

New York City Census FactFinder

New York City's Census Data Aggregation Tool

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Outline

- 1. Background**
 - a. Decennial Census vs. American Community Survey**
 - b. Census Tracts and Neighborhood Tabulation Areas**
- 2. New York City Census FactFinder**
 - a. How it works**
 - b. Key benefits**
 - c. Future of CFF**
- 3. Live demonstration of NYC Census FactFinder**

2010 Census and ACS

- **2010 Census was a “short form” census ONLY, focusing on counting the U.S. population for congressional apportionment and legislative redistricting. Questions on age, sex, race, Hispanic origin, relationship to head, & housing tenure**
- **The socioeconomic data are now collected in the ACS**

ACS Variables

Table 1. **Subjects Included in the American Community Survey**

Demographic Characteristics

Age
Sex
Hispanic Origin
Race
Relationship to Householder
(e.g., spouse)

Economic Characteristics

Income
Food Stamps Benefit
Labor Force Status
Industry, Occupation, and Class
of Worker
Place of Work and Journey to
Work
Work Status Last Year
Vehicles Available
Health Insurance Coverage*

Social Characteristics

Marital Status and Marital History*
Fertility
Grandparents as Caregivers
Ancestry
Place of Birth, Citizenship, and
Year of Entry
Language Spoken at Home
Educational Attainment and
School Enrollment
Residence One Year Ago
Veteran Status, Period of Military
Service, and VA Service-
Connected Disability Rating*
Disability

Housing Characteristics

Year Structure Built
Units in Structure
Year Moved Into Unit
Rooms
Bedrooms
Kitchen Facilities
Plumbing Facilities
House Heating Fuel
Telephone Service Available
Farm Residence

Financial Characteristics

Tenure (Owner/Renter)
Housing Value
Rent
Selected Monthly Owner Costs

*Marital History, VA Service-Connected Disability Rating, and Health Insurance Coverage are new for 2008.

Source: U.S. Census Bureau.

****Computer Ownership & Internet Access – New for 2013**

The ACS Sample - reliability

- **ACS samples 3.5 million addresses each year – 2.2 million final interviews**
- **As a result, the ACS needs to combine data from multiple years to produce reliable numbers for small geographic areas**
- **ACS publishes Margins of Error (MOEs) to let users know how reliable estimates are**

Example:

Income of \$60,000

has MoE of \$5,000

Could be as high as \$65,000

Could be as low as \$55,000

What are acceptable levels of relative reliability when using ACS estimates?

“CVs of 10-12 percent or less are often accepted as a reasonable standard of precision for an estimate.”

– *Using the American Community Survey: Benefits and Challenges, 2007*

“While there is no hard-and-fast rule, for the purposes of this handbook, estimates with CVs of more than 15 percent are considered cause for caution when interpreting patterns in the data.”

– *Census Bureau’s ACS Compass Handbook Series, 2009*

Remember:

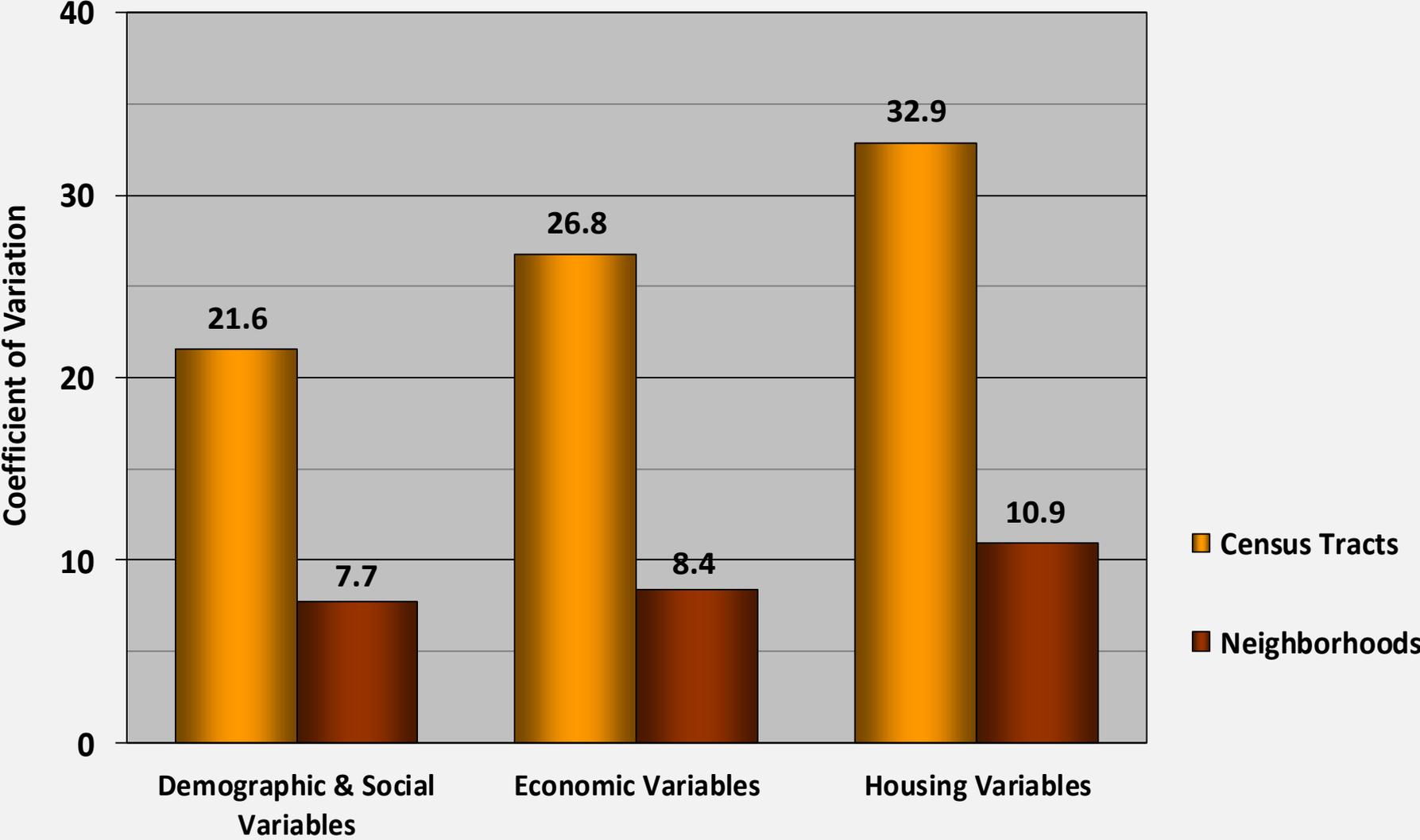
**Income of \$60,000
with CV of 20 percent
has MoE of +/- \$20,000**

Reliability of ACS Poverty Data Across Tracts of Varying Size

Tract Population	Number of Tracts	Median CV	Mean CV
Less than 1000	713	31.3	37.9
1000-2999	18910	29.0	32.6
3000-4999	30568	28.1	31.0
5000-6999	16263	28.2	30.5
7000 or more	5831	27.8	29.6
Source: PRB analysis of 2008-2012 ACS data.			

Median Overall Coefficients of Variation for Bronx Census Tracts and Neighborhoods, 2001-2005 ACS

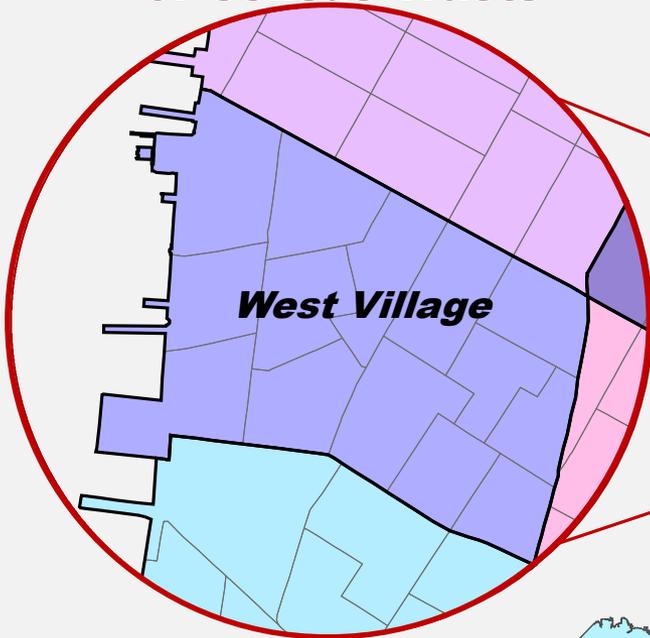
Ratio of Tract CV to Neighborhood CV = 2.81 3.19 3.02



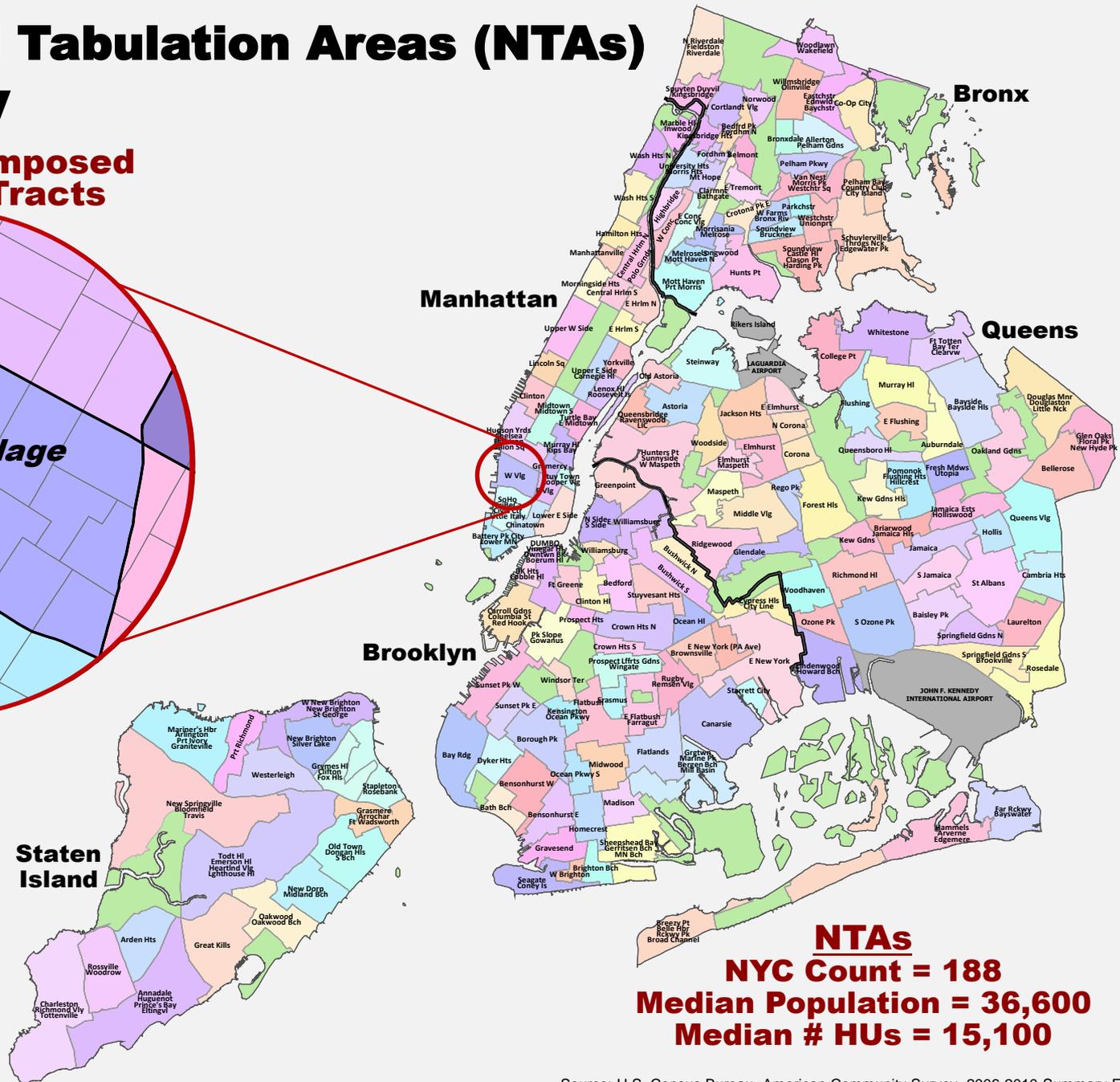
Neighborhood Tabulation Areas (NTAs)

New York City

NTAs are composed of Census Tracts



West Village



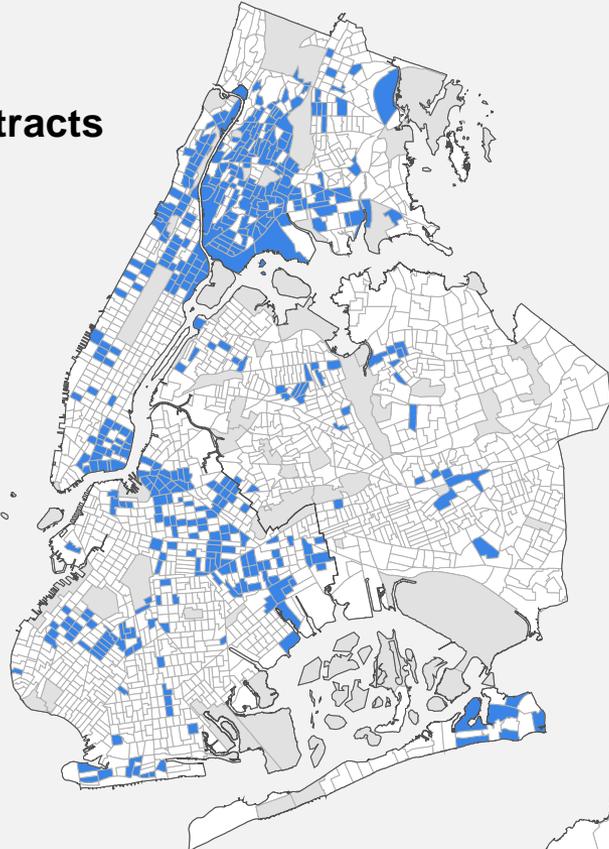
NTAs
NYC Count = 188
Median Population = 36,600
Median # HUs = 15,100

Source: U.S. Census Bureau, American Community Survey, 2006-2010 Summary File
 Population Division-New York City Department of City Planning

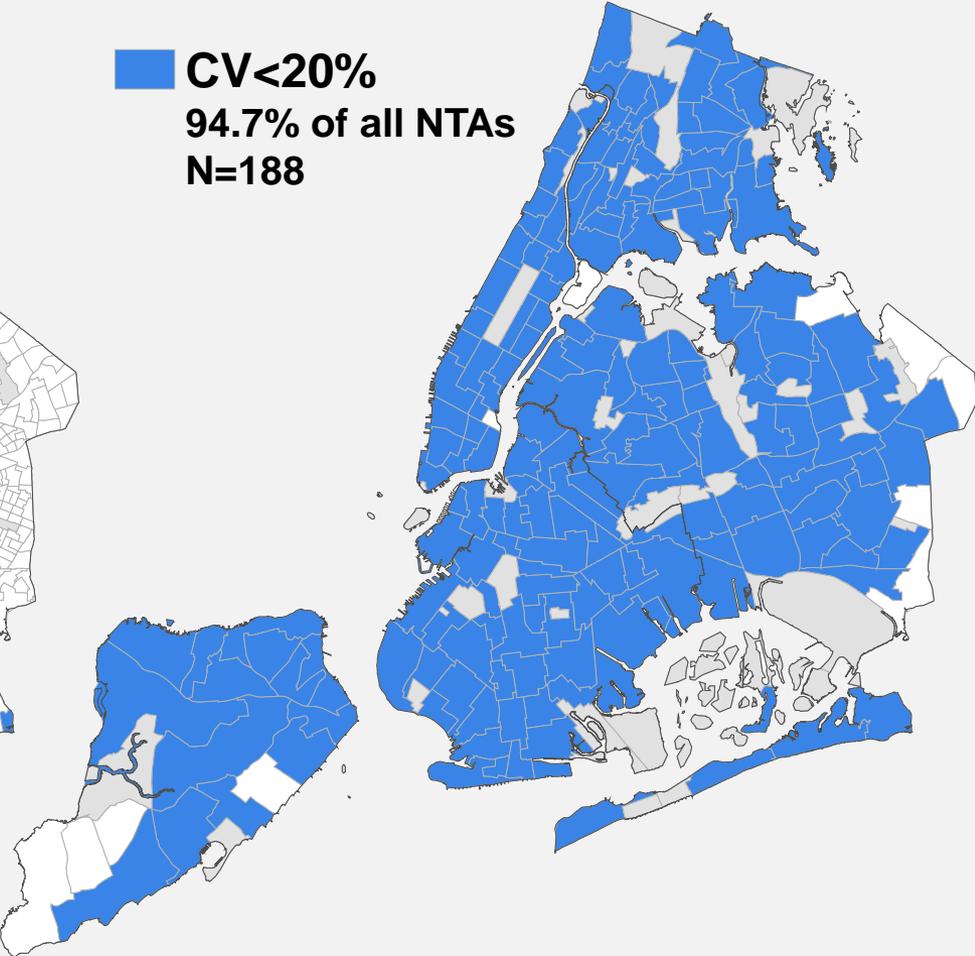
Neighborhood Tabulation Areas or NTAs, are aggregations of census tracts that are subsets of New York City's 55 Public Use Microdata Areas (PUMAs). Primarily due to these constraints, NTA boundaries and their associated names may not definitively represent neighborhoods.

Coefficients of Variation (CV) for Population Living Below Poverty New York City Census Tracts & Neighborhoods (NTAs), 2008-2012

CV < 20%
20.1% of all tracts
N=2,168



CV < 20%
94.7% of all NTAs
N=188



Source: U.S. Census Bureau, 2008-2012 American Community Survey-Summary File
Population Division-New York City Department of City Planning

New York City Census FactFinder



Geographic Data Source

Show Data by:

- Census Tract
- Neighborhood Tabulation Area

Search for a Location

SEARCH TYPE

Address

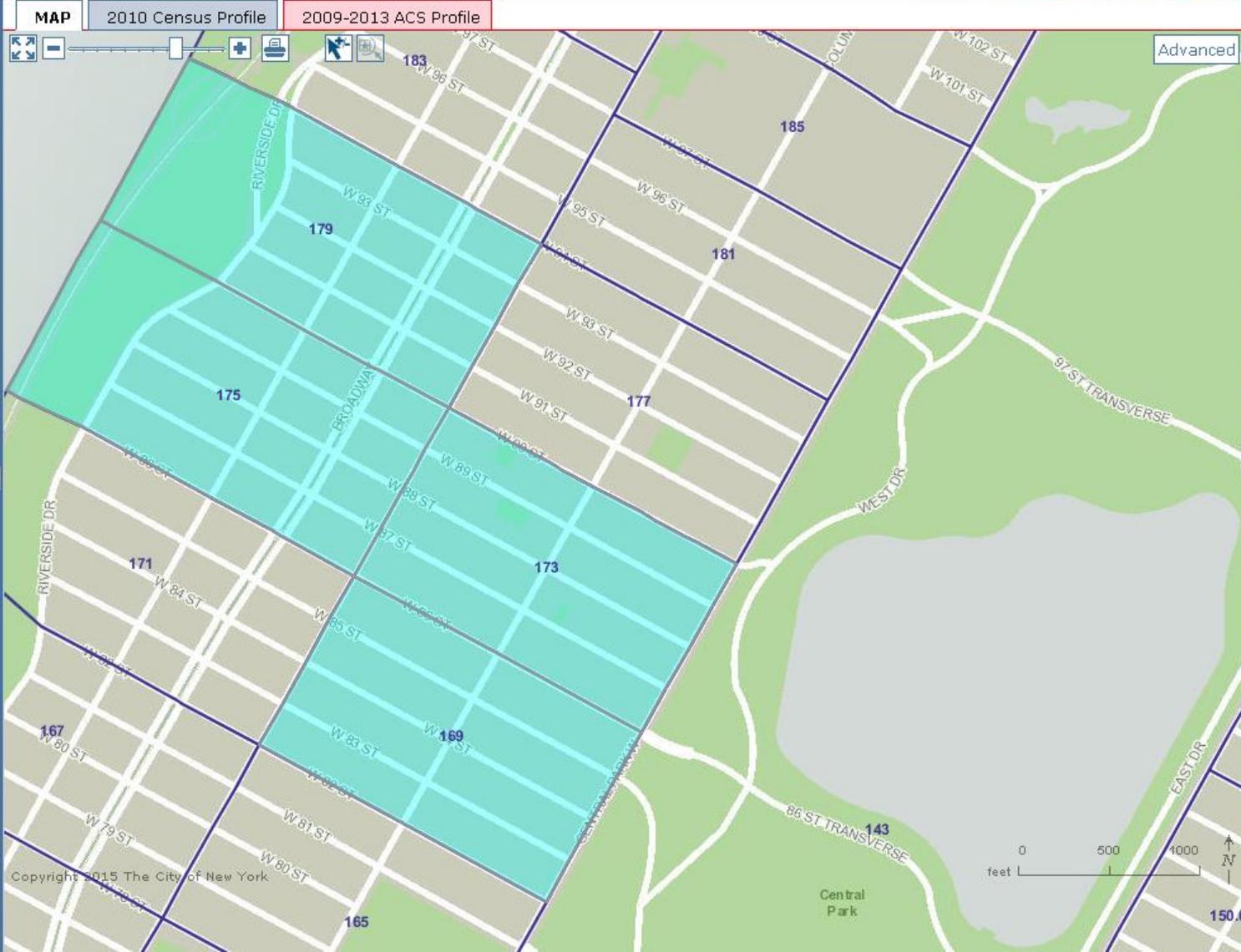
ADDRESS NUMBER

STREET NAME

BOROUGH

Find

Selected Census Tract(s):
Manhattan 179, 175, 173, 169



Geographic Data Source

Show Data by:

Census Tract

Neighborhood Tabulation Area

MAP 2010 Census Profile 2009-2013 ACS Profile

Selected Tracts: Manhattan 179, 175, 173, 169

Search for a Location

SEARCH TYPE

Address

ADDRESS NUMBER

STREET NAME

BOROUGH

Find

Selected Census Tract(s):
Manhattan 179, 175, 173, 169

Demographics **Demographic Change**

Demographic Change	Selected Tracts			
	2000	2010	Change, 2000-2010	
	Number	Number	Number	Percent
RACE/HISPANIC ORIGIN				
Total population	37,854	37,160	-694	-1.8%
White nonhispanic	28,119	27,706	-413	-1.5%
Black/African American nonhispanic	2,269	1,914	-355	-15.6%
Asian nonhispanic	1,665	2,148	483	29.0%
Some other race nonhispanic	221	190	-31	-14.0%
Nonhispanic of two or more races	668	684	16	2.4%
Hispanic origin	4,912	4,518	-394	-8.0%
SEX AND AGE				
Female	19,929	19,830	-99	-0.5%
Male	17,925	17,330	-595	-3.3%
Under 5 years	1,945	2,051	106	5.4%
5 to 9 years	1,408	1,588	180	12.8%
10 to 14 years	1,161	1,437	276	23.8%
15 to 19 years	1,018	1,157	139	13.7%
20 to 24 years	1,715	1,642	-73	-4.3%
25 to 29 years	3,941	3,344	-597	-15.1%
30 to 34 years	4,718	3,274	-1,444	-30.6%
35 to 39 years	4,009	3,038	-971	-24.2%
40 to 44 years	3,314	2,917	-397	-12.0%
45 to 49 years	2,969	2,801	-168	-5.7%
50 to 54 years	3,010	2,697	-313	-10.4%
55 to 59 years	2,202	2,617	415	18.8%

Sources: US Census Bureau, 2000 and 2010 Censuses, SF1
Population Division - New York City Department of City Planning

Geographic Data Source
[MAP](#) | [2010 Census Profile](#) | [2009-2013 ACS Profile](#)
Selected Census Tracts: Manhattan 169, 173, 175, 179

Show Data by:

Census Tract

Neighborhood Tabulation Area

[Demographics](#) | [Social](#) | [Economic](#) | [Housing](#)
Reliability Data
 Show Hide

Search for a Location

SEARCH TYPE

Address

ADDRESS NUMBER

STREET NAME

BOROUGH

Selected Census Tract(s):
 Manhattan 179, 175, 173, 169

Selected Economic Characteristics
 (Grayed values denote less reliable estimates*)

 Selected Tracts

	Number			Percent	
	Estimate	MOE	CV*	Estimate	MOE
INCOME AND BENEFITS					
Total households	18,049	592	2.0	100.0	
Less than \$10,000	1,224	320	15.9	6.8	1.8
\$10,000 to \$14,999	524	216	25.1	2.9	1.2
\$15,000 to \$24,999	531	204	23.3	2.9	1.1
\$25,000 to \$34,999	914	253	16.8	5.1	1.4
\$35,000 to \$49,999	1,555	345	13.5	8.6	1.9
\$50,000 to \$74,999	2,085	381	11.1	11.6	2.1
\$75,000 to \$99,999	1,729	313	11.0	9.6	1.7
\$100,000 to \$149,999	3,166	480	9.2	17.5	2.6
\$150,000 to \$199,999	2,071	401	11.8	11.5	2.2
\$200,000 or more	4,250	461	6.6	23.5	2.4
Median household income (dollars)	105,560	4,796	2.8		
Mean household income (dollars)	177,843	8,486	2.9		
With Supplemental Security Income	699	241	21.0	3.9	1.3
With cash public assistance income	232	128	33.7	1.3	0.7
With Food Stamp/SNAP benefits in the past 12 months	966	306	19.3	5.4	1.7
Families	8,220	574	4.2	100.0	
Less than \$10,000	209	138	40.2	2.5	1.7
\$10,000 to \$14,999	77	81	63.6	0.9	1.0
\$15,000 to \$24,999	212	173	49.5	2.6	2.1
\$25,000 to \$34,999	222	112	30.7	2.7	1.3
\$35,000 to \$49,999	316	133	25.5	3.8	1.6
\$50,000 to \$74,999	525	198	22.9	6.4	2.4
\$75,000 to \$99,999	655	218	20.2	8.0	2.6
\$100,000 to \$149,999	1,617	377	14.2	19.7	4.4
\$150,000 to \$199,999	1,263	361	17.4	15.4	4.3
\$200,000 or more	3,124	399	7.8	38.0	4.1
Median family income (dollars)	160,965	10,655	4.0		

Searched Locations

Geographic Data Source

MAP 2010 Census Profile **2009-2013 ACS Profile**

Selected Census Tracts: Manhattan 169, 173, 175, 179

Show Data by:

- Census Tract
- Neighborhood Tabulation Area

Demographics Social **Economic** Housing

Number

MOE

CV*

Percent
Rate MOE

Selected Economic Characteristics
(Grayed values denote less reliable estimates*)

INCOME AND BENEFITS

	Number	MOE	CV*	Percent Rate	MOE
Total households				100.0	
Less than \$10,000	1,224	320	15.9	6.8	1.8
\$10,000 to \$14,999	524	216	25.1	2.9	1.2
\$15,000 to \$24,999	531	204	23.3	2.9	1.1
\$25,000 to \$34,999	914	253	16.8	5.1	1.4
\$35,000 to \$49,999	1,555	345	13.5	8.6	1.9
\$50,000 to \$74,999	2,085	381	11.1	11.6	2.1
\$75,000 to \$99,999	1,729	313	11.0	9.6	1.7
\$100,000 to \$149,999	3,166	480	9.2	17.5	2.6
\$150,000 to \$199,999	2,071	401	11.8	11.5	2.2
\$200,000 or more	4,250	461	6.6	23.5	2.4
Median household income (dollars)	105,560	4,796	2.8		
Mean household income (dollars)	177,843	8,486	2.9		
Median family income (dollars)	69,999	2,411	21.0	3.9	1.3
Mean family income (dollars)	23,200	1,280	33.7	1.3	0.7
Mean household income (dollars)	9,660	306	19.3	5.4	1.7
	8,220	574	4.2	100.0	
	209	138	40.2	2.5	1.7
	77	81	63.6	0.9	1.0
	212	173	49.5	2.6	2.1
	222	112	30.7	2.7	1.3
	133	133	25.5	3.9	4.1

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Address

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Searched Locations

Key Benefits & Looking to the Future



Key Benefits to NYC Census FactFinder

- 1. Aggregate statistics on the fly for custom study areas**
- 2. Clearly addresses issues of ACS data reliability**
- 3. New York City specific**
- 4. One of a kind**

Looking to the Future

1. Annual data update and expanded content
2. Targeted visualizations?
3. Longitudinal socioeconomics?

Web Link and Feedback

- **New York City Census FactFinder:**
www.nyc.gov/cff
- **NYC Census Factfinder Feedback email address:**
CFF_DL@planning.nyc.gov

