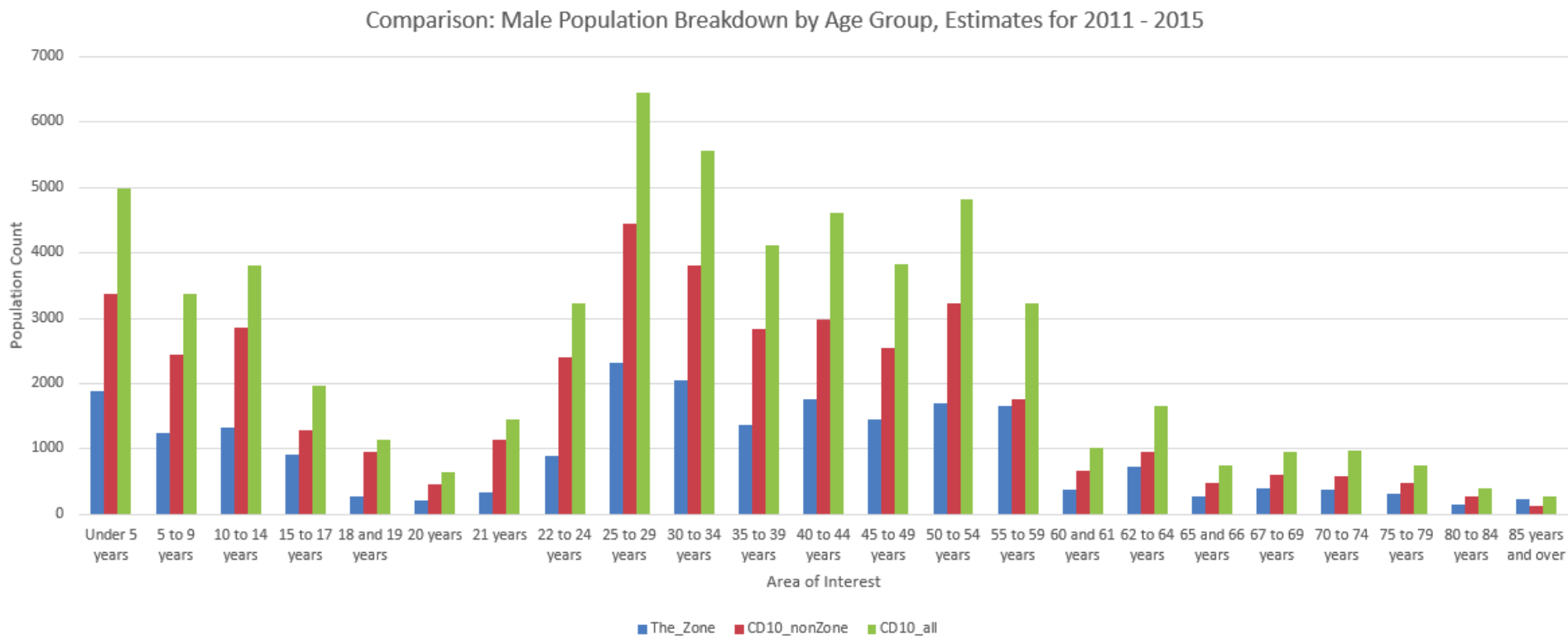
	The_Zone	CD10_nonZone	CD10_all
Householder living alone	85.05	79.51	81.34
Householder not living alone	14.95	20.49	18.66

### Percentage out of Total Non-Family Households in Area of Interest

	The_Zone	CD10_nonZone	CD10_all
Householder living alone	45.44	39.33	41.78
Householder not living alone	7.99	10.14	9.59

# Population Breakdown: Male Age Groups

Age group buckets were not changed from those in the raw data sets



## Population Breakdown: Male Age Groups (continued)

Percentage out of Total Population in Area of Interest

	The_Zone	CD10_nonZone	CD10_all
Under 5 years	3.92	3.87	3.90
5 to 9 years	2.59	2.80	2.64
10 to 14 years	2.78	3.28	2.98
15 to 17 years	1.90	1.47	1.54
18 and 19 years	0.58	1.09	0.90
20 years	0.42	0.54	0.51
21 years	0.71	1.32	1.14
22 to 24 years	1.84	2.75	2.52
25 to 29 years	4.81	5.10	5.04
30 to 34 years	4.26	4.37	4.35
35 to 39 years	2.86	3.26	3.22
40 to 44 years	3.65	3.43	3.60
45 to 49 years	3.02	2.93	2.99
50 to 54 years	3.54	3.71	3.77
55 to 59 years	3.45	2.01	2.52
60 and 61 years	0.78	0.77	0.79
62 to 64 years	1.53	1.09	1.29
65 and 66 years	0.57	0.55	0.59
67 to 69 years	0.82	0.69	0.74

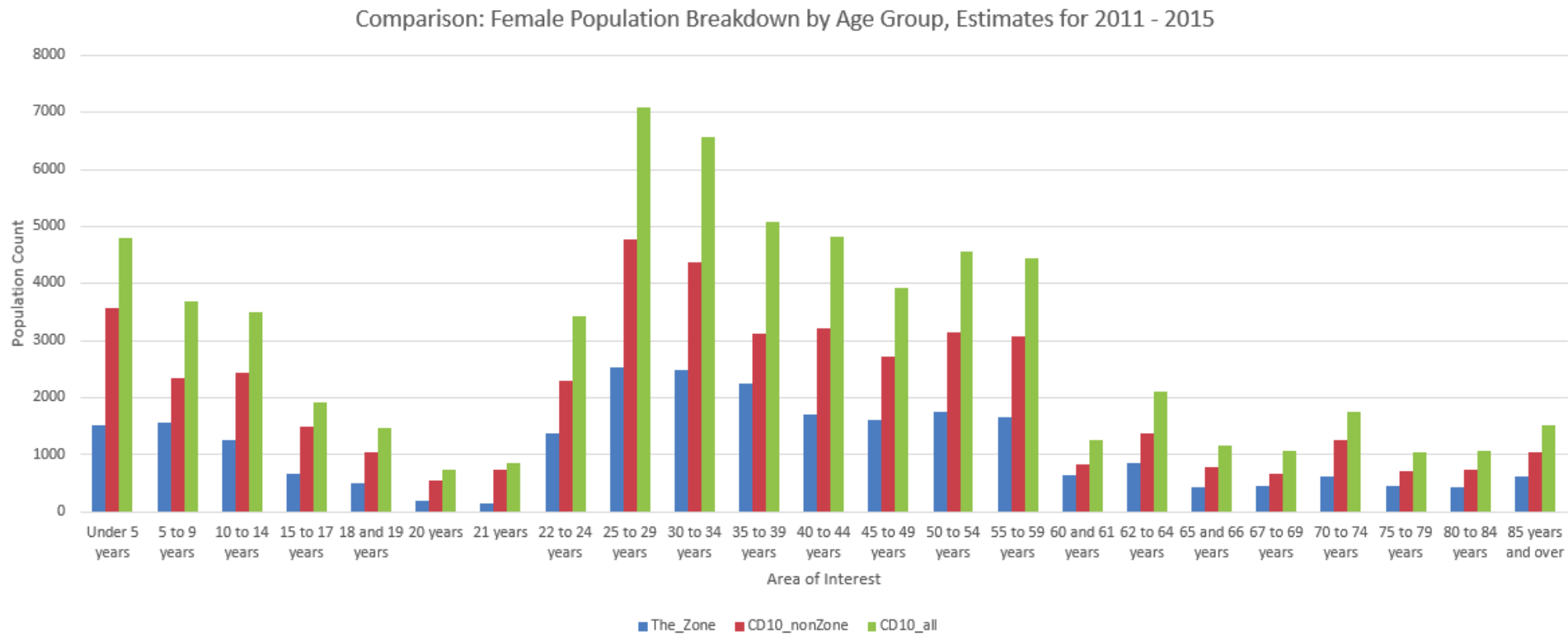
Percentage out of Total Male Population in Area of Interest

	The_Zone	CD10_nonZone	CD10_all
Under 5 years	8.47	8.27	8.32
5 to 9 years	5.59	5.99	5.62
10 to 14 years	6.01	7.02	6.35
15 to 17 years	4.11	3.14	3.29
18 and 19 years	1.26	2.34	1.92
20 years	0.91	1.15	1.09
21 years	1.53	2.82	2.43
22 to 24 years	3.98	5.88	5.37
25 to 29 years	10.39	10.92	10.74
30 to 34 years	9.21	9.34	9.28
35 to 39 years	6.17	6.96	6.87
40 to 44 years	7.90	7.34	7.67
45 to 49 years	6.53	6.28	6.37
50 to 54 years	7.65	7.93	8.03
55 to 59 years	7.47	4.31	5.38
60 and 61 years	1.68	1.64	1.68
62 to 64 years	3.30	2.34	2.76
65 and 66 years	1.23	1.17	1.25
67 to 69 years	1.78	1.47	1.58



# Population Breakdown: Female Age Groups

Age group buckets were not changed from those in the raw data sets.



## Population Breakdown: Female Age Groups (continued)

Percentage out of Total Population in Area of Interest

	The_Zone	CD10_nonZone	CD10_all
Under 5 years	3.18	4.10	3.76
5 to 9 years	3.24	2.68	2.87
10 to 14 years	2.62	2.81	2.73
15 to 17 years	1.41	1.72	1.50
18 and 19 years	1.04	1.20	1.15
20 years	0.42	0.64	0.58
21 years	0.30	0.85	0.66
22 to 24 years	2.88	2.64	2.69
25 to 29 years	5.28	5.49	5.55
30 to 34 years	5.18	5.03	5.14
35 to 39 years	4.70	3.59	3.97
40 to 44 years	3.56	3.70	3.77
45 to 49 years	3.36	3.13	3.07
50 to 54 years	3.63	3.61	3.56
55 to 59 years	3.46	3.54	3.47
60 and 61 years	1.34	0.95	0.99
62 to 64 years	1.81	1.59	1.65
65 and 66 years	0.90	0.91	0.92
67 to 69 years	0.97	0.77	0.83

Percentage out of Total Female Population in Area of Interest

	The_Zone	CD10_nonZone	CD10_all
Under 5 years	5.92	7.70	7.07
5 to 9 years	6.03	5.03	5.41
10 to 14 years	4.88	5.27	5.15
15 to 17 years	2.63	3.23	2.83
18 and 19 years	1.94	2.26	2.17
20 years	0.79	1.19	1.09
21 years	0.56	1.59	1.25
22 to 24 years	5.36	4.96	5.06
25 to 29 years	9.83	10.31	10.45
30 to 34 years	9.64	9.44	9.67
35 to 39 years	8.75	6.74	7.47
40 to 44 years	6.63	6.95	7.09
45 to 49 years	6.25	5.89	5.79
50 to 54 years	6.76	6.79	6.71
55 to 59 years	6.44	6.64	6.54
60 and 61 years	2.50	1.79	1.86
62 to 64 years	3.36	2.99	3.11
65 and 66 years	1.68	1.70	1.72
67 to 69 years	1.81	1.44	1.56

There is a website that contains interactive heatmaps for demographics information for Community District 10. You can even choose to view the breakdowns by Block Groups. These heatmaps, charts and tables are EXTREMELY detailed! I highly recommend that these are viewed for even more demographic information. Although the information is for Community District 10, you can use the block group view of the data along with the custom Google Map that I provided earlier to dig into the Zone population deeper (but this will be manual, tedious work).

Here is a link to that site: <https://statisticalatlas.com/neighborhood/New-York/New-York/Harlem/Overview>