# The Population of New York City Current Trends and Ongoing Challenges

Presentation for Office of Citywide Health Insurance Access

June 25, 2014

Joel Alvarez & Adam Attar

**Population Division** 

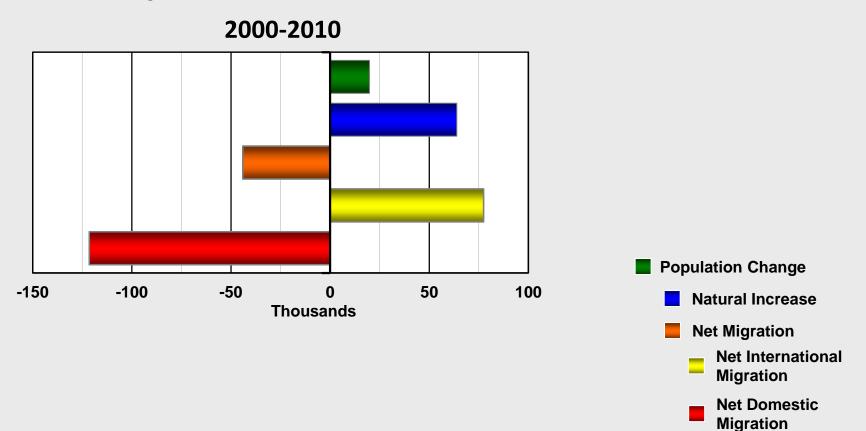


# Demographic Profile

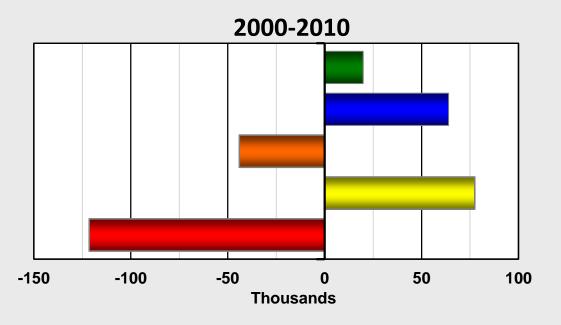
## Population Change for the 10 Largest Cities in the U.S., 2000 to 2013 Ranked by Population in 2013

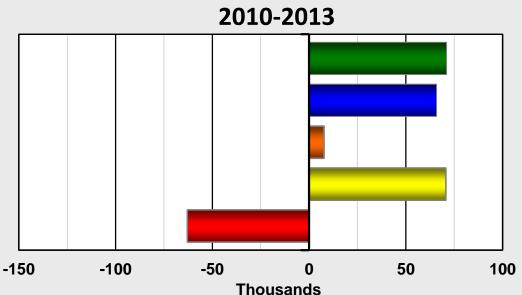
	Geographic Area	Total Population		Population Change	
				2000-	2013
Rank	NYC and Boroughs	2000	2013	Number	Percent
1	New York, NY*	8,008,278	8,405,837	397,559	5.0
2	Los Angeles, CA*	3,694,820	3,884,307	189,487	5.1
3	Chicago, IL	2,896,016	2,718,782	-177,234	-6.1
	Brooklyn, NY	2,465,326	2,592,149	126,823	5.1
	Queens, NY*	2,229,379	2,296,175	66,796	3.0
4	Houston, TX*	1,953,631	2,195,914	242,283	12.4
	Manhattan, NY	1,537,195	1,626,159	88,964	5.8
5	Philadelphia, PA	1,517,550	1,553,165	35,615	2.3
6	Phoenix, AZ*	1,321,045	1,513,367	192,322	14.6
	Bronx, NY	1,332,650	1,418,733	86,083	6.5
7	San Antonio, TX*	1,144,646	1,409,019	264,373	23.1
8	San Diego, CA*	1,223,400	1,355,896	132,496	10.8
9	Dallas, TX*	1,188,580	1,257,676	69,096	5.8
10	San Jose, CA*	894,943	998,537	103,594	11.6
35	Sacramento, CA*	407,018	479,686	72,668	17.9
	Staten Island, NY*	443,728	472,621	28,893	6.5

## Estimated Components of Population Change (Annualized) New York City



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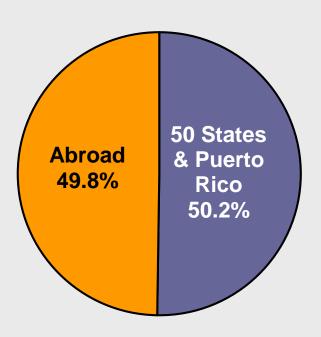


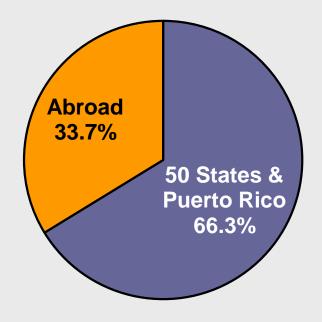
- Natural Increase
- Net Migration
  - Net International Migration
  - Net Domestic Migration

## Changing Origins of In-migrants to New York City, 1995-2000 and 2008-2012

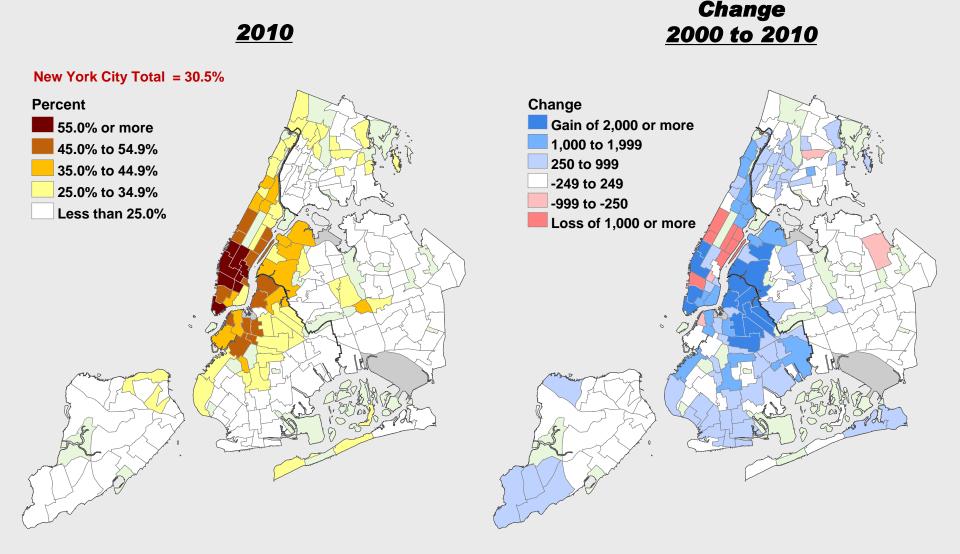
1995-2000

2008-2012





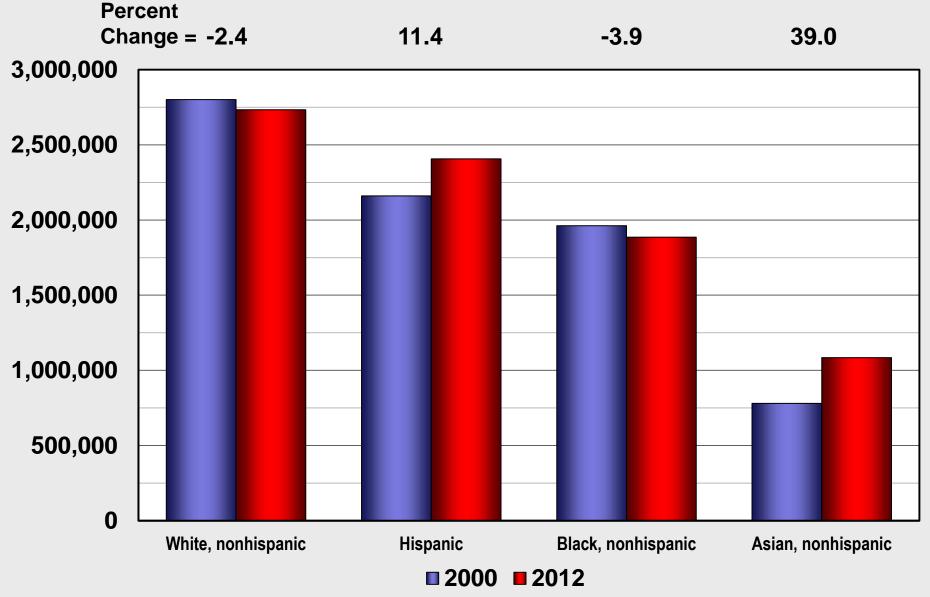
#### Non-Family Households with a Head of Household Under 65 Years by Neighborhood Tabulation Area\* New York City



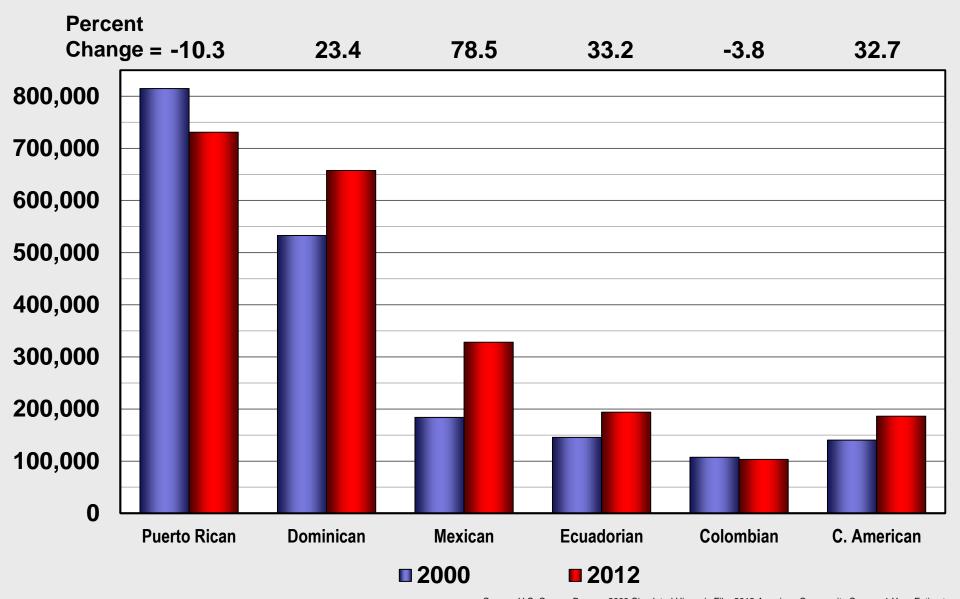
<sup>\*</sup> Neighborhood Tabulation Areas or NTAs, are aggregations of census tracts that are subsets of New York City's 55 Public Use Microdata Areas (PUMAs). Primarily due to these constraints, NTA boundaries and their associated names may not definitively represent neighborhoods.

# Change in Race and Hispanic Origin

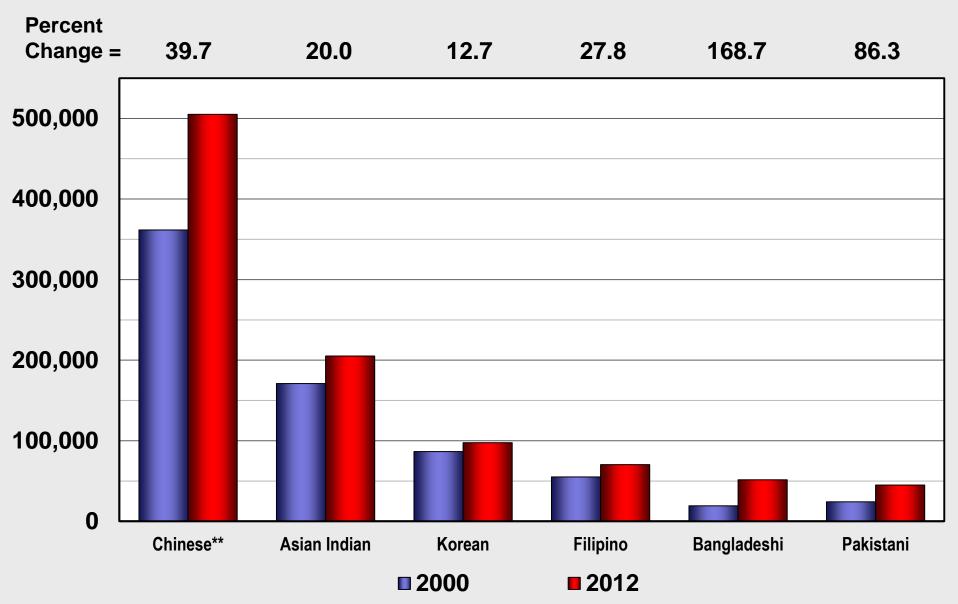
## Population by Mutually Exclusive Race and Hispanic Origin New York City, 2000-2012



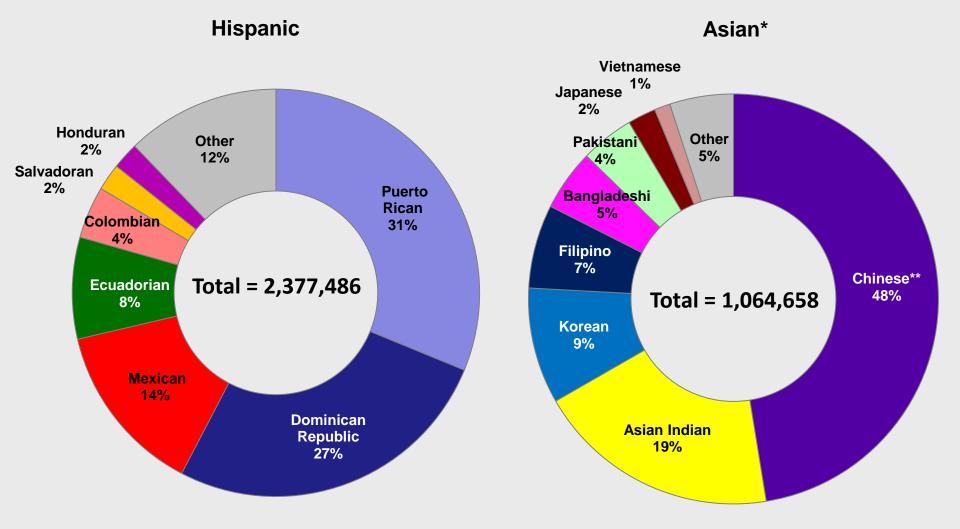
# Population by Hispanic Subgroup New York City, 2000-2012



# Population by Asian Subgroup New York City, 2000-2012\*



#### Hispanic and Asian Subgroups New York City, 2012



<sup>\*</sup>Includes a small number of Asians who are of Hispanic origin.

<sup>\*\*</sup> Includes Taiwanese

## The Foreign-born

# The Mew Yorkers

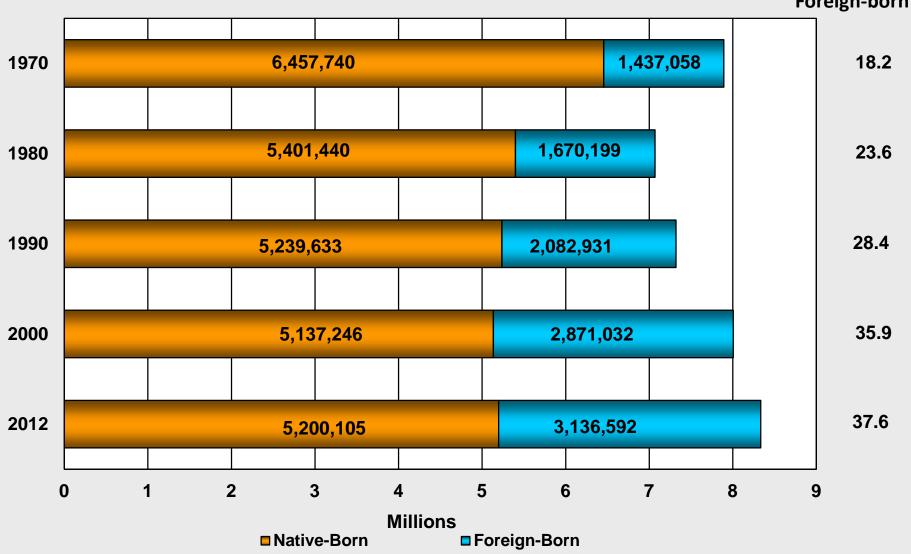
Characteristics of the City's Foreign-born Population

2013 edition

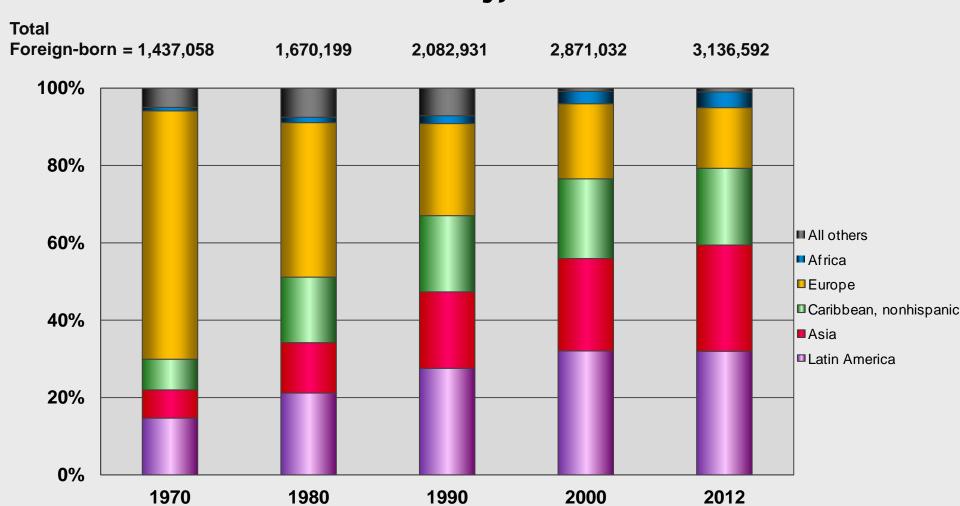


#### Total Population by Nativity New York City, 1970 to 2012

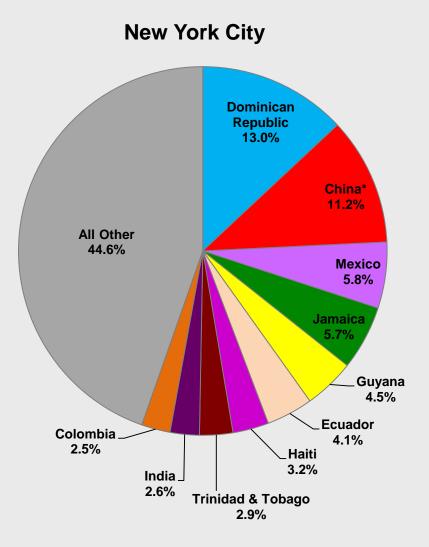


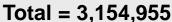


#### Foreign-Born by World Area of Origin New York City, 1970-2012

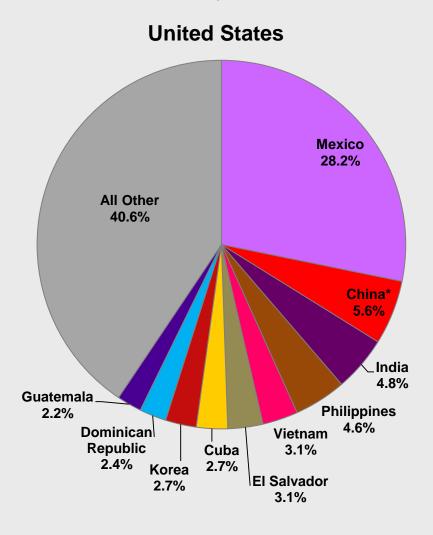


#### Top Ten Sources of the Foreign-born Population New York City and the United States, 2012





<sup>\*</sup> Includes the mainland, Hong Kong, and Taiwan.



Total = 40,738,224

# Settlement Patterns

#### Foreign-born by Neighborhood\* New York City, 2007-2011

New York City Total = 3,066,599 (2011 Data)

#### Foreign-born

40,000 or more (13 neighborhoods)

Staten Island 98,440 3.2%

30,000 to 39,999 (10)

20,000 to 29,999 (23)

12,000 to 19,999 (41)

9,000 to 11,999 (38)

Under 9,000 (57)

#### **Top Neighborhoods**

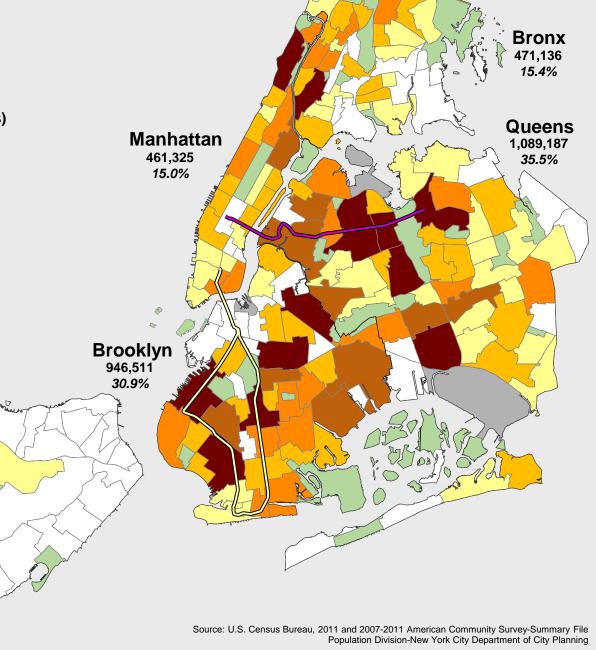
1. Washington Heights

2. Bensonhurst

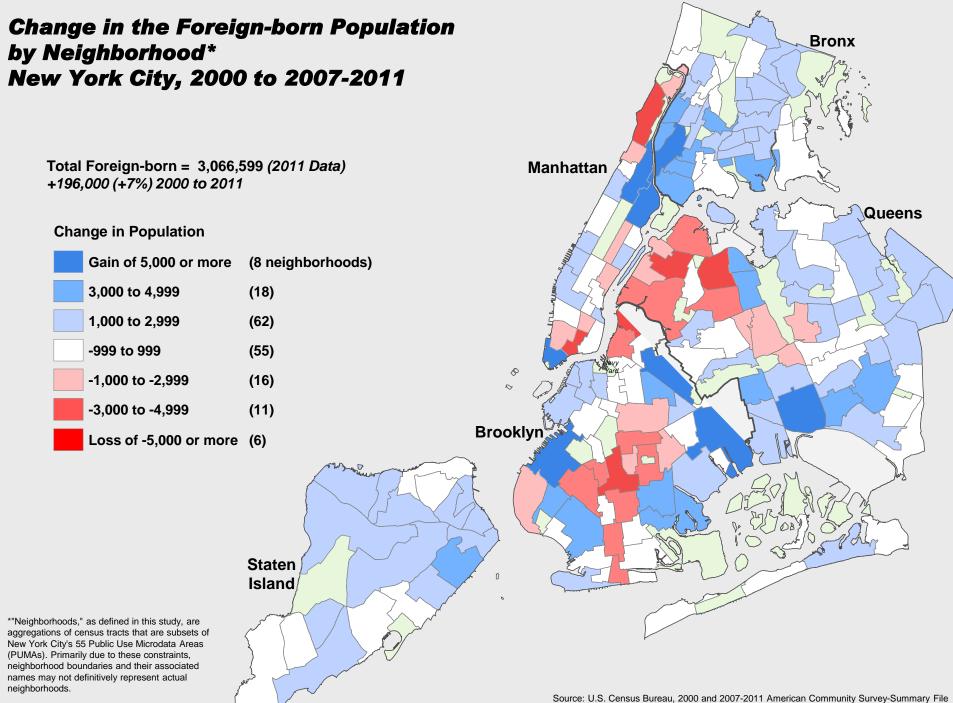
3. Elmhurst

4. Corona

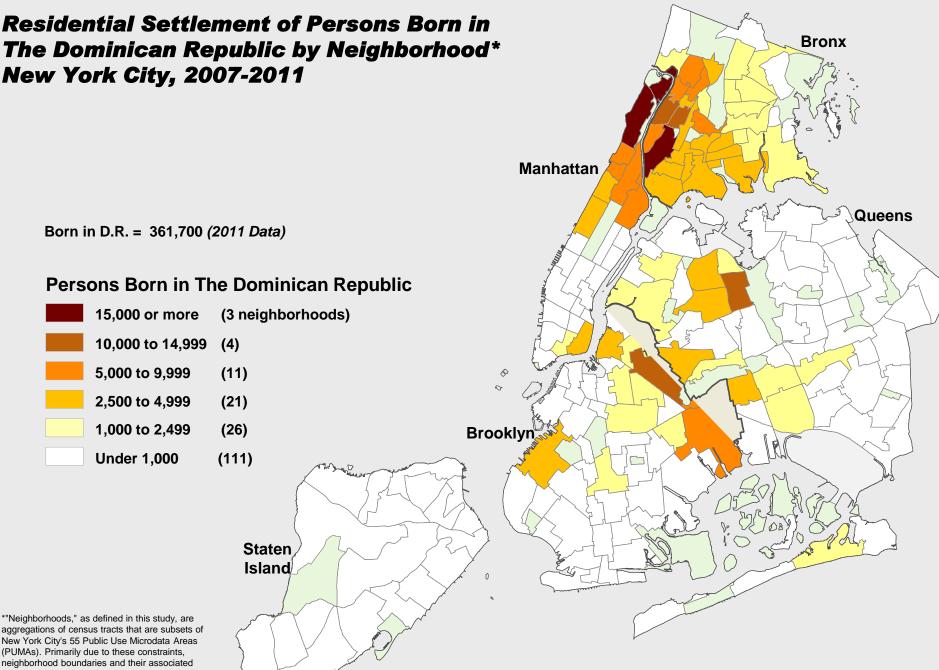
5. Jackson Heights



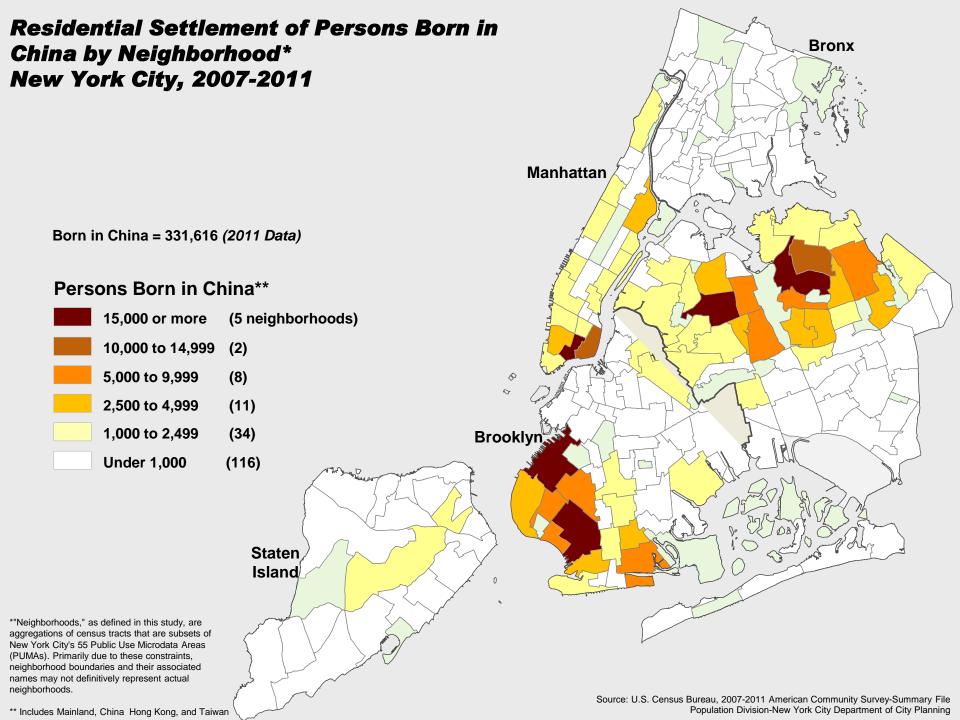
<sup>\*&</sup>quot;Neighborhoods," as defined in this study, are aggregations of census tracts that are subsets of New York City's 55 Public Use Microdata Areas (PUMAs). Primarily due to these constraints, neighborhood boundaries and their associated names may not definitively represent actual neighborhoods.

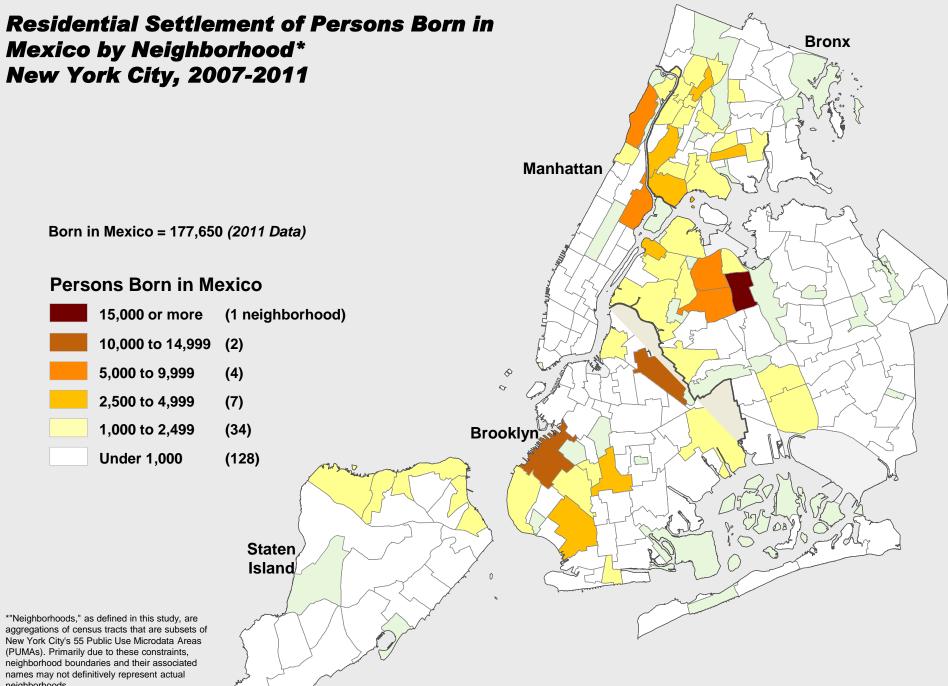


<sup>\*\*</sup> Includes Mainland, China Hong Kong, and Taiwan

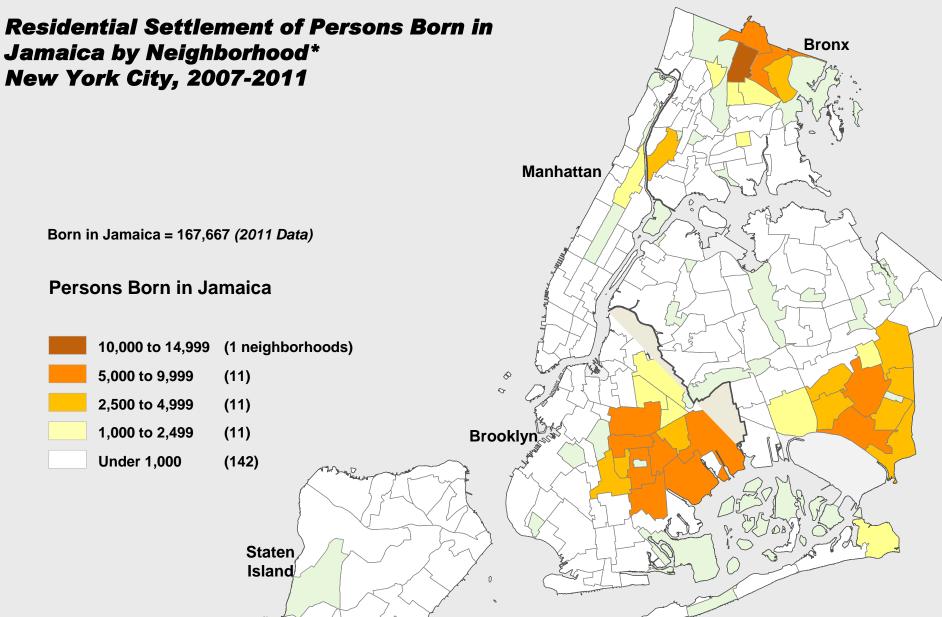


<sup>(</sup>PUMAs). Primarily due to these constraints, neighborhood boundaries and their associated names may not definitively represent actual neighborhoods.

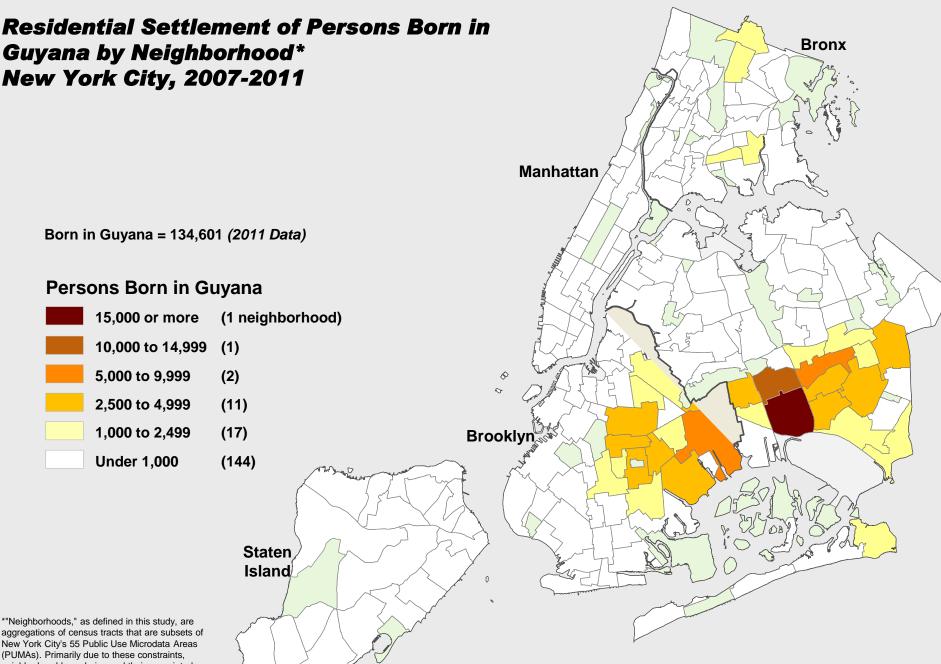




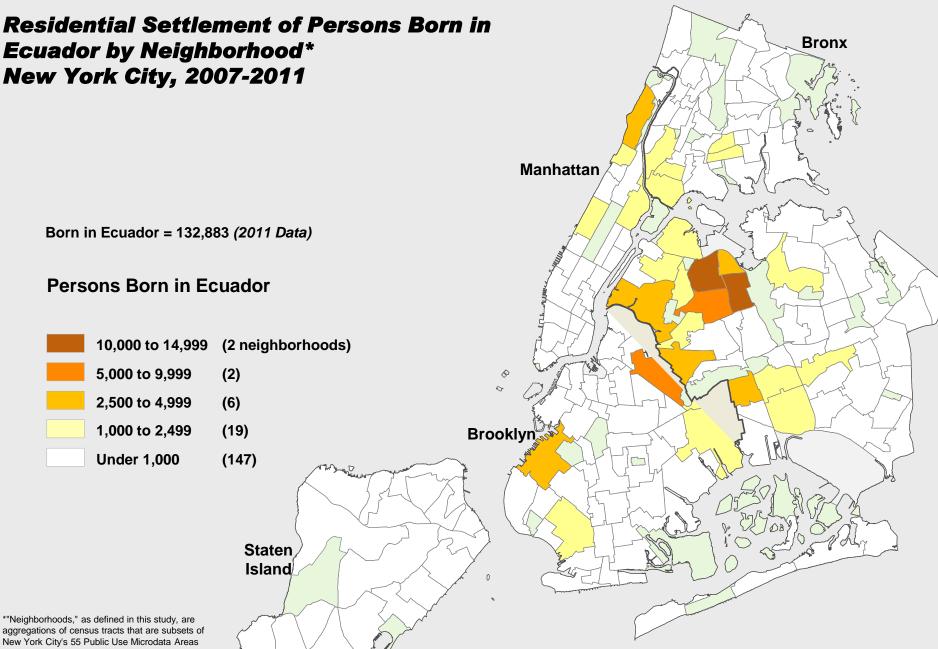
neighborhoods.



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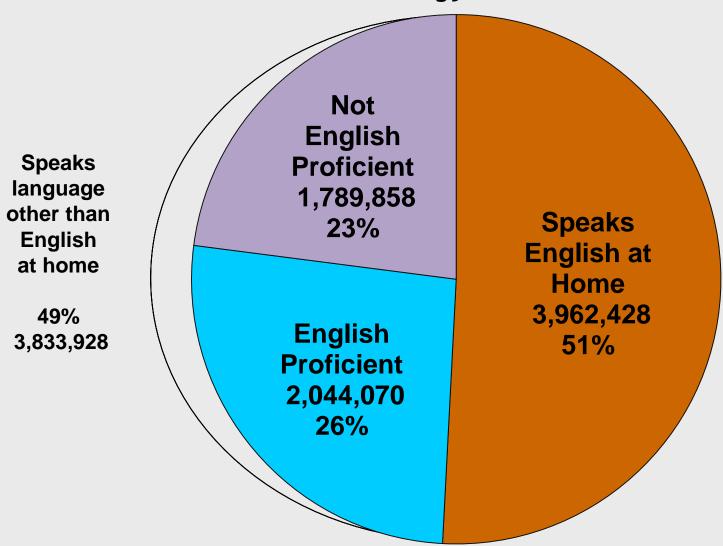
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# Immigration's Impact

# Persons by English Language Ability New York City, 2012



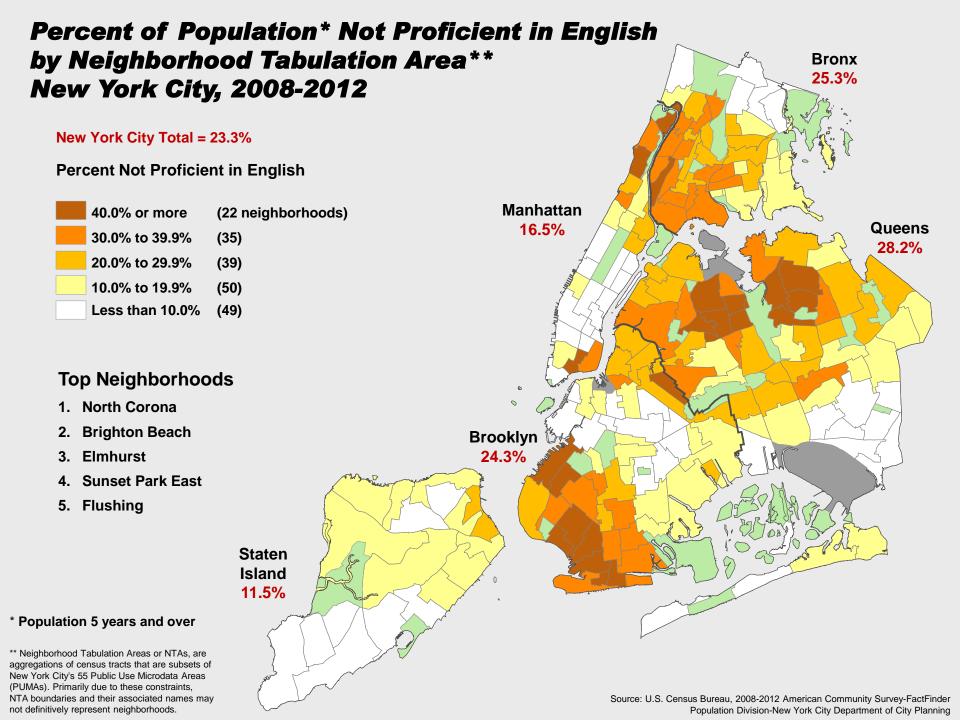
**Total Persons Ages 5 and Over = 7,796,356** 

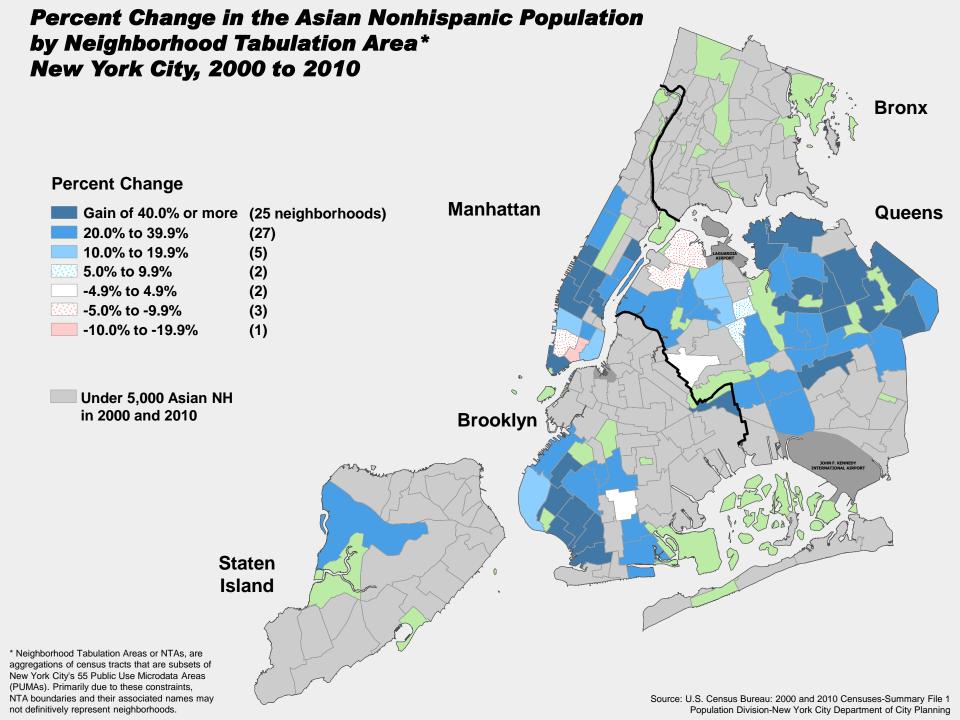
#### Limited English Proficient Population by Language Spoken at Home New York City, 2012

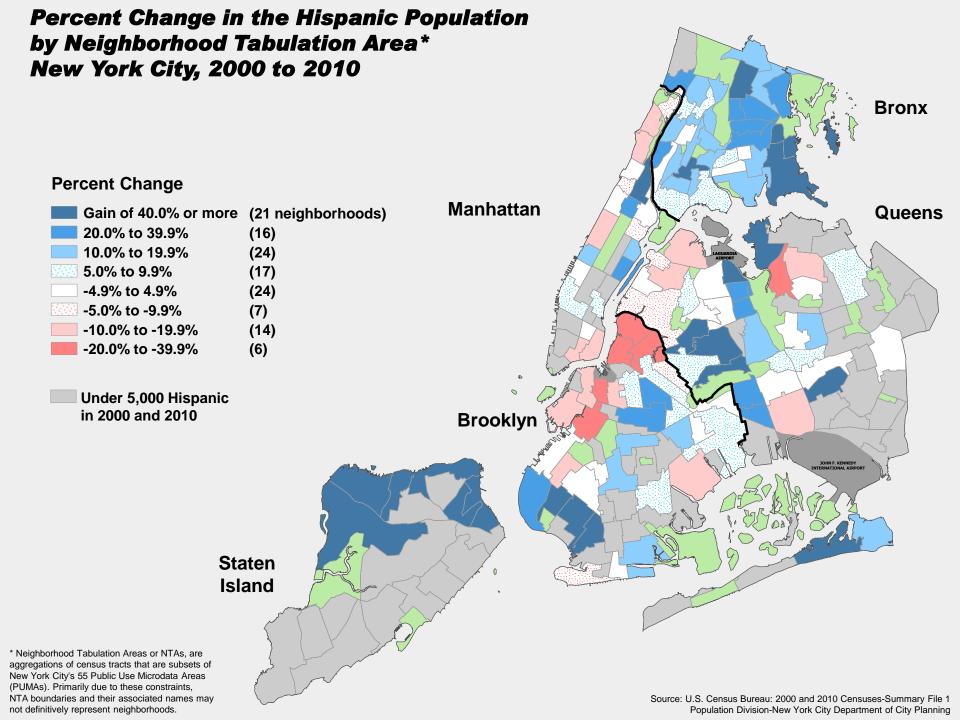
Total Limited English Proficient	1,789,858	100.0
Top LEP Languages*		
Spanish	882,606	49.3
Chinese**	305,734	17.1
Russian	115,371	6.4
French Creole	54,237	3.0
Bengali	44,568	2.5
Korean	43,992	2.5
Italian	26,953	1.5
Polish	24,270	1.4
Arabic	23,799	1.3
Yiddish	23,333	1.3
French	22,424	1.3
Urdu	21,622	1.2
Albanian	17,294	1.0

<sup>\*</sup> Languages with at least one percent of LEP population 5 years and over

<sup>\*\*</sup> Includes Chinese, Cantonese, Mandarin, and Formosan



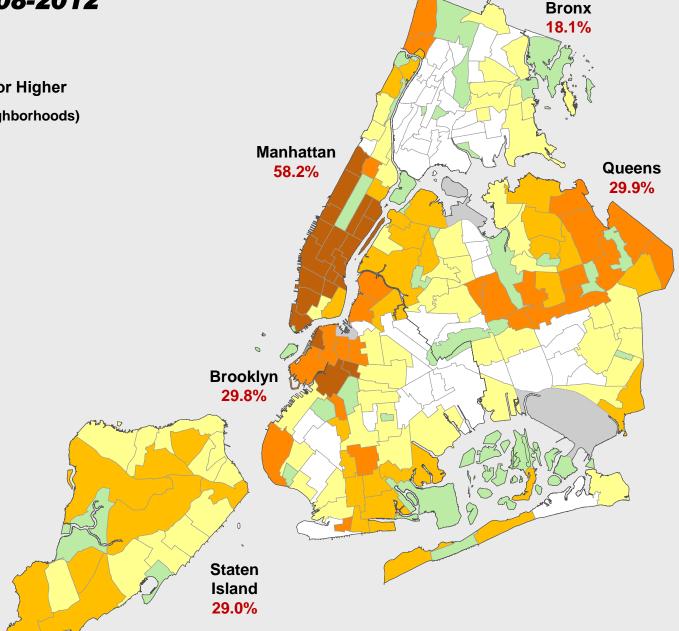




# Socioeconomic Characteristics

Percent College Graduates by Neighborhood Tabulation Area\*
New York City, 2008, 2012





Source: U.S. Census Bureau, 2008-2012 American Community Survey-FactFinder

<sup>\*</sup> 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.

Poverty Rate by Neighborhood Tabulation Area\*
New York City, 2008-2012

New York City Total = 19.9%

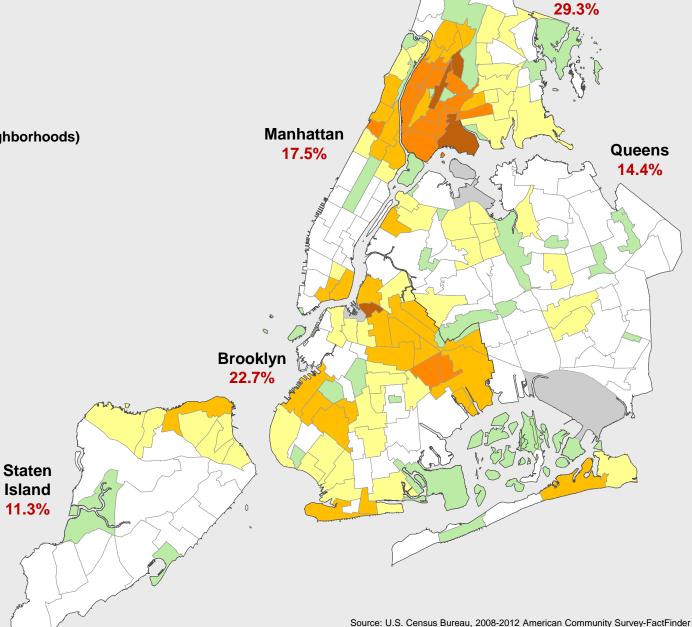


#### **Poverty Rate**

45.0% or more	(4 neighborhoods
35.0% to 44.9%	(15)
25.0% to 34.9%	(32)
15.0% to 24.9%	(48)
Less than 15.0%	(89)

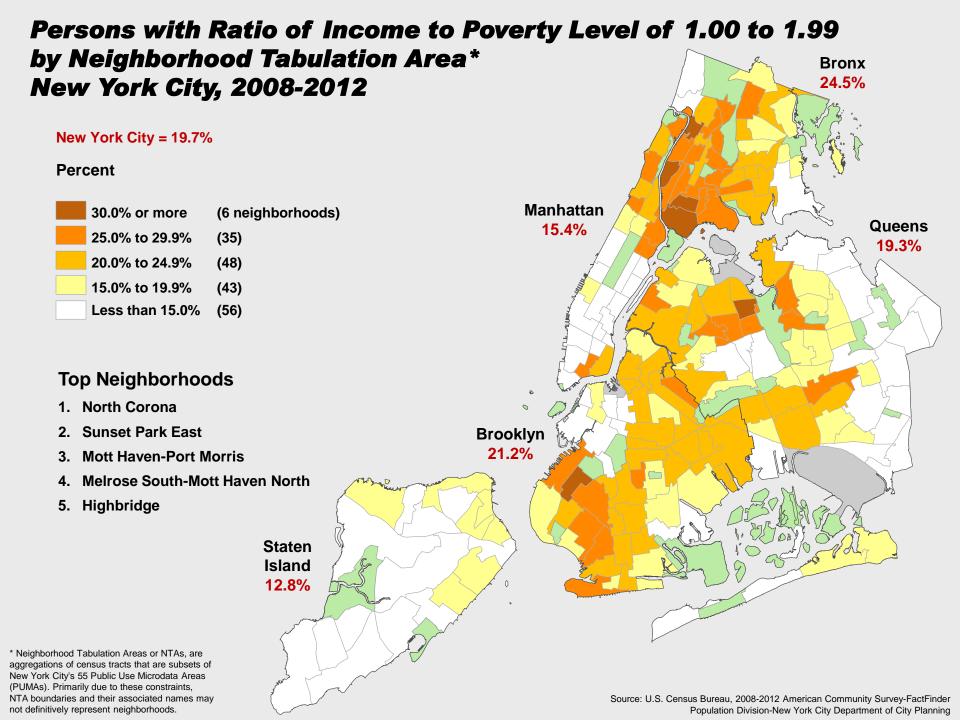
#### **Top Neighborhoods**

- 1. Williamsburg
- 2. Belmont
- 3. Claremont-Bathgate
- 4. Hunts Point
- 5. East Tremont



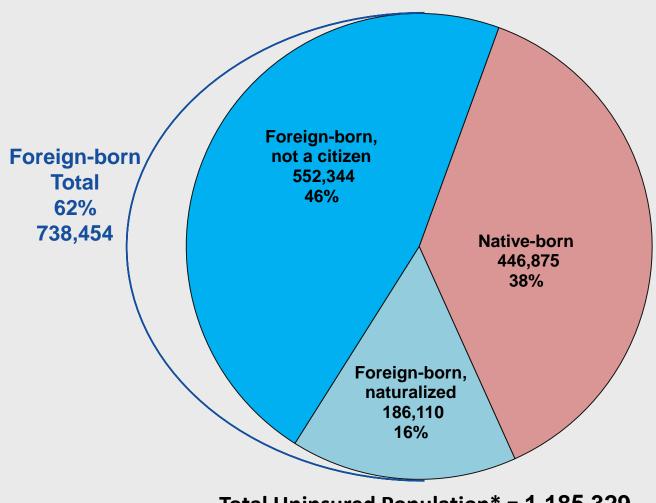
**Bronx** 

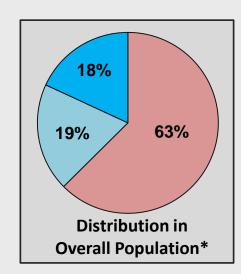
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## Health Insurance Coverage

## Distribution of Population without Health Insurance Coverage By Nativity and Citizenship Status New York City, 2012



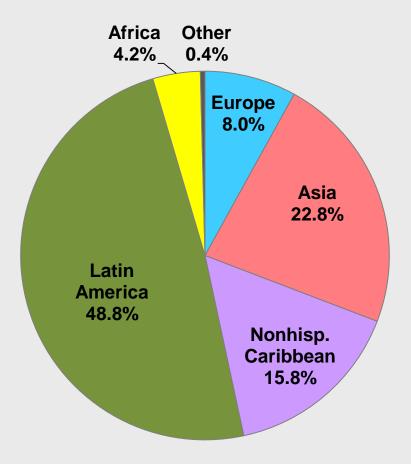


Total Uninsured Population\* = 1,185,329

## Percent of Population without Health Insurance Coverage By Nativity and Citizenship Status New York City, 2012

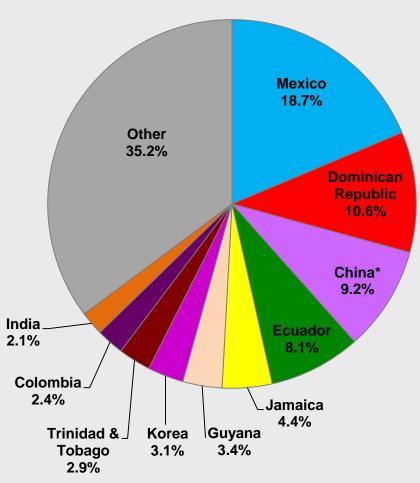
		Uninsured		
	Total	Number	Percent	
Total Population*	8,198,870	1,185,329	14.5	
Native-born	5,129,678	446,875	8.7	
Foreign-born	3,069,192	738,454	24.1	
Naturalized	1,584,624	186,110	11.7	
Not a citizen	1,484,568	552,344	37.2	

## Foreign-born Population without Health Insurance Coverage By World Area of Birth New York City, 2011



**Total Uninsured Foreign-born Population\* = 726,655** 

## Foreign-born Population without Health Insurance Coverage By Place of Birth New York City, 2011

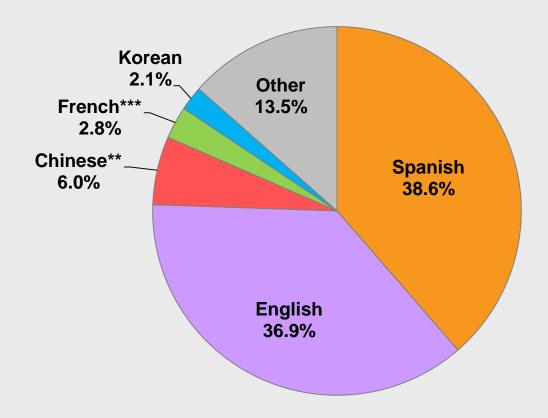


**Total Uninsured Foreign-born Population\*\* = 726,655** 

<sup>\*</sup> Includes the mainland, Hong Kong, and Taiwan.

<sup>\*\*</sup> Among civilian noninstitutionalized population

## Population without Health Insurance Coverage By Language Spoken At Home New York City, 2011

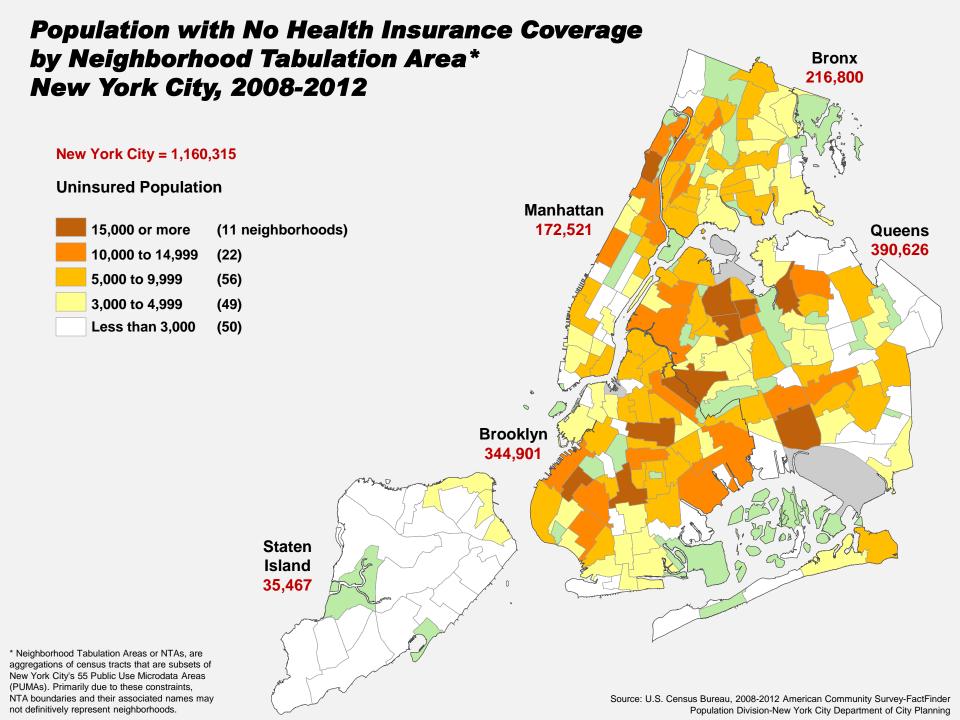


**Total Uninsured Population\* = 1,195,490** 

<sup>\*</sup> Among civilian noninstitutionalized population

<sup>\*\*</sup> Includes the "Chinese", "Mandarin", and "Cantonese".

<sup>\*\*\*</sup> Includes the "French", "French Creole", and "Patois".

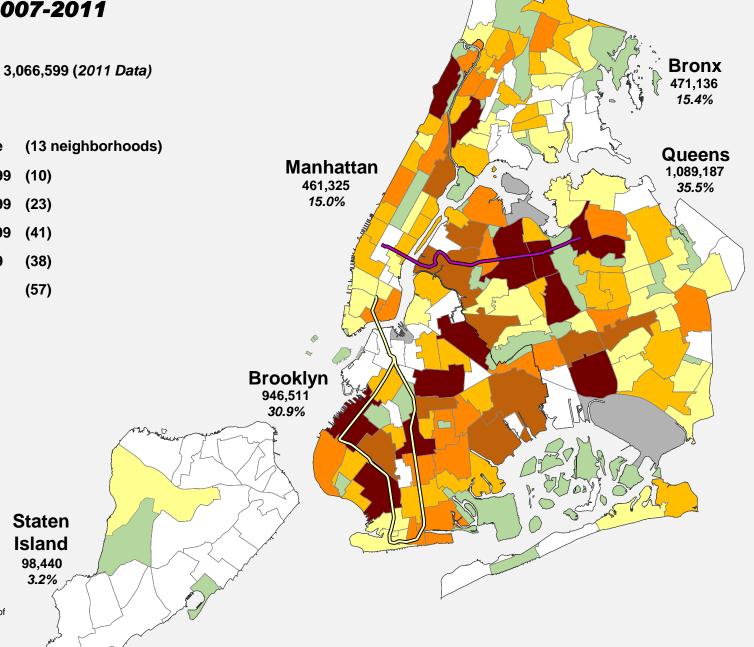


## Foreign-born by Neighborhood\* New York City, 2007-2011

New York City Total = 3,066,599 (2011 Data)

#### Foreign-born

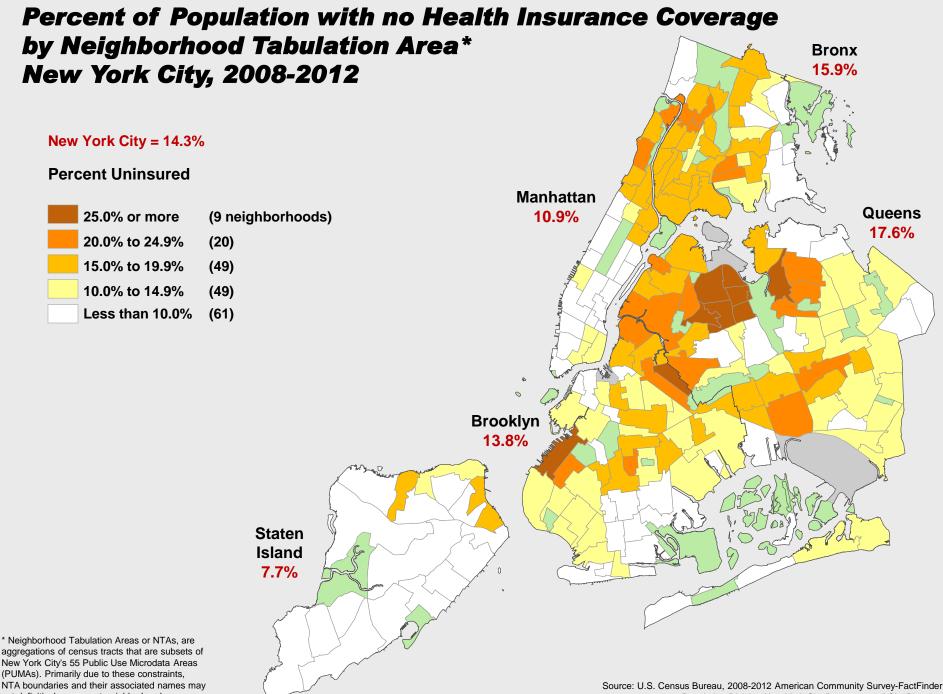




Source: U.S. Census Bureau, 2011 and 2007-2011 American Community Survey-Summary File

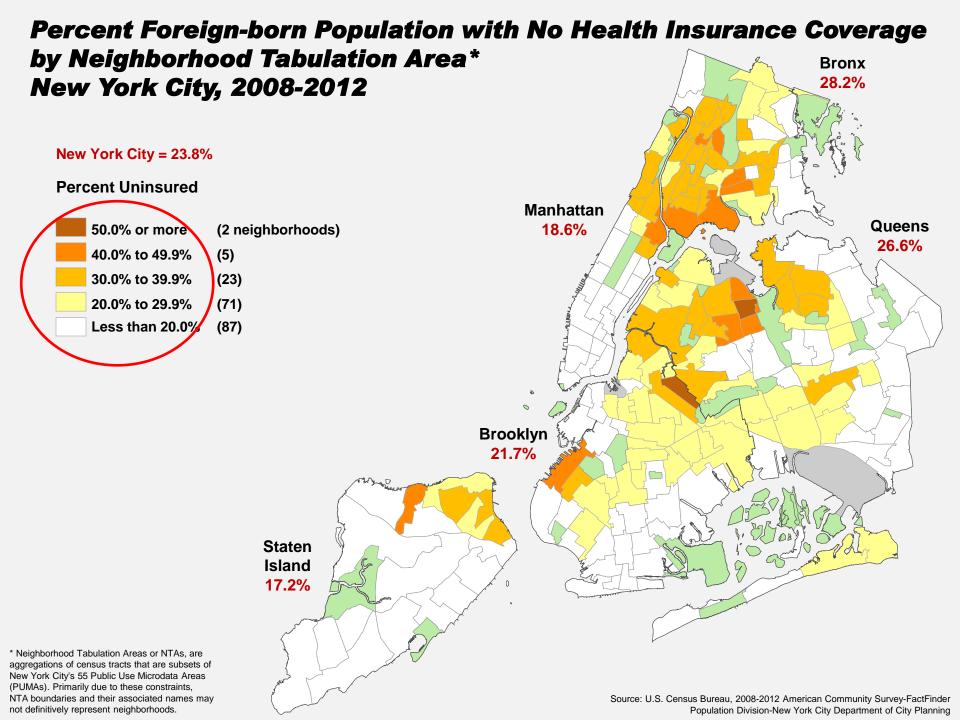
Population Division-New York City Department of City Planning

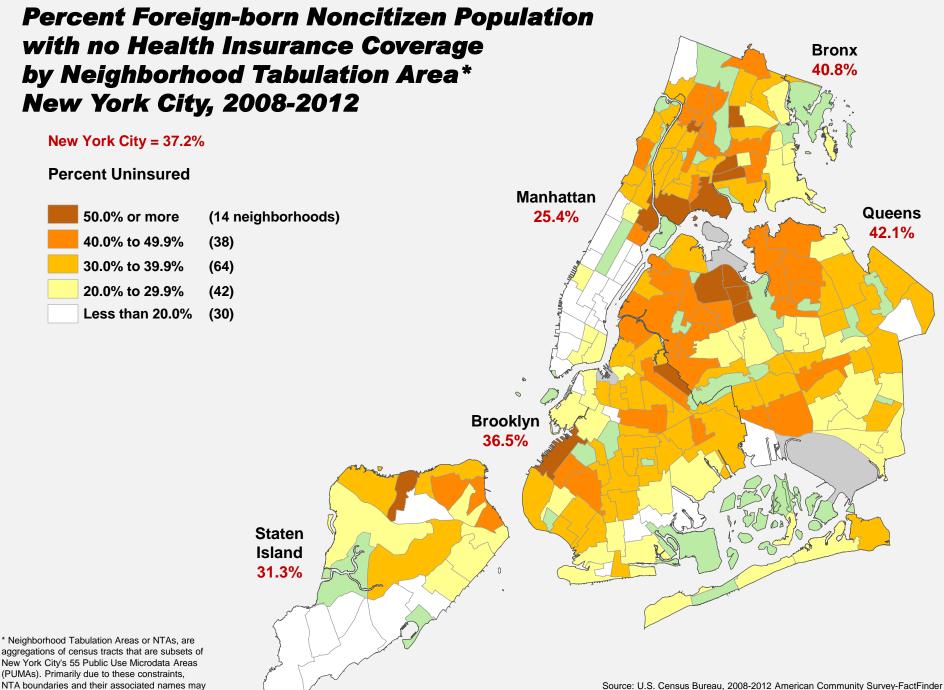
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# Accessing the Data

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or

www.nyc.gov/population

or

Google "DCP population"

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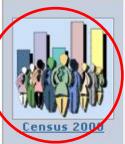
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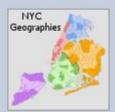




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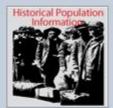
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2000 Census and Change (1990 - 2000)

Population > Population and Housing Characteristics > 2000 Census and Change (1990 - 2000)

Data from the 2000 Census offer detailed information on New York City, enabling users to paint statistical portraits in a number of ways. Information is presented in the following sections:

**Profiles of Census characteristics** provide a large number of data items for various geographic areas. For example, the Socioeconomic Profiles provide six pages of characteristics that include high school graduates, median family income, and percent below poverty, as part of a profile that is displayed separately for each Community District.

Demographic Profiles | Socioeconomic Profiles

**Tables of Census characteristics** provide detailed information on a single topic at various geographic levels. For example, detailed data on all income categories for persons in all 59 Community Districts is presented in a single table.

Demographic Tables | Socioeconomic Tables | Journey to Work Tables

Maps of selected Census characteristics provide information on the distribution of a specific characteristic. For example, the number of children below the poverty line is mapped for all 2,217 census tracts in New York City.

Demographic Maps | Socioeconomic Maps | Journey to Work Maps

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**NYC Census** FactFinder



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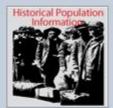
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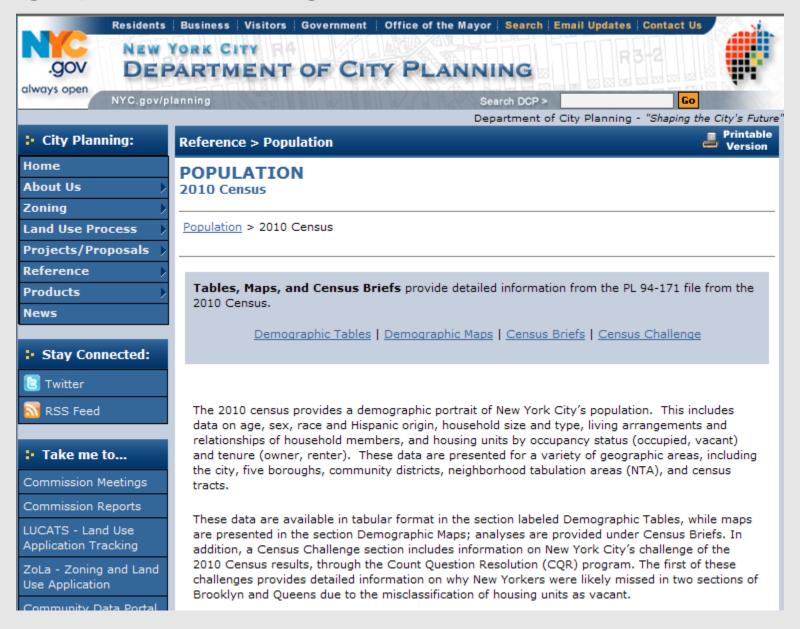
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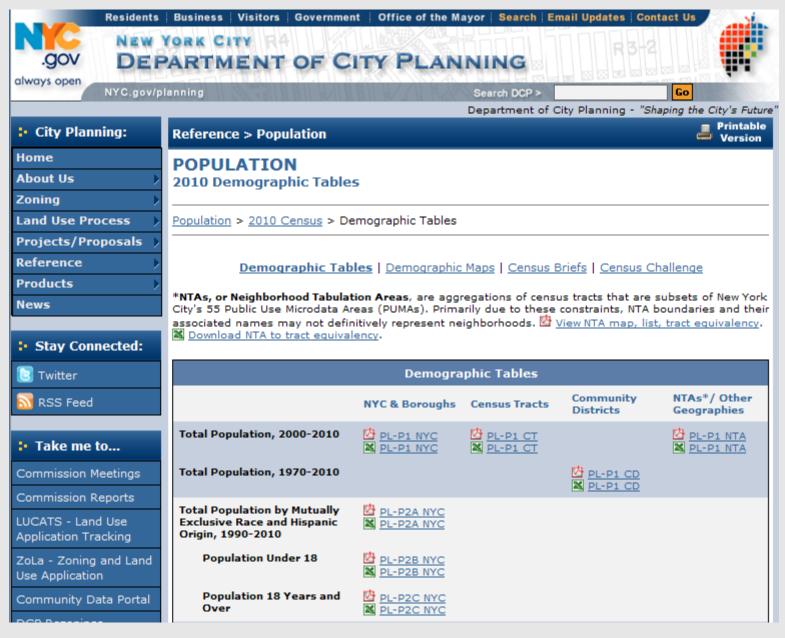
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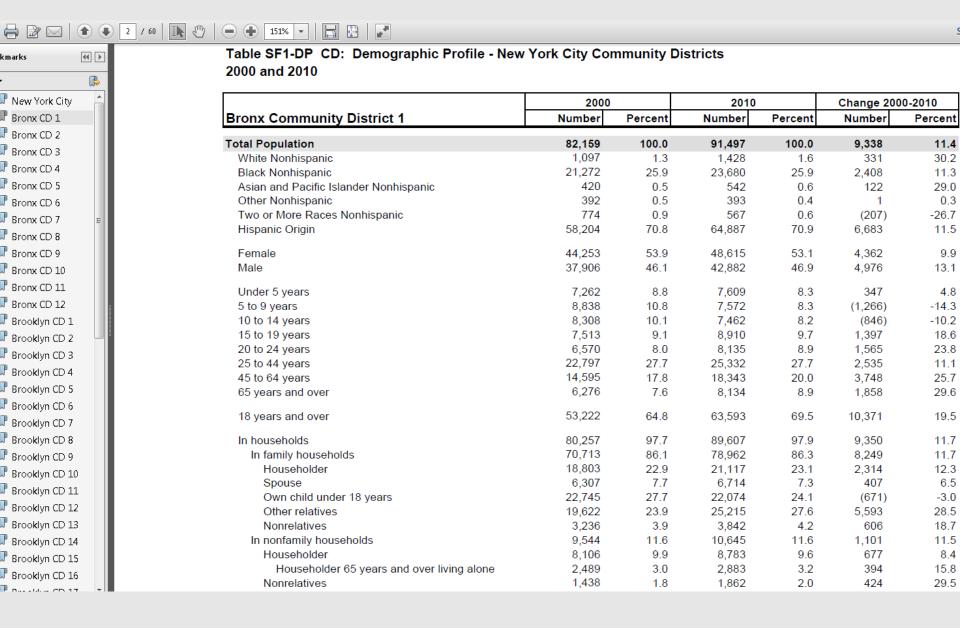
## Demographic & Housing Characteristics from 2010 Census



### Tables of 2010 Census Data

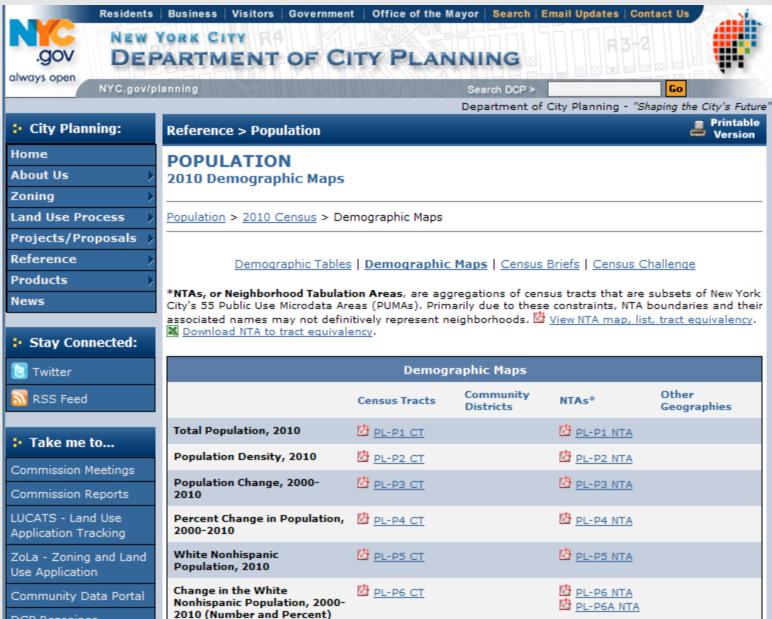


## 2010 Demographic Profiles for City, Boroughs, CDs



## Maps of 2010 Census Data

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Census 2010





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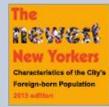
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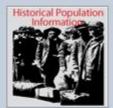
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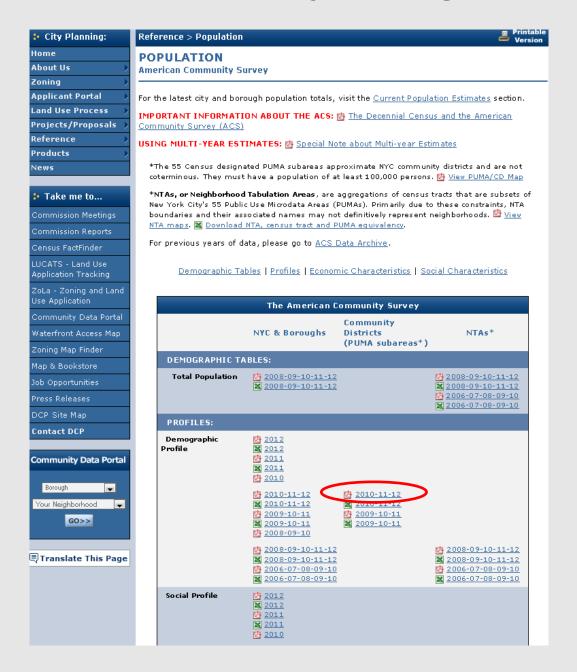
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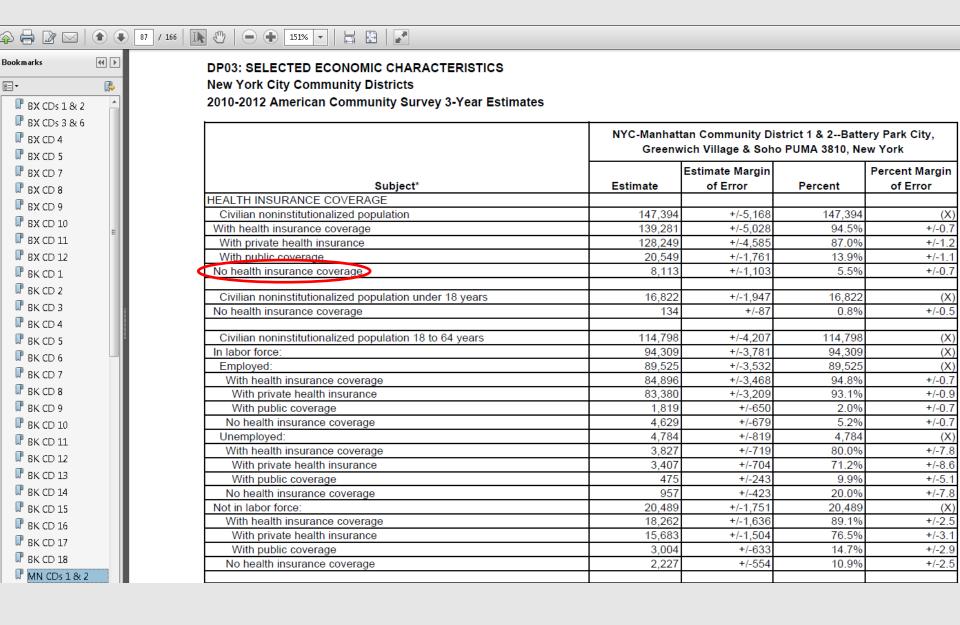
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## ACS Profiles Available for City, Boroughs, CDs, & NTAs



## Economic Profile Includes Health Insurance Coverage



### Other ACS Tables Available

Social Profile Poverty Status in Place of Birth the Past 12 Months of Persons Poverty Status in Citizenship Status the Past 12 Months of Persons of Families Hispanic Origin Poverty Status in **Economic Profile** the Past 12 Months of Families by Family Total Ancestry Type by Presence of Related Children Reported Selected Characteristics of People at Specified Levels of Poverty in the Past 12 Months Asian Alone By **Housing Profiles** Selected Group Ratio of Income to Poverty Level in the Past 12 Months of Persons Household Income Language Spoken and Median Income at Home by Ability to in the Past 12 Months Speak English Family Income and Median Income in the Past 12 Months Socioeconomic Total Workers by Characteristics by Means of Race/Hispanic Origin Transportation to and Ancestry Group

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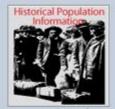
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Newest New Yorkers



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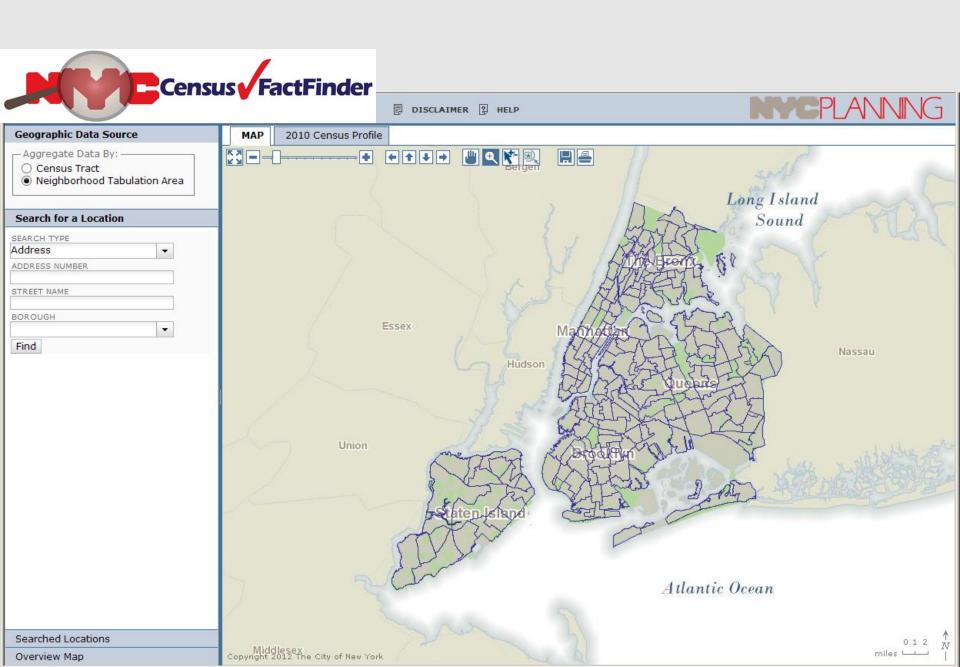
Historical Population Information



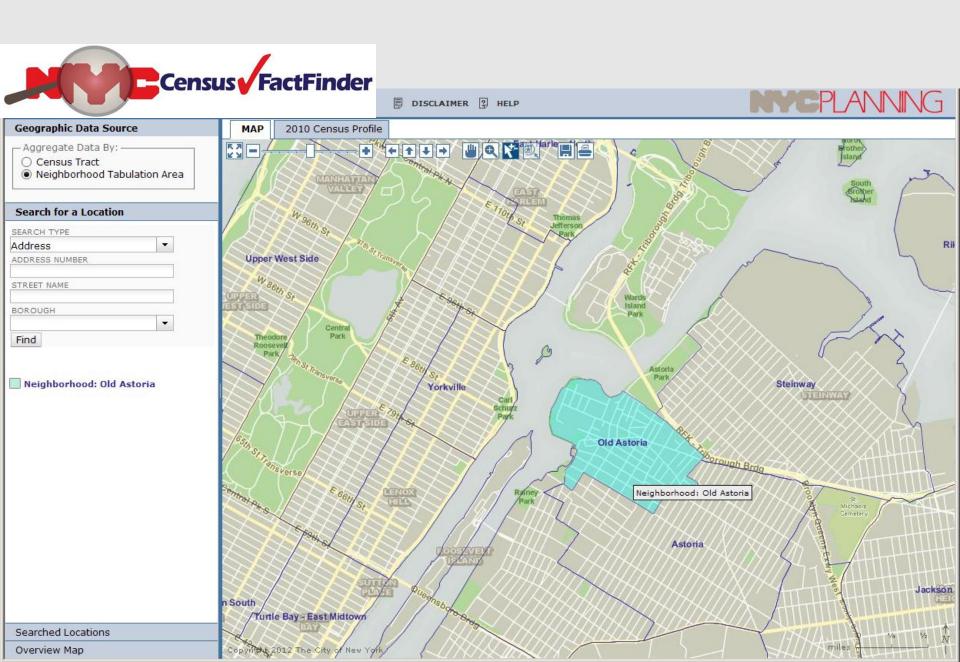
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**Population Archive** 

## **New York City Census FactFinder**



## **Navigation Tools**



## Demographic Data from the 2010 Census

Search for a Location
Searched Locations
Overview Map

Bergen

Hudson

en Island

The Bronx

Queens

Atlantic Ocea

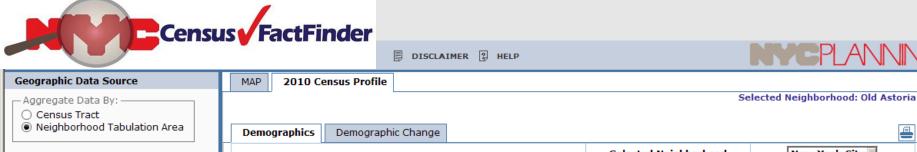
Source: US Census Bureau, 2010 Census, SF1

Population Division - New York City Department of City Planning (July 2011)

Manhattan

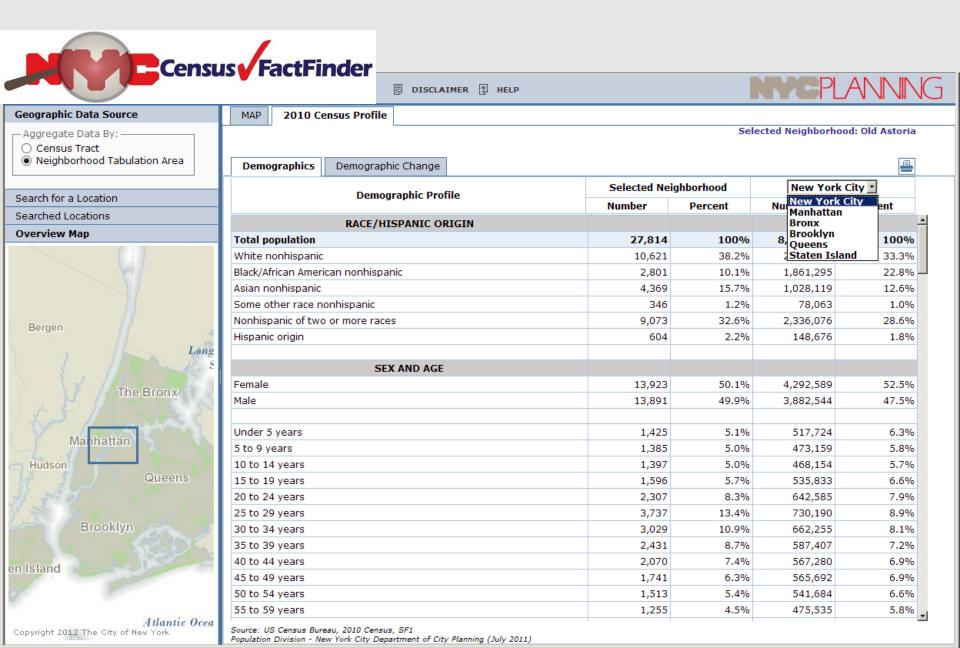
Brooklyn

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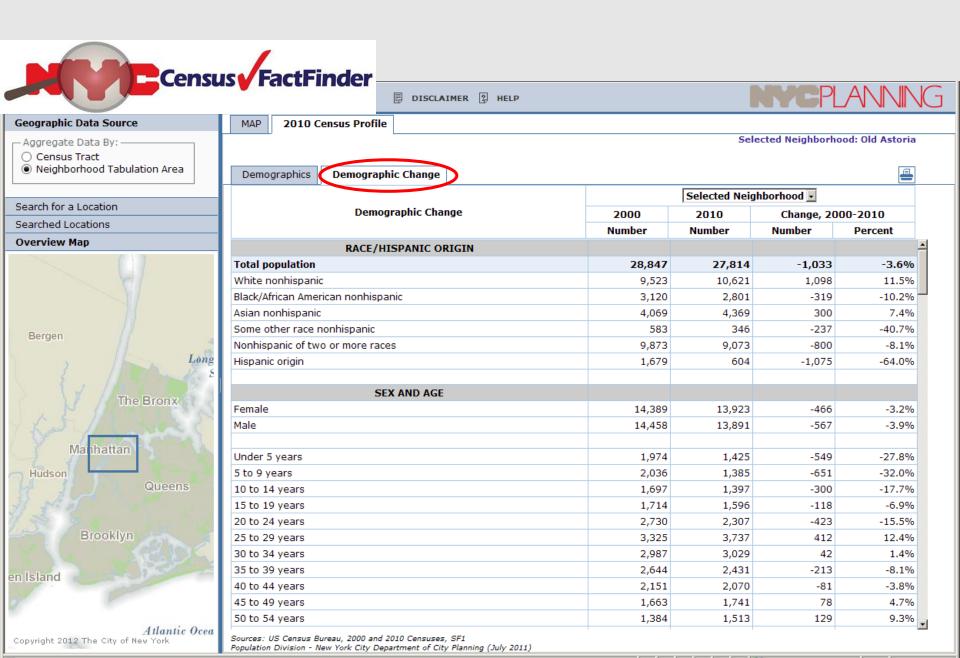


Demographic Profile	Selected Neighborhood		New York City	
Demographic Profile	Number	Percent	Number	Percent
RACE/HISPANIC ORIGIN				
Total population	27,814	100%	8,175,133	100
White nonhispanic	10,621	38.2%	2,722,904	33.3
Black/African American nonhispanic	2,801	10.1%	1,861,295	22.8
Asian nonhispanic	4,369	15.7%	1,028,119	12.6
Some other race nonhispanic	346	1.2%	78,063	1.0
Nonhispanic of two or more races	9,073	32.6%	2,336,076	28.6
Hispanic origin	604	2.2%	148,676	1.8
SEX AND AGE				
Female	13,923	50.1%	4,292,589	52.
Male	13,891	49.9%	3,882,544	47.
Under 5 years	1,425	5.1%	517,724	6.
5 to 9 years	1,385	5.0%	473,159	5.
10 to 14 years	1,397	5.0%	468,154	5.
15 to 19 years	1,596	5.7%	535,833	6.
20 to 24 years	2,307	8.3%	642,585	7.
25 to 29 years	3,737	13.4%	730,190	8.
30 to 34 years	3,029	10.9%	662,255	8.
35 to 39 years	2,431	8.7%	587,407	7.
40 to 44 years	2,070	7.4%	567,280	6.9
45 to 49 years	1,741	6.3%	565,692	6.9
50 to 54 years	1,513	5.4%	541,684	6.6
55 to 59 years	1,255	4.5%	475,535	5.8

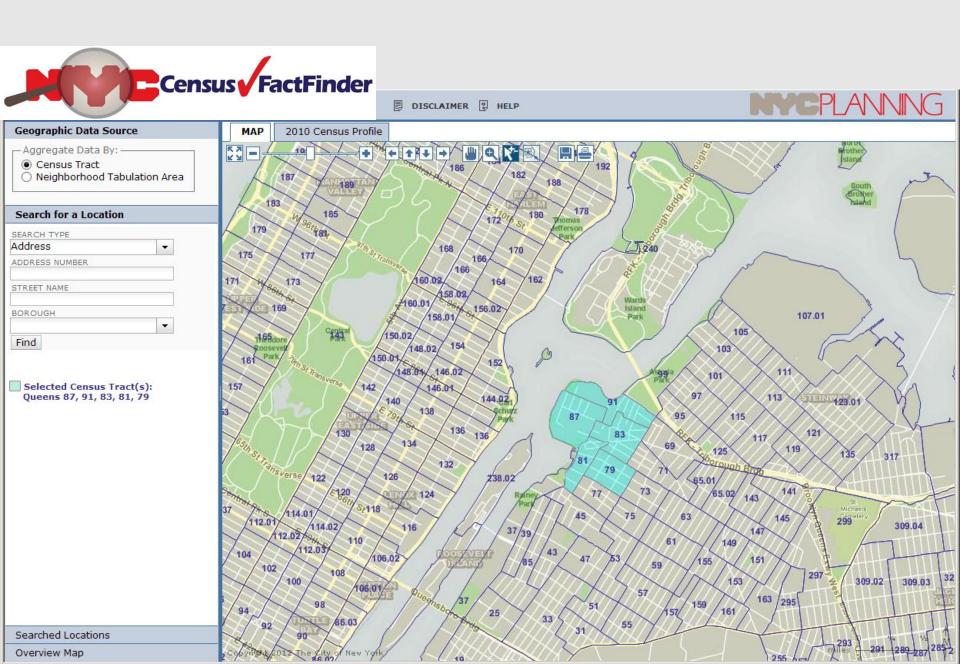
## Demographic Data from the 2010 Census



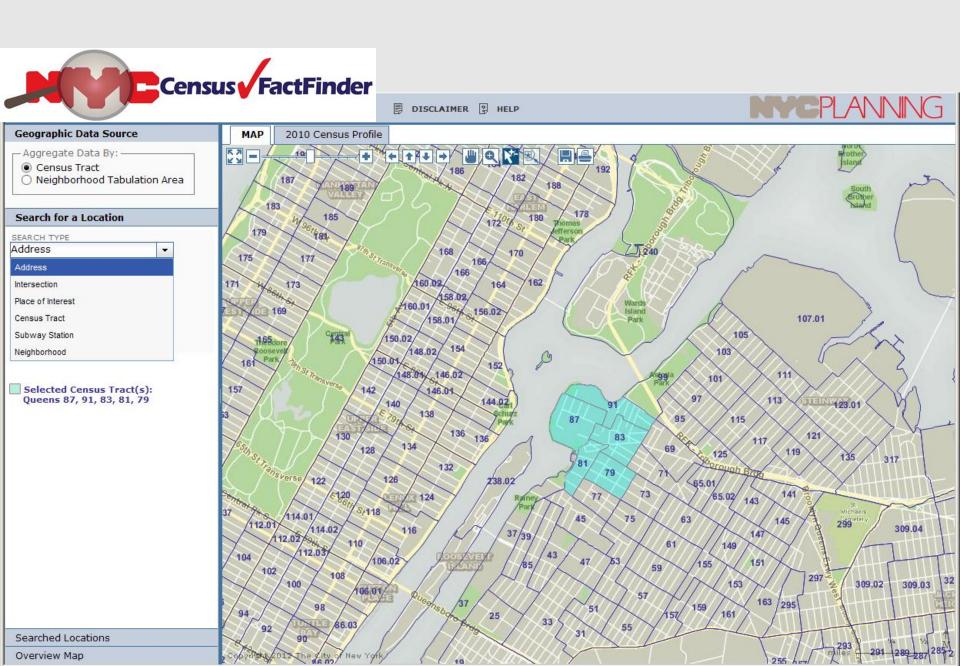
## Change in Demographics between 2000 and 2010



## Select by Census Tract

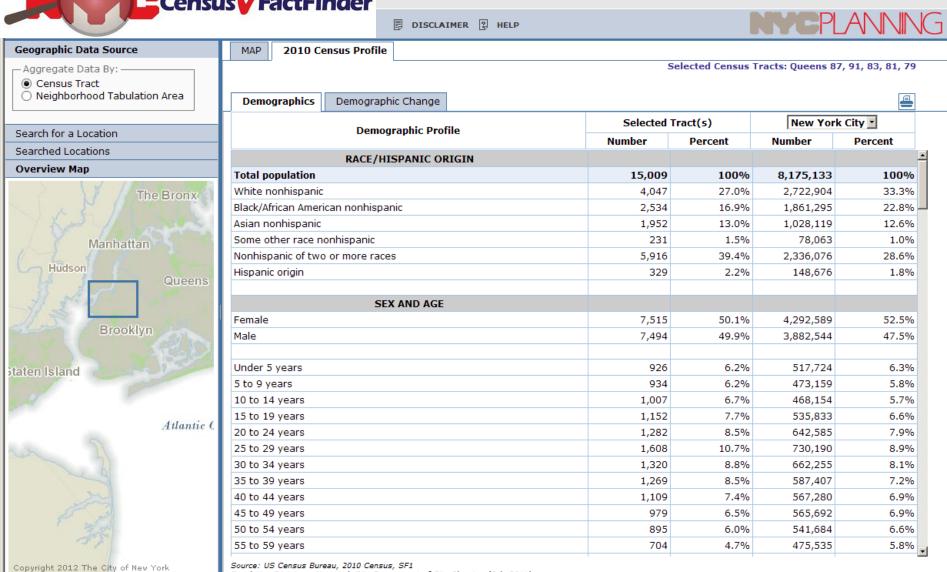


## Number of Search Types Available



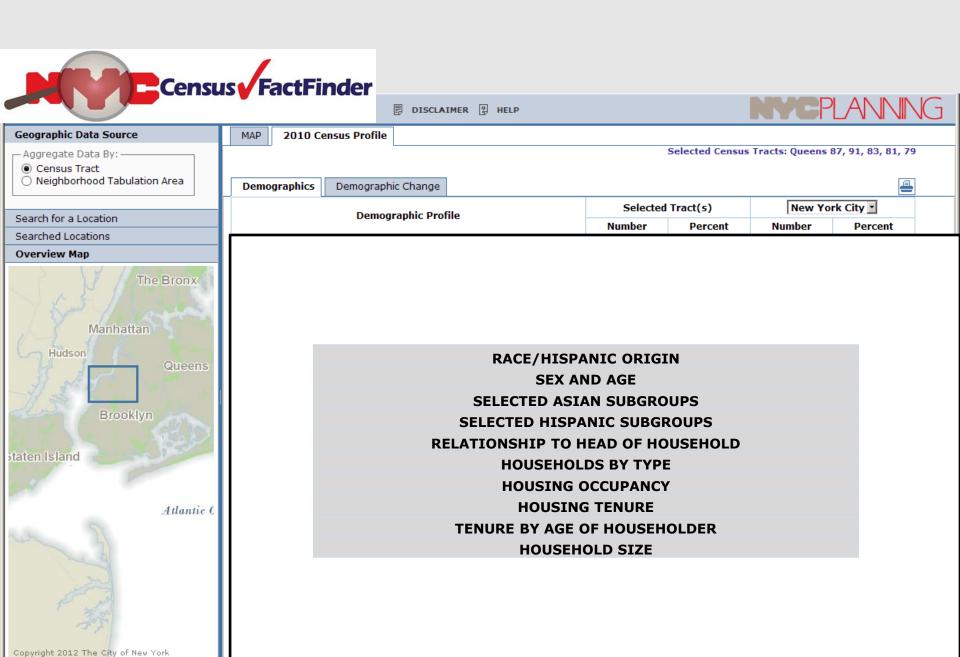
## **Creates Aggregate Statistics**



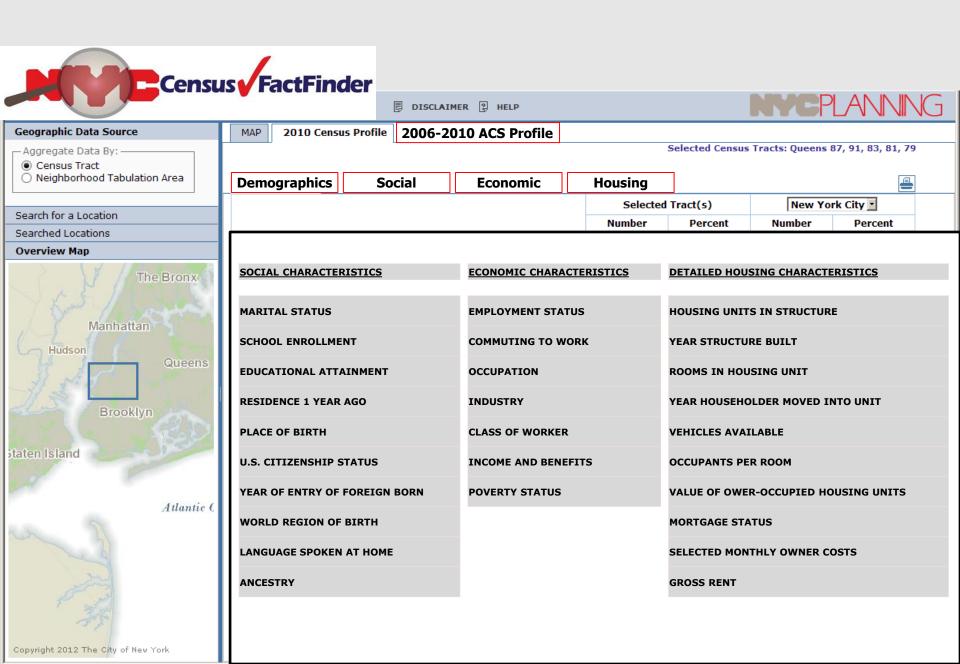


Population Division - New York City Department of City Planning (July 2011)

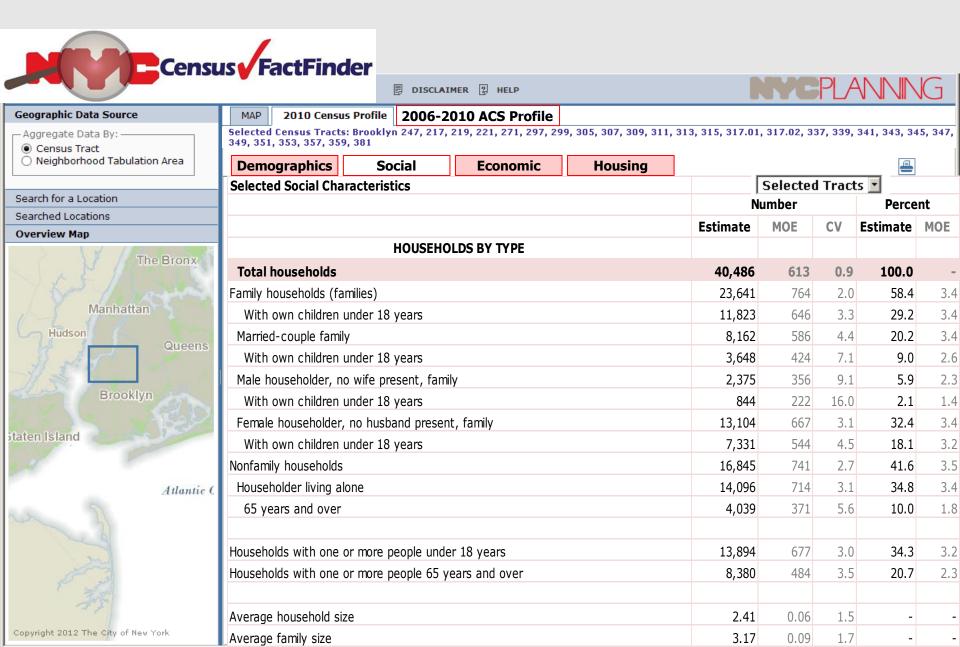
### Characteristics Available from Decennial Censuses



### **Detailed Characteristics Soon Available**



## **Detailed Characteristics Soon Available**



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Borough .

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#### POPULATION



CURRENT POPULATION

**ESTIMATES** 

Current

Population

Estimates









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Version Printable

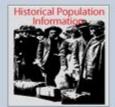
American Community Survey







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American Community Survey

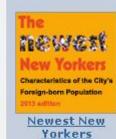
FactFinder

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## Census Bureau Estimates: July 1, 2013

## NYC Population increased 230,704 (2.8%) since 2010







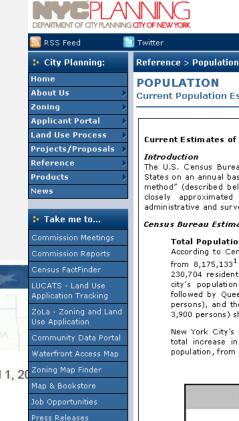
PEPANNRE





2012 Population Estimates

Geography	April 1, 2010		Community Bata Basta	
	Census	Estimates Base	Community Data Portal	
Bronx County, New York	1,385,108	1,385,108	Borough 🐷	
Kings County, New York	2,504,700	2,504,700		
New York County, New York	1,585,873	1,585,873	Your Neighborhood	
Queens County, New York	2,230,722	2,230,725	GO>>	
Richmond County, New York	468,730	468,730		



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#### **POPULATION**

**Current Population Estimates** 

#### Current Estimates of New York City's Population for July 2013

#### Introduction

The U.S. Census Bureau prepares estimates of total population for all counties in the United States on an annual basis, using a demographic procedure known as the "administrative records method" (described below). This method assumes that post-census population change can be closely approximated by vital statistics data on births and deaths, along with other administrative and survey data that provide a picture of migration patterns.

#### Census Bureau Estimates for July 1, 2013

#### Total Population

According to Census Bureau population estimates, New York City's population increased from 8,175,1331 in April of 2010 to 8,405,837 in July of 2013. This is an increase of 230,704 residents or about 2.8 percent over the 2010 mark. The largest change in the city's population occurred in Brooklyn, growing by 3.5 percent or 87,400 persons, followed by Queens (2.9 percent or 65,500 persons), Manhattan (2.5 percent or 40,300 persons), and the Bronx (2.4 percent or 33,600 persons). Staten Island (0.8 percent or 3,900 persons) showed the smallest gains over the 39 month period.

New York City's population increase since April of 2010 represented 84.5 percent of the total increase in New York State, which slightly raised the city's share of the State's population, from 42.2 percent to 42.8 percent.

Census Change: Census 20:				
	Census Estimates		and Estimates 2013	
	2010	2013	Number	Percent
New York State	19,378,102	19,651,127	273,025	1.4
New York City	8,175,133	8,405,837	230,704	2.8
Bronx	1,385,108	1,418,733	33,625	2.4
Brooklyn	2,504,700	2,592,149	87,449	3.5
Manhattan	1,585,873	1,626,159	40,286	2.5
Queens	2,230,722	2,296,175	65,453	2.9
Staten Island	468,730	472,621	3,891	0.8
NYC as % of NYS	42.2	42.8	84.5	

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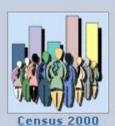
Borough

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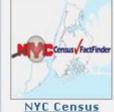


NYC Census 2010

Census



Community Survey





NYC

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FactFinder

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Version

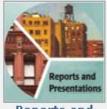


Current Population Estimates

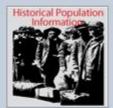


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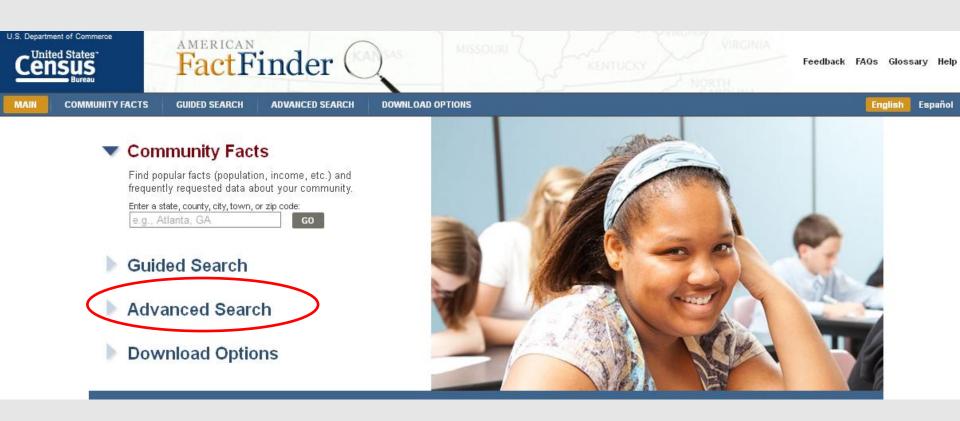
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## **Newest New Yorkers** 2013 edition



+

## Census Bureau's American FactFinder



NY Regional Office

Partnership & Data Services: 212-584-3440

## Data Links

- DCP Population Division website: www.nyc.gov/population
- Newest New Yorkers, 2013 www.nyc.gov/html/dcp/html/census/ nny.shtml
- New York City Census FactFinder: maps.nyc.gov/census/
- American FactFinder (Census Site): factfinder2.census.gov

## Population Projections, 2010-2040

New York City
Population Projections
by Age/Sex & Borough,
2010-2040

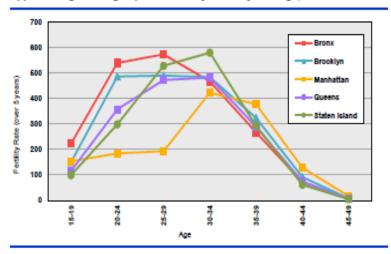


- Project population using Cohort Component Method
- Borough Specific
- Age and Sex carried through time in 5- year cohorts
- Integrated PlanningComponent: Residential LandUse Scenario
- Census 2010 baseline was adjusted for misclassification of vacant units in Brooklyn and Queens

# Demographic Component: Cohort Component Model

## **Fertility (Births)**

Appendix Figure 1: Age-Specific Fertility Rates by Borough, 2010



## **Births** *minus* **Deaths** = Natural Increase

Population Change 2000-2010 (Census) *minus* 

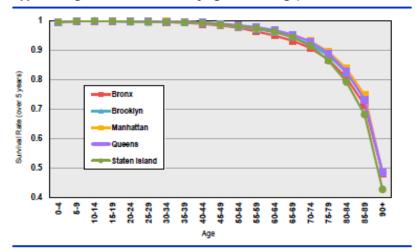
Natural Increase

=

## **Net Migration**

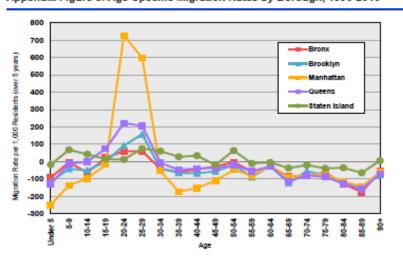
## **Mortality (Deaths)**

Appendix Figure 2: Survival Rates by Age and Borough, 2010



## **Net Migration**

Appendix Figure 3: Age-Specific Migration Rates by Borough, 1990-2010

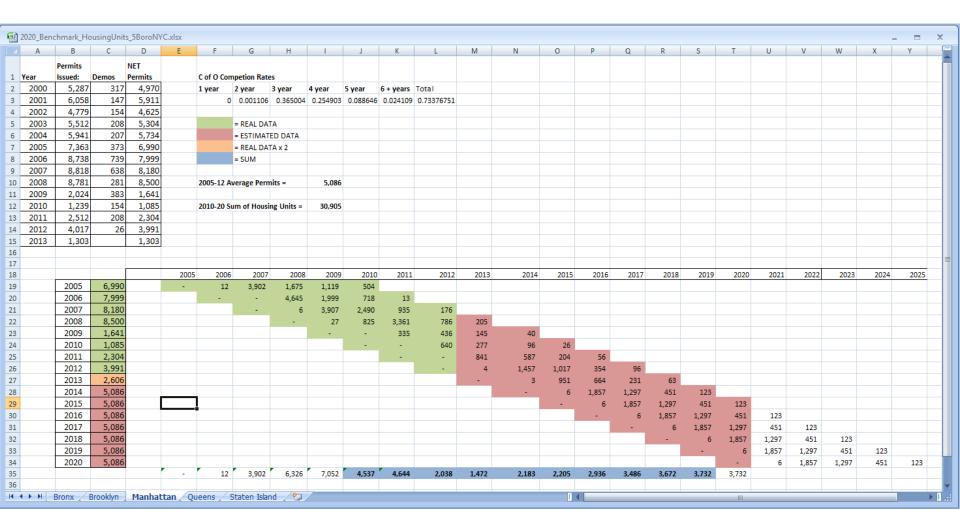


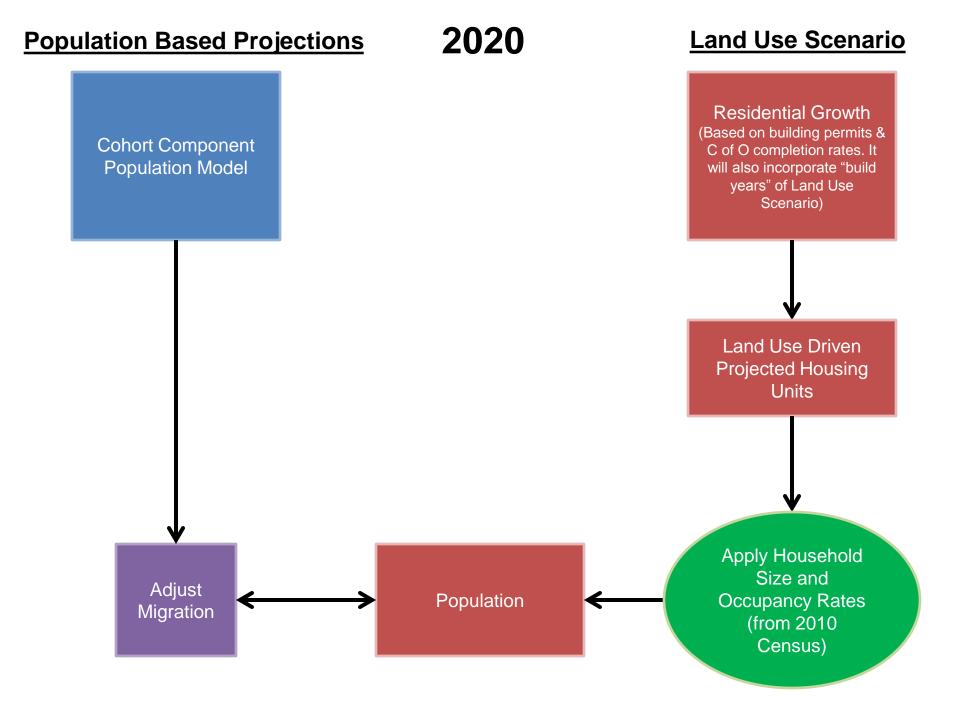
# Planning Component: Residential Land Use Scenario

## **Residential Land Use Scenario: 2020**

## 2020: Building Permits and Certificate of Occupancy

- •Building Completion Rate, 2007-2012
- •Applied rate to average number of permits in future years (2014-2020)





## **Residential Land Use Scenario: 2040**

#### **Bronx: New Housing Growth Opportunities**

PUMA	Project Name	Projected Housing Units	Build Year
3708/3710	Lower Concourse	7,826	201
3705	Third Avenue/East Tremont Avenue	1,932	202
3705	Morrisania	1,907	201
3708	161st Street/River Avenue	963	201
3706	Webster Ave/Bedford Park/Norwood	738	202
3702	Wakefield/Eastchester	645	201
3710	Port Morris/Bruckner Blvd	412	201
3702	Williamsbridge/Baychester	291	201
3704	Pelham Parkway/Indian Village	87	201
3704	Pelham Gardens	44	201
3701	Central Riverdale & Spuyten Duyvil	32	201
3710	Hunts Point Special District and Rezoning	30	201
3701	Van Cortlandt Village	30	201
3703	Pelham Bay	25	201
3709	Westchester Square	18	201

DCP INITIATIVES / REZONINGS Subtotal 14,980
---------------------------------------------

2. LARGE PRIVATE APPLICATIONS			
PUMA	Project Name	Projected Housing Units	Build Year
3705	Crotona Pk/W. Farms	2,635	2015

#### LARGE PRIVATE APPLICATIONS Subtotal 2,635

3. LARGE PUBLIC SITE PROJECTS			
PUMA	Project Name	Projected Housing Units	Build Year
3707	University Avenue Consolidated I & II	321	2015
3707	University Avenue Consolidated IV	290	2015
3707	University Avenue Consolidated III	173	2015
3710	Brook Willis	121	2015

Subtotal

4. OPPORTUNITY AREAS				
PUMA Project Name Projected Housing Ur		Projected Housing Units	Build Year	
			1	

#### OPPORTUNITY AREAS Subtotal 0

5. Background Growth			
PUMA	Project Name	Projected Housing Units	Build Year
Bronx	Soft Site Analysis		2040

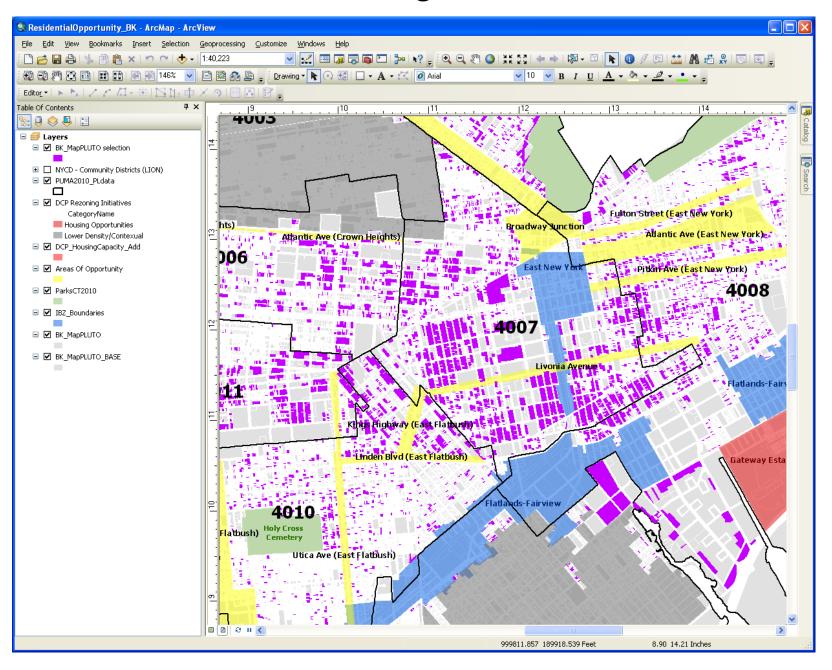
## **Estimate of the Potential for New Housing Units**

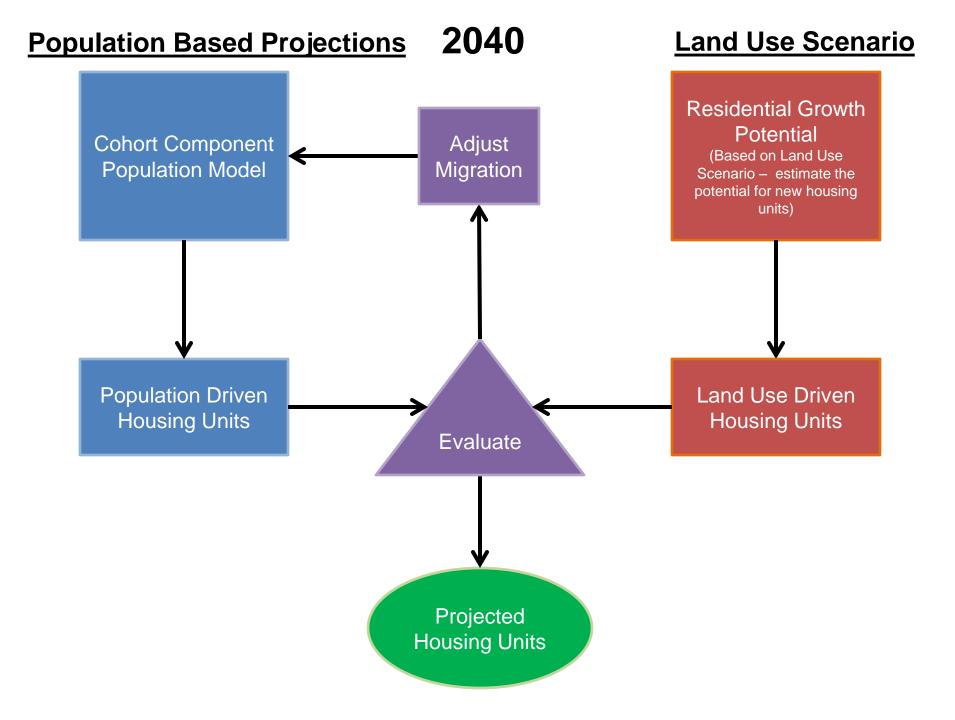
- DCP Initiatives/Rezonings
  - Up-zoning Areas for increased housing opportunity
- Private Development Projects
  - •Large private developments that generate new housing
- Public Development Projects
  - •NYCHA, HPD, and City-Owned Sites
- Areas of Opportunity
  - Increased housing along major corridors & thoroughfares
- Background Growth
  - Soft Site analysis and Underutilized Areas

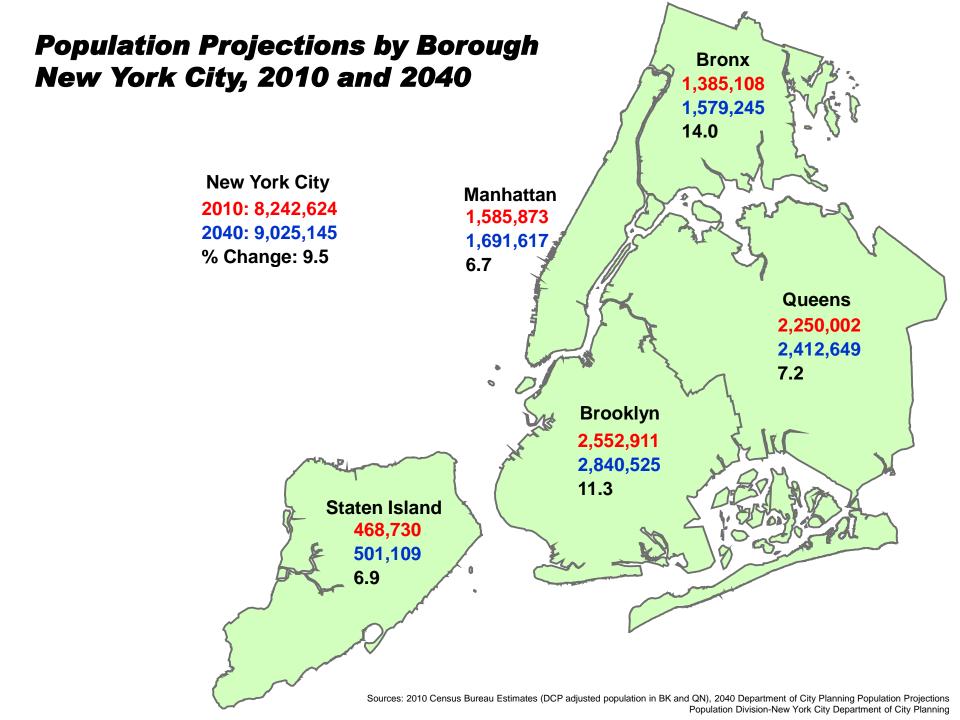
### **Constraints**

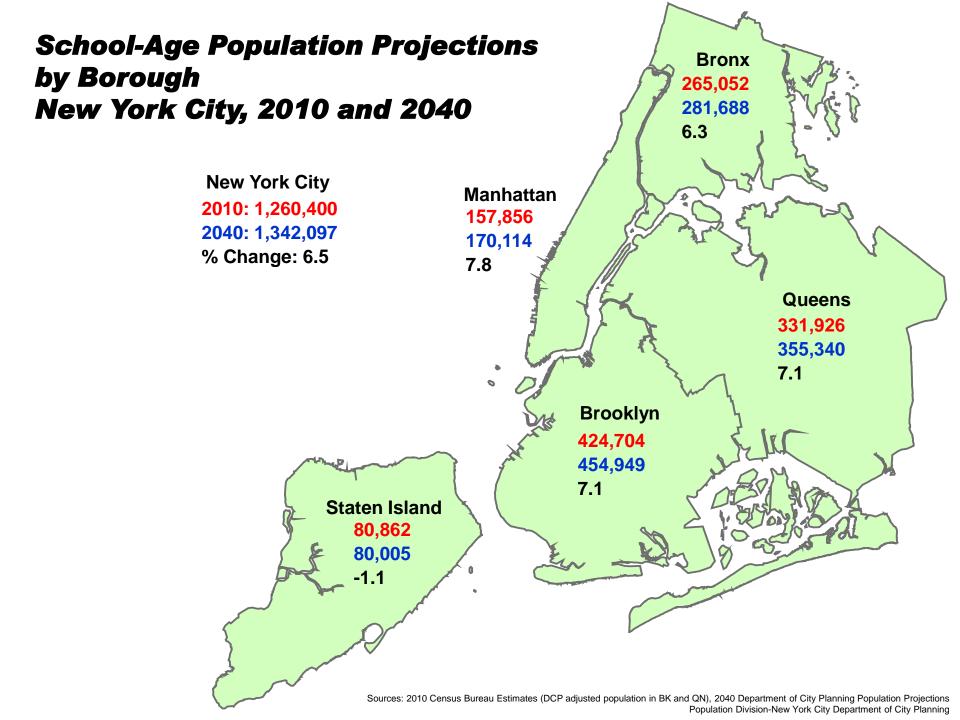
- Carrying Capacity of the Infrastructure
  - Existing water supply and sewer capacity
- •Land Development Needs of Public Facilities
  - •Including schools, parks, libraries, police and fire depts.
- Non-Residential Uses
  - Prohibits residential development

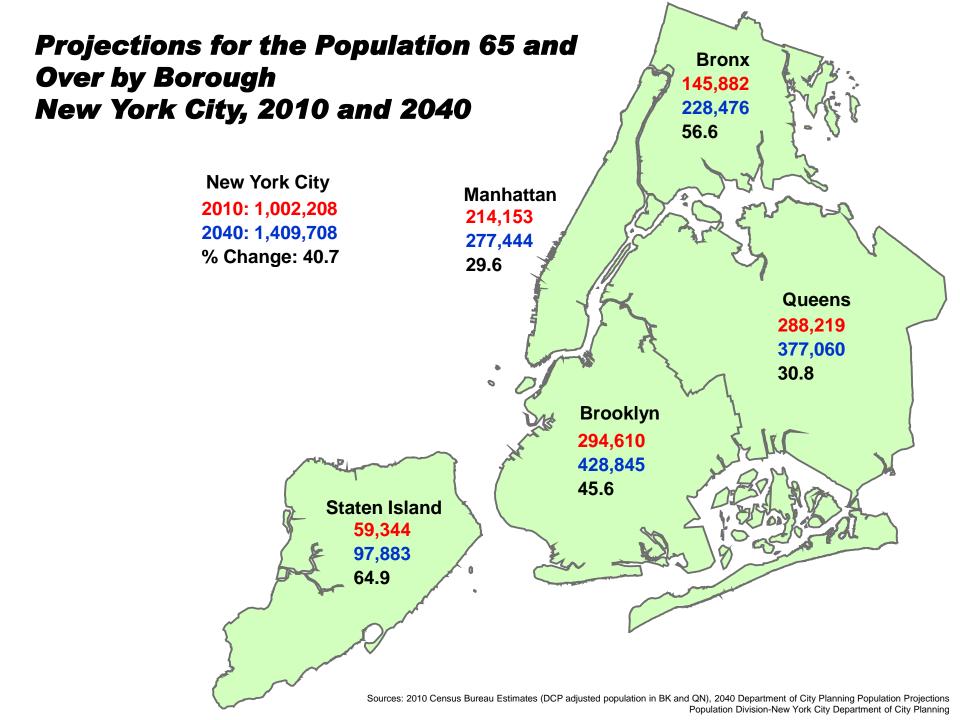
## Residential Land Use Scenario: Background Growth





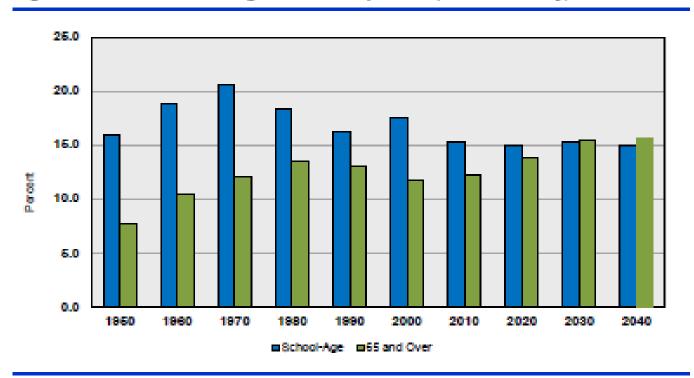




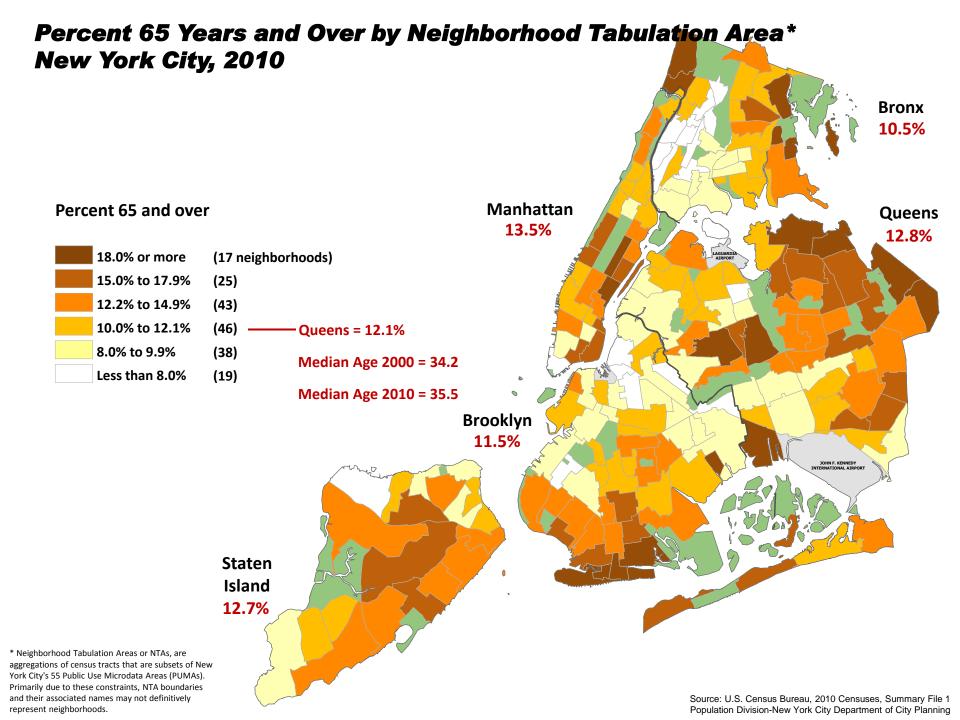


## Share of School-age and 65+ Population, NYC 1950-2040

Figure 5: Share of School-age and 65+ Population, New York City, 1950-2040

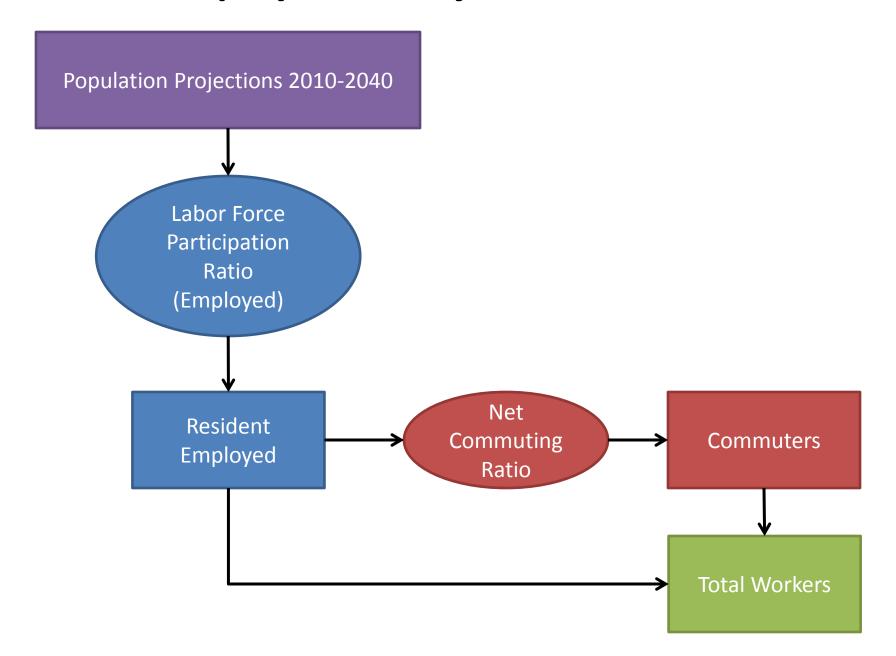


Unadjusted decennial census data, 1950-2000; DCP adjusted decennial census data 2010; DCP Population Projections, 2020-2040



# **Employment Projections**

## **Employment Projections 2010-2040**

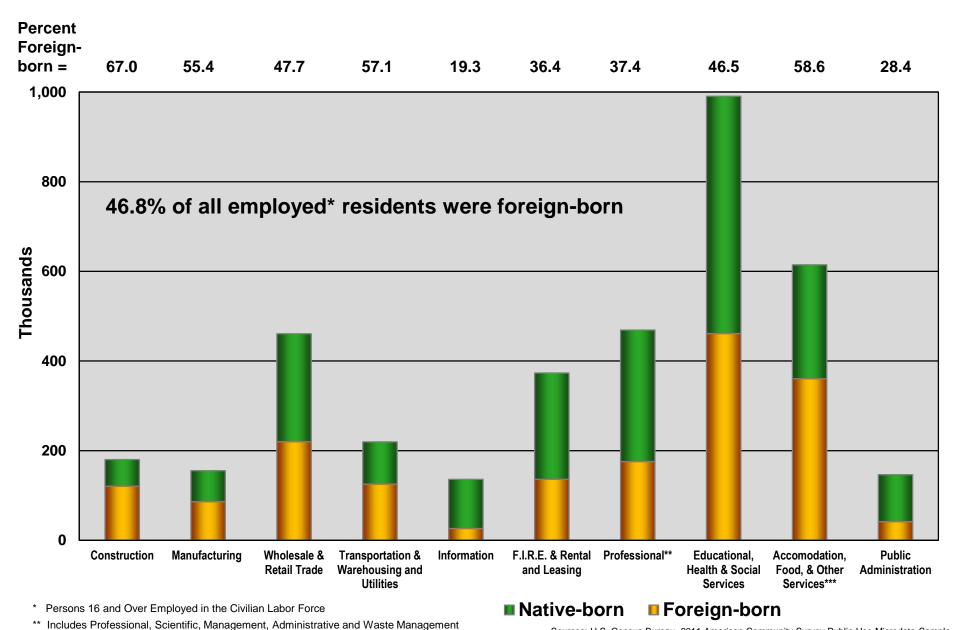


Percent of Residents 16-64 years in the Labor Force by Neighborhood Tabulation Area\* **Bronx** 67.1% New York City, 2008-2012 New York City = 72.0% Percent in the Labor Force 80.0% or more (17 neighborhoods) Manhattan 75.0% to 79.9% (38)Queens 75.5% 70.0% to 74.9% (68)74.3% 65.0% to 69.9% (44)**Less than 65.0%** (26)Brooklyn 🖔 70.6% Staten Island \* Neighborhood Tabulation Areas or NTAs, are 68.7% Source: U.S. Census Bureau, 2008-2012 American Community Survey-FactFinder

Population Division-New York City Department of City Planning

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.

# Nativity of Employed\* Residents by Selected Industry New York City, 2011



<sup>\*\*\*</sup> Includes Arts, Entertainment, Recreation, and Other Services (Except Public Administration)

## **Resident Employed Projections 2010-2040**

- Summary of Results, NYC:
  - NYC Resident Workers increased by 250,537
  - Largest growing Industries in NYC (Residents):
    - **Health Care**: 17% of total resident employment, +45,000
    - **Retail Services**: 10%, +25,900
    - Education: 9%, +22,300
    - Professional/Technical: 8%, +18,500

## **Workplace Employment Projections 2010-2040**

- Summary of Results, NYC:
  - Workplace employment increased by 253,275
  - Largest growing Industries in NYC workplace
    - Health Care: 16% of total employment,
       +46,100
    - Professional/Technical: 10%, +20,500
    - Education: 9%, +25,500
    - **Retail Services**: 9%, +22,350

# Questions