The State of Rural Upstate New York

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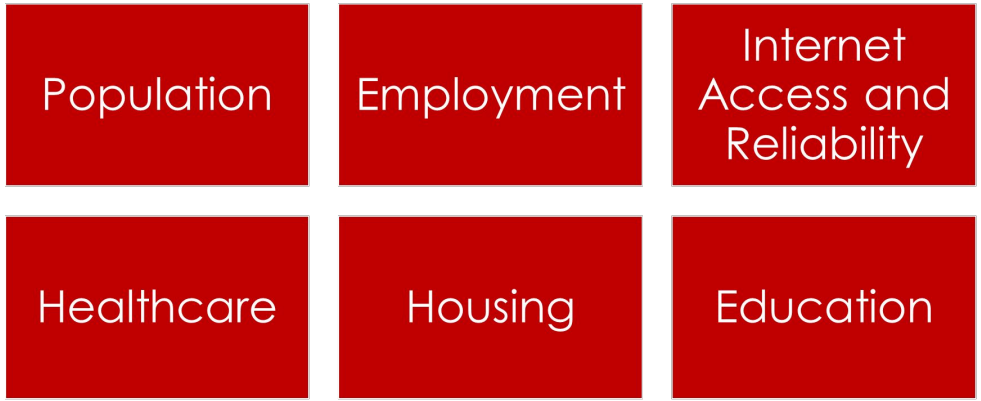
#RuralReality

Introduction / Setting the Stage

- Provide broad overview of Rural NY using latest data available



- Stimulate Questions and Discussion
- We offer a Partnership for further Analyses and Questions

Population Change

New York's declining rural population

Population Change By County (2010-2020)

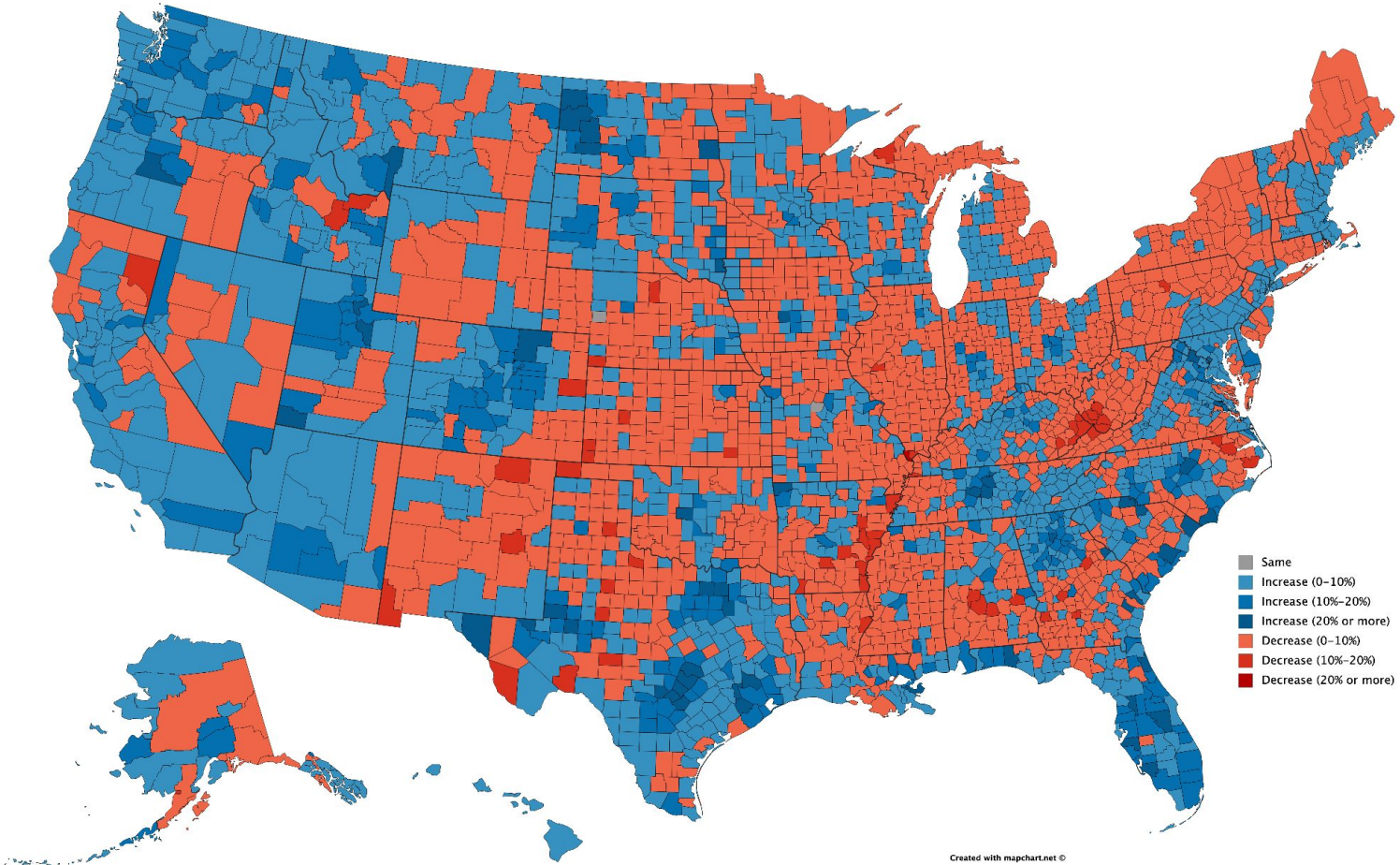
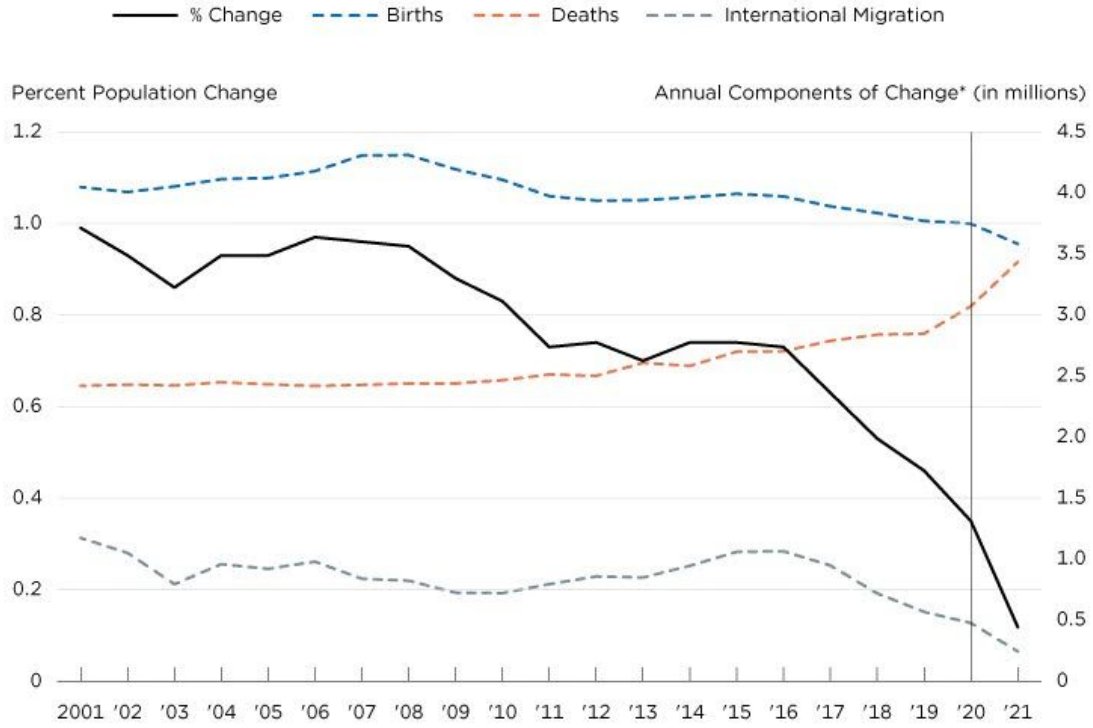


Figure 2.

Population Change and the Components of Change: 2001–2021

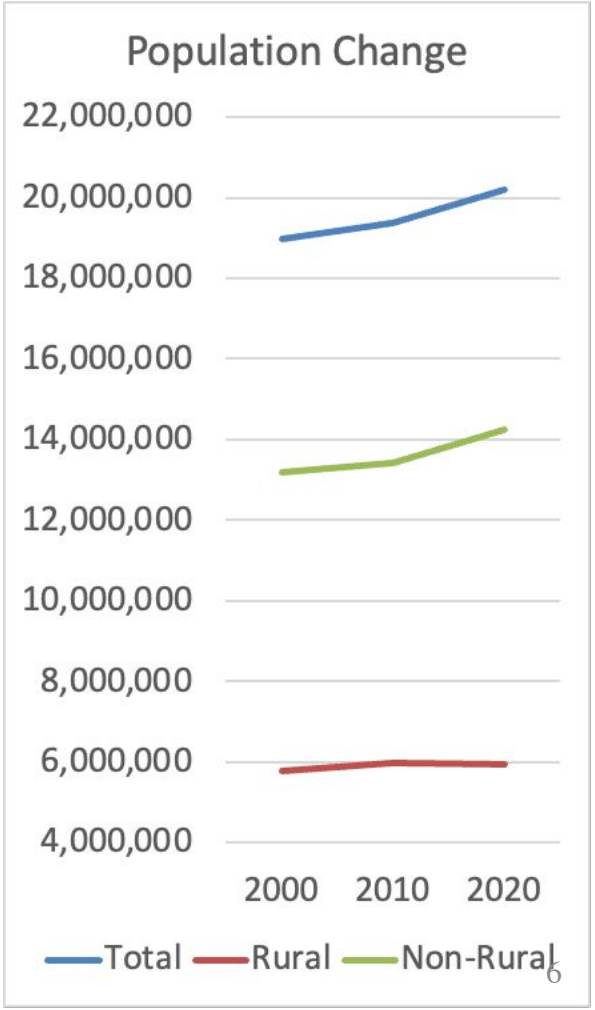


* Components of change include births, deaths and net international migration.
Note: Only data to the right of the line are from Vintage 2021.
Source: U.S. Census Bureau, Vintage 2020 Estimates; Vintage 2021 Estimates; 2000-2010 Intercensal Estimates.

NYS Population

Year	Total	Rural
2000	18,976,457	5,784,378
2010	19,378,102	5,967,423
2020	20,201,249	5,954,773

Source: US Census Bureau Decennial Census
Rural: Total - (Big 5, Westchester, Nassau, Rockland)



Top Population Gains and Losses by County

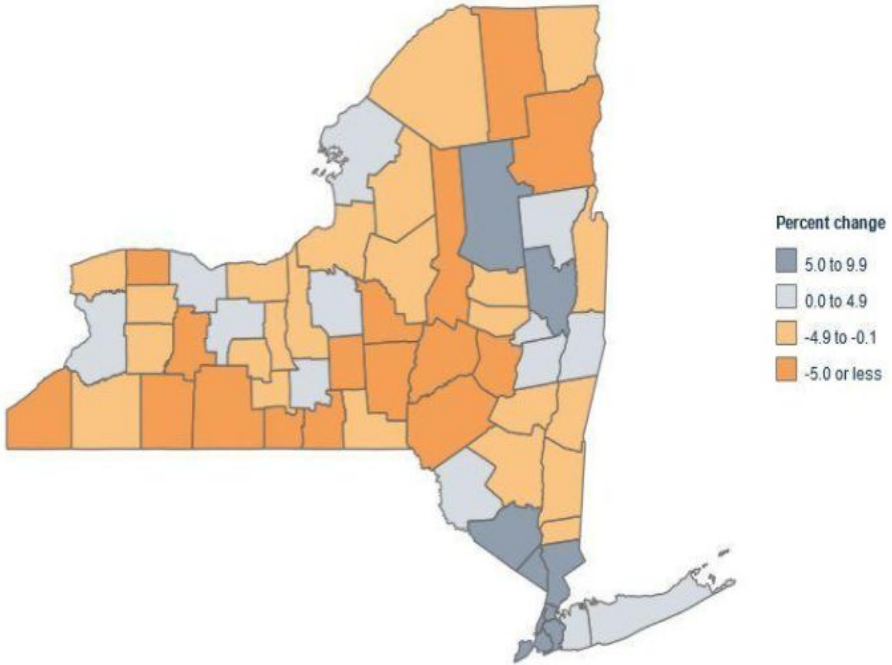
Table - Top/Bottom 3 in Total Population Change 2000 to 2020

	2000	2010	2020	%Change Last 10	%Change Last 20
Schoharie County	31,582	32,749	29,714	-9.3%	-5.9%
Franklin County	51,134	51,599	47,555	-7.8%	-7.0%
Delaware County	48,055	47,980	44,308	-7.7%	-7.8%
Madison County	69,441	73,442	68,016	-7.4%	-2.1%
Orange County	341,367	372,813	401,310	7.6%	17.6%
Queens County	2,229,379	2,230,722	2,405,464	7.8%	7.9%
Rockland County	286,753	311,687	338,329	8.5%	18.0%
Kings County	2,465,326	2,504,700	2,736,074	9.2%	11.0%

Source: PAD Cornell

Percent Change in Population by County (2010-2019)

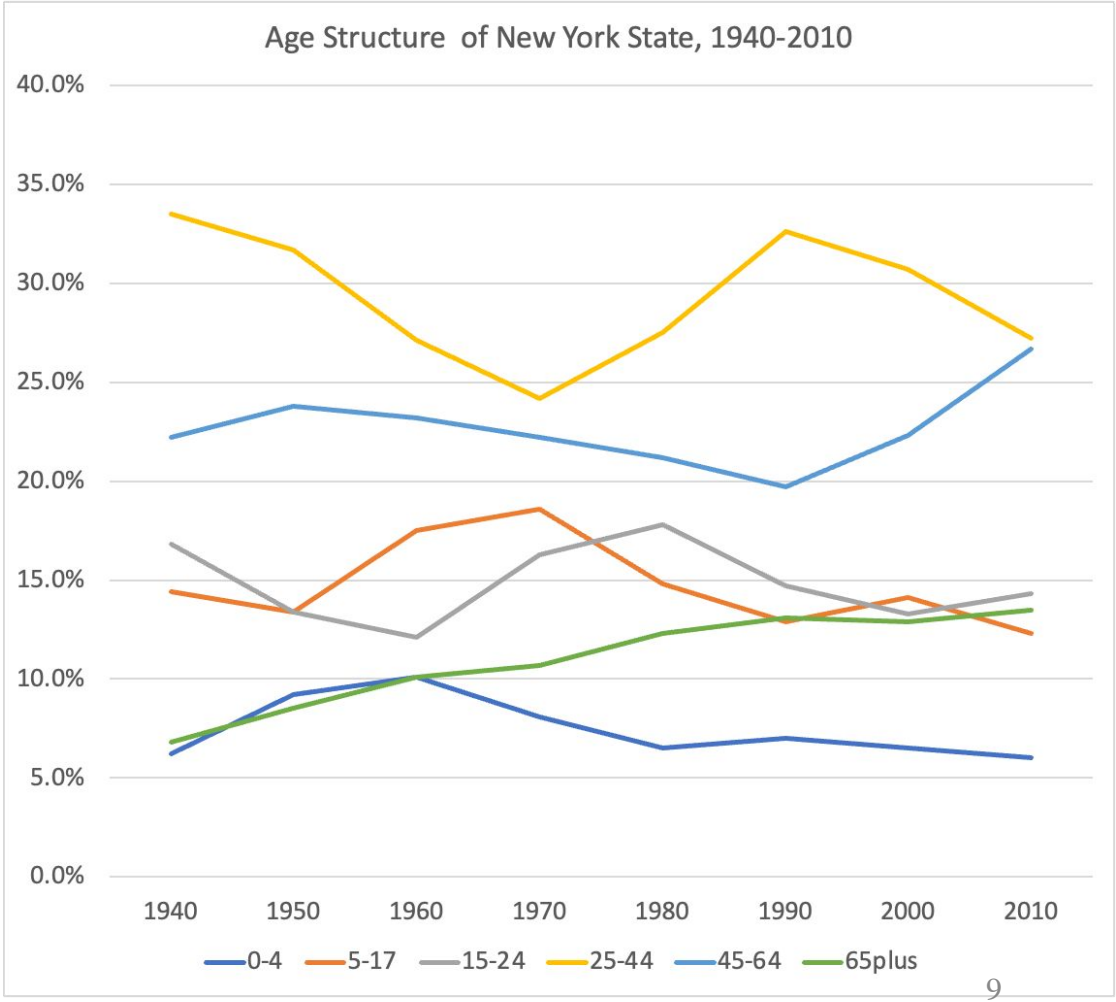
- Average Population rural counties are approximately 88,046 people
- Average population change was -1,575 people per rural county between 2010-2019



Source: CU Program in Applied Demographics using U.S. Census Bureau Decennial Census

NYS Age Structure

- According to the Census, natural decrease (death), only accounts for **.02%** of population decrease in rural counties.



Percent Population 65 and Older

	2016	2017	2018	2019	2020
Cayuga	17.90%	18.50%	19.10%	19.80%	20.50%
Cortland	15.60%	16.00%	16.40%	16.80%	17.30%
Madison	17.00%	17.70%	18.30%	18.90%	19.60%
Onondaga	16.20%	16.60%	17.10%	17.60%	18.10%
Oswego	15.40%	15.80%	16.30%	16.90%	17.50%

Source: PAD Cornell

Migration in the Northeast US

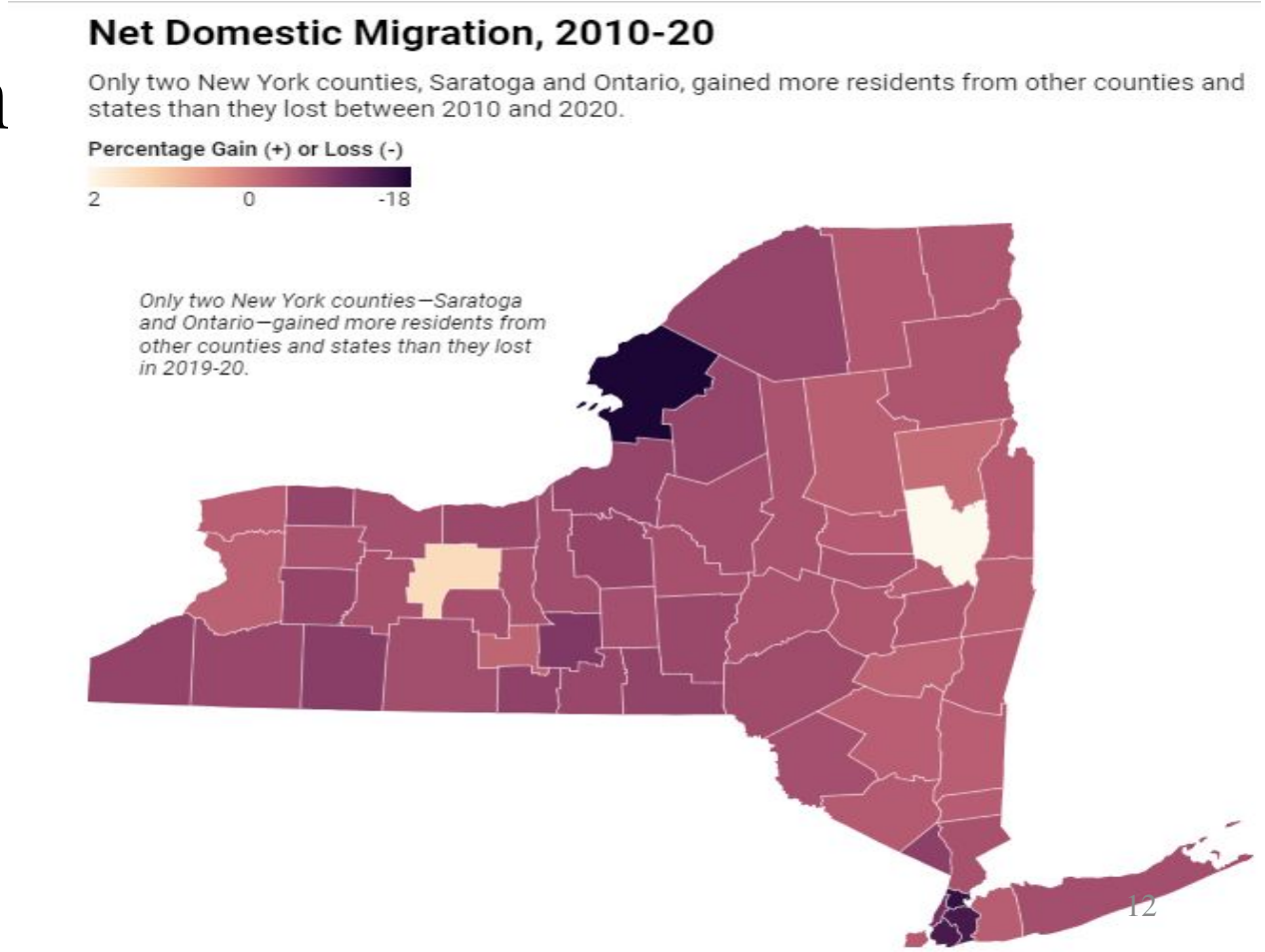
Net Average Migration in Rural Counties in 2010-2019 per year

State	Average Migration
Maschussetts	249.5
Ohio	-2.5
Pennsylvania	-56.05
New York	-314.86

Source: Population Reference Bureau

NYS Migration

- According to the Census, New York State lost the largest amount of population due to migration in 2020 since 1978.



Source: Census

Migration in NY Counties

Net Average Migration 2015-2019 per year

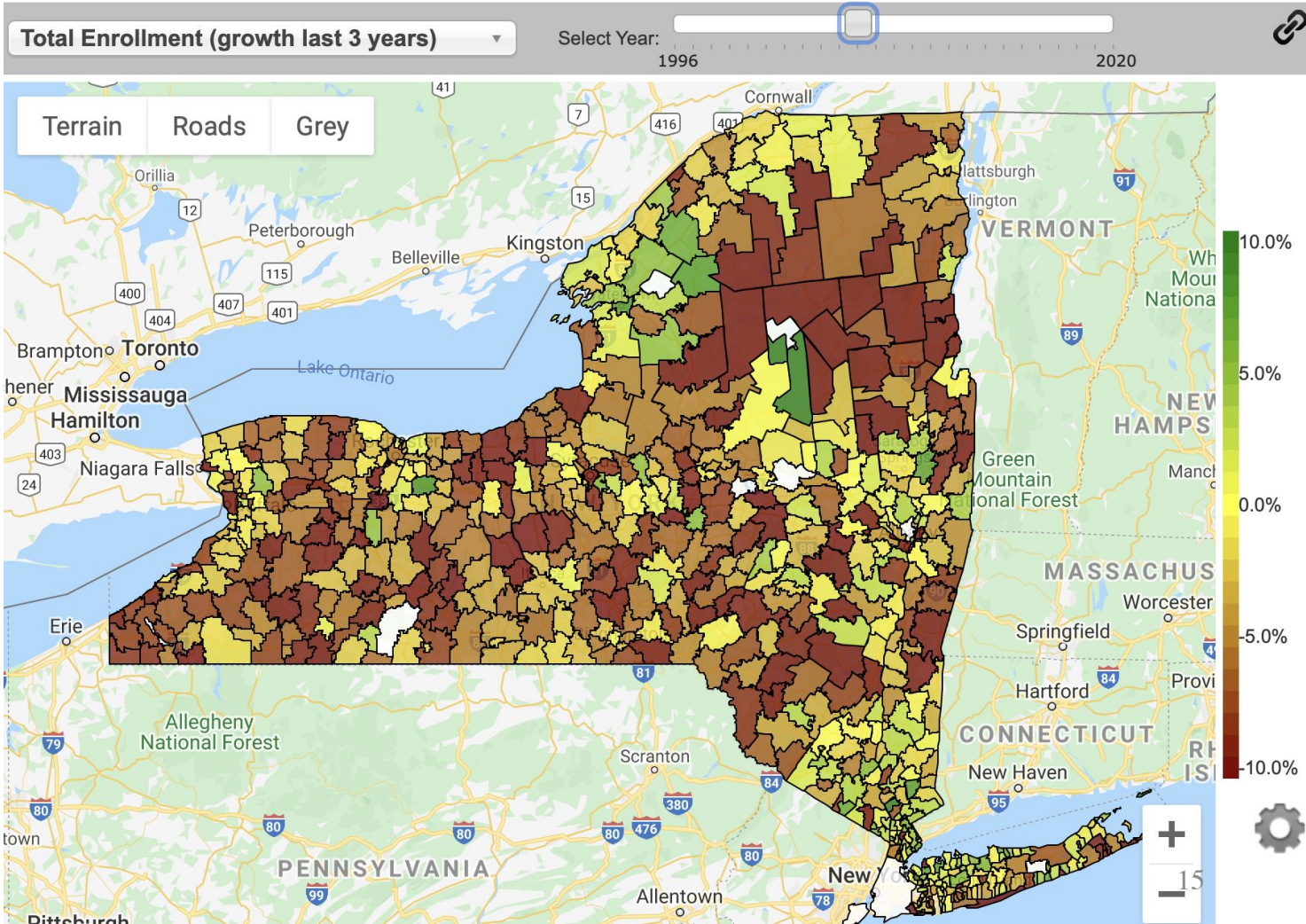
County	Net Average Migration
Oneida	-721.8
Broome	-1,105.2
Saratoga	732

Source: PAD Cornell

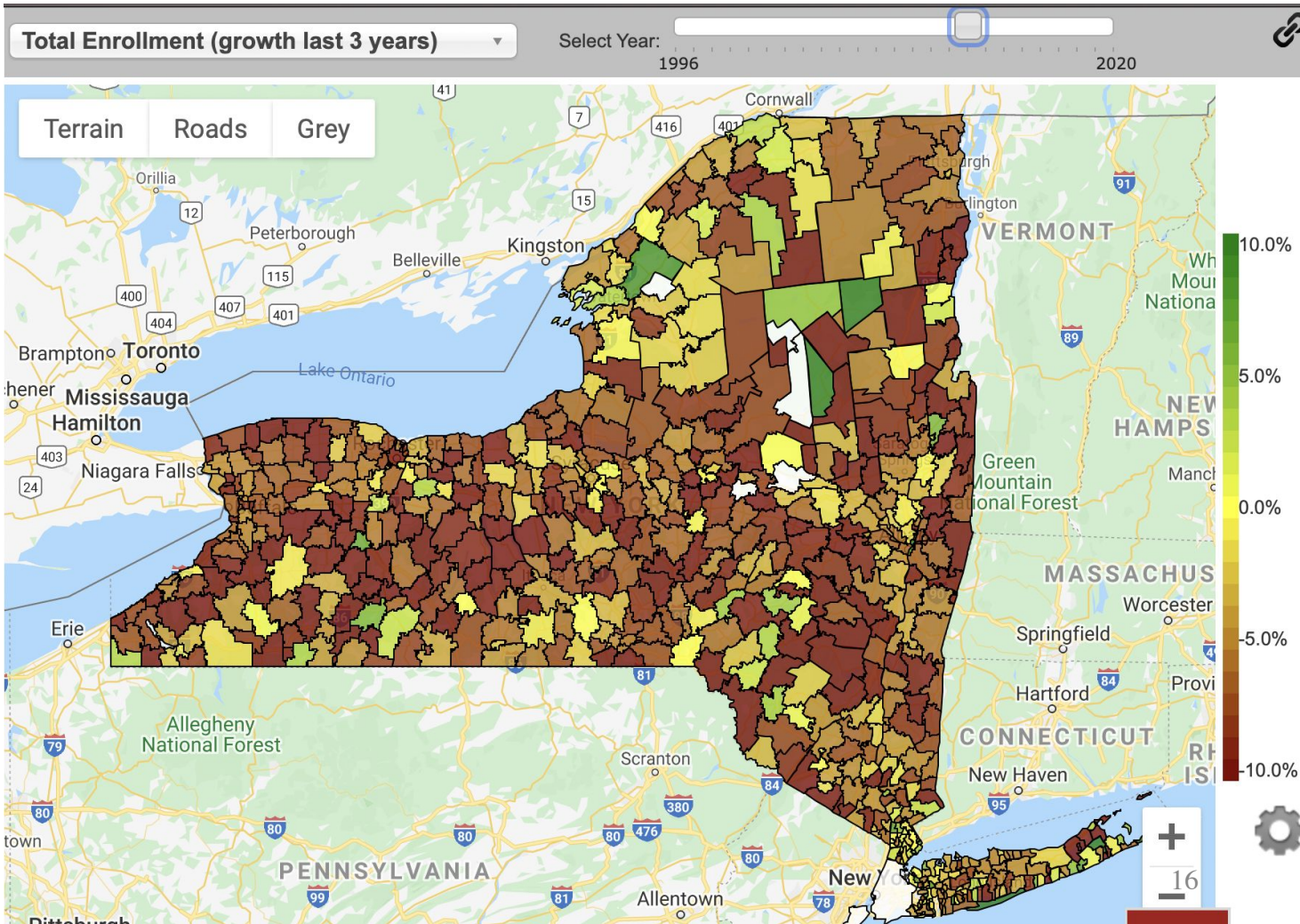
Education

A complicated story of high tax/high spending informed by enrollment loss and performance.

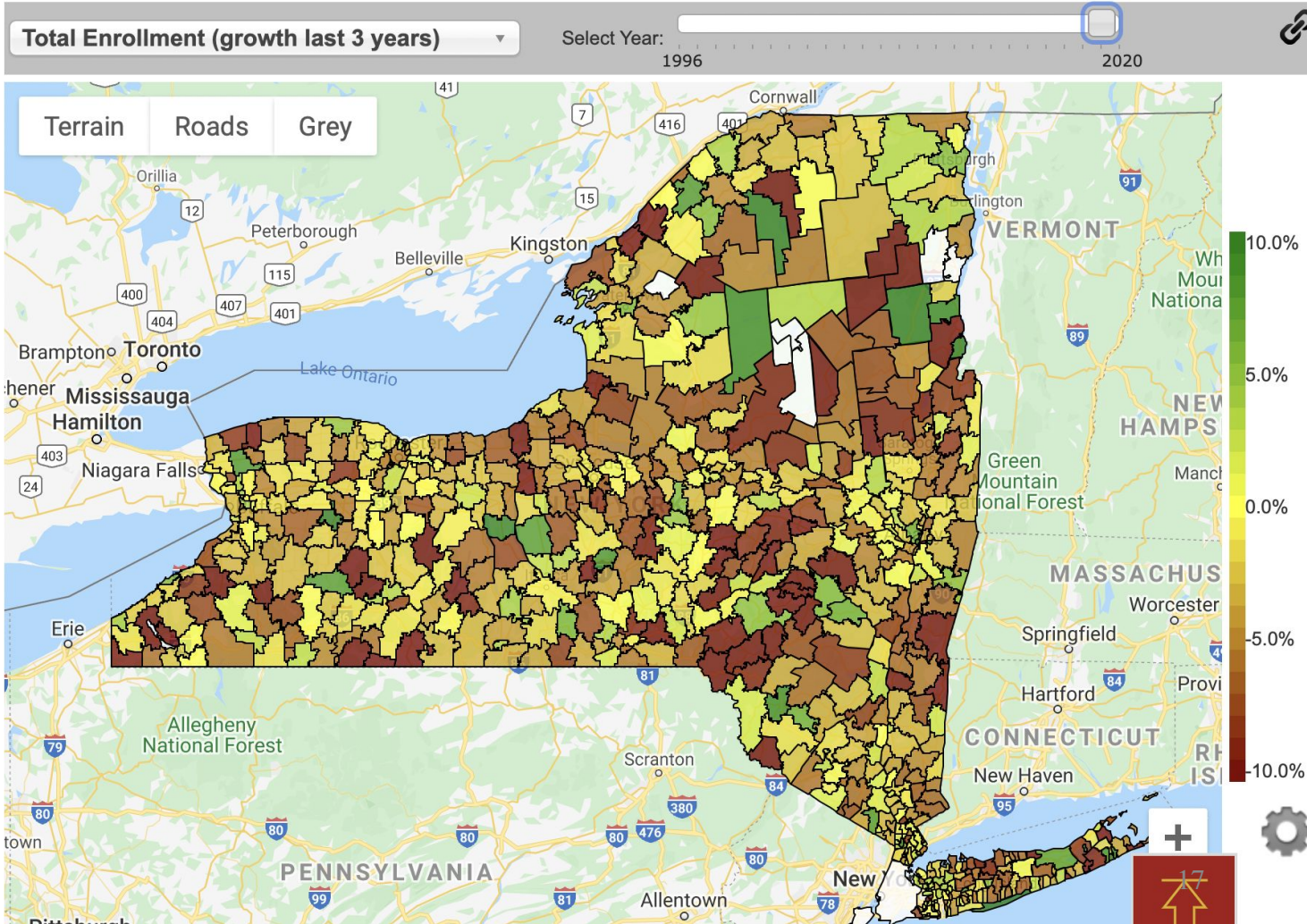
NYS Enrollment Change 2004-2006



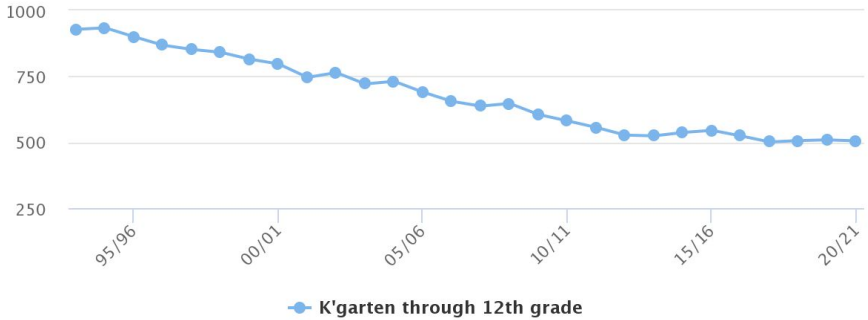
NYS Enrollment Change 2010-2012



NYS Enrollment Change 2017-2019



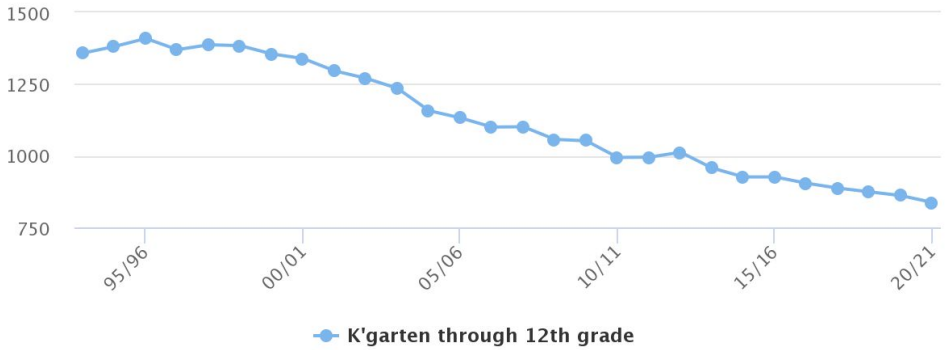
BROCTON CSD



Data source: New York State School and District Report Cards

Made through Cornell Program on Applied Demographics

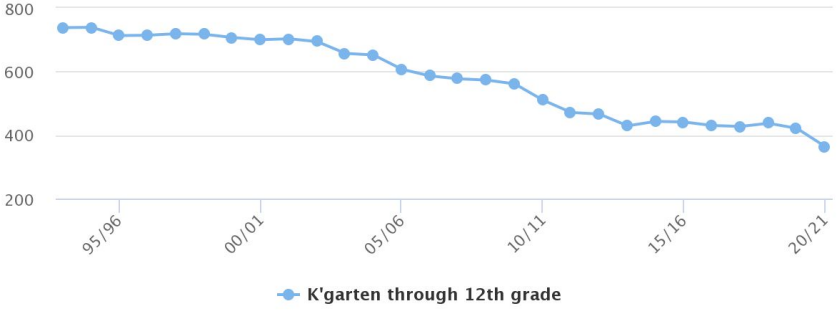
CATO-MERIDIAN CSD



Data source: New York State School and District Report Cards

Made through Cornell Program on Applied Demographics

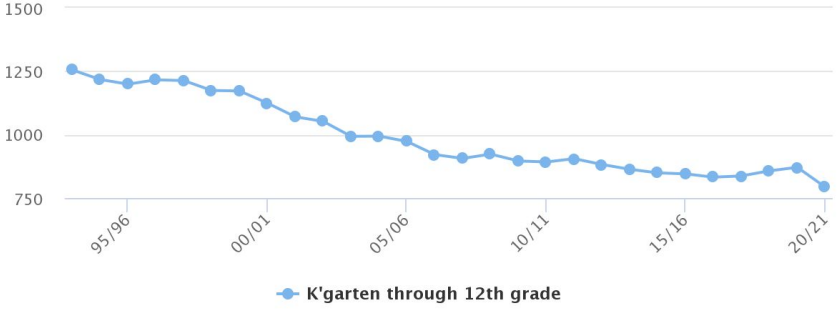
AVOCA CSD



Data source: New York State School and District Report Cards

Made through Cornell Program on Applied Demographics

BEAVER RIVER CSD



Data source: New York State School and District Report Cards

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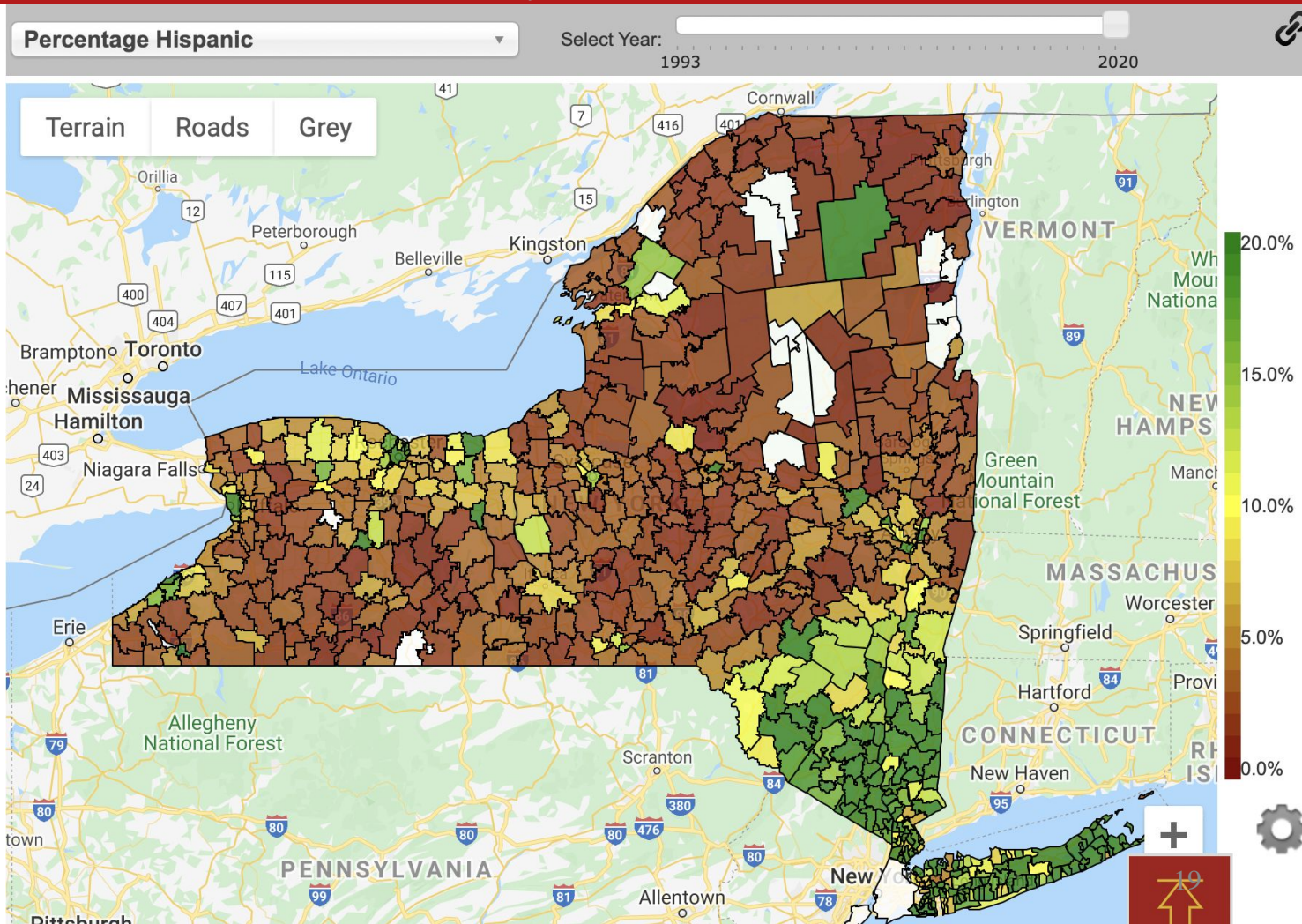
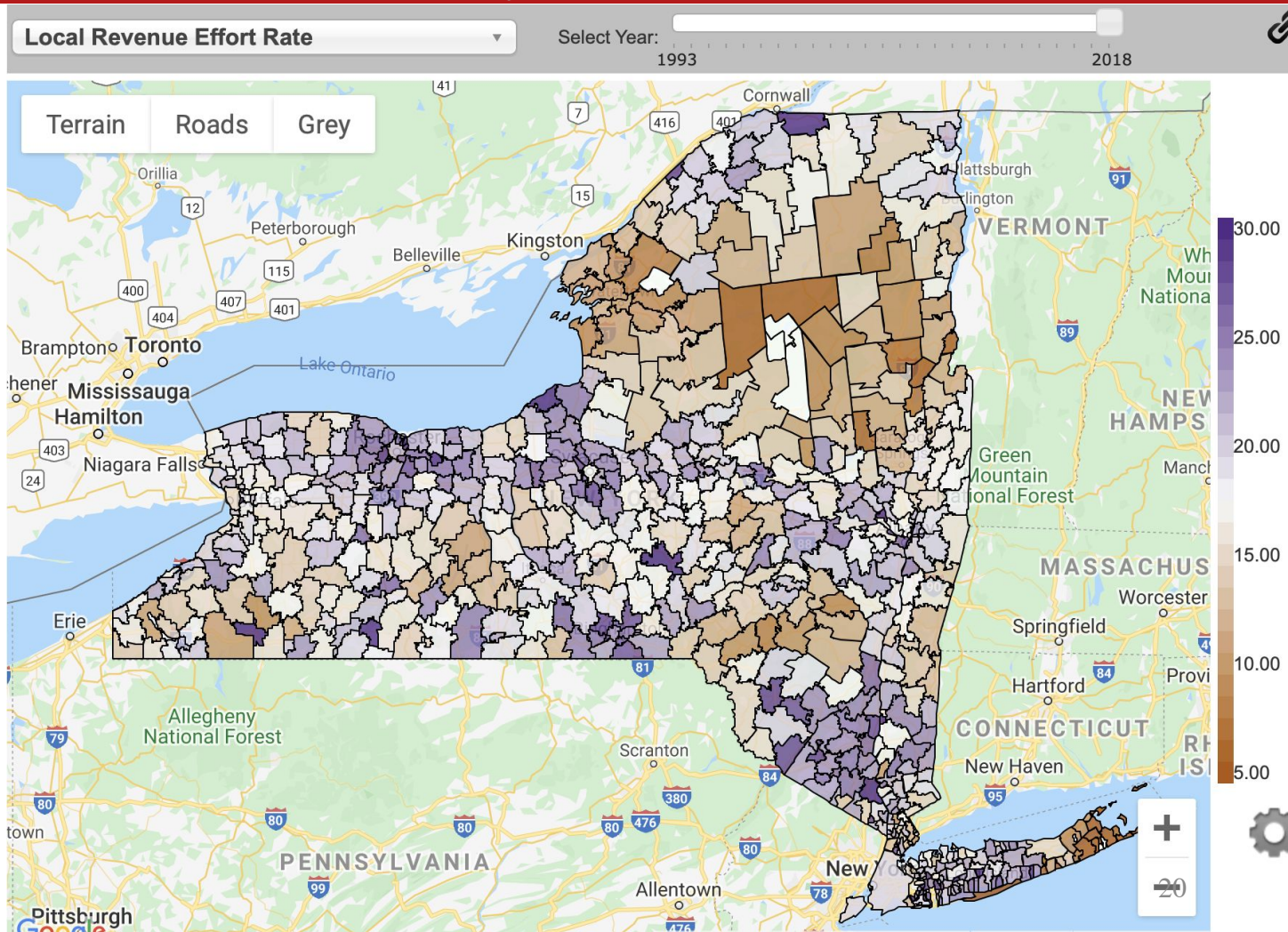
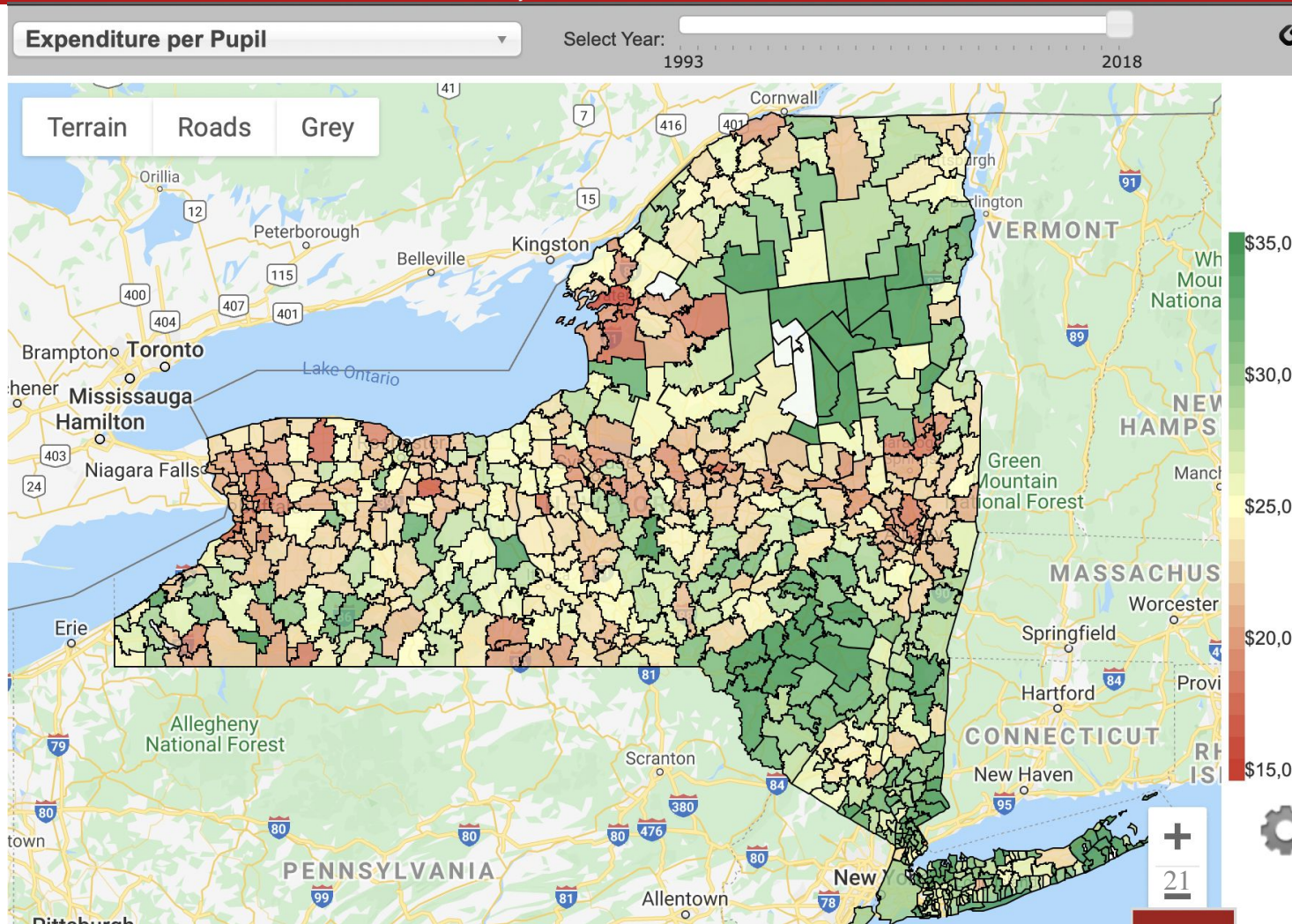
% Hispanic Enrollment



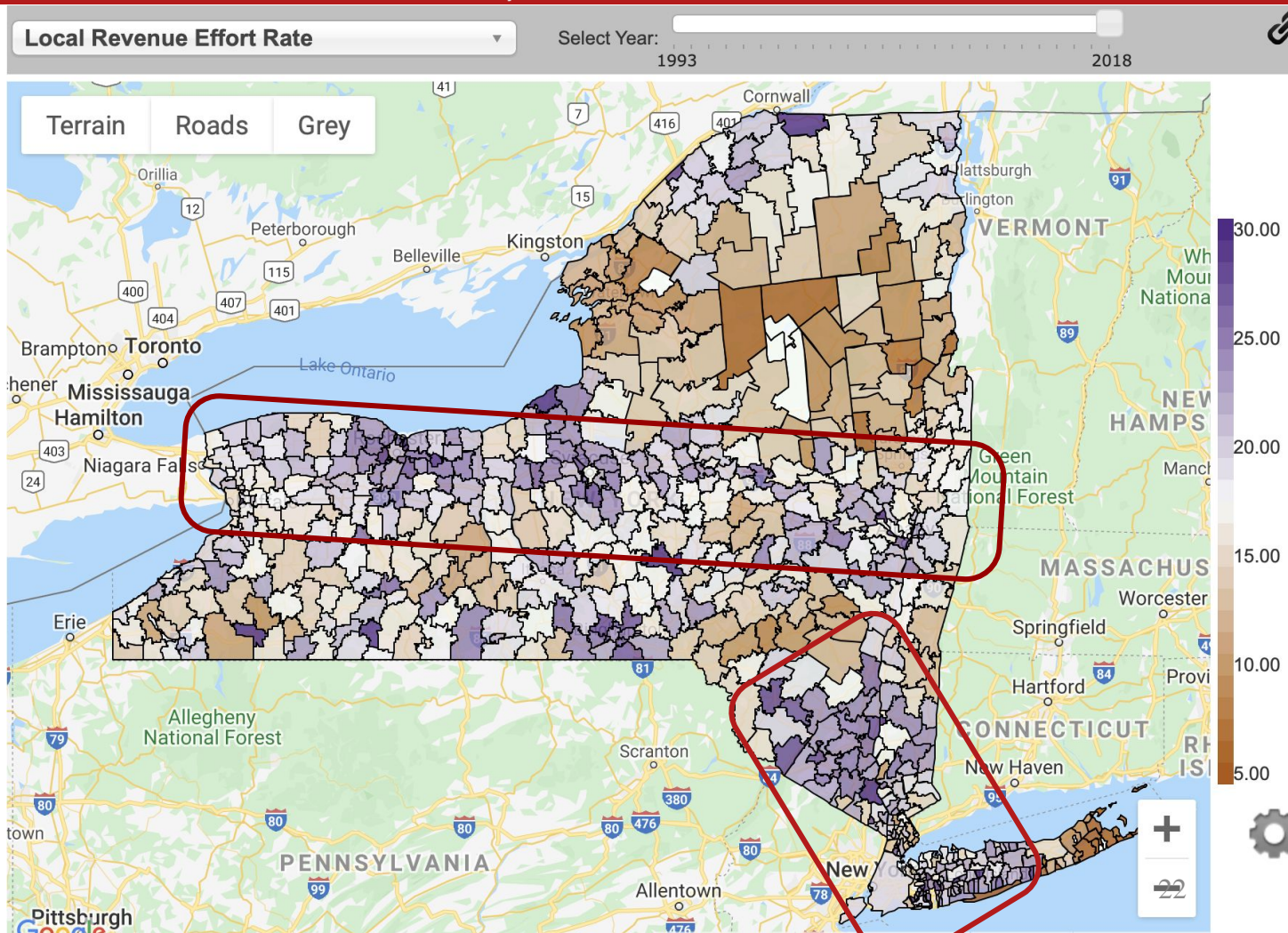
NYS School Tax Rates



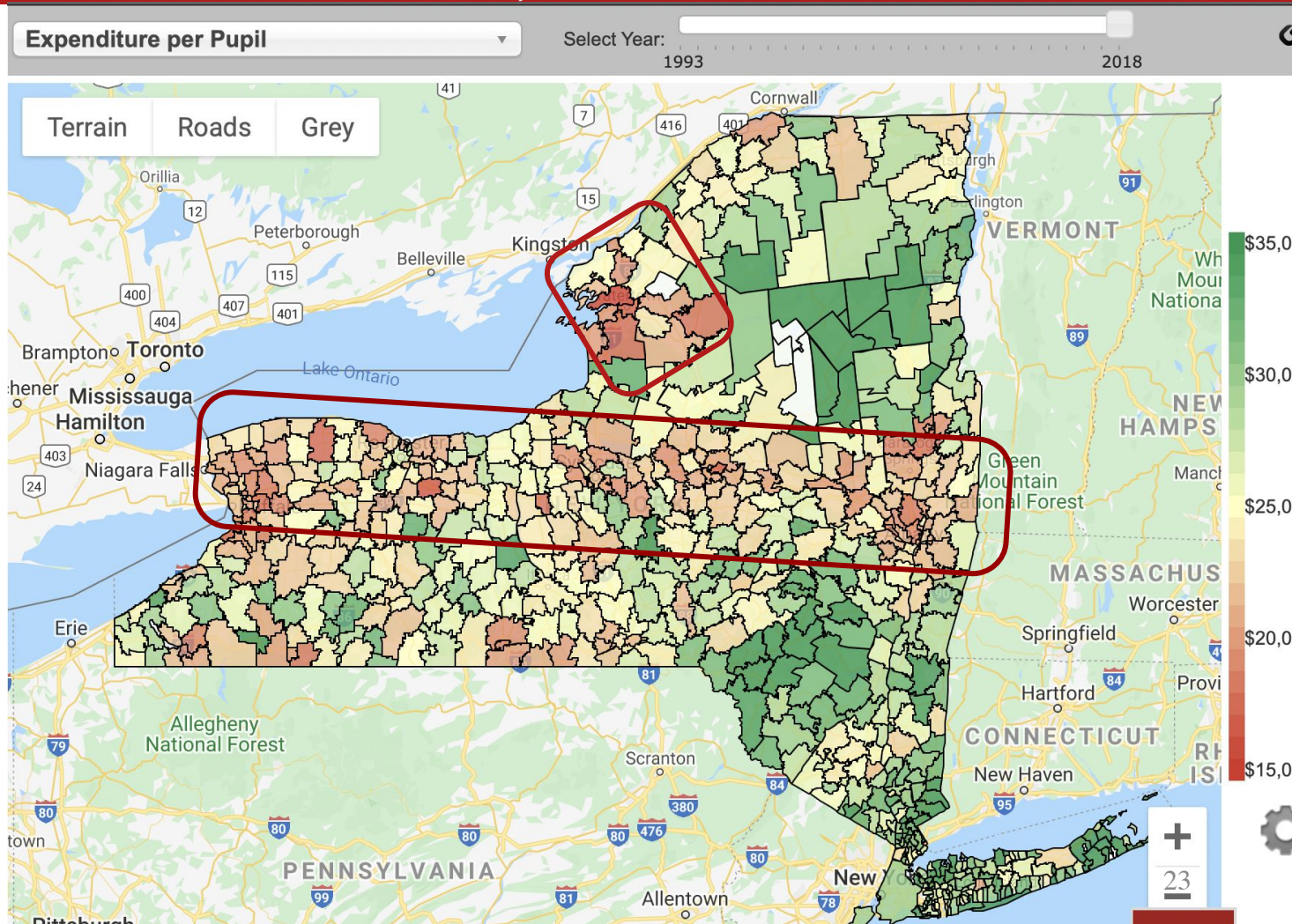
NYS Per-Pupil Dollars



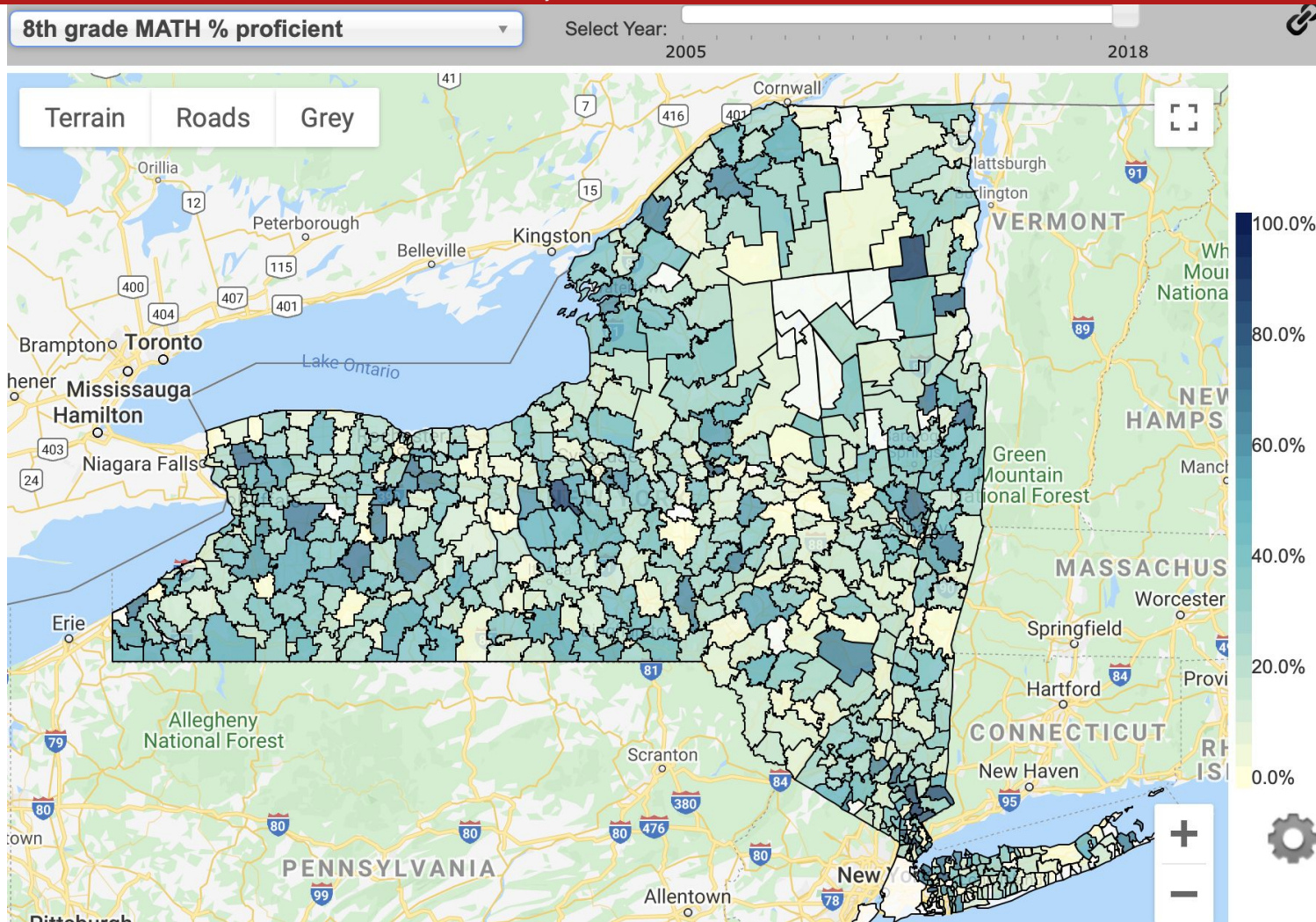
High Tax


Local Revenue Effort Rate
Select Year:
1993
2018
Terrain
Roads
Grey
Cornwall
Orillia
Peterborough
Belleville
Kingston
VERMONT
Brampton
Toronto
Lake Ontario
Mississauga
Hamilton
Niagara Falls
Erie
Allegheny National Forest
Scranton
PENNSYLVANIA
Allentown
Pittsburgh
Springfield
Worcester
Hartford
CONNECTICUT
New Haven
30.00
25.00
20.00
15.00
10.00
5.00

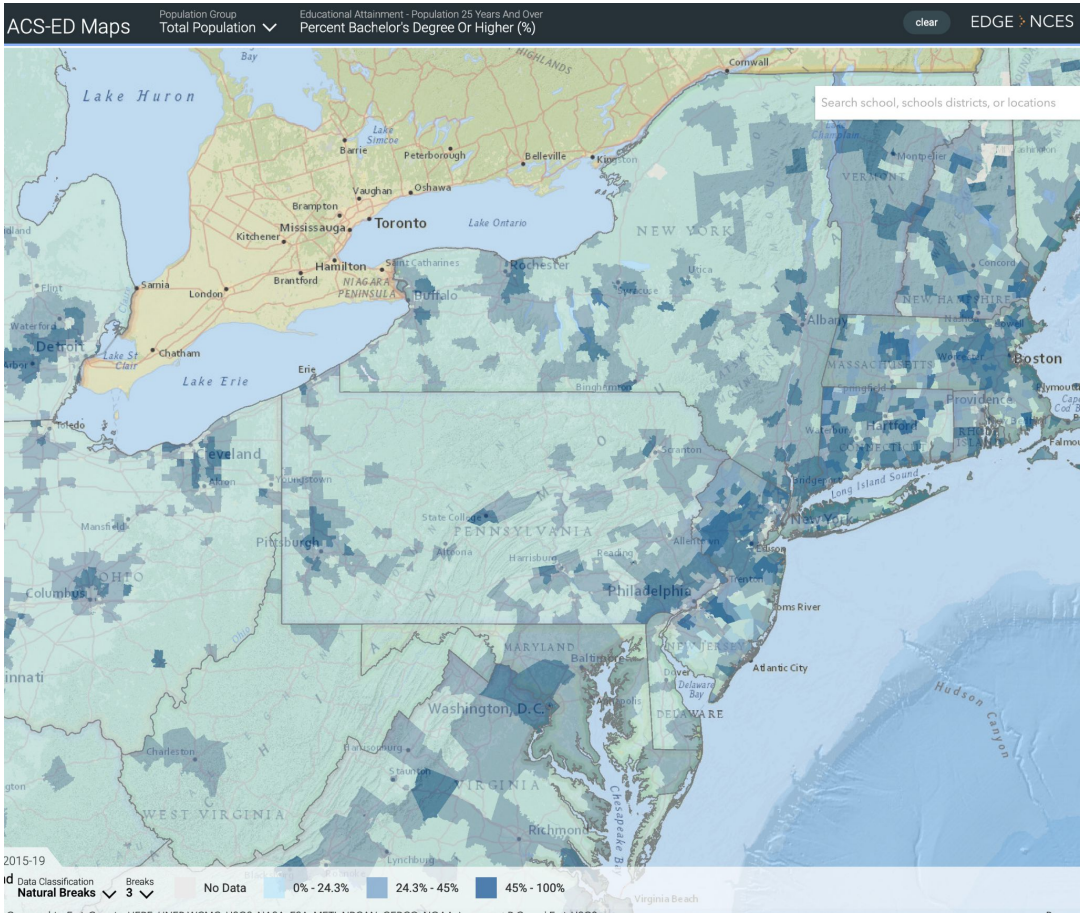
‘Low’ Spend


Expenditure per Pupil
Select Year:
1993
2018
Terrain
Roads
Grey
Cornwall
Orillia
Peterborough
Belleville
Kingston
VERMONT
Brampton
Toronto
Lake Ontario
Mississauga
Hamilton
Niagara Falls
Erie
Allegheny National Forest
Scranton
PENNSYLVANIA
Allentown
New Haven
Springfield
Hartford
CONNECTICUT
Worcester
$35,0
$30,0
$25,0
$20,0
$15,0

Pattern in 8th Math?



% Bachelor's Degree or Higher across the US

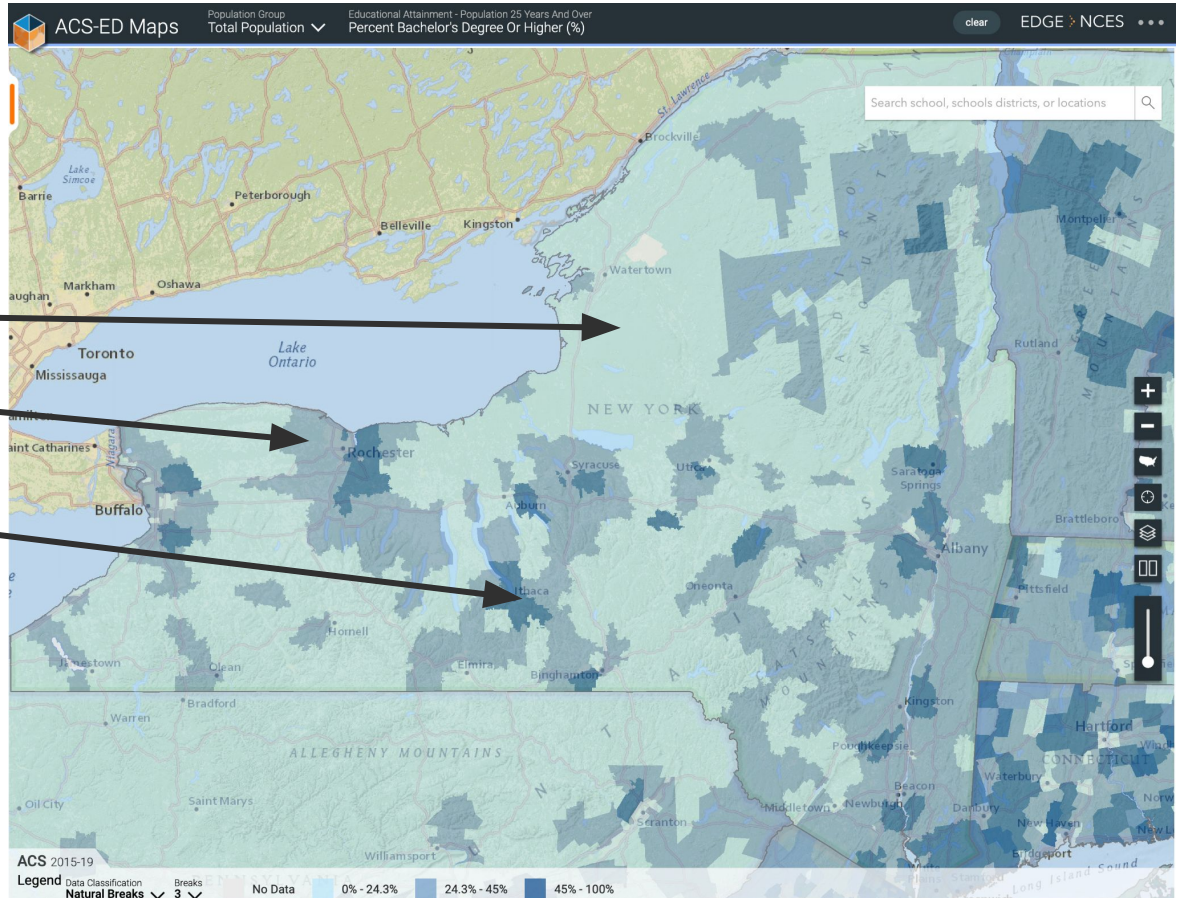


% Bachelor's Degree or Higher in Upstate NY

< 25%

25-48%

> 48%



NYS Rural School Districts

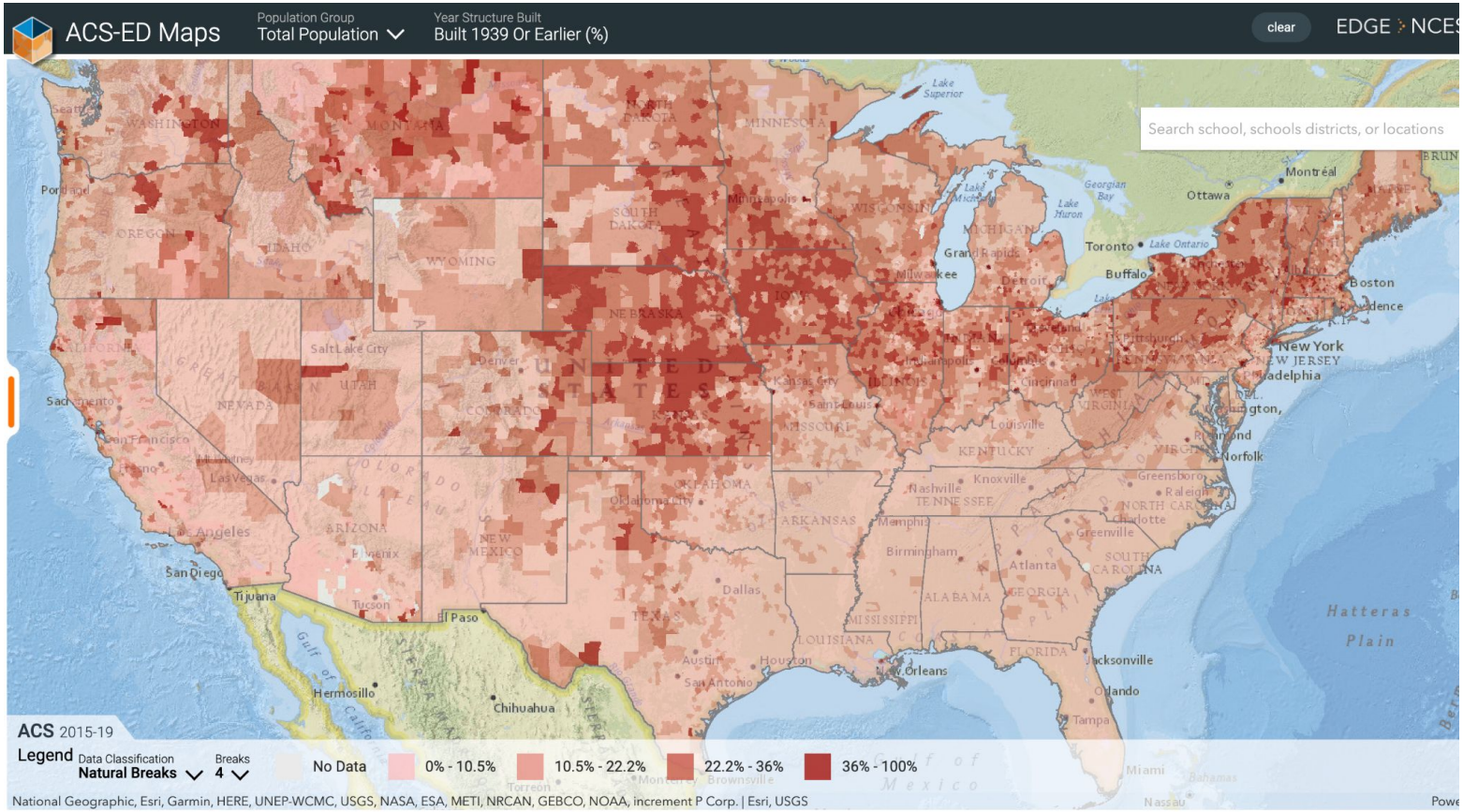
Takeaways:

- Variety of rural districts - not all are created equal
- Spending v Tax Rate assumptions
- Poor rural districts perform at state and national avg

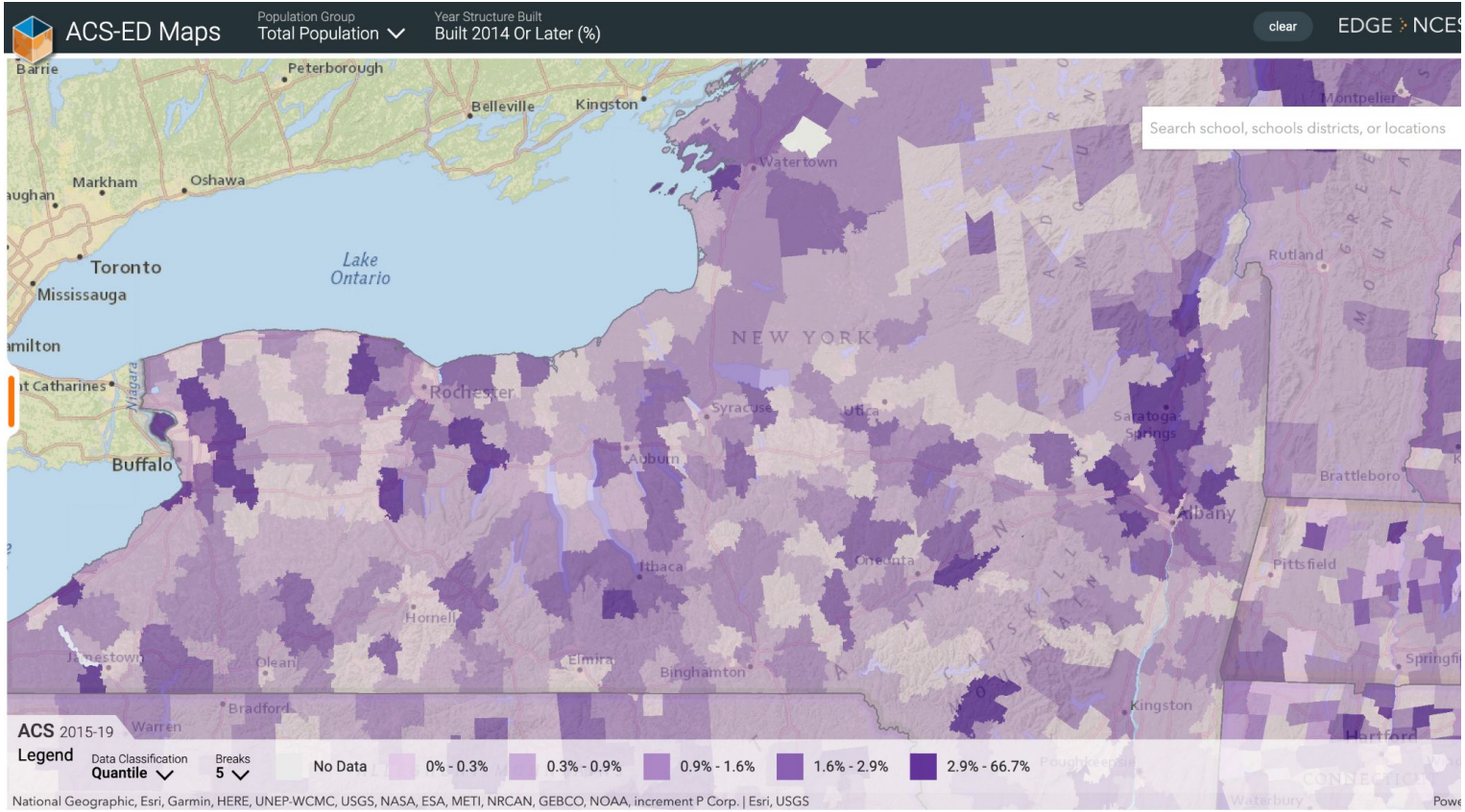
Housing

Lots of Old, Little New, Environment & Vacants

Old Housing across the US (pre-1939)



NYS New Housing (post-2014)



Building Permits (Unit)

Capital Region

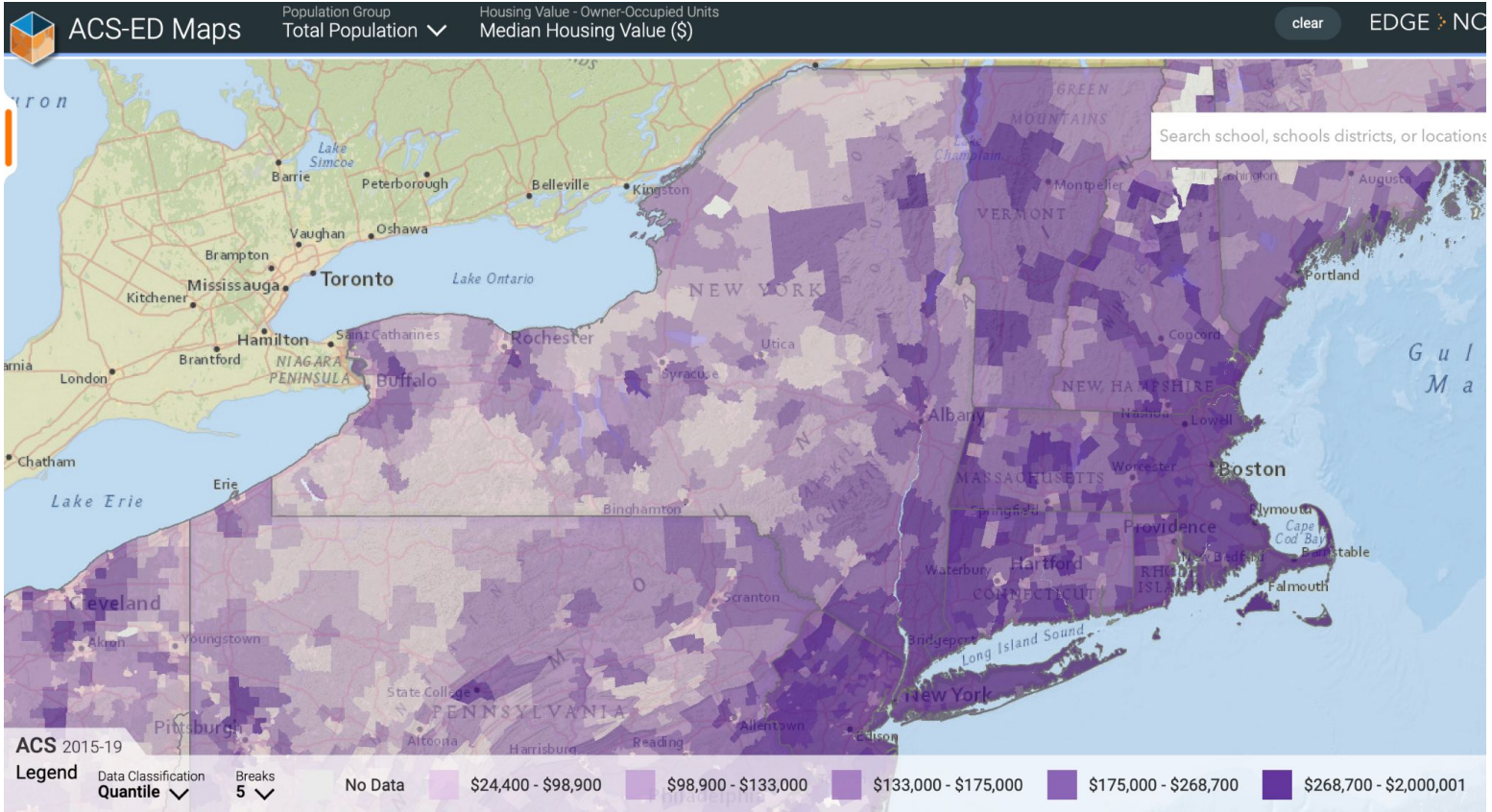
	2014	2015	2016	2017	2018	
Albany	775	1,097	740	761	679	
Columbia	97	209	145	98	97	
Greene	100	97	87	83	65	
Rensselaer	241	254	334	175	242	
Saratoga	969	1,786	1,278	1,122	1,097	
Schenectady	228	464	473	260	183	
Warren	278	301	276	174	137	
Washington	90	80	83	90	90	

North Country

	2014	2015	2016	2017	2018	
Clinton	140	145	134	164	137	
Essex	94	90	100	107	98	
Franklin	57	58	72	107	117	
Hamilton	42	29	53	35	26	
Jefferson	519	147	105	141	138	
Lewis	79	110	99	59	60	
St. Lawrence	172	288	205	128	149	

State: 37,330

Median Housing Value across the Northeast



Median Housing Values

Mohawk Valley

	2015	2016	2017	2018	2019	
Fulton	$108,200	$108,300	$107,600	$108,700	$109,600	
Herkimer	$96,100	$97,300	$95,800	$97,200	$100,000	
Montgomery	$101,600	$99,100	$99,900	$101,000	$105,400	
Oneida	$114,000	$117,600	$120,000	$123,100	$127,700	
Otsego	$142,800	$140,600	$141,900	$144,000	$146,400	
Schoharie	$147,000	$143,700	$143,300	$143,500	$144,800	

Southern Tier

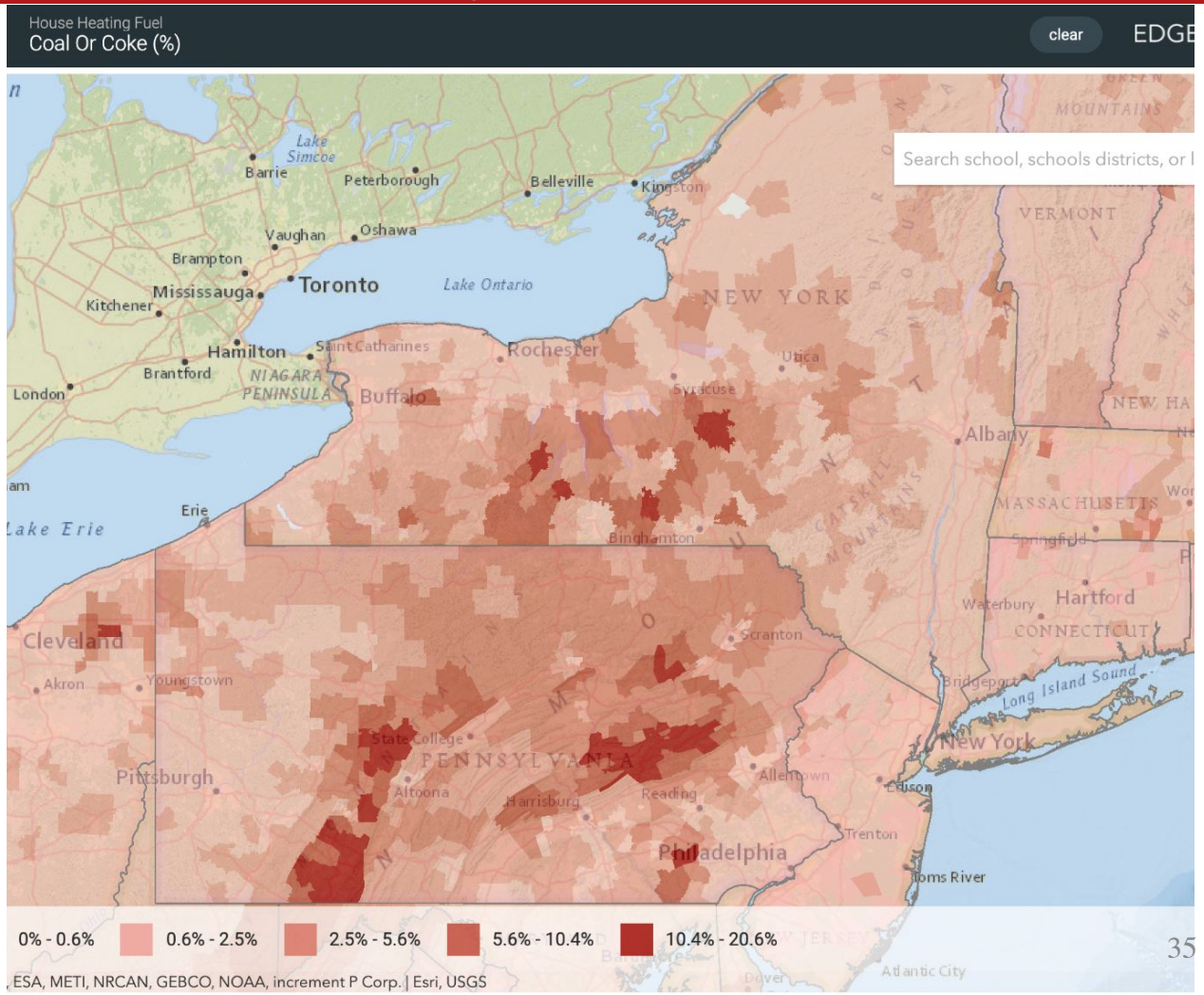
	2015	2016	2017	2018	2019	
Broome	$109,900	$112,300	$113,100	$115,600	$117,000	
Chemung	$100,400	$101,800	$105,500	$106,500	$105,800	
Chenango	$91,700	$93,400	$95,900	$97,000	$98,400	
Delaware	$132,400	$135,200	$138,000	$136,300	$139,300	
Schuyler	$108,500	$111,300	$114,700	$121,300	$133,100	
Steuben	$91,000	$94,300	$95,300	$98,200	$99,600	
Tioga	$112,600	$112,300	$113,000	$117,100	$119,700	
Tompkins	$176,500	$182,600	$190,100	$199,400	$204,600	

State Average: $313,700

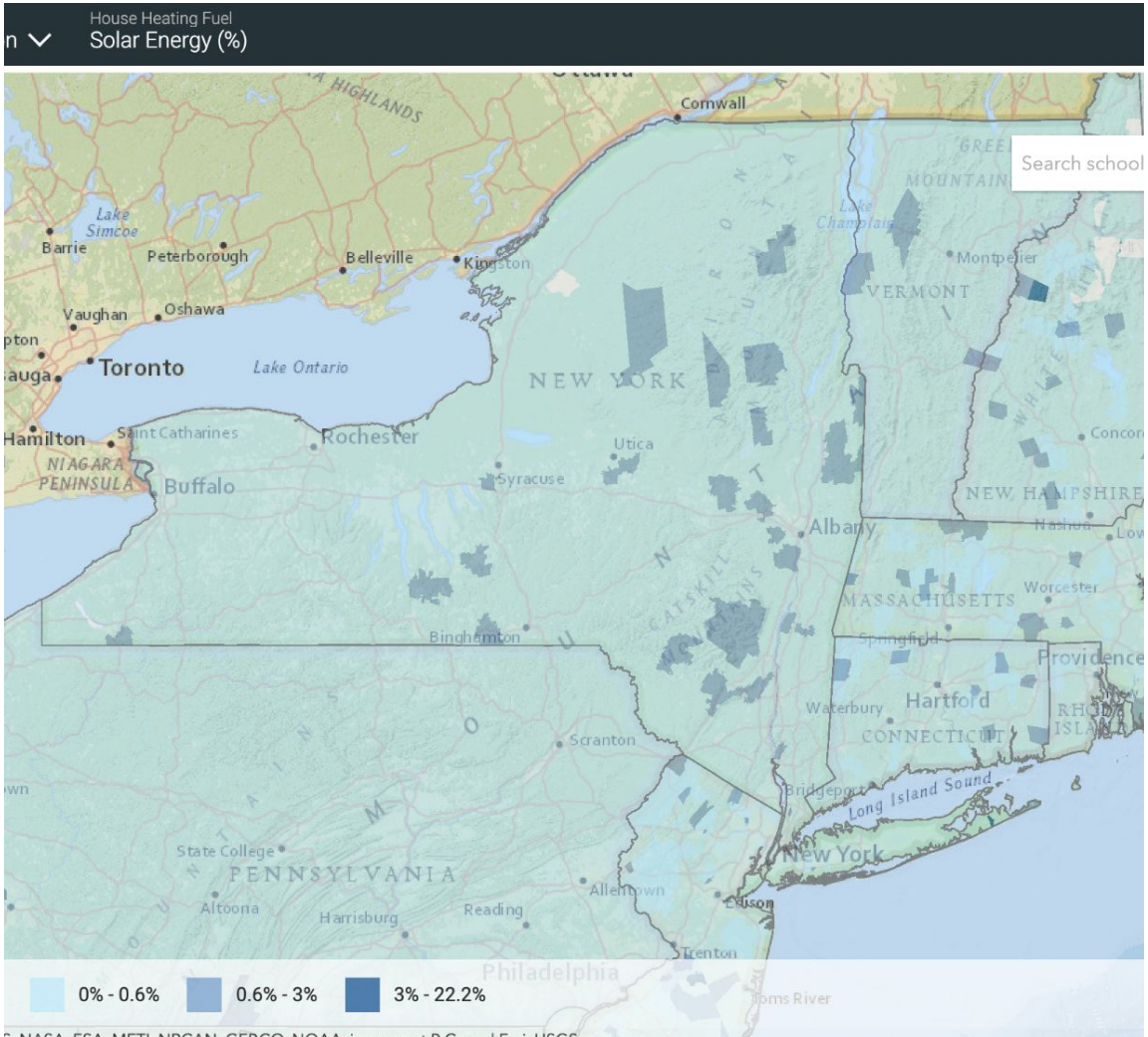
% Occupied Housing (Lowest 5 Counties)

	Total	Occupied	Vacant	% Occupied
Hamilton County	7,826	2,478	5,348	31.66%
Sullivan County	49,125	30,183	18,942	61.44%
Essex County	25,123	16,088	9,035	64.04%
Delaware County	29,953	19,193	10,760	64.08%
Greene County	28,926	20,073	8,853	69.39%

NYS Coal Heat



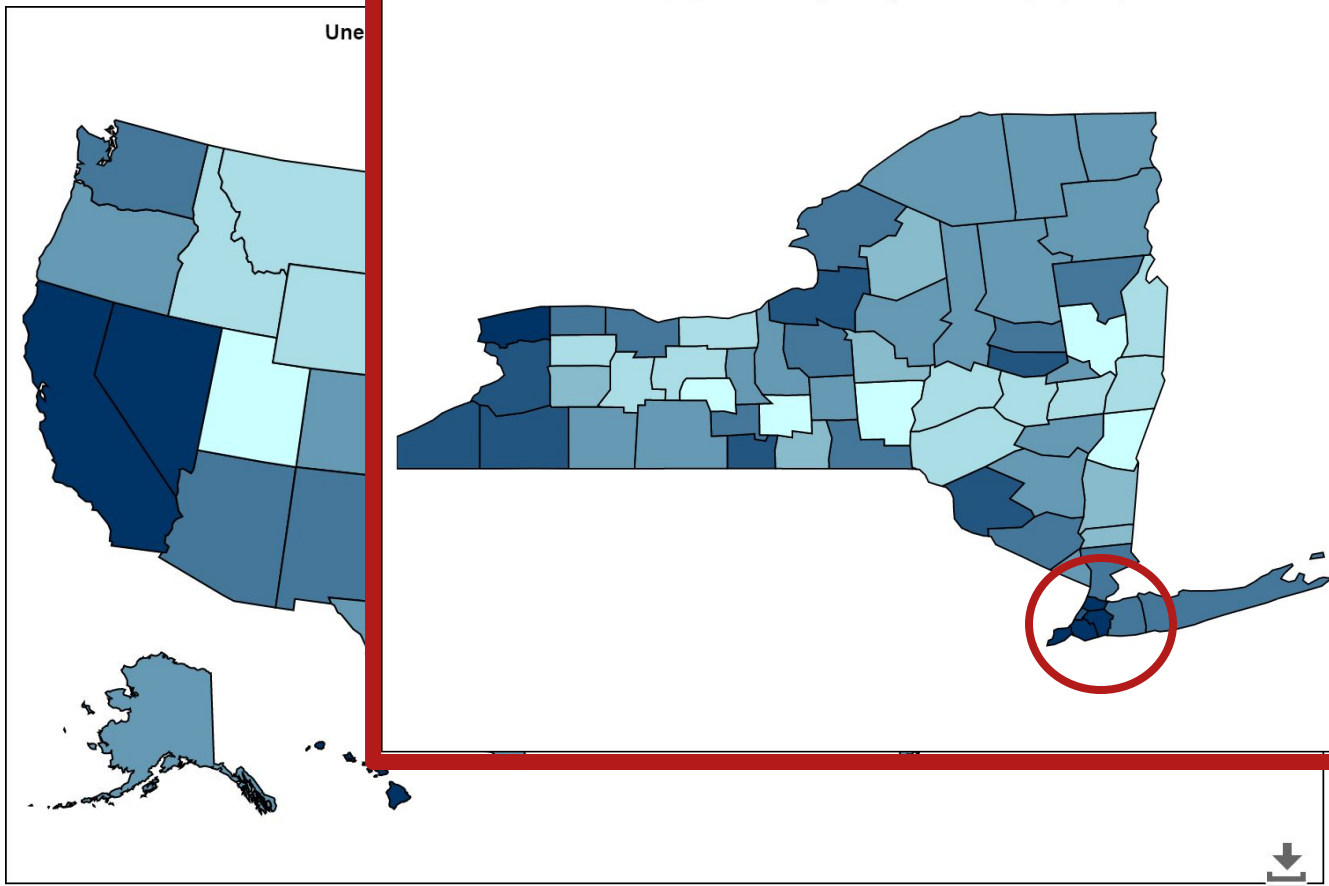
NYS Solar Heat



Employment

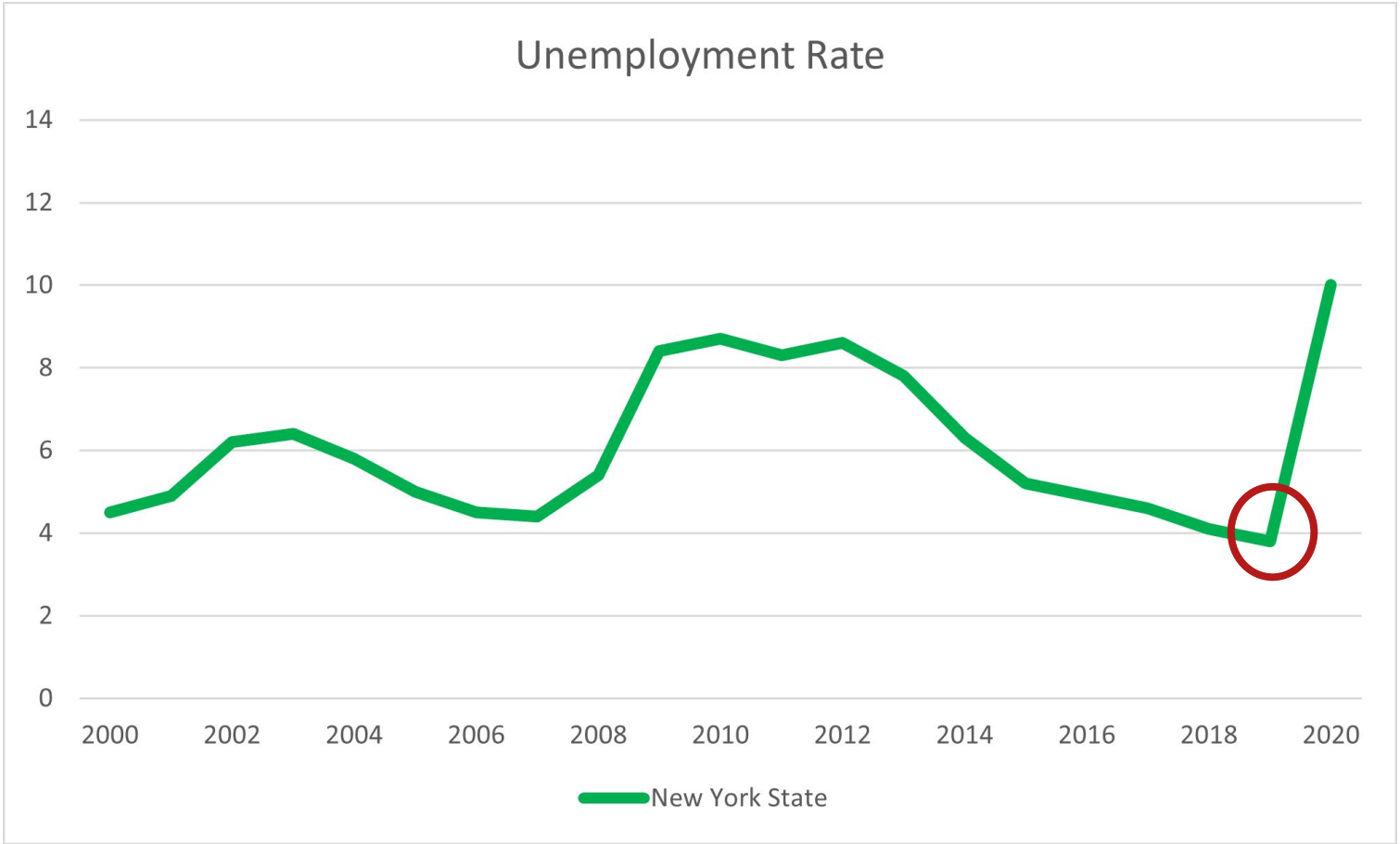
Unemployment in rural upstate: following a similar trend to the rest of the state, but with a higher rate

Unemployment across the US: 2020



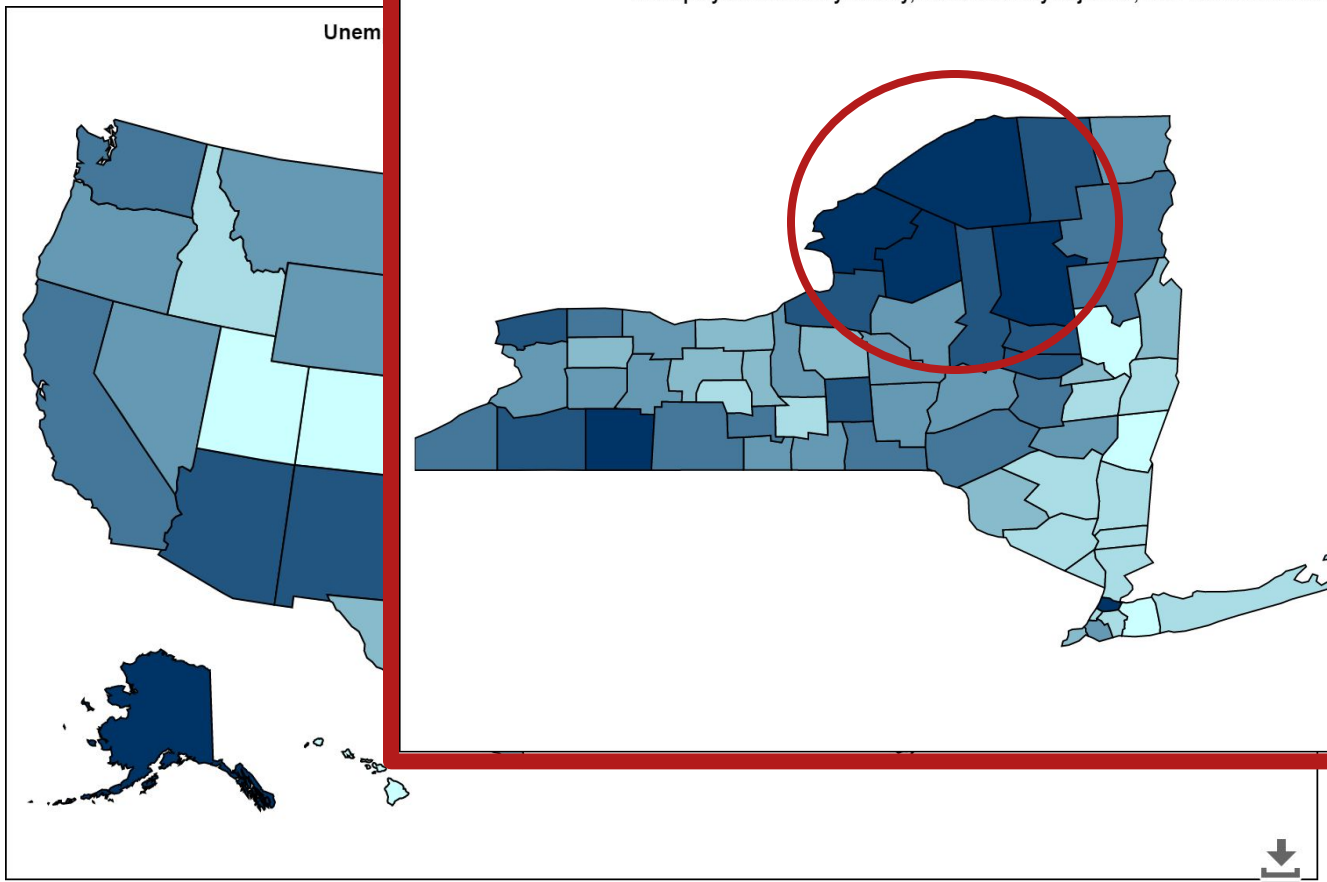
Source: US Bureau of Labor Statistics

NYS Unemployment: 2000-2020



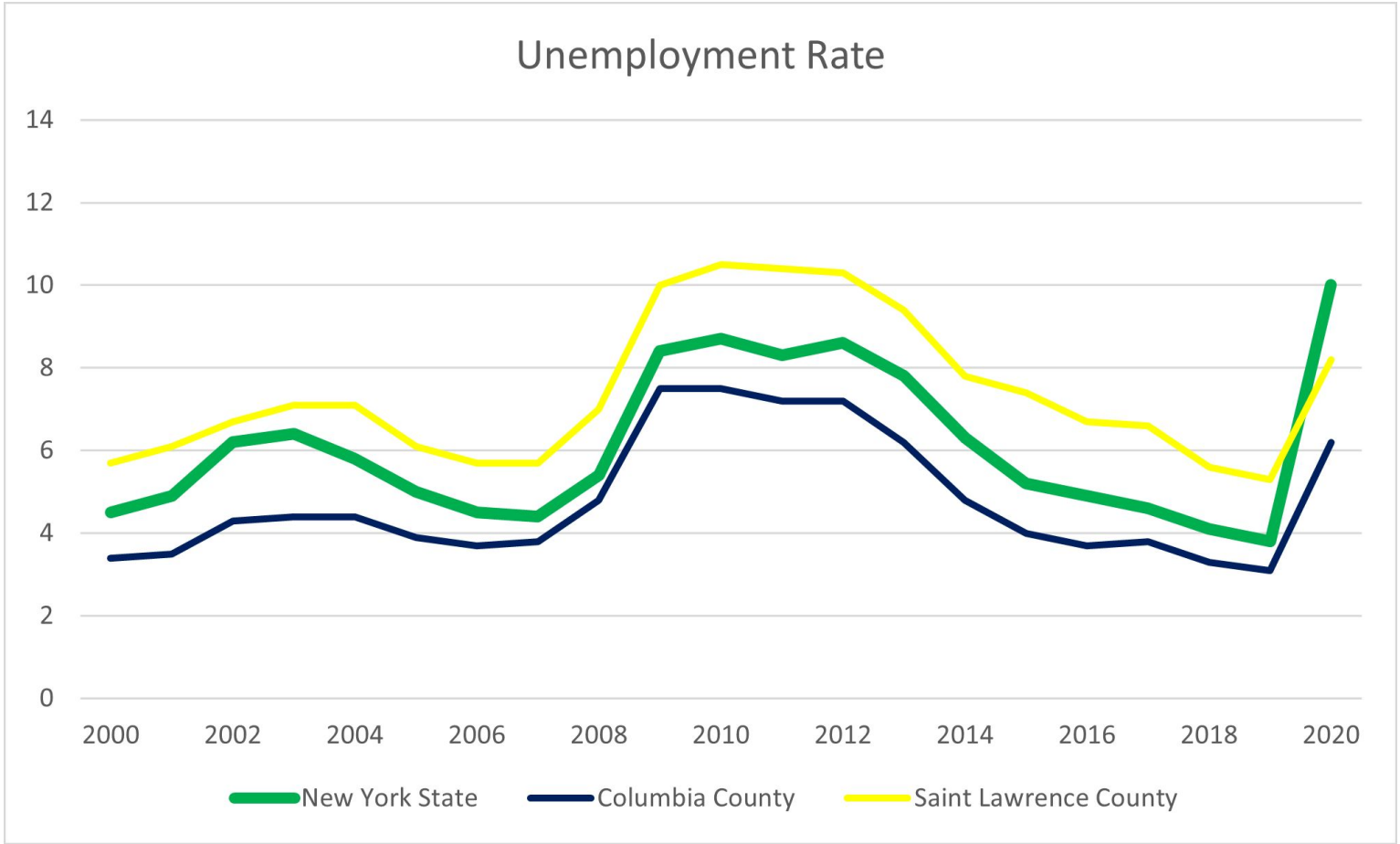
Source: Cornell Program on Applied Economics

Unemployment across the US: 2019



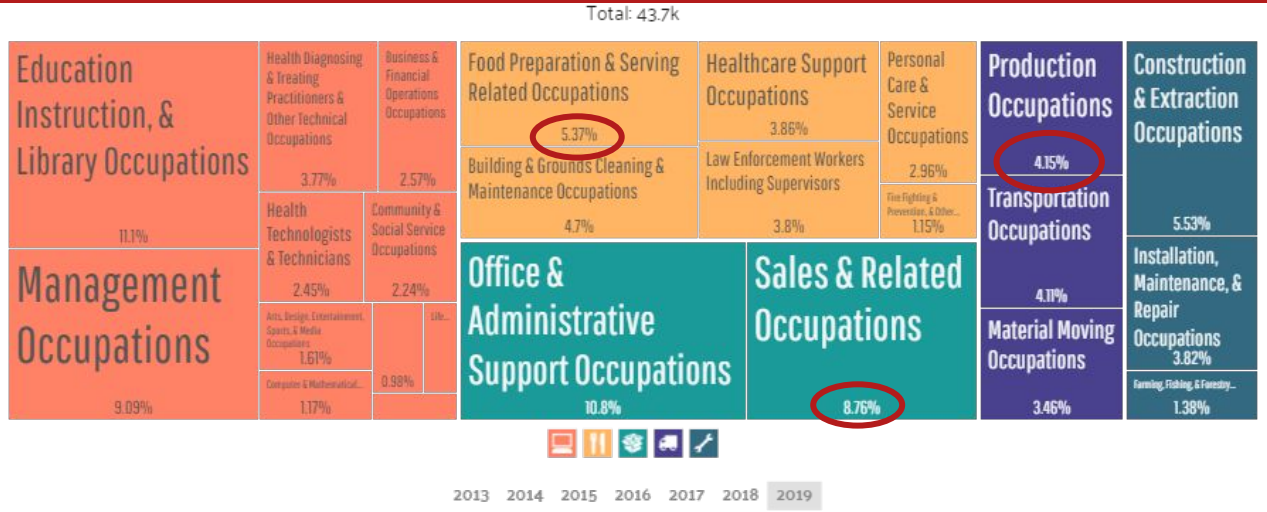
Source: US Bureau of Labor Statistics

Unemployment in NY Counties

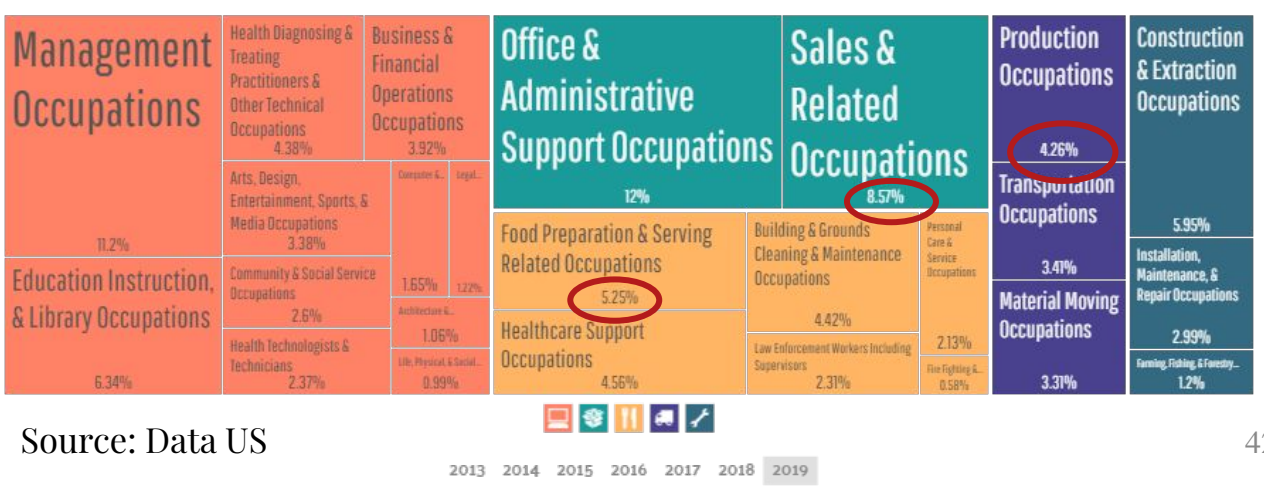


Source: Cornell Program on Applied Economics

Saint Lawrence County Occupation Makeup:



Columbia County Occupation Makeup:



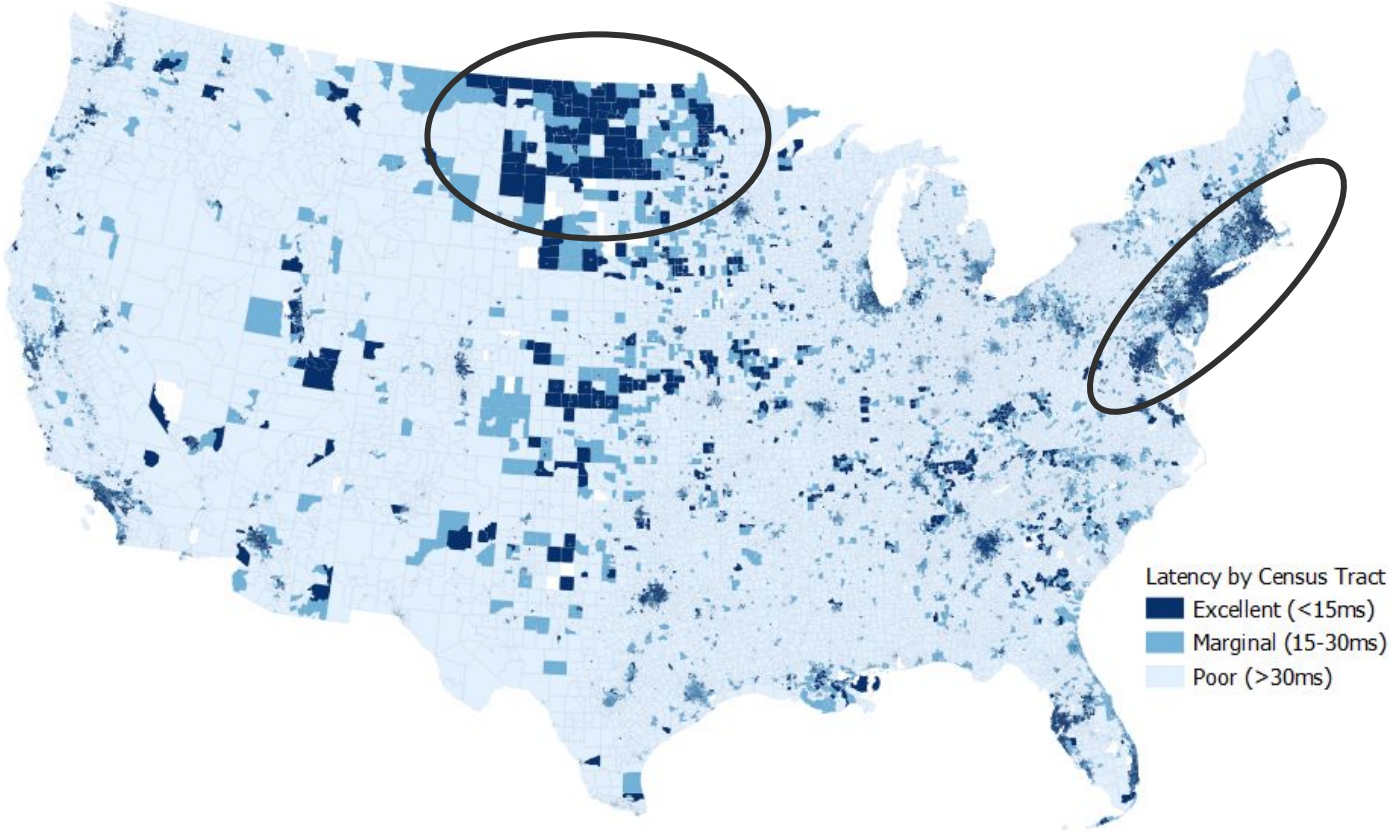
Source: Data US

Internet Access

Availability & Speed Aren't Enough

Solutions Are Present

Stable Internet across the US



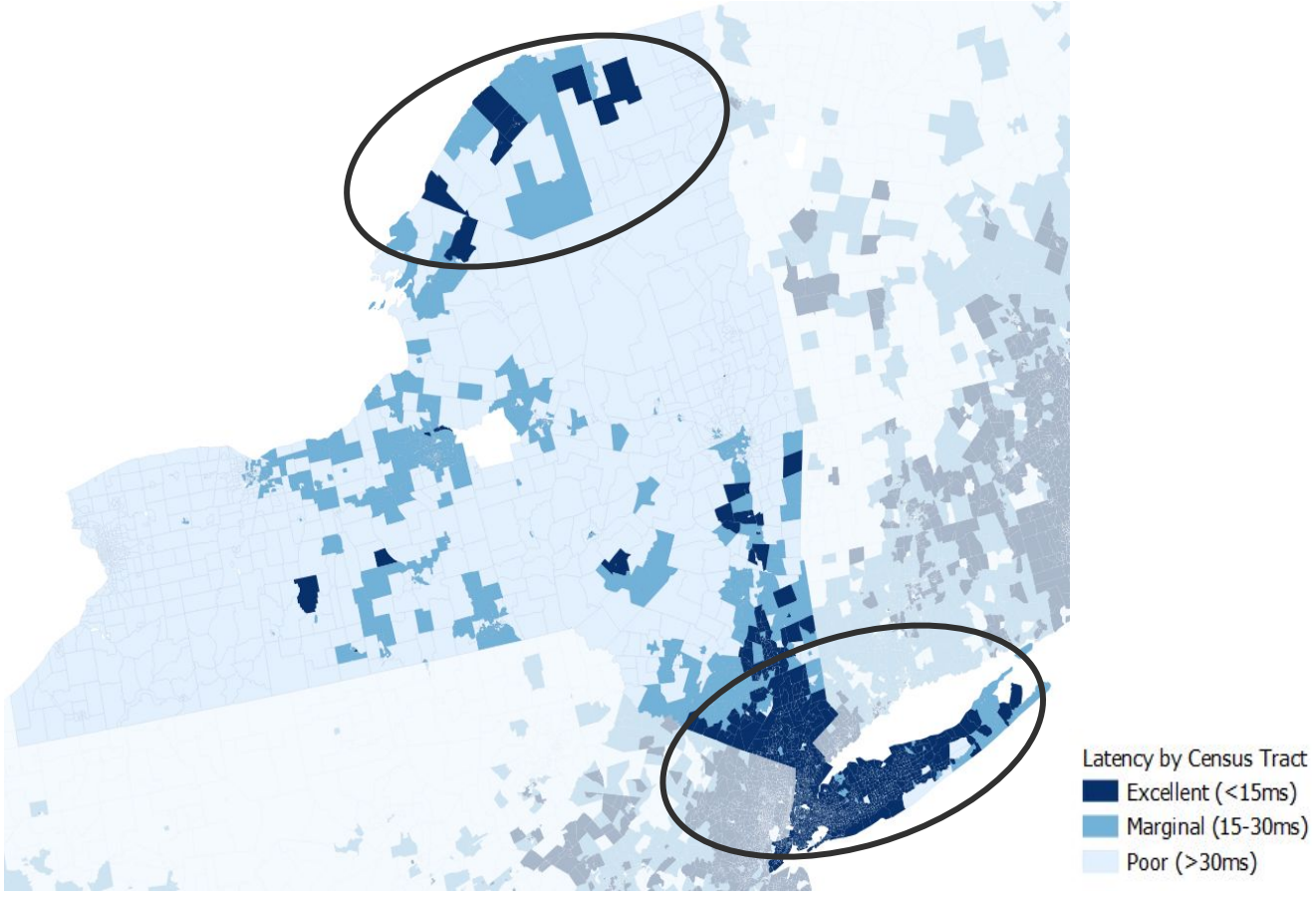
Access in NYS

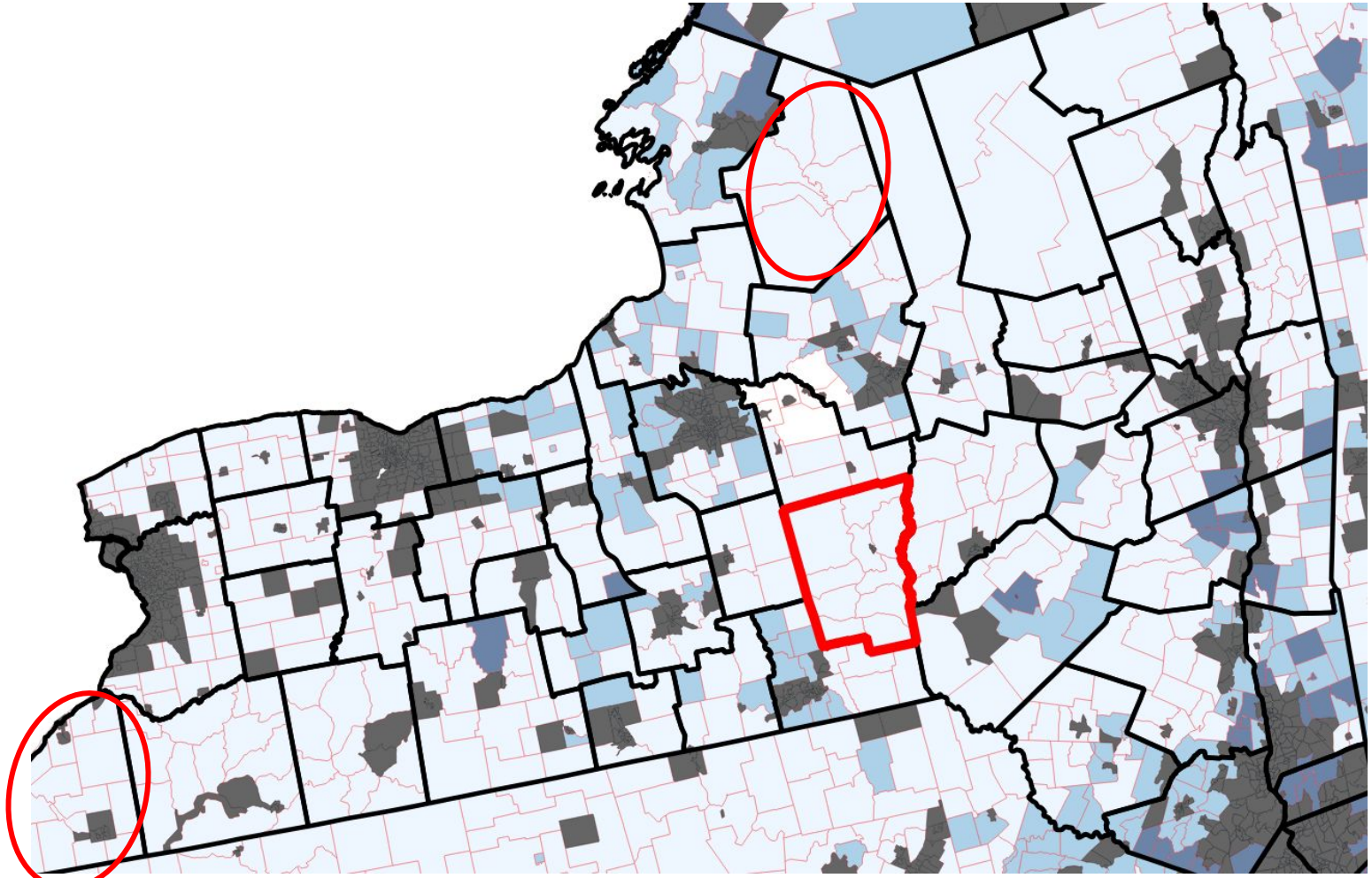
Broadband Access Rates by New York State Region, 2019

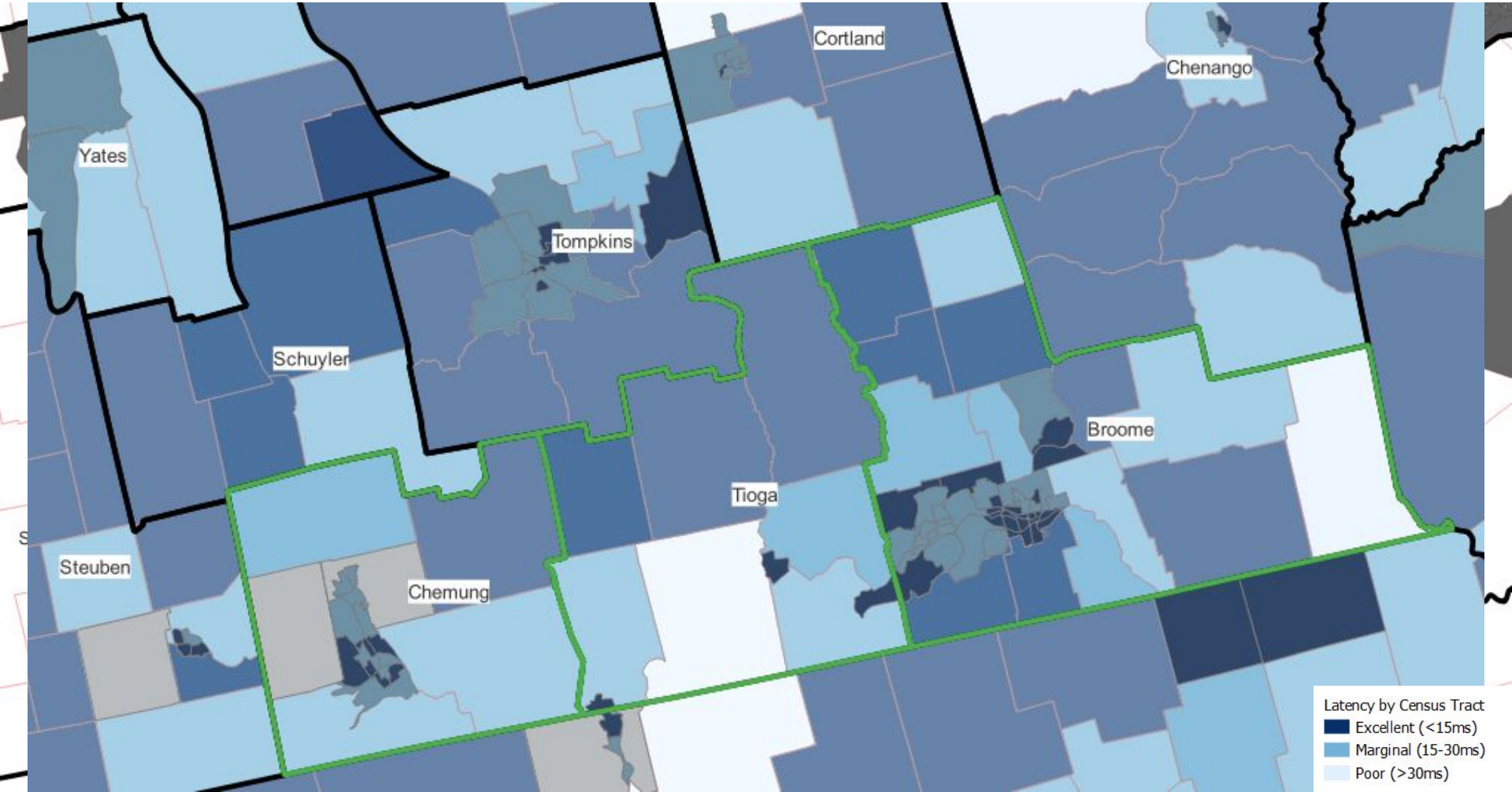
NYS Region	Total Households	Households Without Broadband Access	Share of Households Without Broadband Access
North Country	162,690	31,387	19.3%
Mohawk Valley	194,408	35,317	18.2%
Central NY	305,678	52,369	17.1%
Southern Tier	251,445	41,790	16.6%
Western NY	594,617	96,826	16.3%
New York City	3,211,033	513,812	16.0%
Finger Lakes	491,662	72,893	14.8%
Capital Region	445,346	60,586	13.6%
Mid-Hudson	831,316	103,056	12.4%
Long Island	949,542	87,730	9.2%

Source: Office of the State Controller, NY

Reliability in NYS



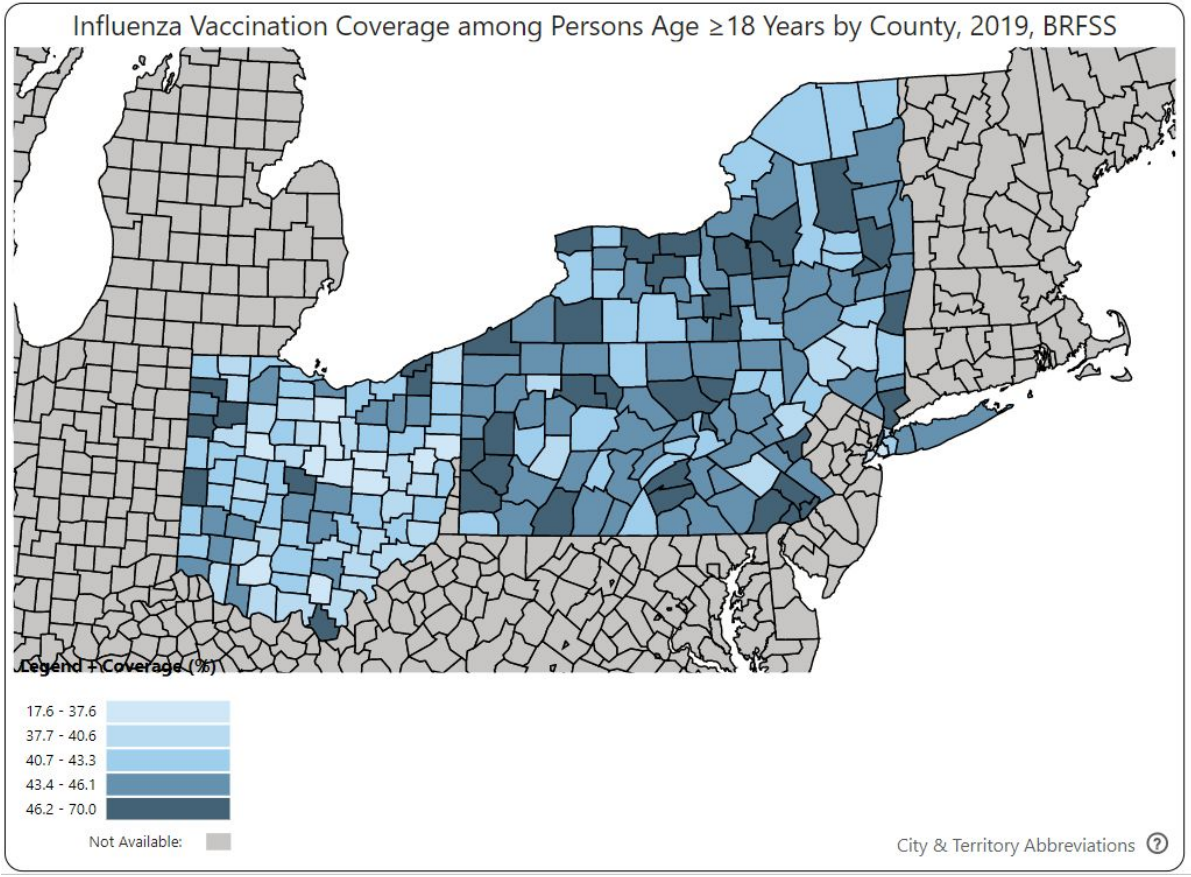



Cortland
Chenango
Yates
Tompkins
Schuyler
Broome
Tioga
Steuben
Chemung
Latency by Census Tract
Excellent (<15ms)
Marginal (15-30ms)
Poor (>30ms)

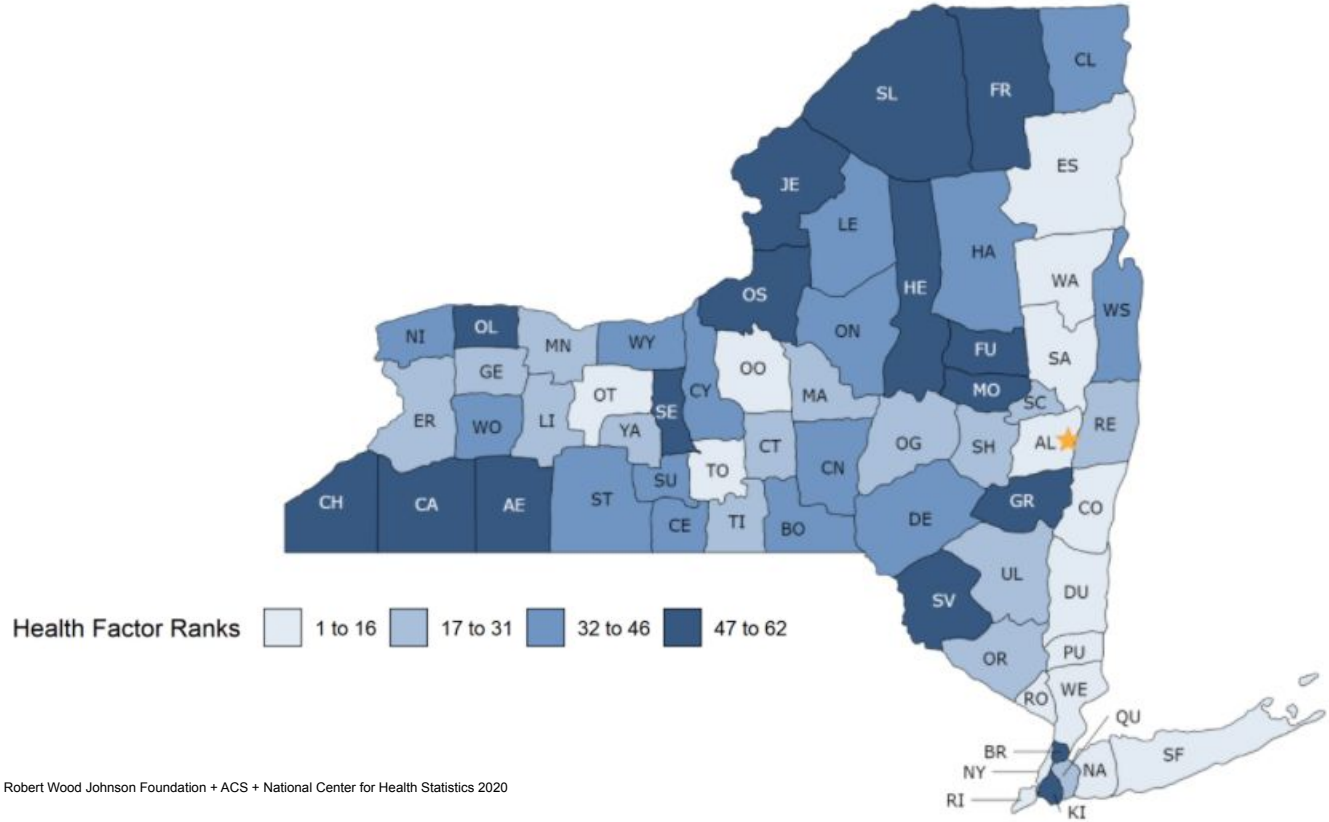
Public Health

Community Partnerships Increase Opportunity

Flu Vaccination Coverage in North East

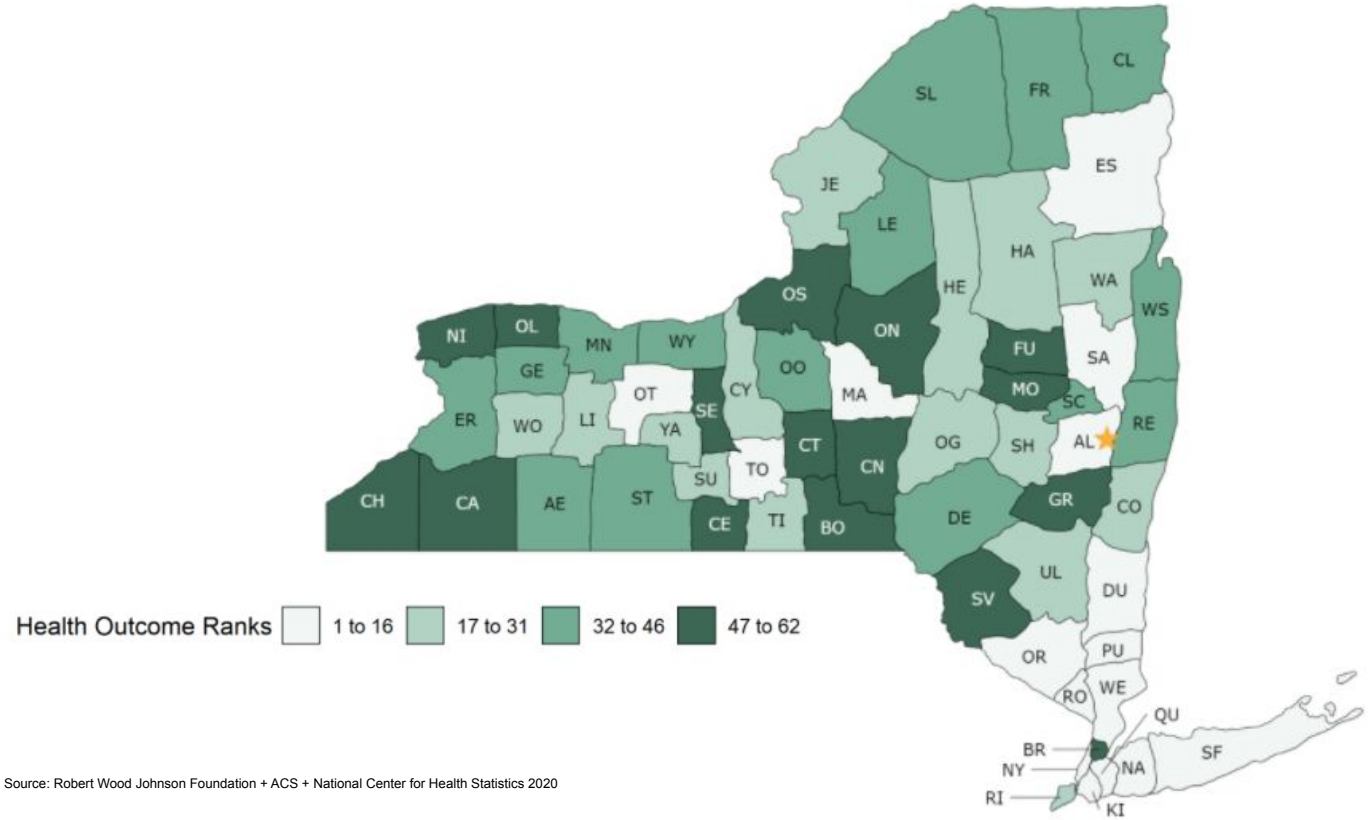


Health Factor Ranks across NYS



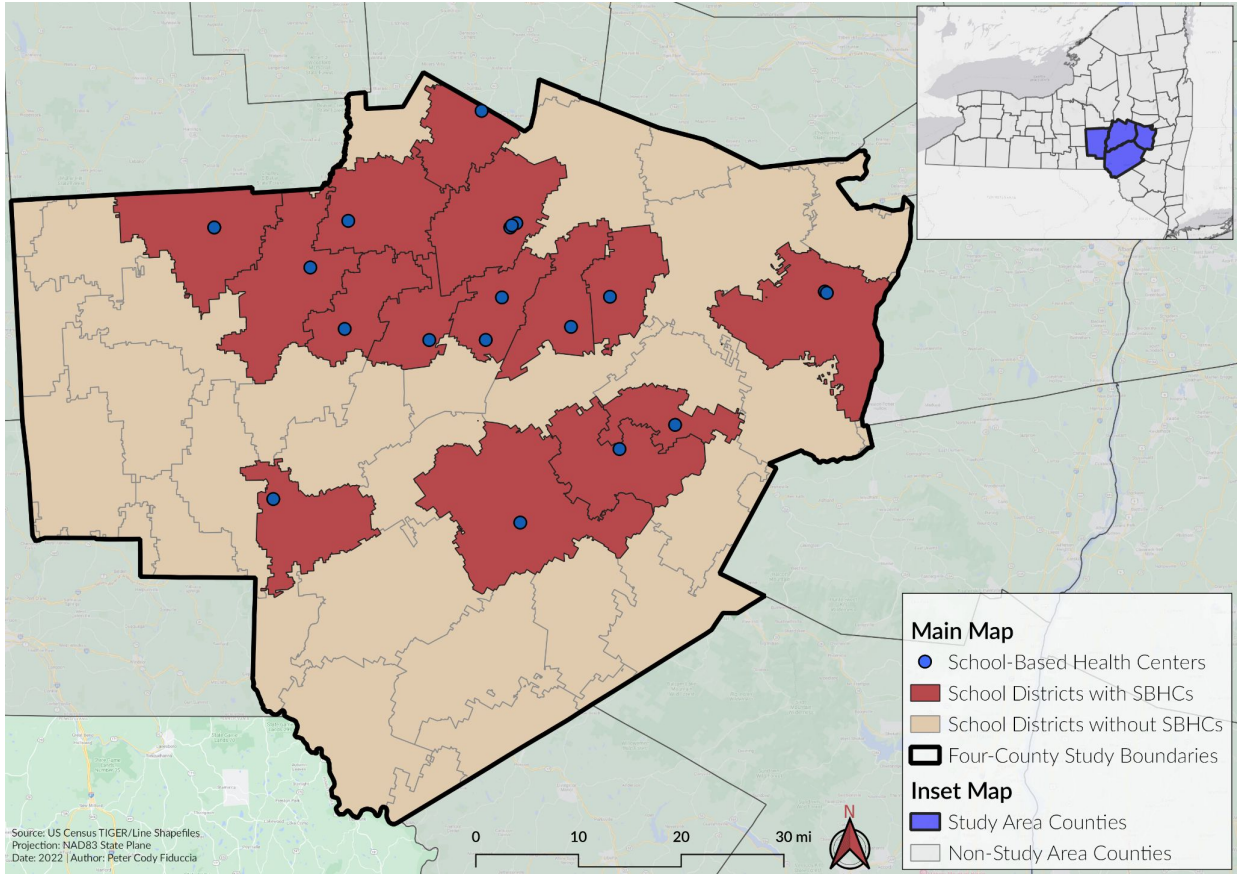
Source: Robert Wood Johnson Foundation + ACS + National Center for Health Statistics 2020

Health Outcome Ranks across NYS



Source: Robert Wood Johnson Foundation + ACS + National Center for Health Statistics 2020

School-Based Health in NY Counties



Questions

Please reach out with any comments, questions

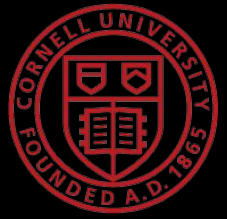
Prof. John W. Sipple

jsipple@cornell.edu

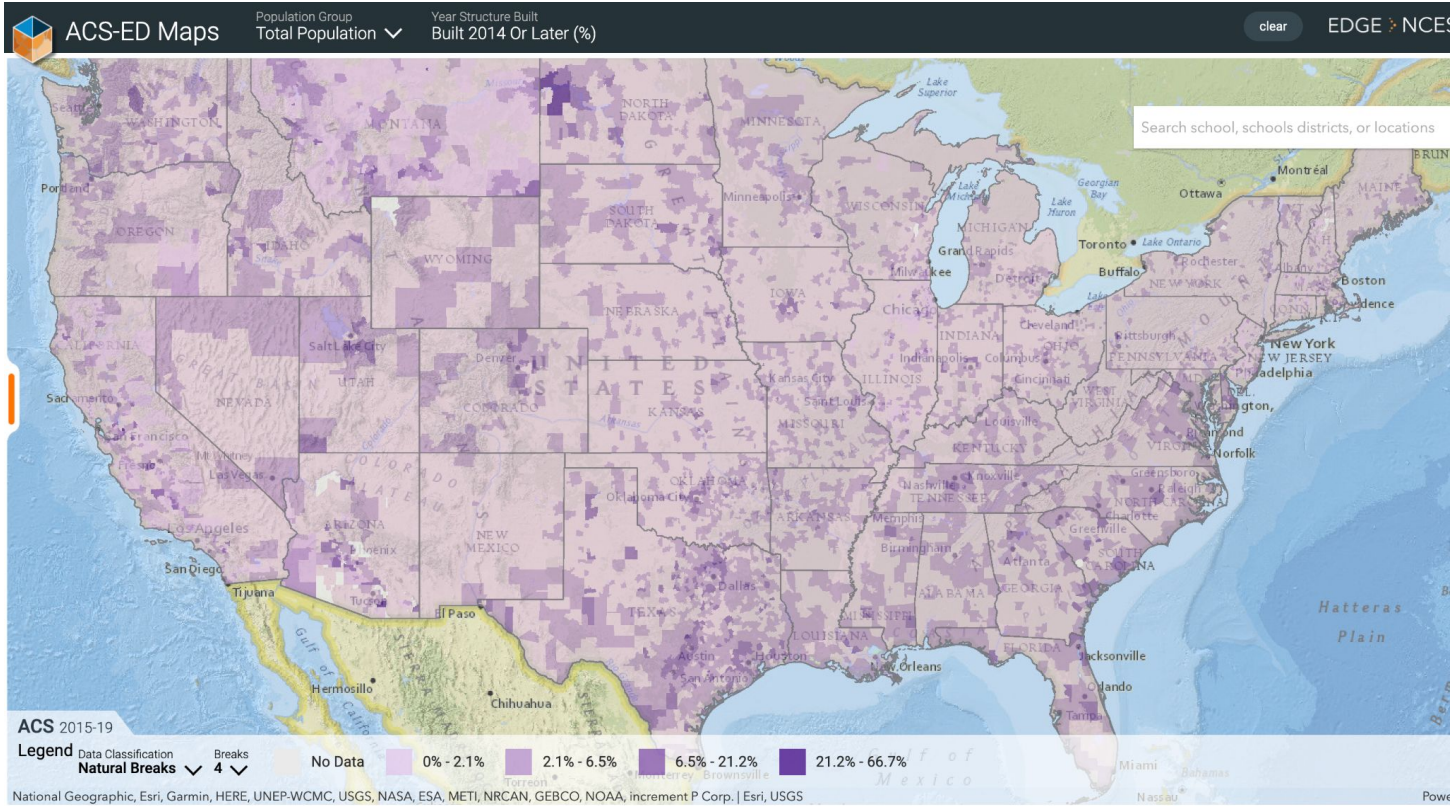
@jsipple

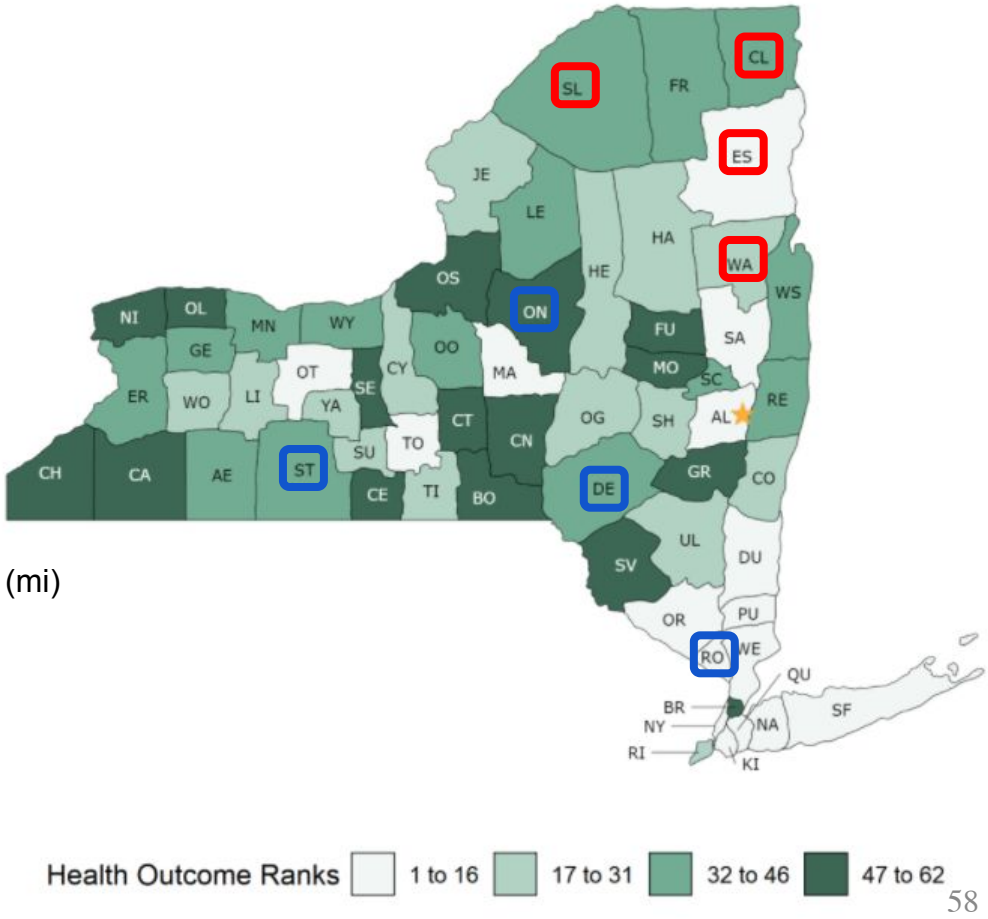
Sources

Cornell Program in Applied Demography: http://pad.human.cornell.edu
Cornell's Education Data Hub: http://NYEducationData.org
Population Reference Bureau: https://www.prb.org/
Stanford Univ. *Educational Opportunity Project*: https://edopportunity.org
USDOE NCES MapEd Project: https://nces.ed.gov/programs/maped/ACSMaps/
US Census Bureau: https://www.census.gov/data.html
US Bureau of Labor Statistics. https://data.bls.gov/lausmap/showMap.jsp
Data USA. https://datausa.io/
County Health Rankings. https://www.countyhealthrankings.org
CDC (Flu Vaccination Rates). https://www.cdc.gov/flu/
Office of the State Controller (Broadband Access). https://www.osc.state.ny.us

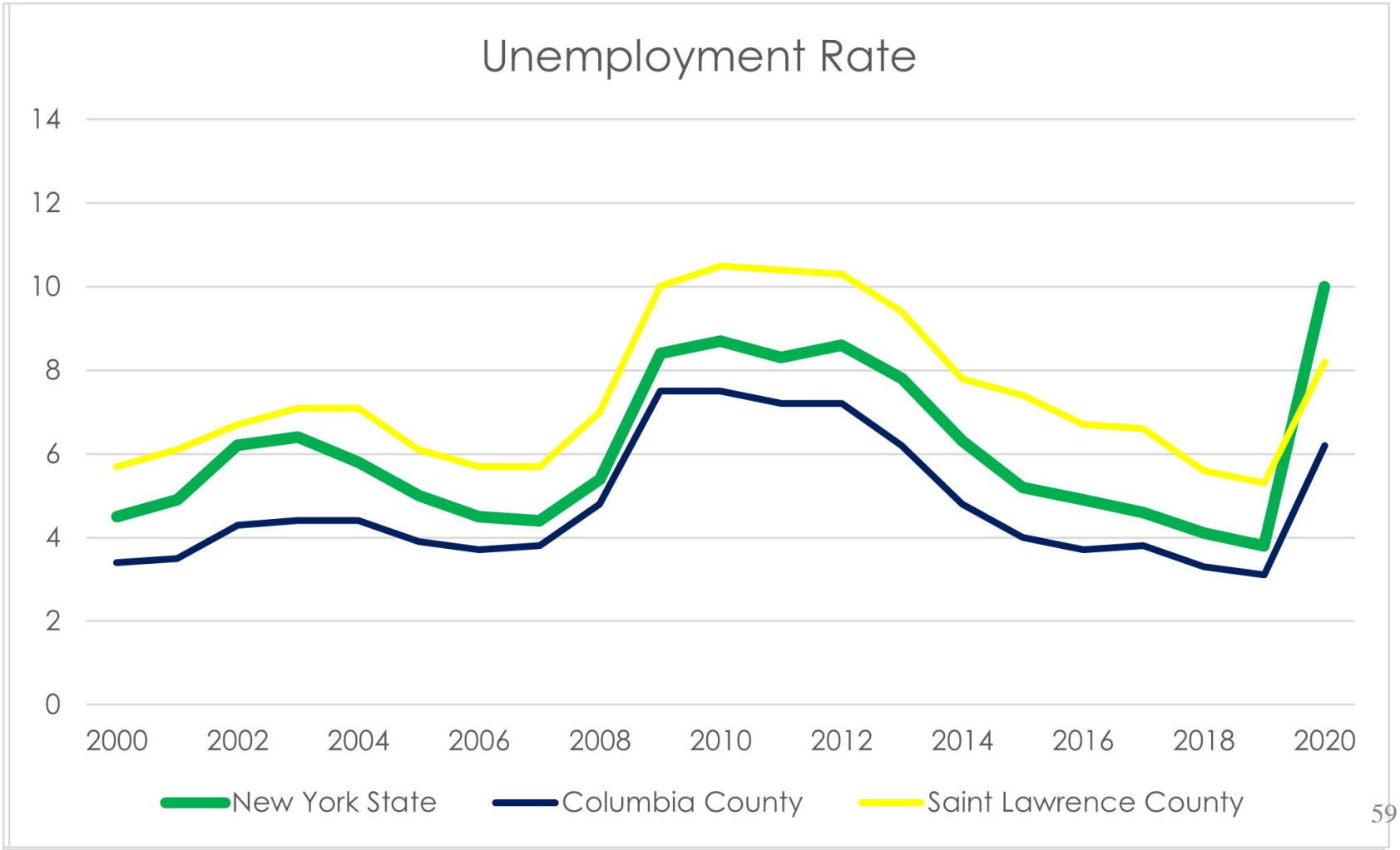

CORNELL UNIVERSITY
FOUNDED A.D. 1865

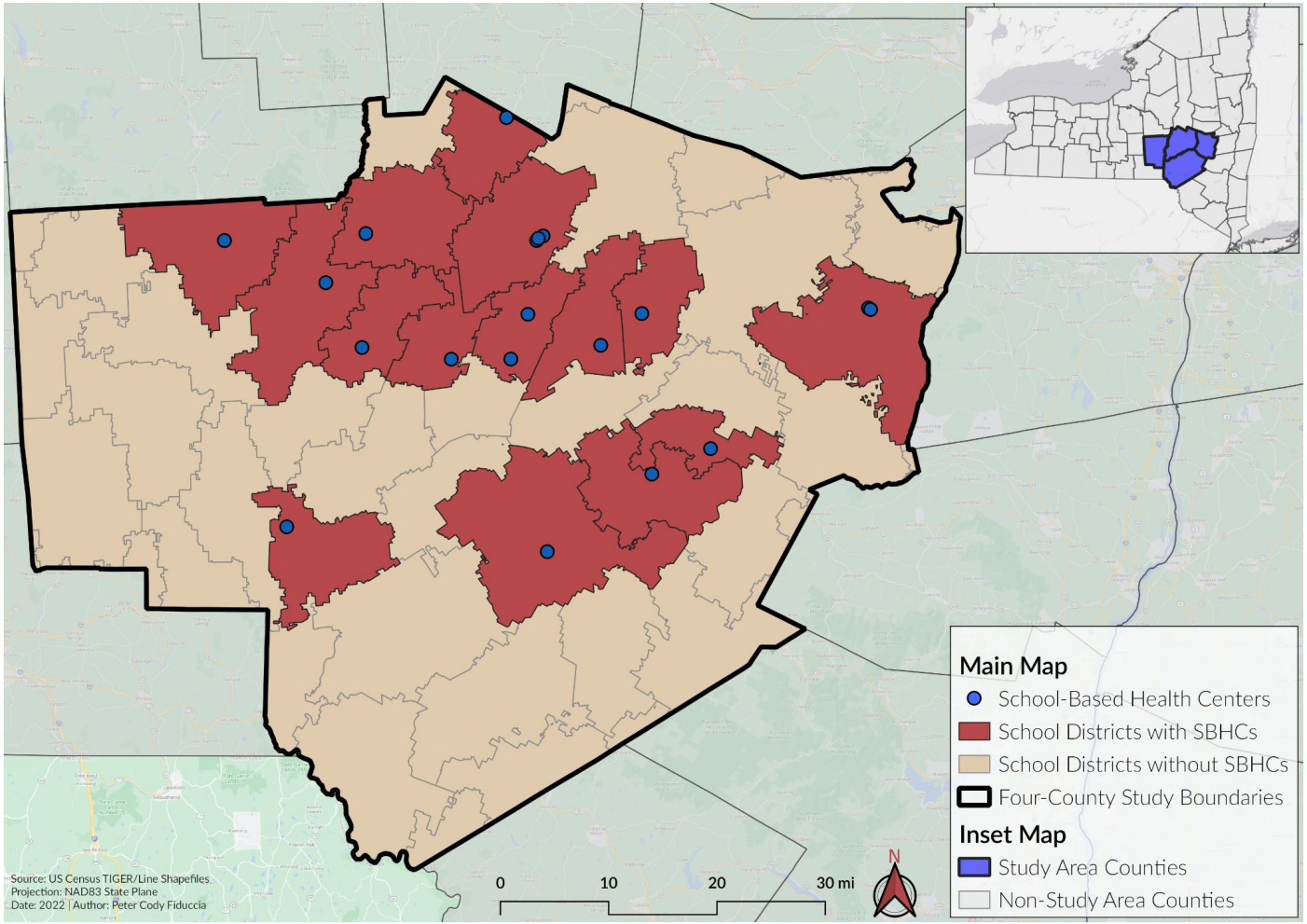
Widest Scale (National / Northeast)

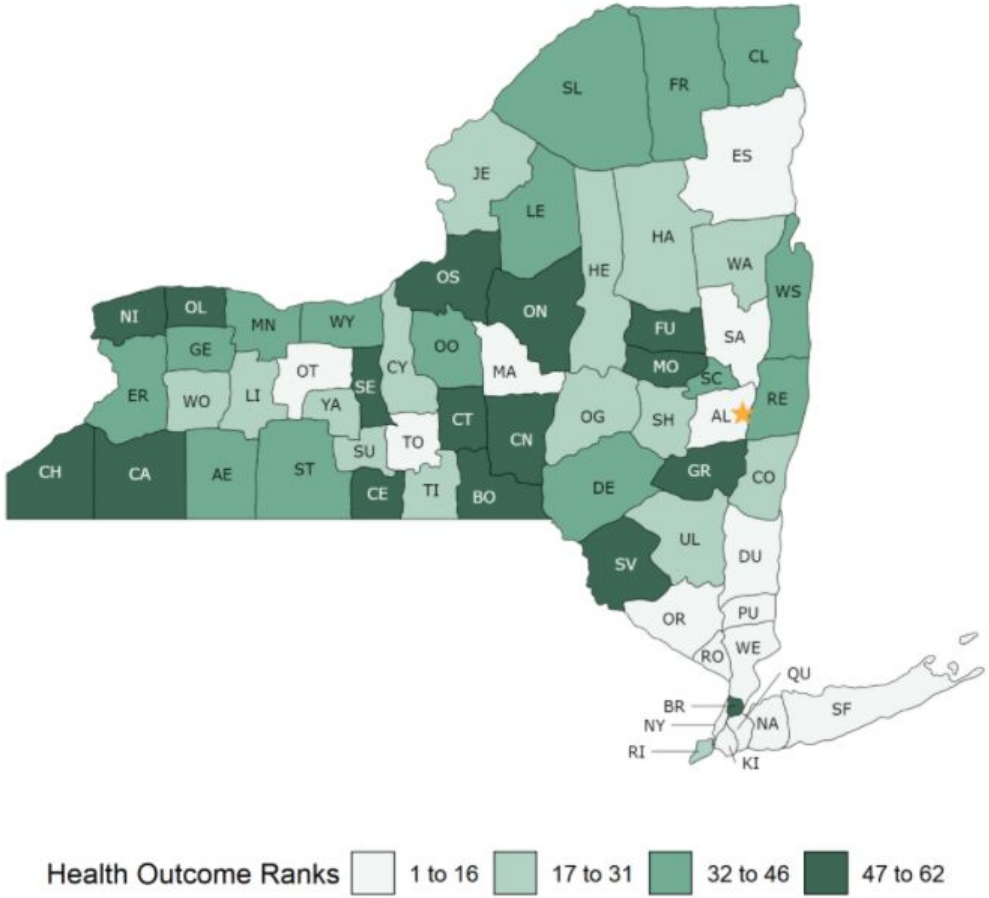




County	Distance (mi)	County	Distance (mi)
St. Lawrence	24	Delaware	0.25
Washington	20	Steuben	0.20
Essex	19	Ontario	0.16
Clinton	12	Rockland	0.15


Unemployment Rate
14
12
10
8
6
4
2
0
2000
2002
2004
2006
2008
2010
2012
2014
2016
2018
2020
New York State
Columbia County
Saint Lawrence County


Main Map
School-Based Health Centers
School Districts with SBHCs
School Districts without SBHCs
Four-County Study Boundaries
Inset Map
Study Area Counties
Non-Study Area Counties
N
0
10
20
30 mi
Source: US Census TIGER/Line Shapefiles
Projection: NAD83 State Plane
Date: 2022 | Author: Peter Cody Fiduccia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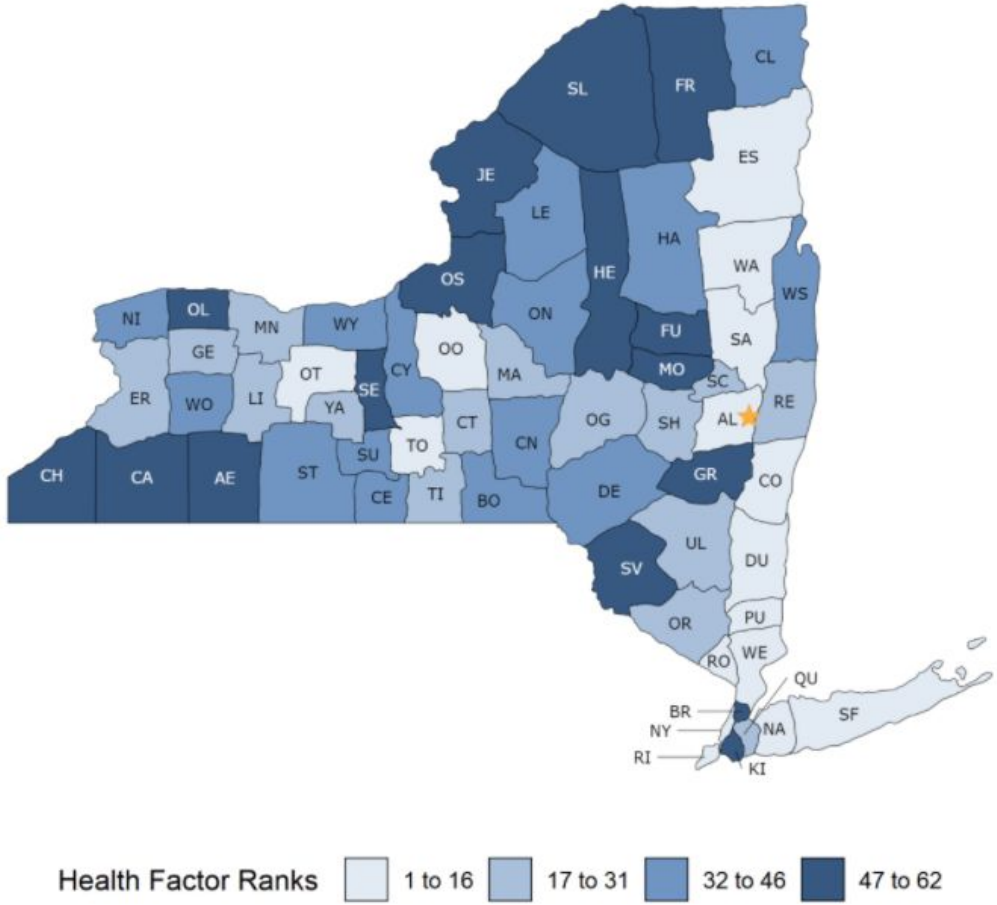
Health Outcome Ranks
1 to 16
17 to 31
32 to 46
47 to 62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NY
RI
NA
SF
KI
Health Factor Ranks
1 to 16
17 to 31
32 to 46
47 to 62

NY State Housing - Summary Table

Housing units, July 1, 2019, (V2019)	8,404,381
Owner-occupied housing unit rate, 2015-2019	53.9%
Median value of owner-occupied housing units, 2015-2019	$313,700
Median selected monthly owner costs -with a mortgage, 2015-2019	$2,155
Median selected monthly owner costs -without a mortgage, 2015-2019	$772
Median gross rent, 2015-2019	$1,280
Building permits, 2020	37,330

NY County Comparison

2015-2019 Average Education and Poverty Rates

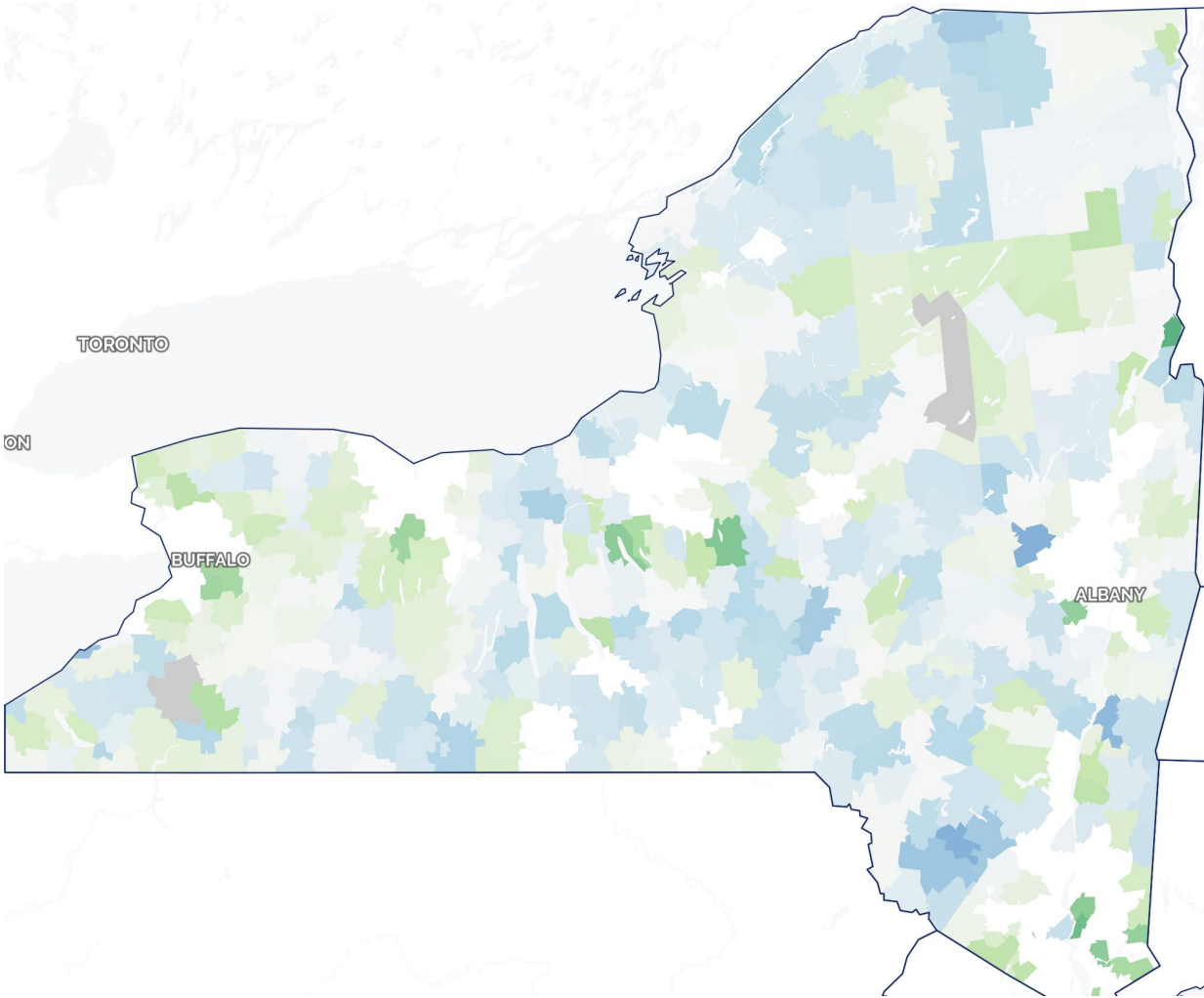
County	% with Bachelor's degree or higher	Poverty Rate
Columbia	32.7%	10.2%
St. Lawrence	23.8%	14.7%

Rural & Town Only

Blue Below/ Green Above…

National Average

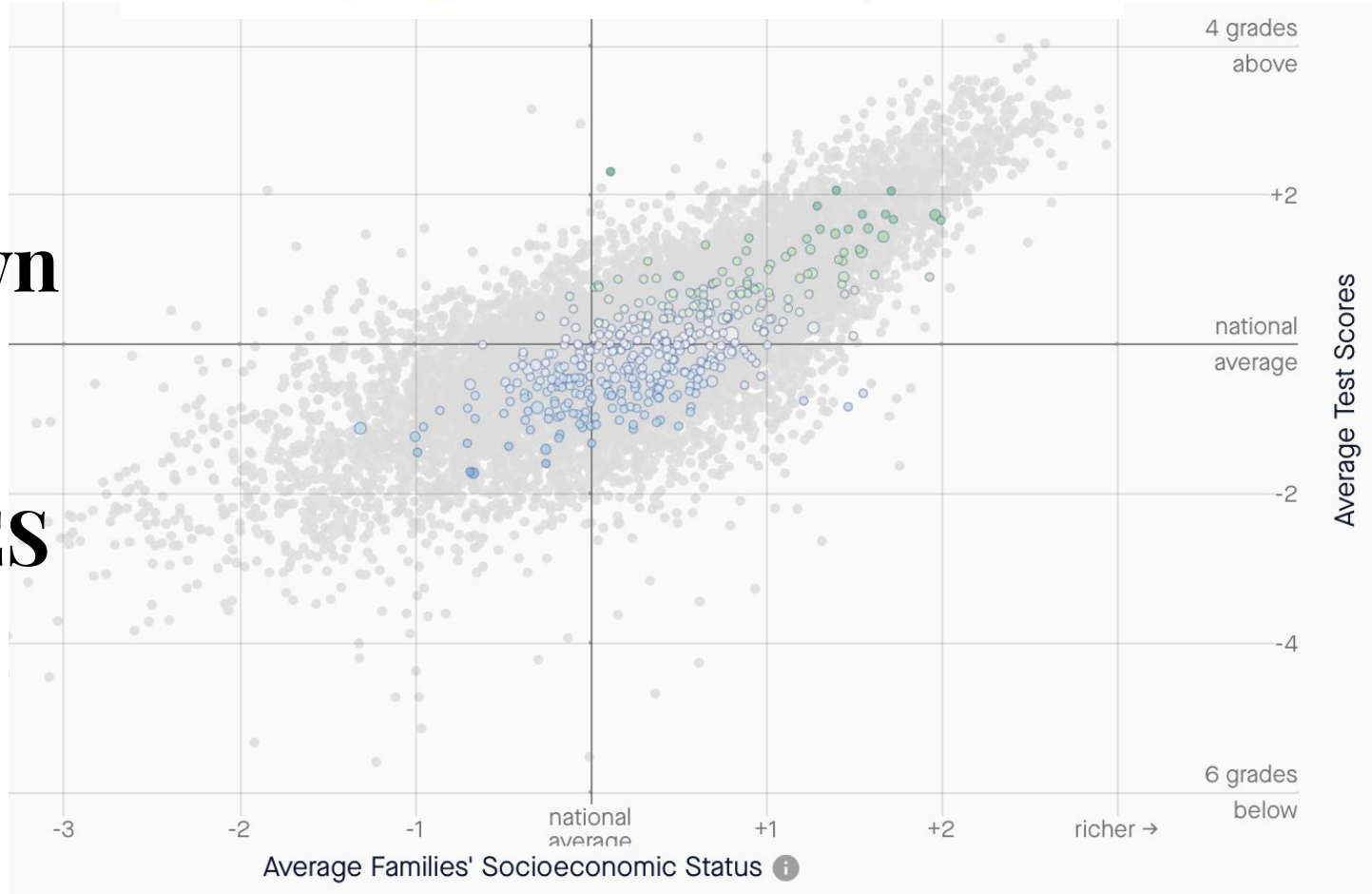
Source: Stanford Education Opportunity Tool



Rural & Town Only

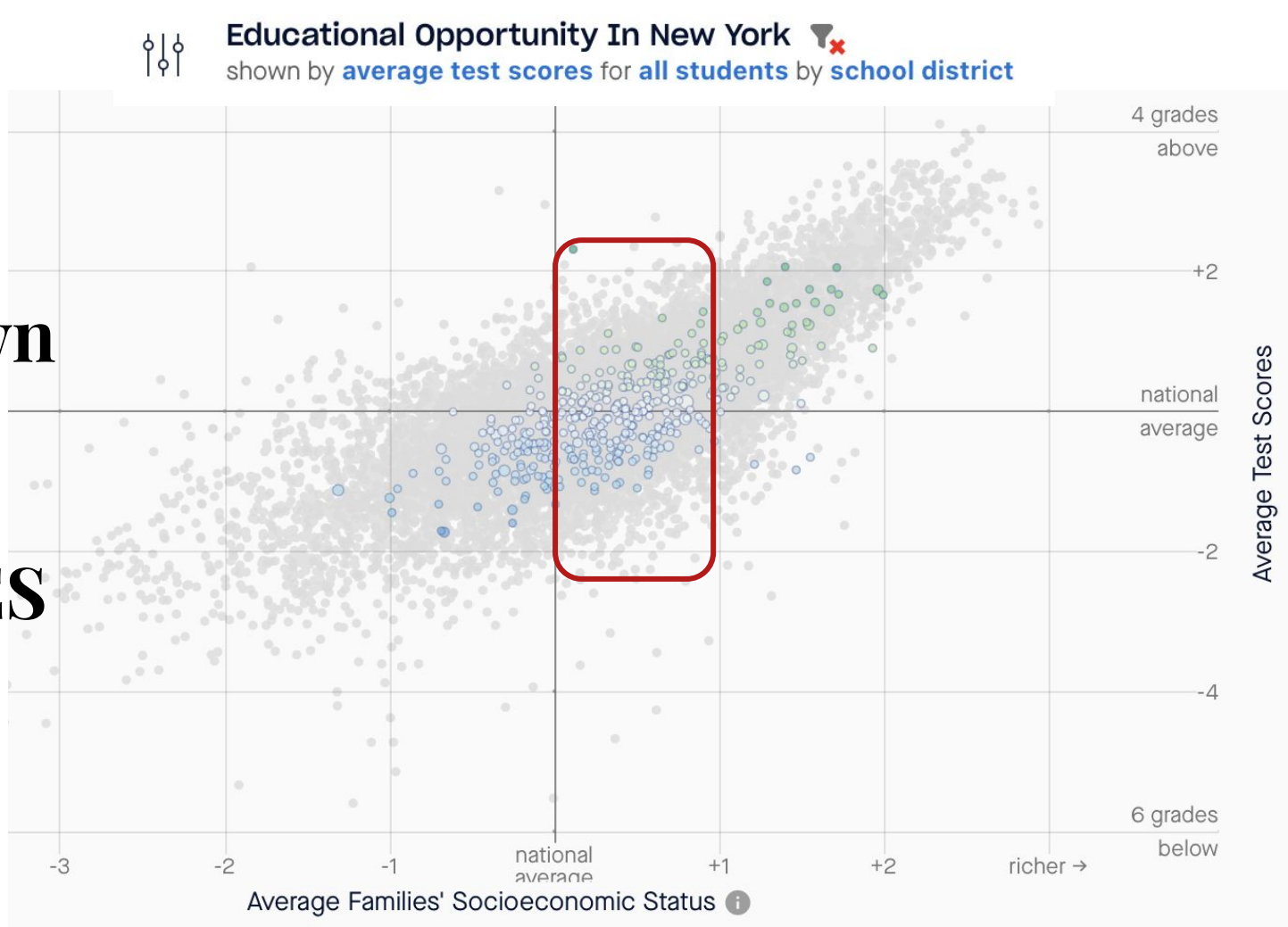
Scores by SES

Source: Stanford Education Opportunity Tool

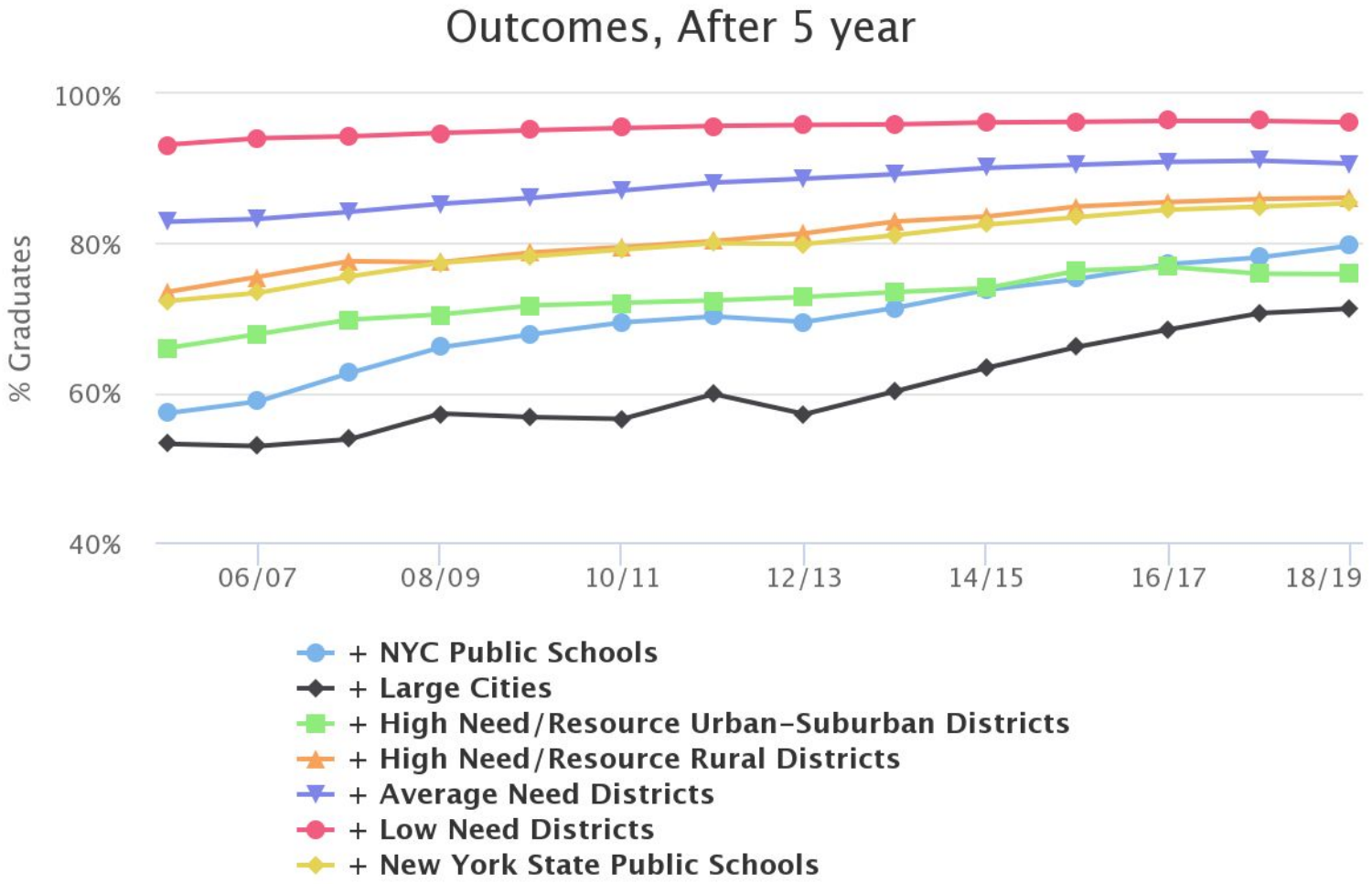


Rural & Town Only

Scores by SES



Source: Stanford Education Opportunity Tool


Outcomes, After 5 year
100%
80%
60%
40%
% Graduates
06/07
08/09
10/11
12/13
14/15
16/17
18/19
+ NYC Public Schools
+ Large Cities
+ High Need/Resource Urban-Suburban Districts
+ High Need/Resource Rural Districts
+ Average Need Districts
+ Low Need Districts
+ New York State Public Schools