Madison

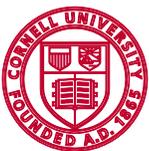## County Profile

2017

A collection of recent demographic, social and economic data

Compiled by

Jan Vink

Cornell Program on Applied Demographics

Cornell University

Program on Applied Demographics
CORNELL POPULATION CENTER

This profile is a part of a set of profiles generated for each county in New York State. The profiles were developed and generated by the Cornell Program on Applied Demographics. The work is sponsored by the New York State Data Center in the New York State Department of Labor.

Cornell Program on Applied Demographics:

> The Program on Applied Demographics (PAD) brings skills in demographics, economics, statistics, data gathering and data analysis together to provide a variety of organizations with data, information and advice. PAD is located in the Department of Policy Analysis and Management within the College of Human Ecology at Cornell University. PAD is also affiliated with the Cornell Institute for Social and Economic Research and the Cornell Population Center.

> For more information: http://pad.human.cornell.edu/

New York State Data Center:

> The New York State Data Center (NYSDC) is located in the Division of Research and Statistics within the New York State Department of Labor. The State Data Center operates as part of a nationwide effort to improve public access to data provided by the U.S. Census Bureau. The U.S. Census Bureau collects and tabulates data on a multitude of subjects such as population, social, economic and housing demographics, labor force data, health care, migration and transportation. These data play a critical role in understanding our local and larger surrounding communities. Census data also influence state and federal funding, aid decision making in the legislative process, and determine each state's number of congressional seats. As the lead agency in New York for the SDC program, the New York State Data Center helps users navigate through the multitude of surveys and products provided by the U.S. Census Bureau.

> For more information: https://labor.ny.gov/nys-data-center/

All profiles are freely downloadable as PDF documents on the PAD website:

http://pad.human.cornell.edu/profiles/index.cfm

This profile is an update from the County Profile produced in 2013. The 2013 profile also contained information on agriculture related items and can be found at https://pad.human.cornell.edu/profiles/2013/Madison.pdf

Contents

1 Reference Maps (towns and places as defined in 2010)

Madison County, NY

Towns, Cities, Indian Reservations, and Incorporated Villages

Lenox

Canastota

Sullivan

Wampsville

Oneida

Chittenango

Lincoln

Stockbridge

Fenner

Smithfield

Munnsville

Cazenovia

Cazenovia

Morrisville

Madison

Nelson

Eaton

Madison

Hamilton

Brookfield

DeRuyter

Georgetown

Lebanon

Hamilton

DeRuyter

Earlville

New York State Counties

Madison County

0   100 Miles

Legend

• *Village*

Town

City

0   10 Miles

Created by Cornell Program on Applied Demographics.
March 2012.
Data Source: 2010 Census TIGER/Line® Shapefiles.

N

Madison County, NY
Overlap with School and Political Districts

School Districts

Sherrill
Chittenango Canastota Oneida
Fayetteville-Manlius
Stockbridge Valley
Madison Waterville
Cazenovia Morrisville-Eaton Mount Markham
Fabius-Pompey
Hamilton Brookfield
DeRuyter
Georgetown-South Otselic Sherburne-Earlville Edmeston
Unadilla Valley

113th House of Representatives

District 22

2013-2014 New York Senate

District 53

2013-2014 New York Assembly

District 121

2   Population density and Urban Areas Map

Madison County, NY

2010 Population per Square Mile at Block Level

Created by Cornell Program on Applied Demographics.
April 2012.
Data Source: 2010 Census TIGER/Line® Shapefiles.
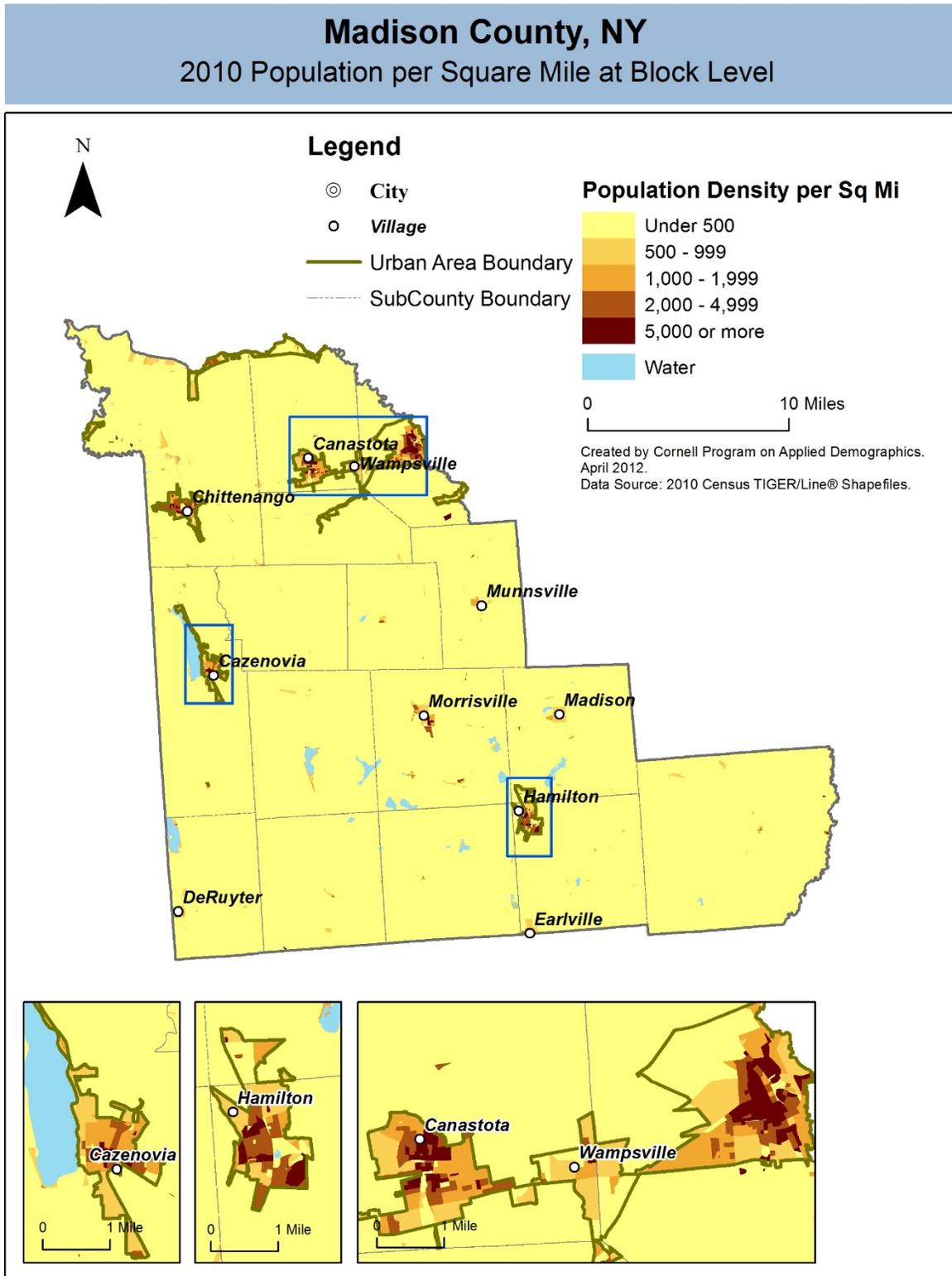
3 Total Population

3.1 Historic and projected

Total population, Madison County, 1940-2040
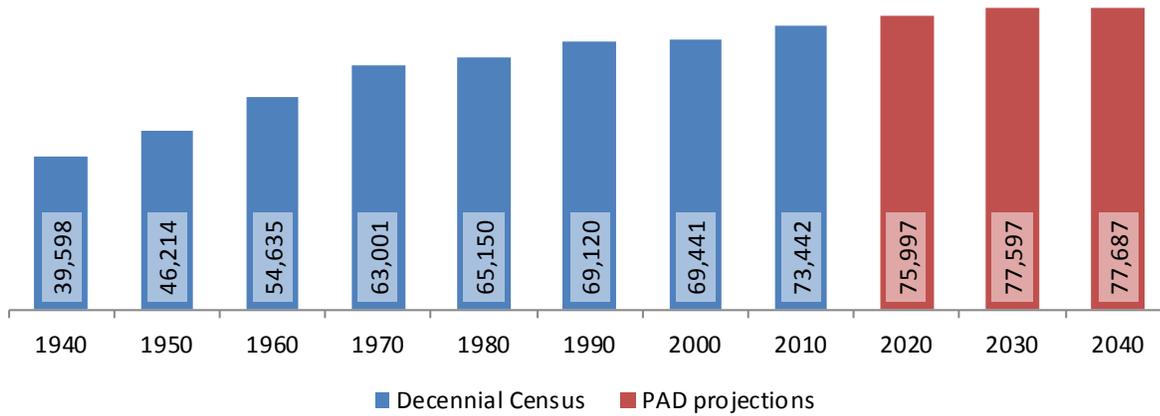
| | Decennial Census | PAD projections |

Values shown in bars: 39,598 | 46,214 | 54,635 | 63,001 | 65,150 | 69,120 | 69,441 | 73,442 | 75,997 | 77,597 | 77,687

Years: 1940 | 1950 | 1960 | 1970 | 1980 | 1990 | 2000 | 2010 | 2020 | 2030 | 2040

Source: 1940-2010 Decennial Census and projections by Cornell Program on Applied Demographics

3.2 Change since previous Census

		Total population	Change	
			Number	Percent
Decennial Census	1940	39,598		
	1950	46,214	6,616	16.7%
	1960	54,635	8,421	18.2%
	1970	63,001	8,366	15.3%
	1980	65,150	2,149	3.4%
	1990	69,120	3,970	6.1%
	2000	69,441	321	0.5%
	2010	73,442	4,001	5.8%
PAD projections	2020	75,997	2,555	3.5%
	2030	77,597	1,600	2.1%
	2040	77,687	90	0.1%

Source: 1940-2010 Decennial Census and projections by Cornell Program on Applied Demographics

3.3   Annual population estimates

**Annual population estimates
Madison County, 1990-2016**

Max
2010
73,431

Last
2016
71,329

Min
1990
69,300

1990   1995   2000   2005   2010   2015
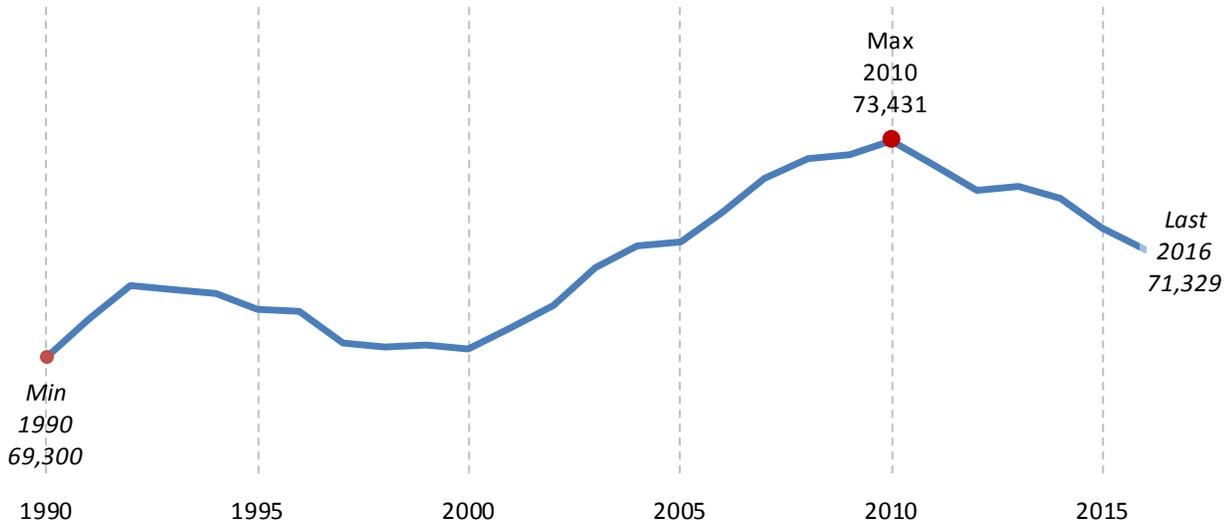
Source: U.S. Census Bureau population estimates (1990-1999 and 2000-2009 intercensal and vintage 2016 postcensal)

3.4   Sub County population change 2010-2015

	Total Population		Difference	
	2000	**2010**	**Count**	**%**
New York State	18,976,821 *	19,378,102	401,281	2.1%
Madison County	69,441	73,442	4,001	5.8%
Cities				
Oneida	10,987	11,393	406	3.7%
Towns				
Brookfield	2,403	2,545	142	5.9%
Cazenovia	6,481	7,086	605	9.3%
DeRuyter	1,532	1,589	57	3.7%
Eaton	4,826	5,255	429	8.9%
Fenner	1,680	1,726	46	2.7%
Georg	946	974	28	3.0%
Hamilton	5,733	6,690	957	16.7%
Lebanon	1,329	1,332	3	0.2%
Lenox	8,665	9,122	457	5.3%
Lincoln	1,818	2,012	194	10.7%
Madison	2,801	3,008	207	7.4%
Nelson	1,964	1,980	16	0.8%
Smithfield	1,205	1,288	83	6.9%
Stockbridge	2,080	2,103	23	1.1%
Sullivan	14,991	15,339	348	2.3%

 * Original counts revised through Count Question Resolution Program (CQR)

Source: U.S. Census Bureau intercensal population estimates 2000-2010

3.5 Sub County population change 2010-2015

	Total Population		Difference	
	2010 base	**2015**	**Count**	**%**
New York State	19,378,087	19,795,791	417,704	2.2%
Madison County	73,453	71,849	-1,604	-2.2%
Cities				
Oneida	11,415	11,134	-281	-2.5%
Towns				
Brookfield	2,544	2,454	-90	-3.5%
Cazenovia	7,083	7,061	-22	-0.3%
DeRuyter	1,585	1,556	-29	-1.8%
Eaton	5,236	4,807	-429	-8.2%
Fenner	1,727	1,703	-24	-1.4%
Georg	970	817	-153	-15.8%
Hamilton	6,689	6,563	-126	-1.9%
Lebanon	1,336	1,320	-16	-1.2%
Lenox	9,117	8,948	-169	-1.9%
Lincoln	2,012	1,976	-36	-1.8%
Madison	3,010	2,959	-51	-1.7%
Nelson	1,986	1,977	-9	-0.5%
Smithfield	1,303	1,278	-25	-1.9%
Stockbridge	2,095	2,047	-48	-2.3%
Sullivan	15,345	15,249	-96	-0.6%

Source: U.S. Census Bureau population estimates 2010-2015

4   Components of population change

4.1   Vital Statistics
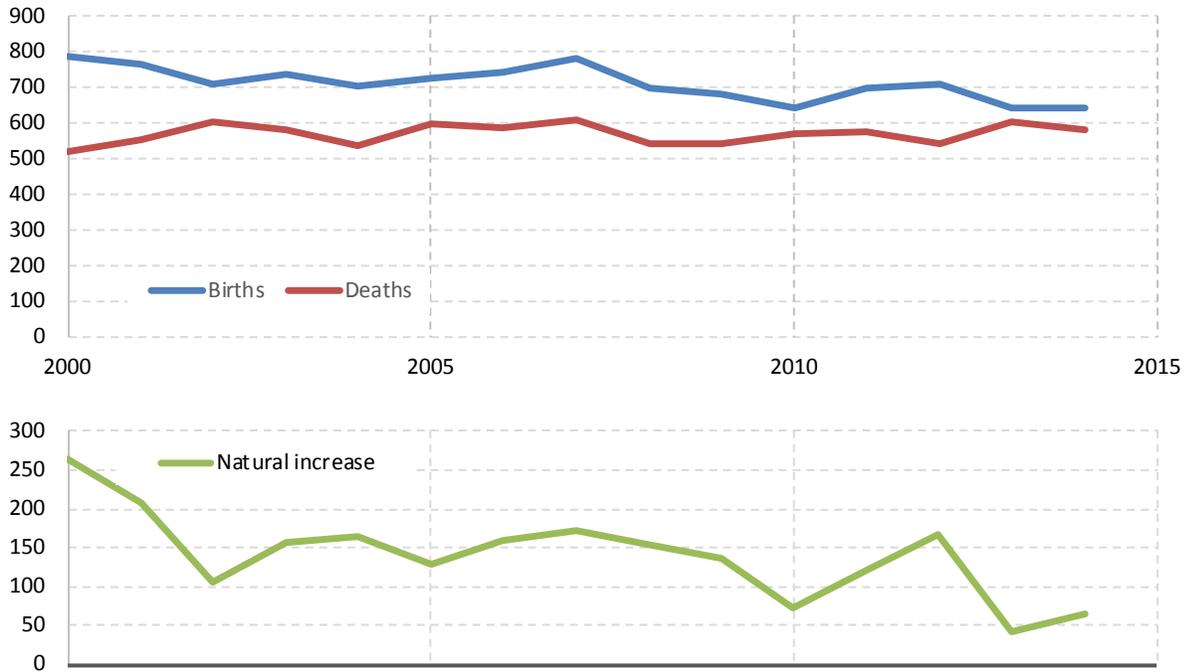
Source: New York State Department of Health

4.2   Migration

Domestic and international migration, Madison County
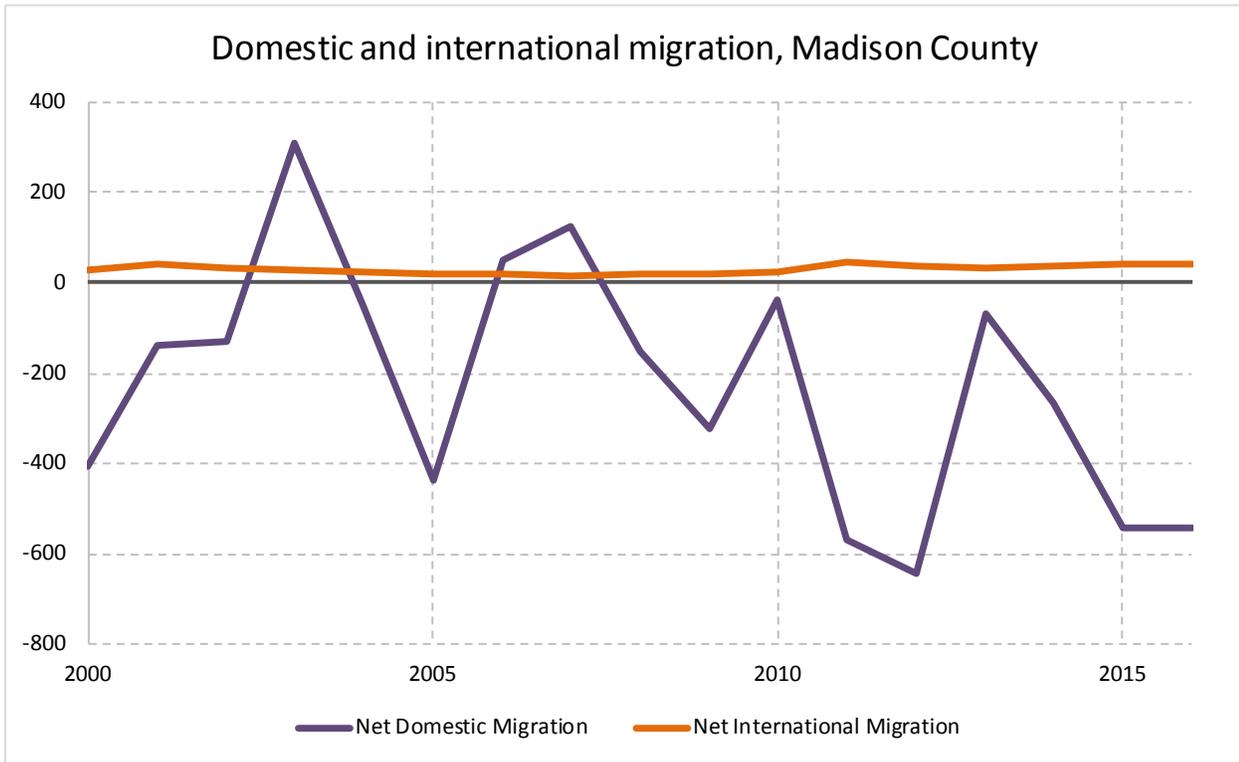
Source: Census Bureau population estimates (V2010 and V2016)

5 Population by age

5.1 Historic and projected population pyramids

1950 Population Pyramid, Madison County

1980 Population Pyramid, Madison County

2010 Population Pyramid, Madison County
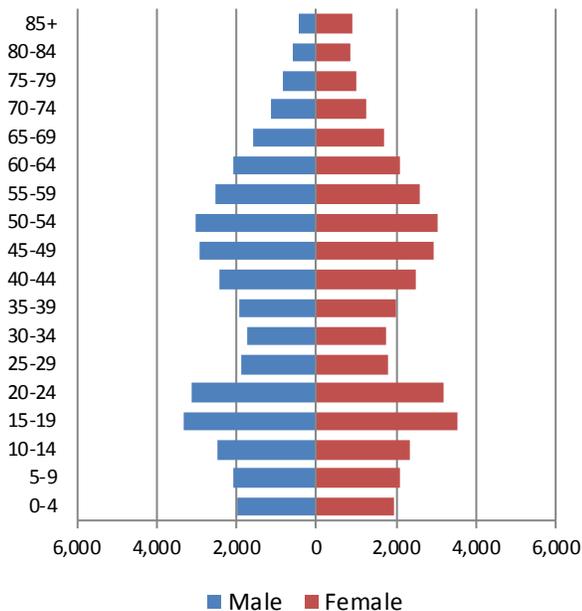
2040 Population Pyramid, Madison County
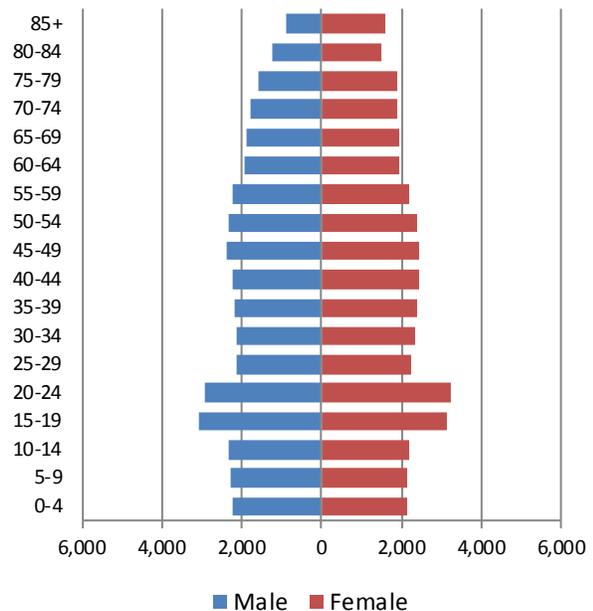
Source: 1950, 1980, 2010 Decennial Census and projections by Cornell Program on Applied Demographics

5.2   Selected age groups

Population age 5-14, Madison County, 1940-2040
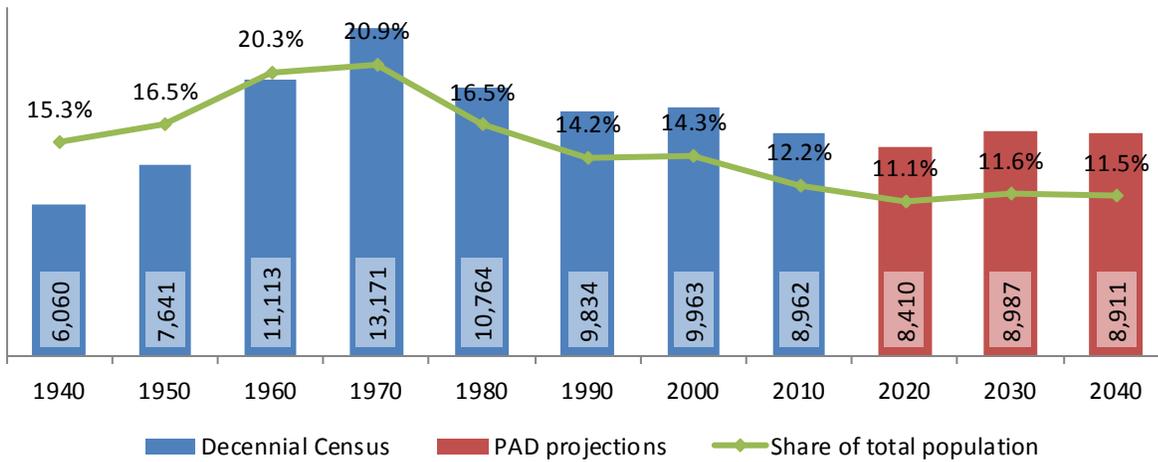
Legend: Decennial Census | PAD projections | Share of total population

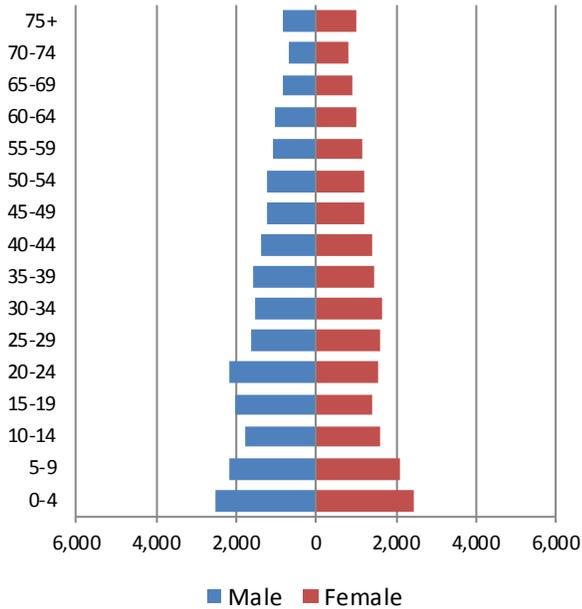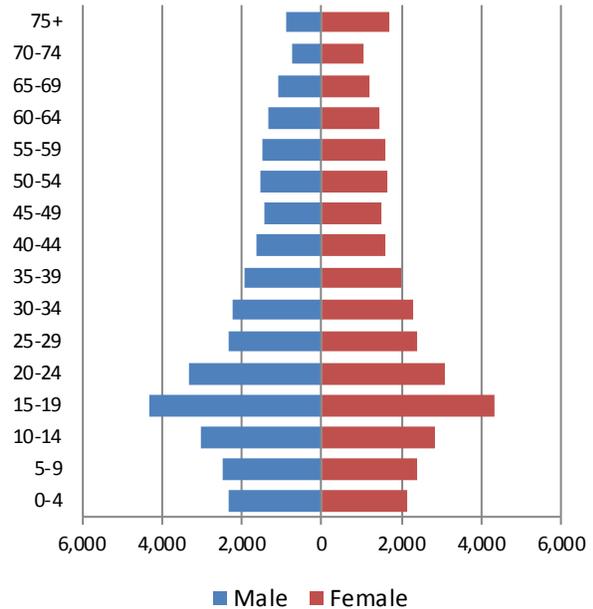Bar values: 1940: 6,060 (15.3%); 1950: 7,641 (16.5%); 1960: 11,113 (20.3%); 1970: 13,171 (20.9%); 1980: 10,764 (16.5%); 1990: 9,834 (14.2%); 2000: 9,963 (14.3%); 2010: 8,962 (12.2%); 2020: 8,410 (11.1%); 2030: 8,987 (11.6%); 2040: 8,911 (11.5%)

Source: 1940-2010 Decennial Census and projections by Cornell Program on Applied Demographics

Population age 25-64, Madison County, 1940-2040
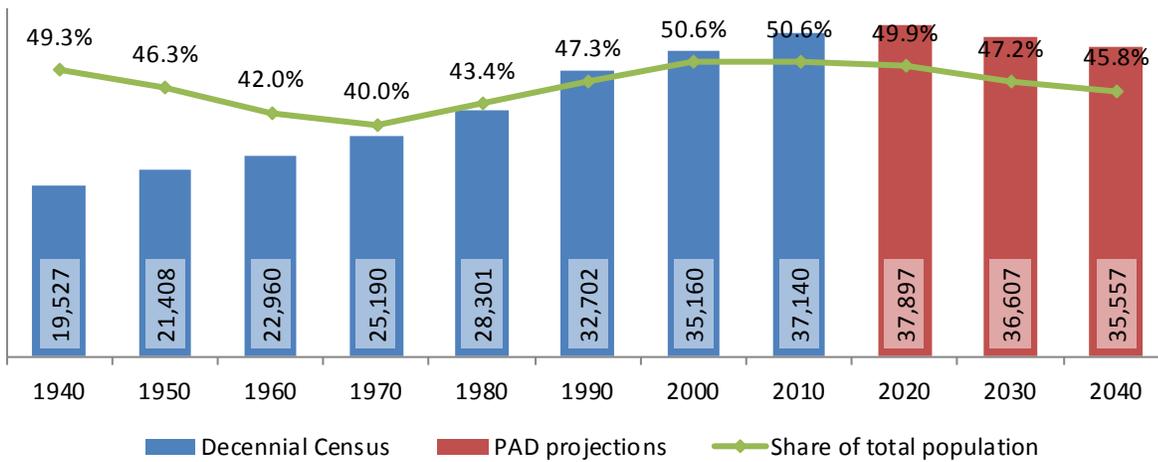
Legend: Decennial Census | PAD projections | Share of total population

Bar values: 1940: 19,527 (49.3%); 1950: 21,408 (46.3%); 1960: 22,960 (42.0%); 1970: 25,190 (40.0%); 1980: 28,301 (43.4%); 1990: 32,702 (47.3%); 2000: 35,160 (50.6%); 2010: 37,140 (50.6%); 2020: 37,897 (49.9%); 2030: 36,607 (47.2%); 2040: 35,557 (45.8%)

Source: 1940-2010 Decennial Census and projections by Cornell Program on Applied Demographics

Population age 65 and over, Madison County, 1940-2040
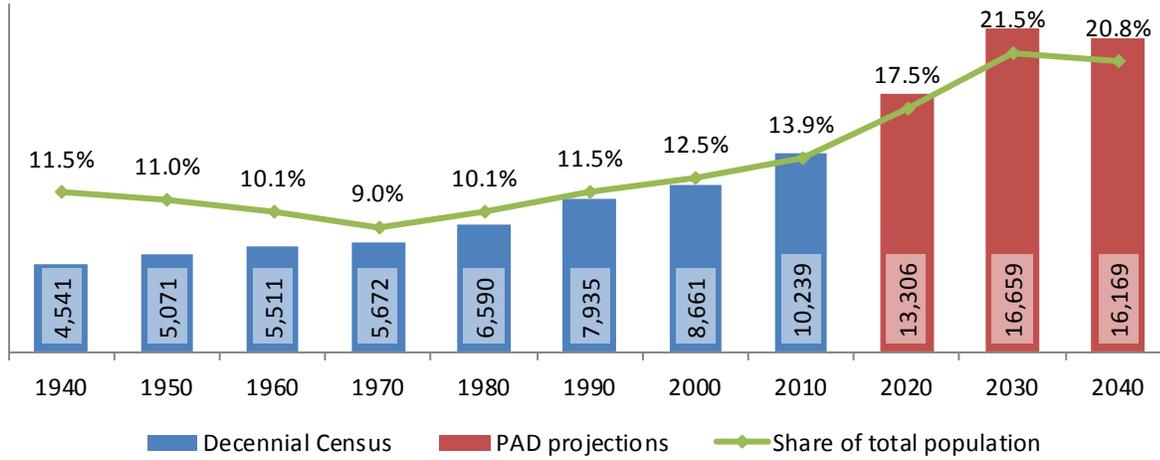
Source: 1940-2010 Decennial Census and projections by Cornell Program on Applied Demographics

5.3 Median age

	Madison County	New York State
Median age		
2000	36.1	35.9
2010	39.5	38.0
2015	41.3	38.3

Source: 2000, 2010 Decennial Census, 2015 Population Estimates

6 Race

6.1 Total and household population by race

	Total		In households		In Group Quarters
	Count	Percentage	Count	Percentage	Count
Total population	73,442	100%	68,309	100%	5,133
Not Hispanic or Latino					
One race					
White	68,916	93.8%	65,114	95.3%	3,802
Black or African American	1,260	1.7%	556	0.8%	704
American Indian and Alaska Native	473	0.6%	458	0.7%	15
Asian	576	0.8%	430	0.6%	146
Native Hawaiian and Other Pacific Islander	11	0.0%	-	-	-
Some other race	46	0.1%	-	-	-
Two or more races	844	1.1%	736	1.1%	108
Hispanic or Latino (of any race)	1,316	1.8%	962	1.4%	354

Source: 2010 Decennial Census

6.2 Race composition by age

Race composition by age, Madison County
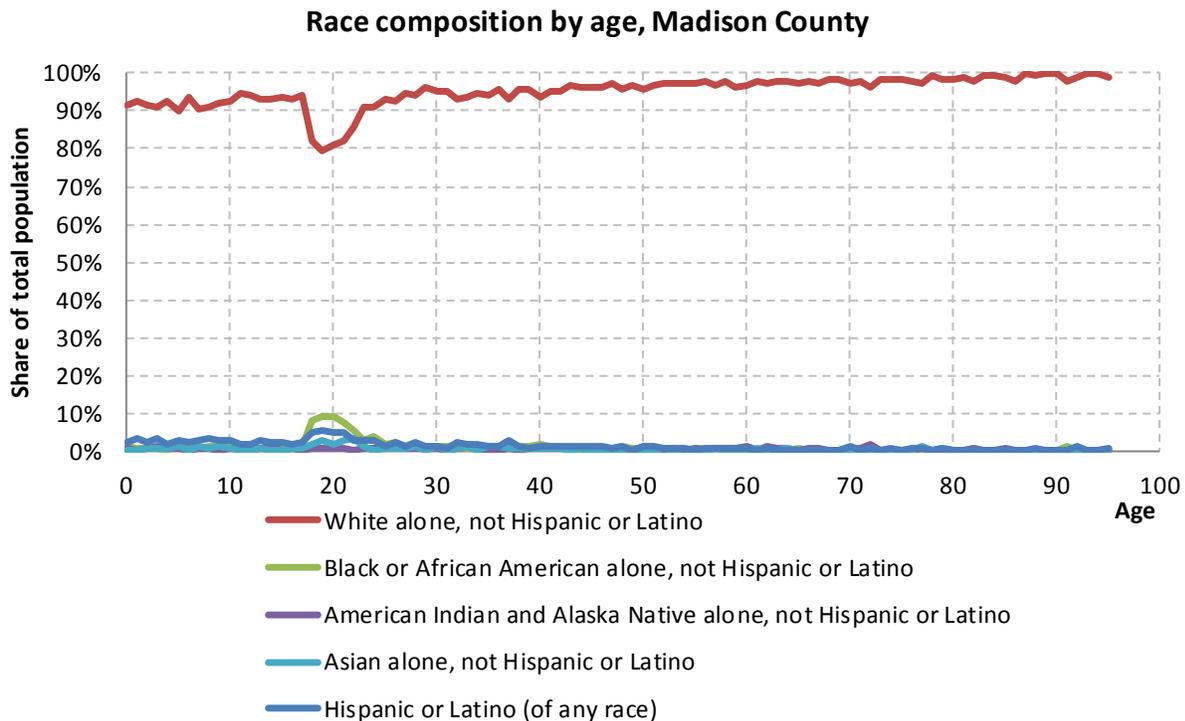
Source: 2010 Decennial Census

7 Housing units

7.1 Characteristics

HOUSING OCCUPANCY	COUNT		PERCENTAGE	
	Estimate	Margin of error	Estimate	Margin of error
Total housing units	31,742	± 156	100.0%	
Occupied housing units	26,288	± 548	82.8%	± 1.6
Vacant housing units	5,454	± 486	17.2%	± 1.6
YEAR STRUCTURE BUILT				
Total housing units	31,742	± 156	100.0%	
Built 2014 or later	10	± 16	0.0%	± 0.1
Built 2010 to 2013	209	± 72	0.7%	± 0.2
Built 2000 to 2009	2,450	± 289	7.7%	± 0.9
Built 1990 to 1999	3,514	± 359	11.1%	± 1.1
Built 1980 to 1989	3,722	± 354	11.7%	± 1.1
Built 1970 to 1979	3,517	± 312	11.1%	± 1.0
Built 1960 to 1969	3,146	± 316	9.9%	± 1.0
Built 1950 to 1959	2,867	± 344	9.0%	± 1.1
Built 1940 to 1949	1,062	± 174	3.3%	± 0.5
Built 1939 or earlier	11,245	± 476	35.4%	± 1.5
HOUSING TENURE				
Occupied housing units	26,288	± 548	100.0%	
Owner-occupied	19,755	± 489	75.1%	± 1.5
Renter-occupied	6,533	± 440	24.9%	± 1.5
HOUSE HEATING FUEL				
Occupied housing units	26,288	± 548	100.0%	
Utility gas	11,141	± 401	42.4%	± 1.4
Bottled, tank, or LP gas	2,930	± 274	11.1%	± 1.0
Electricity	3,297	± 306	12.5%	± 1.1
Fuel oil, kerosene, etc.	5,906	± 381	22.5%	± 1.4
Coal or coke	419	± 97	1.6%	± 0.4
Wood	2,282	± 244	8.7%	± 0.9
Solar energy	0	± 27	0.0%	± 0.1
Other fuel	253	± 64	1.0%	± 0.2
No fuel used	60	± 36	0.2%	± 0.1
VALUE				
Owner-occupied units	19,755	± 489	100.0%	
Less than $50,000	1,954	± 217	9.9%	± 1.1
$50,000 to $99,999	5,411	± 365	27.4%	± 1.7
$100,000 to $149,999	4,501	± 304	22.8%	± 1.4
$150,000 to $199,999	2,963	± 274	15.0%	± 1.3
$200,000 to $299,999	2,857	± 240	14.5%	± 1.1
$300,000 to $499,999	1,742	± 258	8.8%	± 1.3
$500,000 to $999,999	233	± 78	1.2%	± 0.4
$1,000,000 or more	94	± 45	0.5%	± 0.2
Median (dollars)	124,900	± 4,546		

Source: 2011-2015 American Community Survey

7.2   Historical data on number of housing units and occupancy status

Year	Number of Housing Units	Change since previous Census	Occupied	Occupancy rate	Vacant
1970	20,486		17,741	86.6%	2,745
1980	23,918	16.8%	20,805	87.0%	3,113
1990	26,641	11.4%	23,567	88.5%	3,074
2000	28,646	7.5%	25,368	88.6%	3,278
2010	31,757	10.9%	27,754	87.4%	4,003

Source: 1970-2010 Decennial Census

7.3   Building Permits 2000-2015

Building permits by number of permitted units in building, Madison County
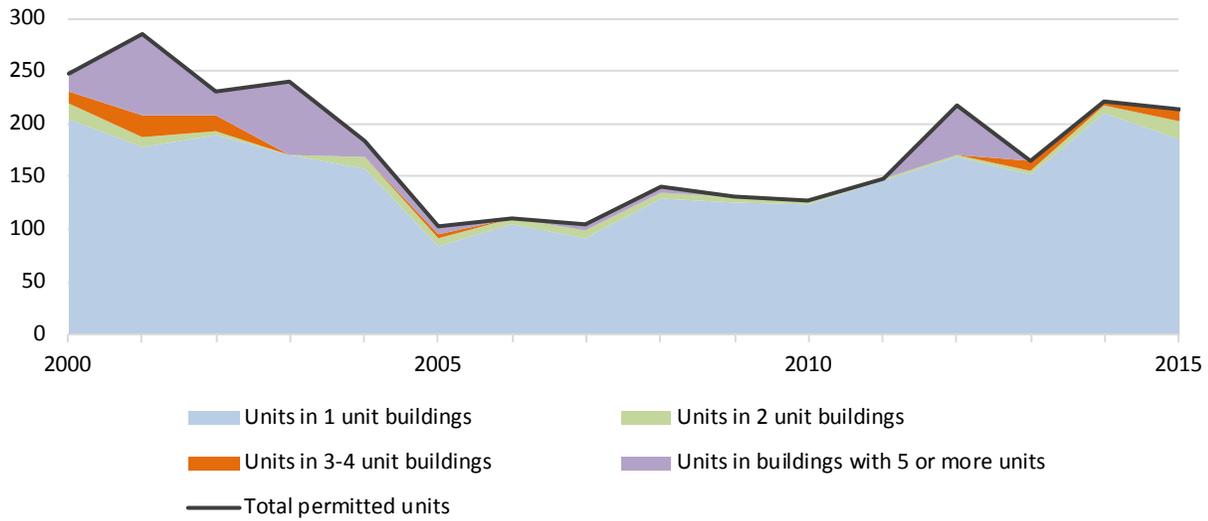
Source: Census Bureau Building Permits Survey

8   Education

8.1   Enrollment by level of school

	Estimate	Margin of error
Total enrolled in school	18,963	± 433
Nursery school, preschool	738	± 154
Kindergarten to 12th grade	11,006	± 257
Kindergarten	847	± 183
Elementary: grade 1 to grade 4	3,242	± 268
Elementary: grade 5 to grade 8	3,229	± 275
High school: grade 9 to grade 12	3,688	± 211
College, undergraduate	6,936	± 355
Graduate, professional school	283	± 83

Source: 2011-2015 American Community Survey

8.2   Enrollment by age

	Estimate	Margin of error
3 and 4 years	35.5%	± 7.1
5 to 9 years	92.8%	± 2.8
10 to 14 years	93.9%	± 2.6
15 to 17 years	94.0%	± 2.6
18 and 19 years	87.8%	± 4.0
20 to 24 years	53.7%	± 3.9
25 to 34 years	7.9%	± 2.0
35 years and over	1.3%	± 0.3

Source: 2011-2015 American Community Survey

8.3   Percentage age 18-24 enrolled in college

	Estimate	Margin of error
Population 18 to 24 years	9,857	± 187
Enrolled in college or graduate school	61.4%	± 2.8
Males 18 to 24 years	4,835	± 125
Enrolled in college or graduate school	58.7%	± 4.7
Females 18 to 24 years	5,022	± 121
Enrolled in college or graduate school	64.0%	± 4.9

Source: 2011-2015 American Community Survey

8.4   Educational attainment

	COUNT		PERCENTAGE	
	Estimate	Margin of error	Estimate	Margin of error
Population 25 years and over	47,612	± 187	100%	
EDUCATIONAL ATTAINMENT				
Less than 9th grade	1,475	± 254	3.1%	± 0.5
9th to 12th grade, no diploma	3,081	± 329	6.5%	± 0.7
High school graduate (includes equivalency)	16,062	± 671	33.7%	± 1.4
Some college, no degree	8,818	± 493	18.5%	± 1.0
Associate's degree	5,680	± 395	11.9%	± 0.8
Bachelor's degree	7,038	± 470	14.8%	± 1.0
Graduate or professional degree	5,458	± 379	11.5%	± 0.8
Percent high school graduate or higher			90.4%	± 0.8
Percent bachelor's degree or higher			26.2%	± 1.3

Source: 2011-2015 American Community Survey

9   Language spoken at home

	COUNT		PERCENTAGE		SPEAK ENGLISH LESS THAN "VERY WELL"	
	Estimate	Margin of error	Estimate	Margin of error	Estimate	Margin of error
Population 5 years and over	69,037	± 60	100%			
LANGUAGE SPOKEN AT HOME						
English only	66,519	± 281	96.4%	± 0.4		
Language other than English	2,518	± 279	3.6%	± 0.4	532	± 123
Spanish	766	± 159	1.1%	± 0.2	150	± 63
Other Indo-European languages	1,077	± 186	1.6%	± 0.3	219	± 83
Asian and Pacific Islander languages	373	± 86	0.5%	± 0.1	125	± 57
Other languages	302	± 124	0.4%	± 0.2	38	± 31

Source: 2011-2015 American Community Survey

10 Labor Force Characteristics

10.1 Labor force, employment and unemployment

	TOTAL		IN LABOR FORCE		EMPLOYED		UNEMPLOYMENT RATE	
	Estimate	Margin of error	Estimate	Margin of error	Estimate	Margin of error	Estimate	Margin of error
Population 16 years and over	59,567	± 126	58.6%	± 1.1	55.4%	± 1.1	5.1%	± 0.8
AGE								
16 to 19 years	5,733	± 186	22.7%	± 2.8	20.2%	± 2.8	11.1%	± 4.6
20 to 24 years	6,222	± 170	59.5%	± 4.4	52.5%	± 4.2	11.8%	± 3.0
25 to 29 years	3,663	± 83	80.3%	± 5.1	75.0%	± 5.2	6.1%	± 3.2
30 to 34 years	3,591	± 63	79.7%	± 4.1	73.2%	± 4.4	7.9%	± 4.1
35 to 44 years	7,874	± 149	82.2%	± 2.9	79.2%	± 2.9	3.6%	± 1.3
45 to 54 years	11,063	± 106	82.5%	± 2.3	80.1%	± 2.3	2.9%	± 1.0
55 to 59 years	5,232	± 344	76.0%	± 3.5	72.3%	± 3.3	3.6%	± 1.6
60 to 64 years	5,046	± 370	56.1%	± 3.4	53.7%	± 3.5	4.3%	± 1.8
65 to 74 years	6,353	± 83	22.7%	± 2.8	22.1%	± 2.7	2.4%	± 2.3
75 years and over	4,790	± 65	4.8%	± 1.5	4.8%	± 1.5	0.0%	± 12.1
RACE AND HISPANIC OR LATINO ORIGIN								
White alone	56,664	± 145	59.3%	± 1.2	56.0%	± 1.1	5.2%	± 0.8
Black or African American alone	1,338	± 131	32.7%	± 7.9	32.7%	± 7.9	0.0%	± 6.6
American Indian and Alaska Native alone	376	± 76	39.4%	± 13.8	38.0%	± 13.5	3.4%	± 4.4
Asian alone	421	± 77	68.2%	± 9.7	65.3%	± 9.7	4.2%	± 6.5
Two or more races	648	± 164	56.3%	± 11.7	54.6%	± 11.8	3.0%	± 4.6
Hispanic or Latino origin (of any race)	1,087	± 45	43.5%	± 7.7	42.1%	± 7.5	3.2%	± 4.0
White alone, not Hispanic or Latino	55,997	± 123	59.5%	± 1.2	56.2%	± 1.1	5.2%	± 0.8
SEX								
Population 20 to 64 years	42,691	± 133	74.8%	± 1.4	70.8%	± 1.4	5.0%	± 0.8
Male	21,257	± 101	78.6%	± 1.6	73.7%	± 1.7	5.8%	± 1.0
Female	21,434	± 103	71.0%	± 1.9	68.0%	± 1.9	4.2%	± 1.2
With own children under 18 years	6,704	± 328	75.9%	± 3.8	72.9%	± 3.6	3.9%	± 1.7
EDUCATIONAL ATTAINMENT								
Population 25 to 64 years	36,469	± 191	77.4%	± 1.5	73.9%	± 1.4	4.1%	± 0.8
Less than high school graduate	2,579	± 327	50.9%	± 6.9	45.7%	± 6.5	10.2%	± 5.8
High school graduate (includes equivalency)	11,601	± 567	73.3%	± 2.8	69.0%	± 2.8	5.3%	± 1.4
Some college or associate's degree	12,049	± 578	78.8%	± 2.6	75.3%	± 2.4	4.2%	± 1.1
Bachelor's degree or higher	10,240	± 627	87.0%	± 1.6	85.0%	± 1.7	2.1%	± 1.0

Table formula: **LABOR FORCE** =	# EMPLOYED + # UNEMPLOYED
% IN LABOR FORCE =	LABOR FORCE / TOTAL * 100%
% EMPLOYED =	# EMPLOYED / TOTAL * 100%
UNEMPLOYMENT RATE =	# UNEMPLOYED / LABOR FORCE * 100%

Source: 2011-2015 American Community Survey

10.2 Annual unemployment rate

Annual unemployment rate, Madison County and New York State

Legend: NY State — Madison County
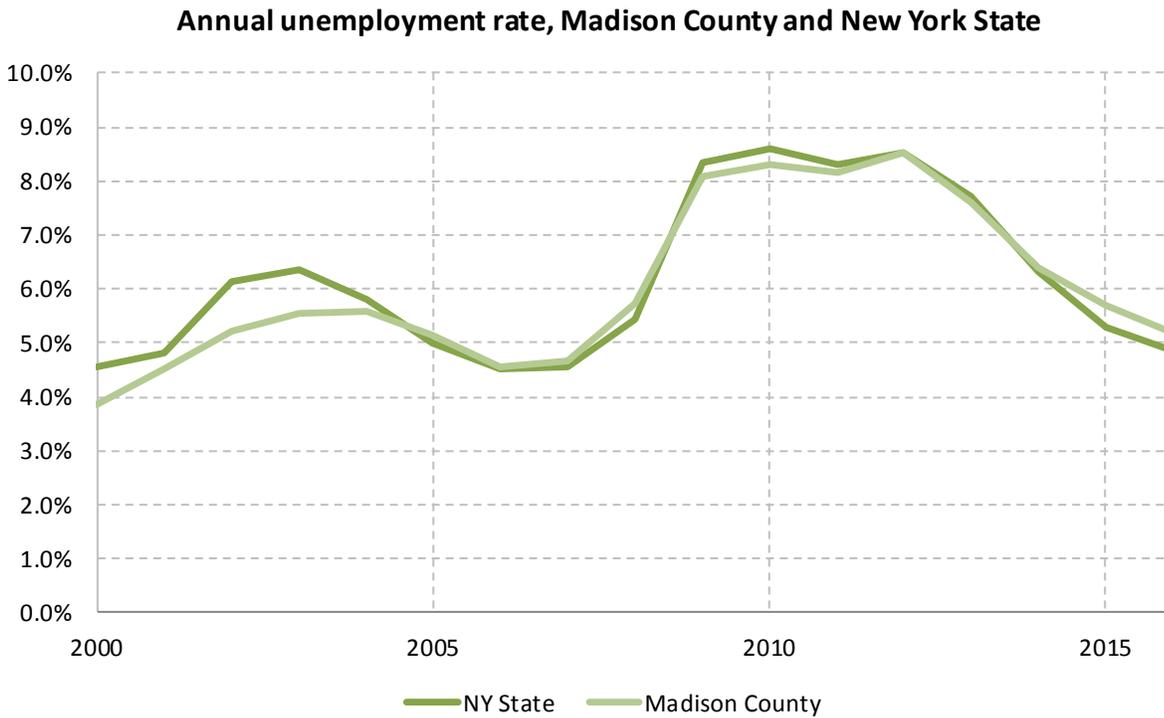
Source: Bureau Labor Statistics (BLS)

10.3 Employment and number of jobs

**Labor force, number of employed workers and number of jobs
Madison County**

Legend: Labor Force (BLS) — Employed (BLS) — Number of jobs (QCEW)
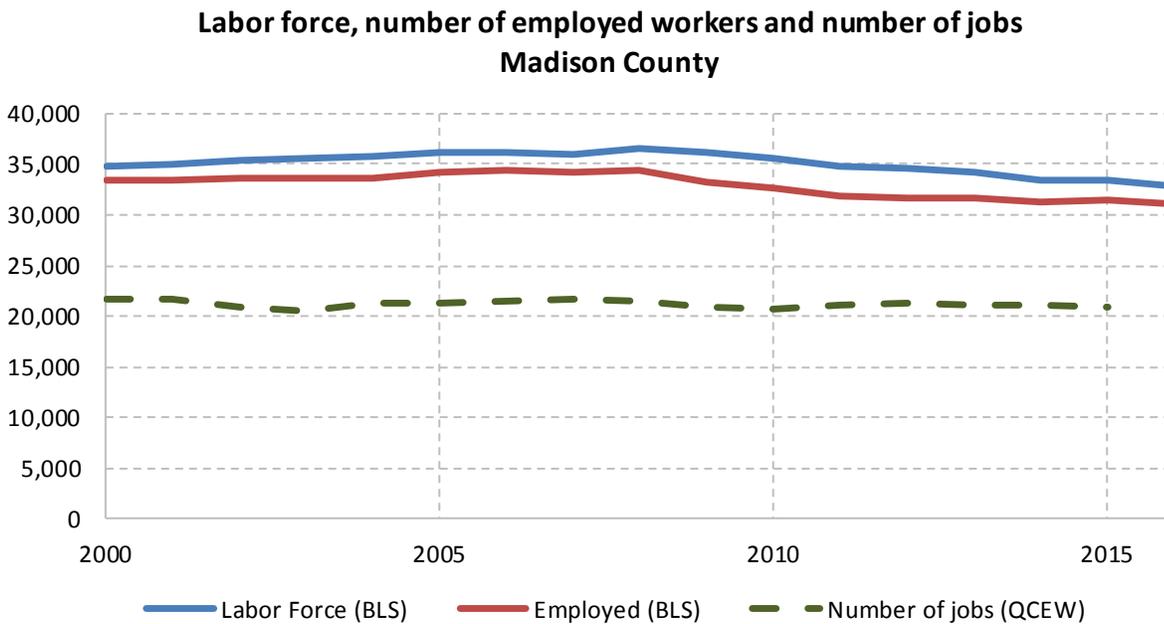
Source: Bureau Labor Statistics (BLS) and NY Department of Labor - Quarterly Census of Employment and Wages (QCEW) – annual averages

10.4 Class of worker

|		Total	%Male	%Female
Civilian employed population 16 years and over	Estimate	33,023	52.3%	47.7%
	Margin of error	*± 674*	*± 0.8*	*± 0.8*
Private for-profit wage and salary workers:	Estimate	21,292	56.5%	43.5%
	Margin of error	*± 720*	*± 1.4*	*± 1.4*
Employee of private company workers	Estimate	20,453	55.9%	44.1%
	Margin of error	*± 709*	*± 1.5*	*± 1.5*
Self-employed in own incorporated business workers	Estimate	839	70.9%	29.1%
	Margin of error	*± 174*	*± 7.4*	*± 7.4*
Private not-for-profit wage and salary workers	Estimate	3,997	32.2%	67.8%
	Margin of error	*± 357*	*± 3.6*	*± 3.6*
Local government workers	Estimate	2,544	42.2%	57.8%
	Margin of error	*± 308*	*± 5.3*	*± 5.3*
State government workers	Estimate	2,310	42.5%	57.5%
	Margin of error	*± 242*	*± 4.4*	*± 4.4*
Federal government workers	Estimate	486	65.6%	34.4%
	Margin of error	*± 126*	*± 11.2*	*± 11.2*
Self-employed in own not incorporated business workers and unpaid family workers	Estimate	2,394	66.2%	33.8%
	Margin of error	*± 277*	*± 4.8*	*± 4.8*

Source: 2011-2015 American Community Survey

11   Household Income

11.1   Income Distribution

	Estimate	Margin of error	Interval width (in $1,000)	Est. per $1,000 section
Total:	26,288	± 548		
Less than $10,000	1,759	± 252	10	175.9
$10,000 to $14,999	1,051	± 199	5	210.2
$15,000 to $19,999	1,376	± 207	5	275.2
$20,000 to $24,999	1,237	± 247	5	247.4
$25,000 to $29,999	1,233	± 208	5	246.6
$30,000 to $34,999	1,463	± 227	5	292.6
$35,000 to $39,999	1,197	± 240	5	239.4
$40,000 to $44,999	1,298	± 228	5	259.6
$45,000 to $49,999	1,444	± 231	5	288.8
$50,000 to $59,999	2,530	± 275	10	253.0
$60,000 to $74,999	2,767	± 266	15	184.5
$75,000 to $99,999	3,652	± 349	25	146.1
$100,000 to $124,999	2,214	± 256	25	88.6
$125,000 to $149,999	1,246	± 163	25	49.8
$150,000 to $199,999	997	± 181	50	19.9
$200,000 or more	824	± 141	-	-

Source: 2011-2015 American Community Survey
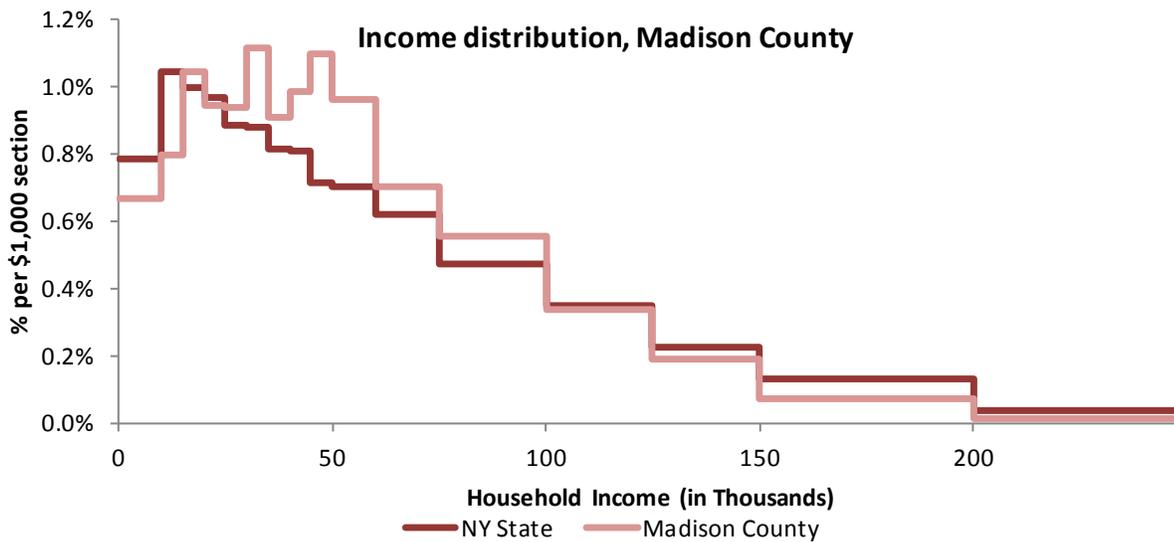
Source: 2011-2015 American Community Survey

11.2 Median household income: Trends over time

Median Household Income ($), Madison County, 2000-2015

Values shown (NY state estimate): 41,065 · 40,001 · 40,018 · 40,089 · 41,358 · 44,505 · 46,481 · 50,924 · 49,853 · 51,389 · 50,270 · 49,326 · 48,220 · 51,057 · 51,600 · 58,094

Legend: 90% Confidence interval — Estimate — NY state estimate
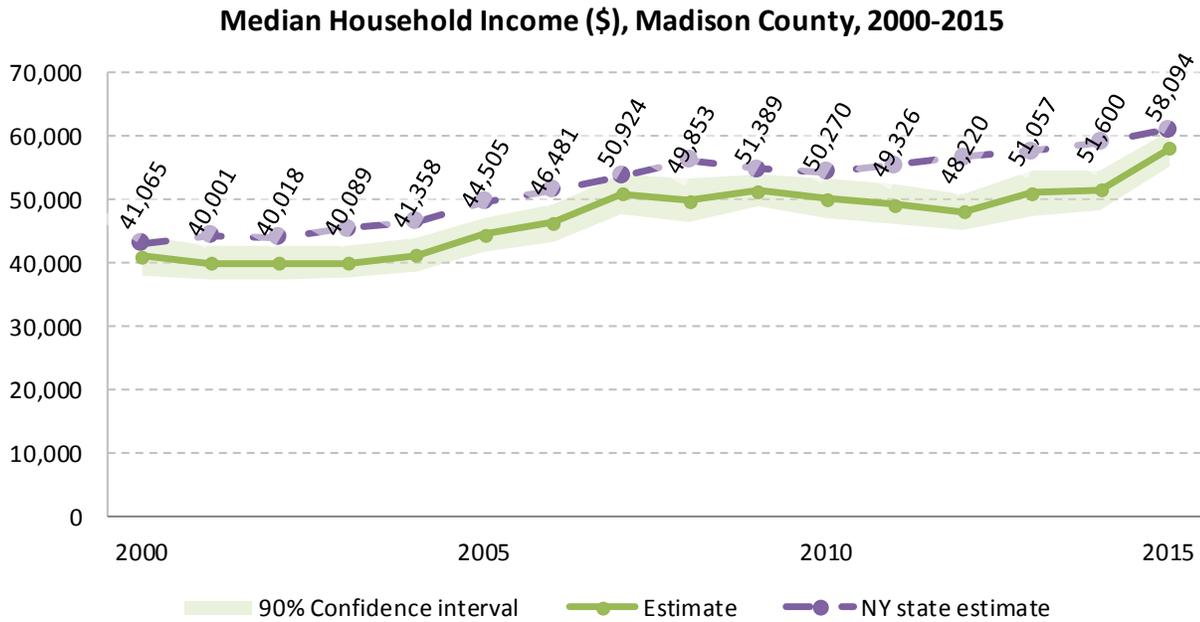
Source: Small Area Income and Poverty Estimates *(SAIPE)*

12 Poverty

12.1 Family Income to Poverty Ratio

	TOTAL		PERCENT OF ALL	
	Estimate	Margin of error	Estimate	Margin of error
All families	17,315	± 492		
ALL FAMILIES WITH INCOME:				
Below 50 percent of poverty level	609	± 173	3.5%	± 1.0
Below 100 percent of poverty level	**1,348**	**± 247**	**7.8%**	**± 1.4**
Below 125 percent of poverty level	1,776	± 287	10.3%	± 1.6
Below 150 percent of poverty level	2,415	± 312	13.9%	± 1.8
Below 185 percent of poverty level	3,334	± 343	19.3%	± 1.9
Below 200 percent of poverty level	3,776	± 373	21.8%	± 2.1
Below 300 percent of poverty level	6,813	± 465	39.3%	± 2.4
Below 400 percent of poverty level	9,764	± 466	56.4%	± 2.2
Below 500 percent of poverty level	12,058	± 458	69.6%	± 1.8

Source: 2011-2015 American Community Survey

12.2 Poverty: Trends over time: Count

Number of people in poverty, Madison County, 2000-2015
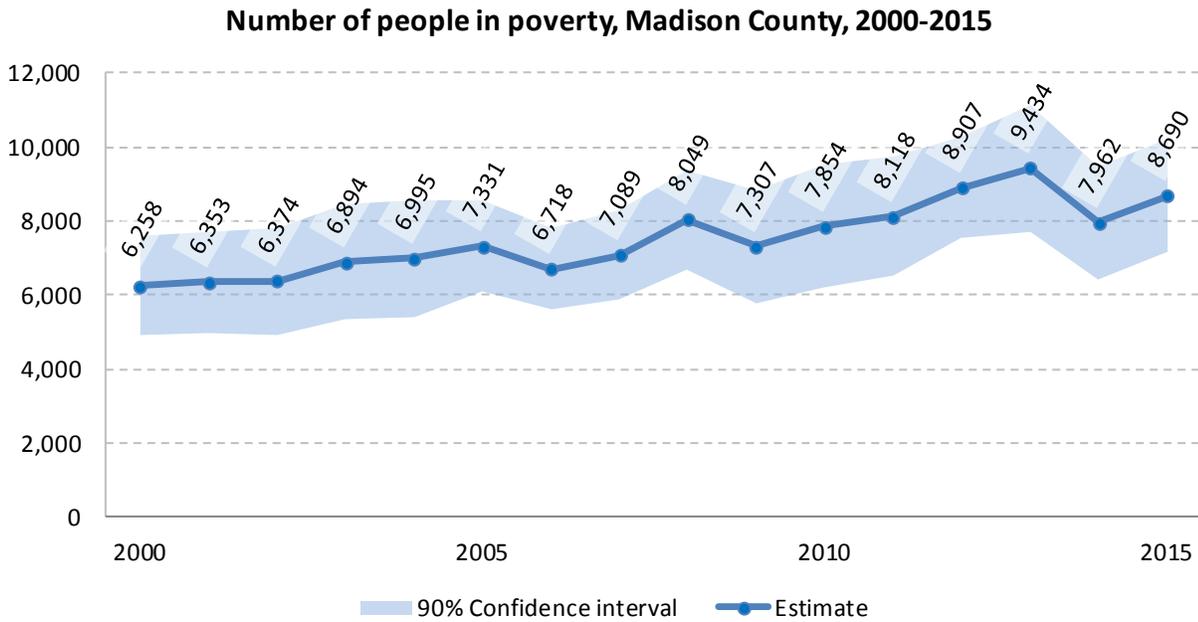
Source: Small Area Income and Poverty Estimates (SAIPE)

12.3 Poverty: Trends over time: Rate

Poverty rate, Madison County, 2000-2015
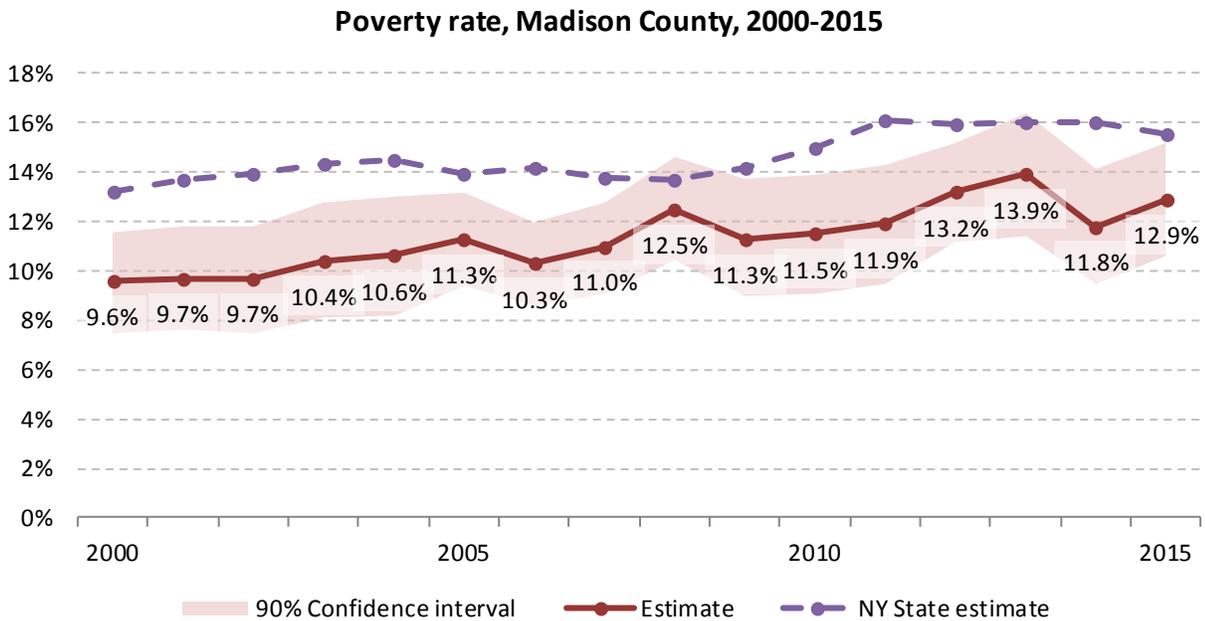
Source: Small Area Income and Poverty Estimates (SAIPE)

12.4 Poverty characteristics

	TOTAL		BELOW POVERTY LEVEL		PERCENT BELOW POVERTY LEVEL	
	Estimate	Margin of error	Estimate	Margin of error	Estimate	Margin of error
Population for whom poverty status is determined	67,129	± 368	8,180	± 829	12.2%	± 1.2
AGE						
Under 18 years	14,707	± 111	2,627	± 437	17.9%	± 3.0
Under 5 years	3,339	± 72	806	± 203	24.1%	± 6.1
5 to 17 years	11,368	± 100	1,821	± 315	16.0%	± 2.7
18 to 34 years	12,544	± 319	2,022	± 295	16.1%	± 2.2
35 to 64 years	29,091	± 200	2,622	± 375	9.0%	± 1.3
65 years and over	10,787	± 136	909	± 198	8.4%	± 1.8
SEX						
Male	33,080	± 265	3,640	± 419	11.0%	± 1.2
Female	34,049	± 305	4,540	± 522	13.3%	± 1.5
RACE AND HISPANIC OR LATINO ORIGIN						
White alone	64,780	± 373	7,542	± 812	11.6%	± 1.2
Black or African American alone	545	± 193	174	± 106	31.9%	± 19.1
American Indian and Alaska Native alone	412	± 106	131	± 89	31.8%	± 20.3
Asian alone	409	± 110	0	± 27	0.0%	± 7.1
Hispanic or Latino origin (of any race)	912	± 120	169	± 111	18.5%	± 11.9
White alone, not Hispanic or Latino	64,115	± 361	7,456	± 806	11.6%	± 1.2
EDUCATIONAL ATTAINMENT						
Population 25 years and over	47,049	± 209	4,516	± 496	9.6%	± 1.0
Less than high school graduate	4,378	± 391	962	± 244	22.0%	± 5.1
High school graduate (includes equivalency)	15,884	± 652	1,925	± 336	12.1%	± 2.0
Some college, associate's degree	14,387	± 623	1,305	± 214	9.1%	± 1.5
Bachelor's degree or higher	12,400	± 629	324	± 109	2.6%	± 0.9
EMPLOYMENT STATUS						
Civilian labor force 16 years and over	33,662	± 658	1,850	± 284	5.5%	± 0.8
Employed	31,891	± 658	1,433	± 273	4.5%	± 0.8
Male	16,777	± 397	574	± 136	3.4%	± 0.8
Female	15,114	± 434	859	± 224	5.7%	± 1.4
Unemployed	1,771	± 271	417	± 116	23.5%	± 5.8
Male	1,100	± 183	294	± 104	26.7%	± 8.0
Female	671	± 185	123	± 67	18.3%	± 9.4
WORK EXPERIENCE IN THE PAST 12 MONTHS						
Population 16 years and over	15,114	± 434	859	± 224	5.7%	± 1.4
Worked full-time, year-round	1,771	± 271	417	± 116	23.5%	± 5.8
Worked part-time or part-year	1,100	± 183	294	± 104	26.7%	± 8.0
Did not work	671	± 185	123	± 67	18.3%	± 9.4

Source: 2011-2015 American Community Survey

13 Glossary

American Community Survey (ACS) - The American Community Survey is an ongoing survey of the population that provides data every year on a variety of social and economic characteristics—age, sex, race, family and relationships, income and benefits, health insurance, education, veteran status, disabilities, where you work and how you get there, where you live and how much you pay for some essentials. The ACS replaced the information previously gathered by what was known as the "long form" of the decennial censuses. The ACS provides communities, companies and other institutions with current information they need to plan investments and services. Information from the survey generates data that help determine how more than $400 billion in federal and state funds are distributed each year. Every estimate presented in the American Community Survey, as in other surveys, has an uncertainty associated with it. Often the magnitude of that uncertainty is expressed as the Margin of Error.

Confidence Interval (CI) - indication of the degree of uncertainty about a sample estimates. Confidence intervals have been traditionally reported at the 90, 95 and 99 percent levels. A 90 percent confidence interval can be interpreted, for example, roughly as providing 90 percent certainty that the interval defined by the upper and lower bounds contain the true value of the characteristic. If a Margin of Error is given, the lower bound of the confidence interval is equal to the estimate minus the Margin of Error and the upper bound is equal to the estimate plus the Margin of Error. (See further, Margin of Error definition below.)

County subdivision or Minor Civil Division (MCD) - The Census Bureau geography for primary administrative units below the county level in New York is collectively referred to as county subdivisions or minor civil divisions. These include towns, cities and Indian Reservations.

Decennial Census - the Census of the population and housing taken every 10 years in the United States, at the start of each decade, since 1790.

Employed – either "at work" or "with a job, but not at work".

Group Quarters Population - all U.S. residents who live in group living facilities including correctional institutions, juvenile facilities, skilled nursing facilities, college residence halls, military barracks, group homes, and workers' dormitories.

Household Population - all U.S. residents who live in housing units such as single family homes, townhouses, apartments, and mobile homes.

Intercensal Population Estimates - estimates produced for the years between two decennial censuses when both the beginning and ending populations are known. They are produced once a decade by adjusting the existing time series of postcensal estimates for the entire decade to smooth the transition from one decennial census count to the next. They differ from the postcensal estimates that are released annually because the difference between the April 1 postcensal estimate and April 1 census count for the end of the decade is redistributed across the estimates for that decade. For dates when both postcensal and intercensal estimates are available, intercensal estimates are preferred.

Labor Force - consists of people classified as employed or unemployed.

Margin of Error (MOE) - a measure of the precision of an estimate at a given level of confidence. The confidence level of a margin of error indicates the likelihood that the difference between the population value (which you

would get if you could measure the whole population instead of a sample) and the estimate is less than or equal to the margin of error. The range from the estimate minus the margin of error to the estimate plus the margin of error is called the confidence interval. All ACS estimates are published with their margins of error at the 90 percent confidence level. Margins of error are useful in assessing the reliability of estimates and whether differences between estimates are significant.

Numeric Population Change - difference between the population of an area at the beginning and end of a time period. It is computed by taking the difference between the population at one point in time (t1) and some future time (t2).

Percent Population Change - difference between the population of an area at the beginning and end of a time period, expressed as a percentage of the beginning population. It is computed by dividing the population change (t2 - t1) by t1 and multiplying the result by 100.

Population Estimates - The calculated number of people living in an area as of a specified point in time, usually July 1st. The estimated population is calculated using a component of change model that incorporates information on natural increase (births, deaths) and net migration (net domestic migration, net international migration) that has occurred in an area since the latest decennial census. A procedure for estimating the current population using a procedure involving a "base population" value at time t -1, adding to that the births during the interval t-1 to t, subtracting the deaths during that interval t-1 to t, and then adding the net domestic and net international migration that occurred during that interval.

Population Density - Total number of people per areal unit like a square mile or square kilometer.

Population Pyramids - A graphical way of portraying a population's age and sex composition at a given slice in time. The first horizontal bar, constituting the base of the graph, is the youngest age group (typically 0-4) with the number of males in that age group on the left and the number of females in that age group on the right. On top of that age group is another horizontal bar for the next age group (e.g. 5-9) and so forth with the top bar typically for those aged 75 and over. In a population with lots of births and deaths, the shape typically forms a pyramid with a broad base and a narrow top. It is one of the most basic ways to understand population change over time as well as between different geographic units of a similar status (e.g. counties).

Postcensal Estimates - estimates produced for the years after a decennial census when only the beginning population is known. They are produced and revised each year, targeted to July 1 of that year.

Projection - estimated population at some future time based on assumptions about births, deaths, migration, and ages.

Race/Ethnicity - the Census Bureau collects racial data in accordance with guidelines provided by the U.S. Office of Management and Budget (OMB), and these data are based on self-identification. The racial categories included in the census questionnaire generally reflect a social definition of race recognized in this country and not an attempt to define race biologically, anthropologically, or genetically. In addition, it is recognized that the categories of the race item include racial and national origin or sociocultural groups. People may choose to report more than one race to indicate their racial mixture, such as "American Indian" and "White." People who identify their origin as Hispanic, Latino, or Spanish may be of any race. OMB requires five minimum categories: White, Black or African American, American Indian or Alaska Native, Asian, and Native Hawaiian or Other Pacific Islander. Hispanics may be classified as white or black. So we generally separate them out as an ethnic group first.

Unemployed – Not employed, but actively looking for work and available to accept a job.

Unemployment rate – Fraction of the Labor Force that is unemployed.

Urban Area – A densely settled area with at least 2,500 people. If the total number of people is less than 50,000 the Census Bureau calls it an Urban Cluster, otherwise an Urbanized Area.

Vintage - each year, the U.S. Census Bureau produces and publishes estimates of the population for each state and county, as well as the nation as a whole. These are called "vintages." In producing these vintages, the Bureau utilizes administrative data from a number of sources to estimate 1) the change in population since the most recent decennial census, and 2) the population for each year since the most recent decennial census. With each annual release of population estimates (vintage), the entire time series of estimates beginning on April 1, 2010 is revised and updated.

Vital Statistics - quantitative data concerning a population, such as the number of births, marriages, and deaths.

14 References

Madison County homepage: https://www.madisoncounty.ny.gov/

At Cornell:

- Program on Applied Demographics (PAD)
  URL: http://pad.human.cornell.edu/
  - More county trends: https://pad.human.cornell.edu/counties/trends1geo.cfm?geo=53
- Community and Regional Development Institute (CaRDI)
  URL: https://cardi.cals.cornell.edu/
- Cornell Cooperative Extensions (CCE)
  Home page: http://www.cce.cornell.edu
  - Madison local office: http://www.madisoncountycce.org/

Data sources and background information:

- New York State Data Center
  - https://labor.ny.gov/nys-data-center/index.shtm
- U.S. Census Bureau - general
  - QuickFacts: https://www.census.gov/quickfacts/table/PST045216/36,36053
  - American FactFinder: http://factfinder.census.gov/
- U.S. Census Bureau - population
  - Decennial Census
    - Background: https://www.census.gov/2010census/
    - Demographic Profile:
      http://factfinder2.census.gov/bkmk/table/1.0/en/DEC/10_SF1/SF1DP1/0500000US36053
  - American Community Survey (ACS)
    - Background: https://www.census.gov/programs-surveys/acs/
    - Social Data Profile:
      http://factfinder2.census.gov/bkmk/table/1.0/en/ACS/15_5YR/DP02/0500000US36053
    - Economic Data Profile:
      http://factfinder2.census.gov/bkmk/table/1.0/en/ACS/15_5YR/DP03/0500000US36053
    - Housing Data Profile:
      http://factfinder2.census.gov/bkmk/table/1.0/en/ACS/15_5YR/DP04/0500000US36053
    - Demographics Data Profile:
      http://factfinder2.census.gov/bkmk/table/1.0/en/ACS/15_5YR/DP05/0500000US36053
  - Population estimates:
    - General: https://www.census.gov/programs-surveys/popest.html
    - Explorer: https://www.census.gov/censusexplorer/censusexplorer-popest.html
- U.S. Census Bureau – Small Area Income & Poverty Estimates (SAIPE)
  - http://www.census.gov/did/www/saipe/
- U.S. Census Bureau - Public Use Quarterly Workforce Indicators (QWI) – annual averages
  - https://qwiexplorer.ces.census.gov/static/explore.html
- U.S. Census Bureau – Building Permits Survey
  - https://www.census.gov/construction/bps/

- Bureau Labor Statistics (BLS)
  - Local Area Unemployment Statistics: http://www.bls.gov/lau/
  - Quarterly Census of Employment and Wages (QCEW): https://www.bls.gov/cew/data.htm
- NY Department of Labor -
  - Labor statistics: https://labor.ny.gov/stats/index.shtm
  - Quarterly Census of Employment and Wages (QCEW): https://labor.ny.gov/stats/LSQCEW.shtm
- NY State Department of Health
  - Vital Statistics: https://www.health.ny.gov/statistics/vital_statistics/
- Bureau of Economic Analysis (BEA) – Local Area Personal Income and Employment: http://bea.gov/iTable/iTable.cfm?ReqID=70&step=1

Alternative sites for data retrieval:

- The Nelson A. Rockefeller Institute of Government – New York State Statistical Yearbooks
  http://www.rockinst.org/nys_statistics/
- Headwaters Economics: Economic Profile System – Human Dimensions Toolkit
  http://headwaterseconomics.org/tools/eps-hdt
- National Historical Geographic Information System (NHGIS)
  https://www.nhgis.org/
- Social Explorer
  http://www.socialexplorer.com/pub/home/home.aspx
- Stats America
  http://www.statsamerica.org/Default.aspx
- Missouri Census Data Center
  http://mcdc.missouri.edu/
- DataFerret
  http://dataferrett.census.gov/
- Investigative Reporters and Editors (IRE) Census project
  http://census.ire.org/