

ACS DATA USE CASES FOR NEW YORK CITY'S COVID-19 CRISIS

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POPULATION DIVISION

June 25th 2020



The COVID-19 Crisis in New York City

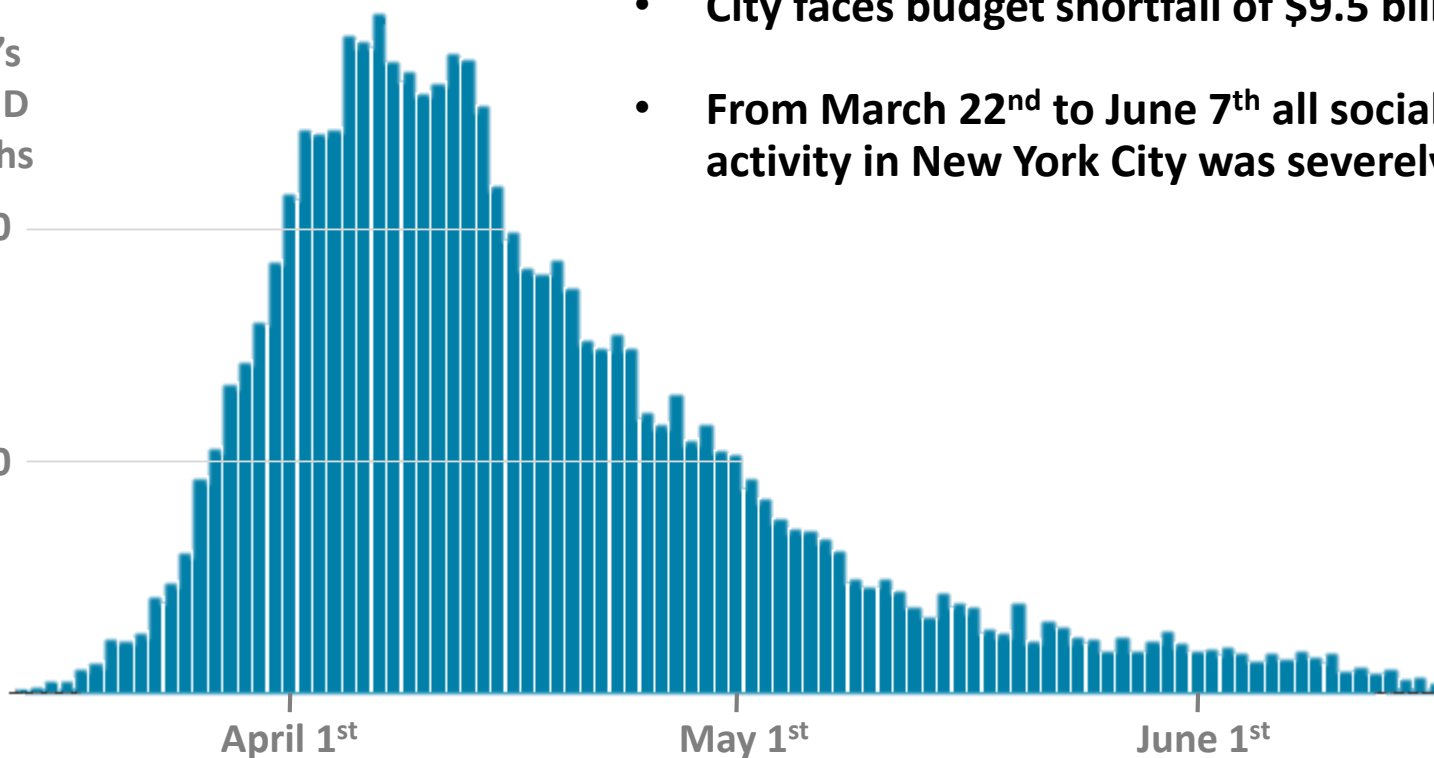


- 22,321 COVID-19 related deaths in NYC
- At least 1-in-5 residents tested positive for antibodies
- Over 800,000 residents newly unemployed
- City faces budget shortfall of \$9.5 billion
- From March 22nd to June 7th all social & economic activity in New York City was severely curtailed

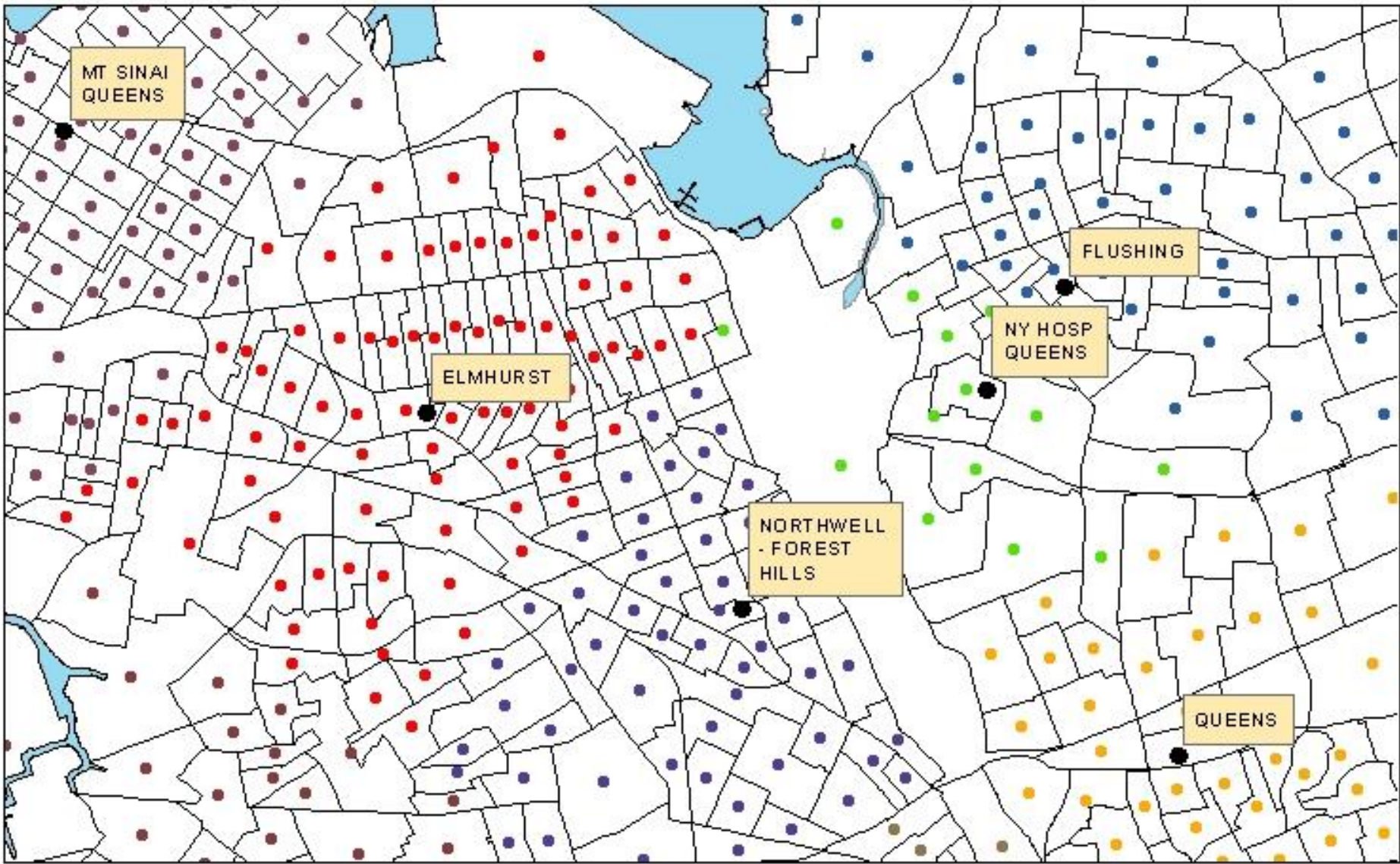
NYC's
COVID
Deaths

400

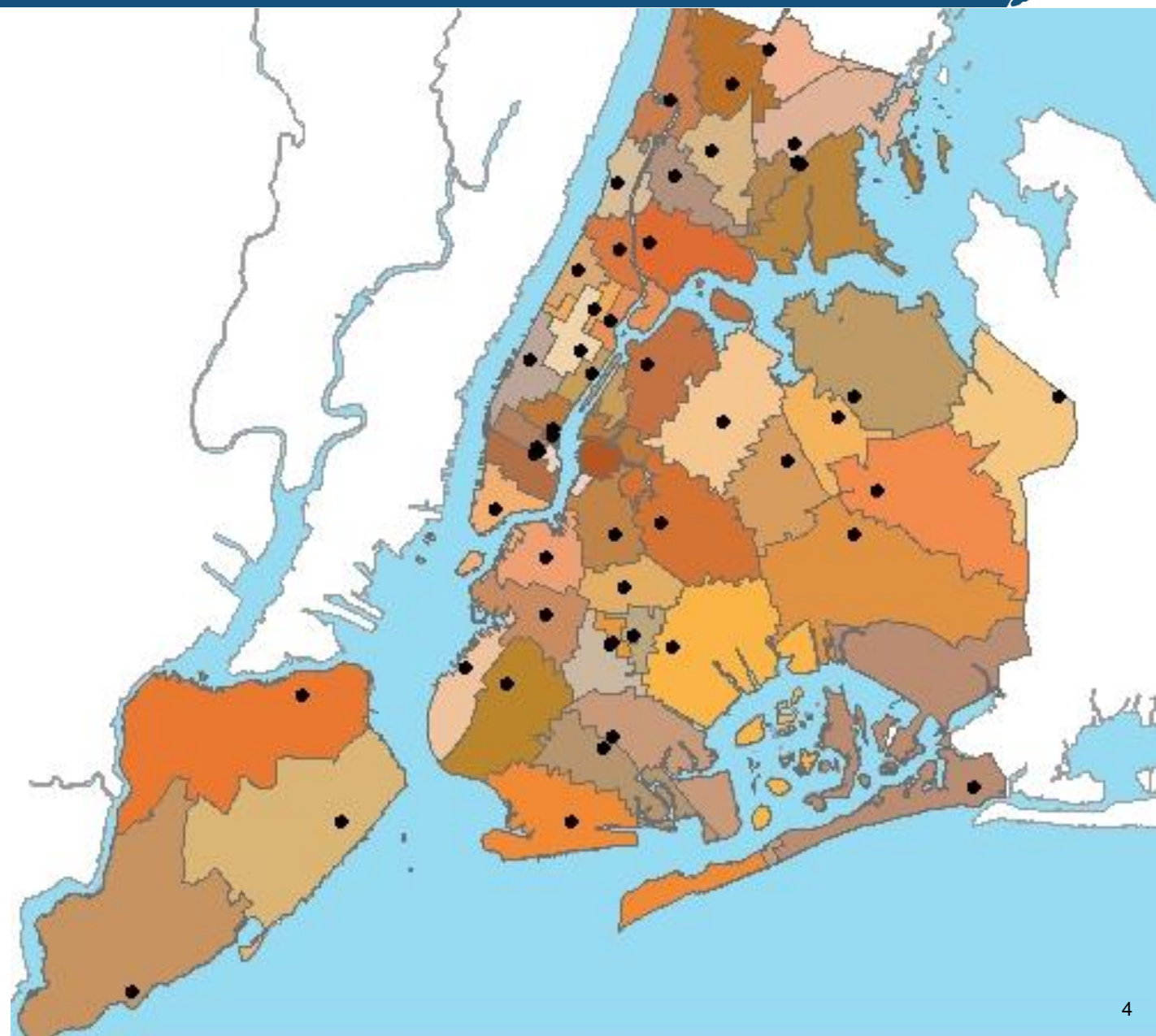
200



Census Tract Centroids Allocated into Hospital Service Areas Northern portion of Queens, NY

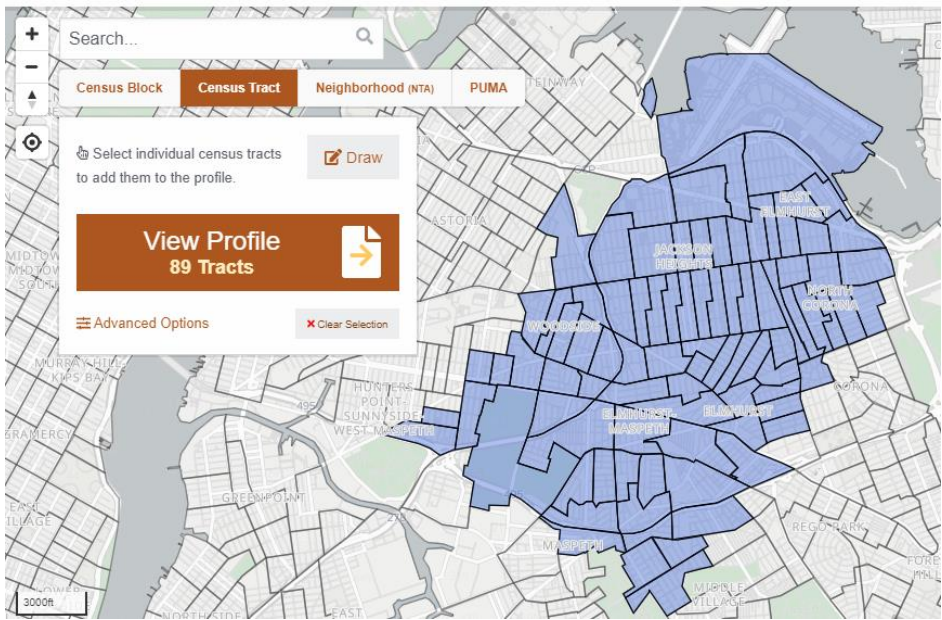


Tract Based Hospital Service Areas New York City



Hospital Service Area Elmhurst Hospital, Queens NY

NYC PLANNING Population FactFinder



Demographic Profile

[Download Data \(csv\)](#)

2014-2018 American Community Survey (ACS)

Change Over Time (2006-2010 to 2014-2018)


Age and Sex

	Selected Area				
	Number			Percent	
	Estimate	MOE	CV	Estimate	MOE
<input checked="" type="checkbox"/> Show Reliability Data					
Total population	372,058	5,299	0.9	100.0%	
Male	188,136	3,326	1.1	50.6%	0.5%
Female	183,922	3,219	1.1	49.4%	0.5%
Under 5 years	24,285	1,397	3.5	6.5%	0.4%
5 to 9 years	20,470	1,074	3.2	5.5%	0.3%
10 to 14 years	20,623	1,060	3.1	5.5%	0.3%
15 to 19 years	18,340	1,027	3.4	4.9%	0.3%
20 to 24 years	22,279	1,167	3.2	6.0%	0.3%
25 to 29 years	30,432	1,408	2.8	8.2%	0.4%
30 to 34 years	32,343	1,392	2.6	8.7%	0.4%
35 to 39 years	31,742	1,312	2.5	8.5%	0.3%

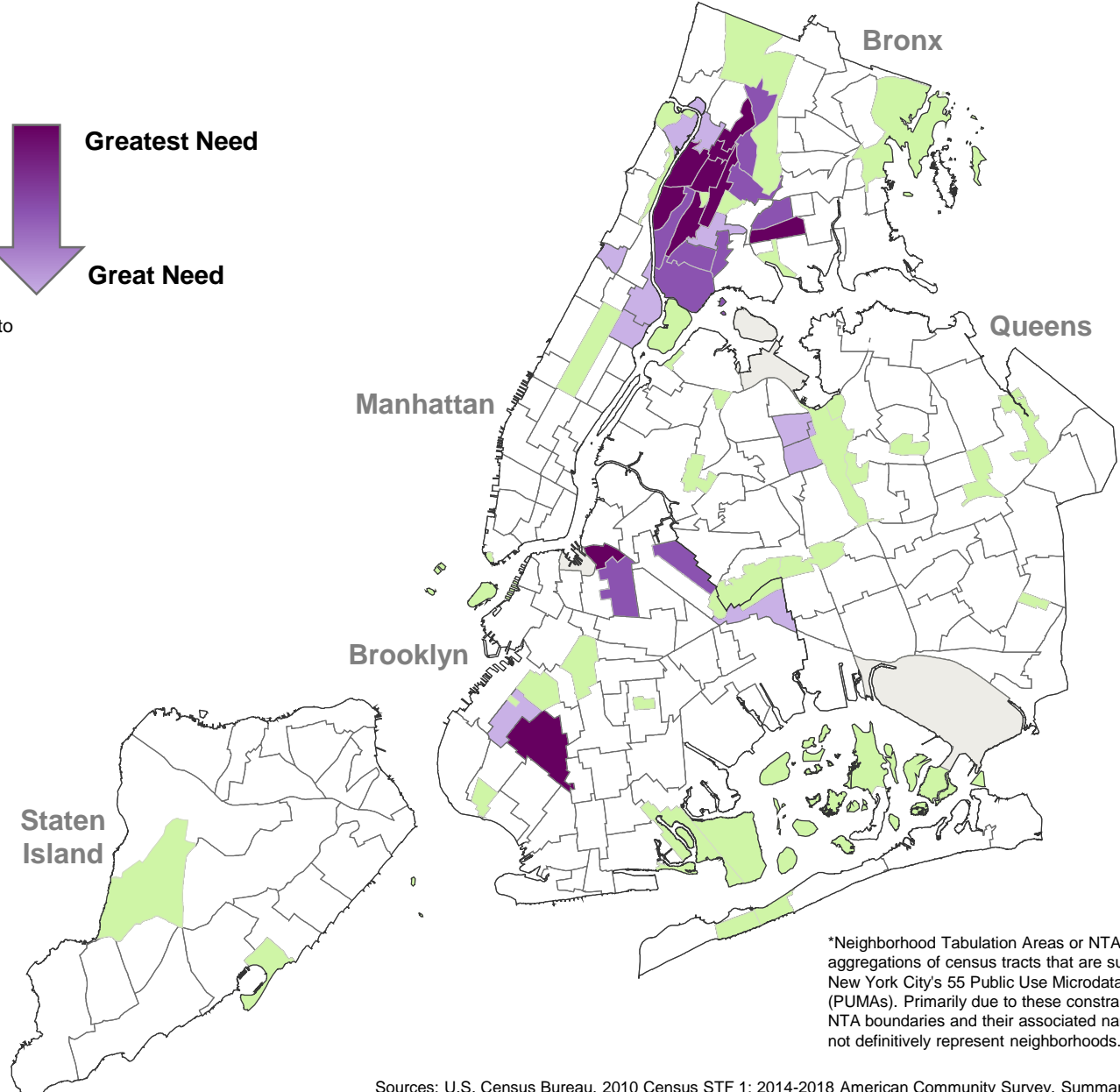
Target Areas for Summer Youth Programs

New York City Neighborhood Tabulation Areas (NTAs)*

Group 1 (10 NTAs) **Greatest Need**
 Group 2 (10)
 Group 3 (10) **Great Need**

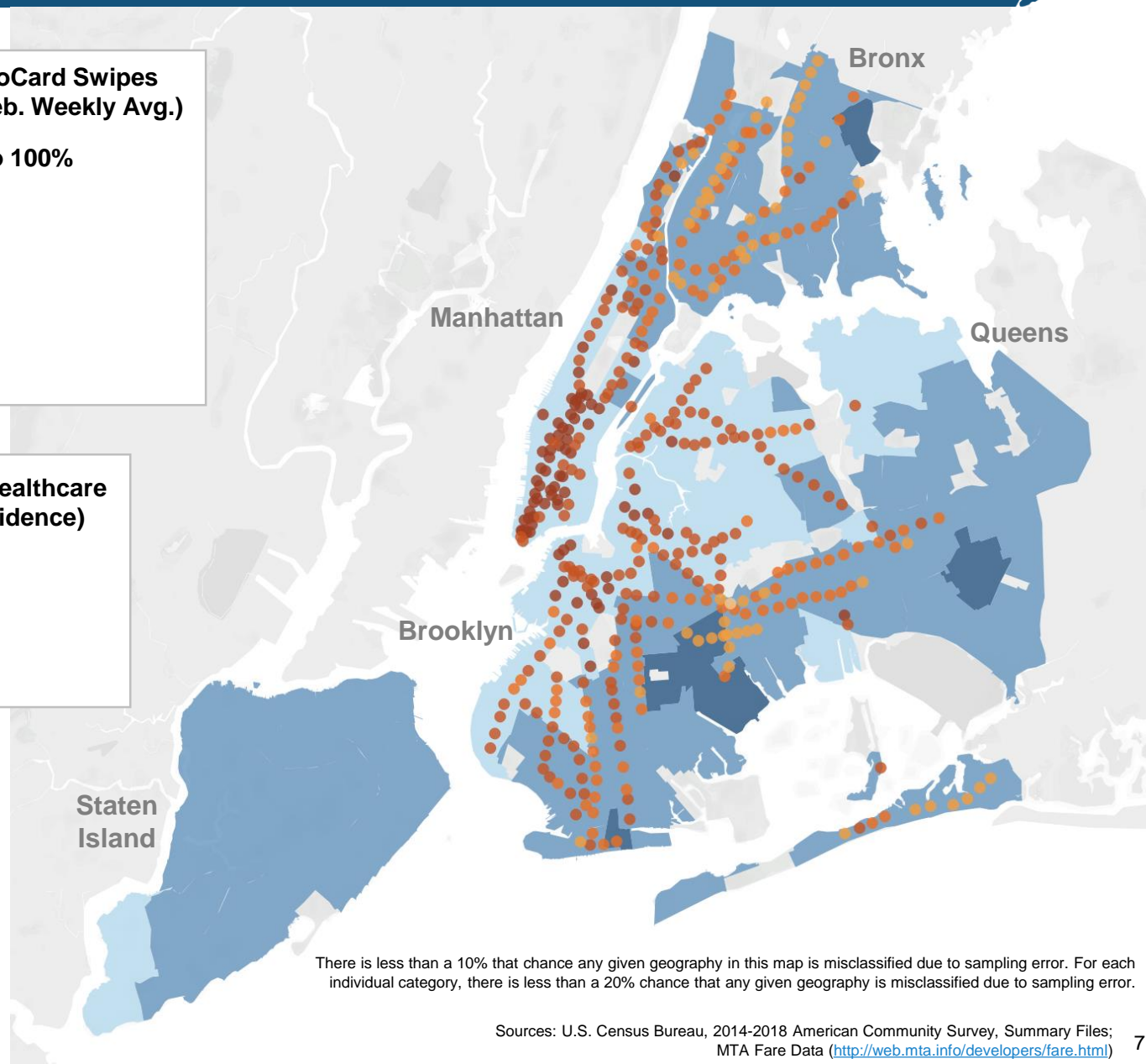
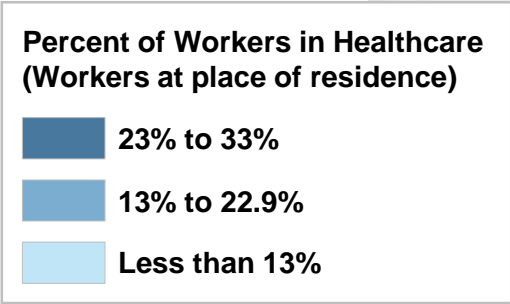
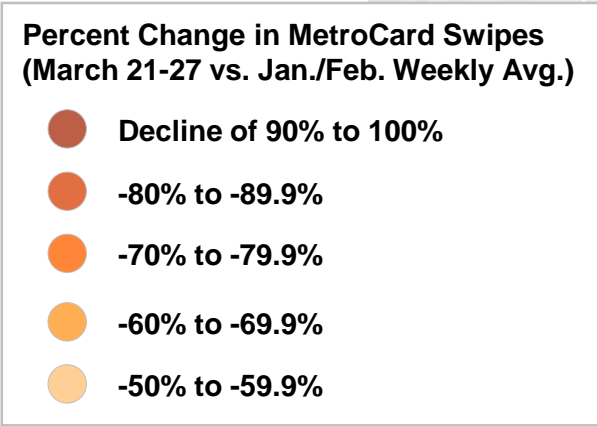


*Based on percent of population ages 14 to 24, percent of population ages 14 to 24 in poverty, overcrowding, and density



*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.

Subway Use and Percent of Workers in Healthcare Industry New York City Neighborhoods (NTAs) & Subway Stations



There is less than a 10% that chance any given geography in this map is misclassified due to sampling error. For each individual category, there is less than a 20% chance that any given geography is misclassified due to sampling error.

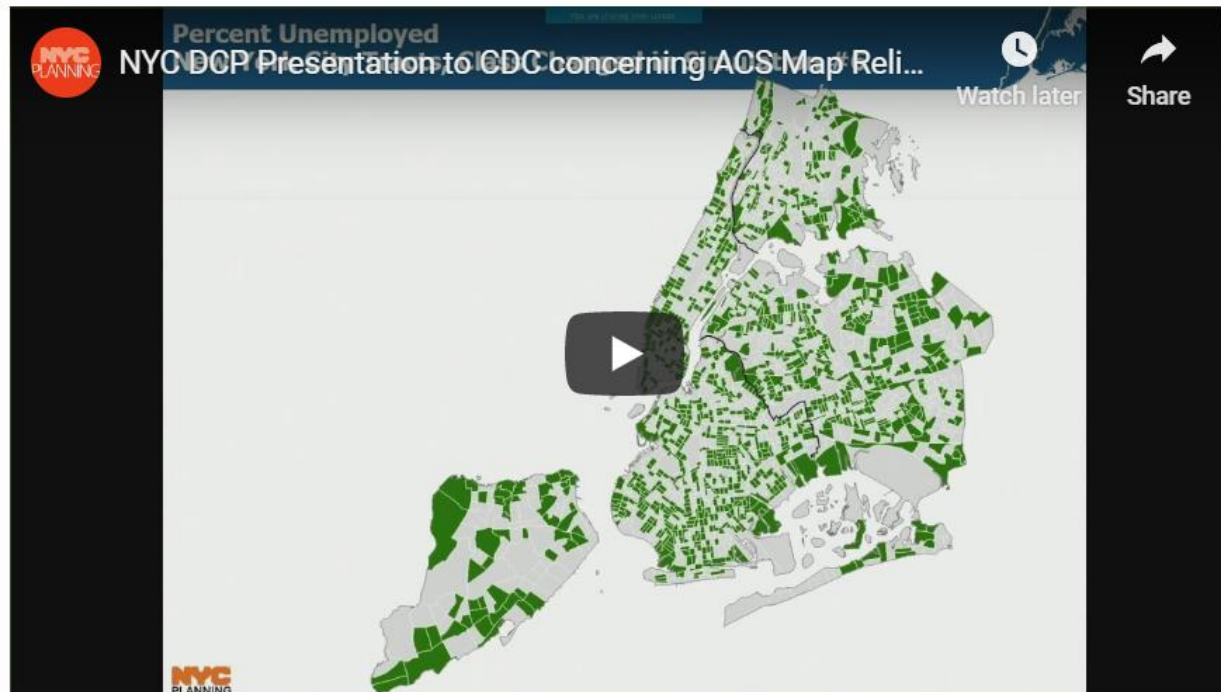
Map Reliability Calculator

How error prone is your map? If you're mapping **American Community Survey (ACS) data**, then our Map Reliability Calculator will help guide you in the creation of statistically reliable map categories.

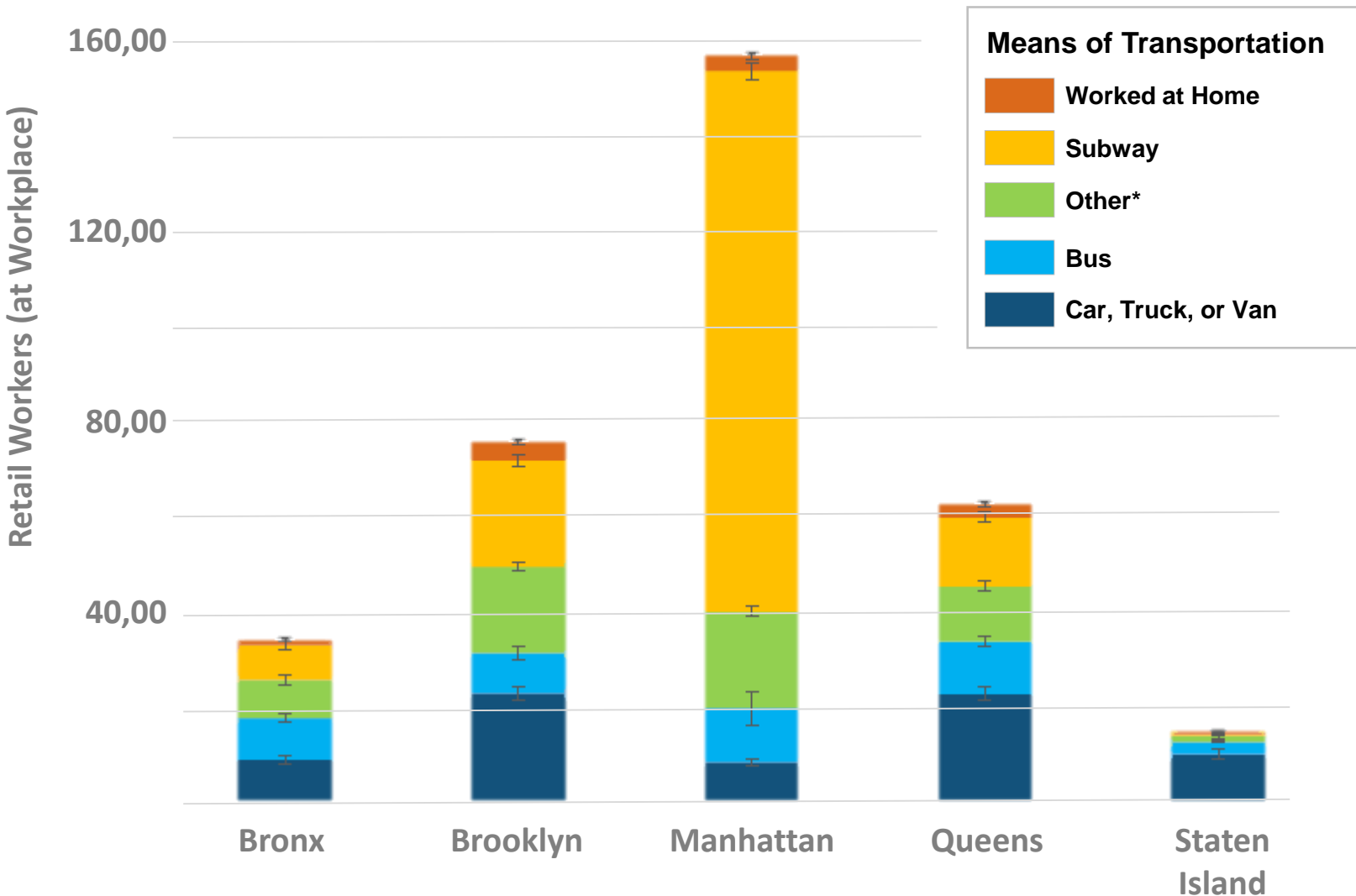
- **Map Reliability Calculator (2.5k geo limit — faster)**
- **Map Reliability Calculator (75k geo limit — slower)**

For examples of how to use the Map Reliability Calculator, **see case study #2** in the U.S. Census Bureau's **ACS Handbook on What State and Local Government Users Need to Know**.

Watch our presentation to the Centers for Disease Control and Prevention (CDC) for a broad overview of issues related to mapping ACS data and background on the Map Reliability Calculator.



Commute Mode by Workplace for Retail Workers New York City Boroughs, 2014-2018



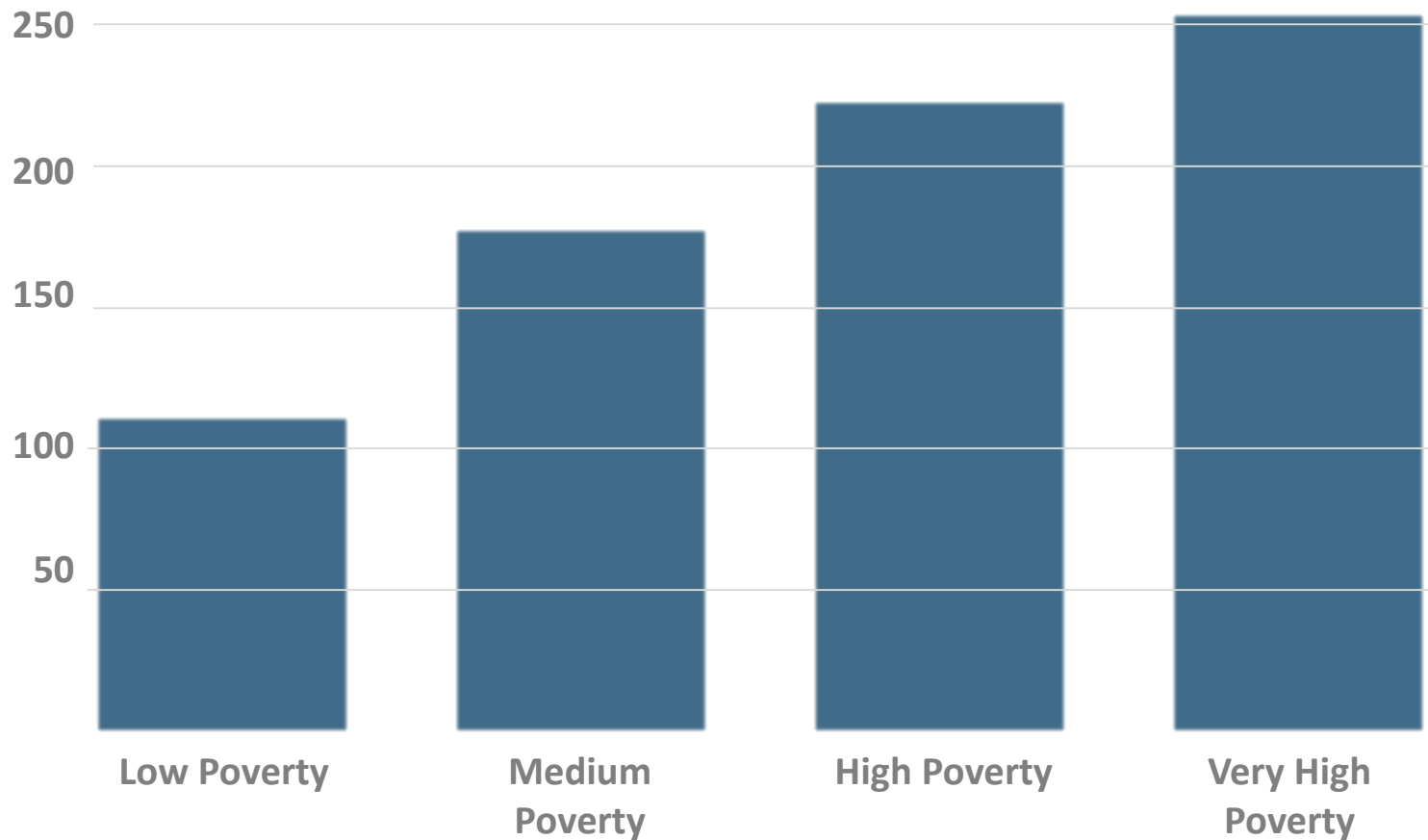
*Other includes streetcar, rail, ferry, taxi, motorcycle, bicycle, walked, and other means

Source: U.S. Census Bureau, 2014-2018 American Community Survey, PUMS

COVID-19 Death Rate by Neighborhood Poverty New York City ZIP Code Tabulation Areas (ZCTAs)



COVID Death Rate
(per 100,000)



Neighborhood poverty is the percent of a ZIP code's population living below the Federal Poverty Level, per the [2013-2017 American Community Survey](#). Low poverty: under 10%; Medium poverty: 10% to 19.9%; High poverty: 20% to 29.9%; Very high poverty: 30% and over.

Website: <https://www1.nyc.gov/site/doh/covid/covid-19-data.page>

This presentation does not necessarily reflect the views of the Department of City Planning or the City of New York.