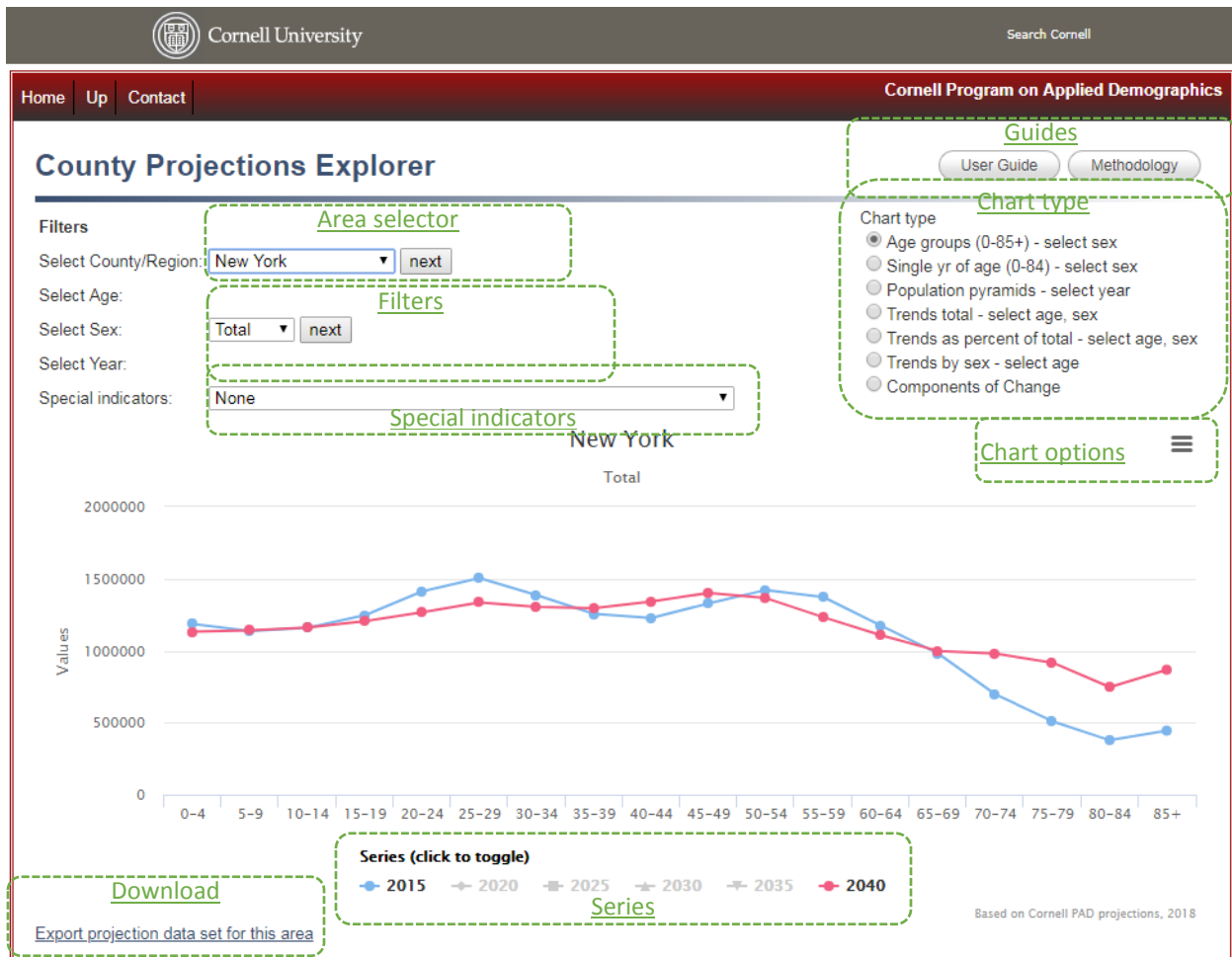


COUNTY PROJECTIONS USER GUIDE

SECTIONS OF THE PROJECTIONS EXPLORER WEB PAGE

This document is a user guide that goes with the NY county population projections produced by Cornell Program on Applied Demographics and that can be found at: <https://pad.human.cornell.edu/counties/projections.cfm>

The different sections on the Projections Explorer page are indicated with a green box, each of the sections are described below.



GUIDES

These buttons let you download this document and a methodology description.

AREA SELECTOR

The drop down box lets you select your area of interest. The list starts with New York State, followed by the 62 Counties and the 10 Economic Regions in New York. A full list of options is in [Appendix A](#). It also describes how to use the area codes to create a deeplink to the projections of your area of interest.

FILTERS

Depending on the chart type, you can select sex and age group to see trends for a particular sub-group. The options for the age groups are listed in [Appendix B](#). The relation between chart type and enabled filters is in [Appendix C](#).

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One of the chart types is “Population Pyramids”, this displays the sex/age composition in a particular year and for that chart type, you can choose the year displayed in the Filters section.

SPECIAL INDICATORS

The projections produce counts of population by sex and age. Demographers and others look at derived indicators to more easily summarize how the population is changing. Looking at these indicators also is important in a review process as they sometimes highlight issues with the data.

Optional special indicators included are:

- Sex ratio: the number of males per 100 female
- Child-Woman ratio: Children age 0-4 per 1,000 women age 15-49
- Median age: the age for which 50% of the population is younger and 50% is older

Which Special indicators are enabled depends on the chart type and is specified in [Appendix C](#).

CHART TYPE

There are different ways to visualize the projection data. For example, differences between age groups can best be visualized by Age group or with population pyramids, whereas trends over time require other ways to visualize.

[Appendix C](#) specifies in more detail what the differences of each of the chart types are, but experimenting is much more fun.

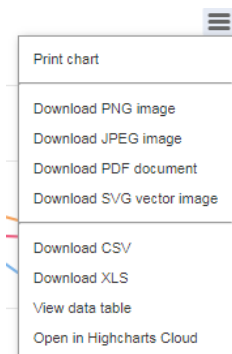
Besides population counts, the projections also produce information on the components of change (Births, Deaths and Migration). The “Components of Change” chart type provides you with a chart with the trends in these components. Data on these components of change is NOT part of the download, which will be discussed later BUT can be exported, using the chart options.

CHART OPTIONS

When you click on the three horizontal bars at the top right of the chart, a menu will popup with chart options (See figure on the right)

These options give you capabilities to print the chart, download the chart in a variety of formats and to download or view the data. The option “Open in Highcharts Cloud” is a bit experimental, but allows you to change settings like color or further manipulate the chart.

If you move your mouse over the chart, you will get information about the values at each point. You can also select an area within the chart by clicking and dragging the mouse. Upon release of the mouse, the chart zooms in to the selected area. There is a button to reset the chart when you are zoomed in.



SERIES

Some of the chart types provide multiple lines (Series). The legend for those series is underneath the chart and clicking on each of the elements in the legend toggles the visibility of the corresponding series.

DOWNLOAD

You can click at the bottom of the page to download and Excel file with the projected population by sex and age for the selected area. The codebook of the Excel file is in [Appendix D](#).

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APPENDIX A: SELECTABLE AREAS WITH GEOCODES

The link [https://pad.human.cornell.edu/counties/projections.cfm?county=\[geocode\]](https://pad.human.cornell.edu/counties/projections.cfm?county=[geocode]) can be used to create a link to projections for a certain area, for example:

<https://pad.human.cornell.edu/counties/projections.cfm?county=7000> opens up projections for New York City

Counties				Regions	
Geocode	Name	Geocode	Name	Geocode	Name
1	Albany	63	Niagara	0	New York State
3	Allegany	65	Oneida	1000	Capital Region
5	Bronx	67	Onondaga	2000	Central New York
7	Broome	69	Ontario	3000	Finger Lakes
9	Cattaraugus	71	Orange	4000	Long Island
11	Cayuga	73	Orleans	5000	Mid-Hudson
13	Chautauqua	75	Oswego	6000	Mohawk Valley
15	Chemung	77	Otsego	7000	New York City
17	Chenango	79	Putnam	8000	North Country
19	Clinton	81	Queens	9000	Southern Tier
21	Columbia	83	Rensselaer	10000	Western NY
23	Cortland	85	Richmond		
25	Delaware	87	Rockland		
27	Dutchess	89	St. Lawrence		
29	Erie	91	Saratoga		
31	Essex	93	Schenectady		
33	Franklin	95	Schoharie		
35	Fulton	97	Schuyler		
37	Genesee	99	Seneca		
39	Greene	101	Steuben		
41	Hamilton	103	Suffolk		
43	Herkimer	105	Sullivan		
45	Jefferson	107	Tioga		
47	Kings	109	Tompkins		
49	Lewis	111	Ulster		
51	Livingston	113	Warren		
53	Madison	115	Washington		
55	Monroe	117	Wayne		
57	Montgomery	119	Westchester		
59	Nassau	121	Wyoming		
61	New York	123	Yates		

APPENDIX B: SELECTABLE AGE GROUPS

The table underneath lists the available options for the age filter.

5 year age groups	Special age groups
0-4	Total
5-9	0-17
10-14	5-13
15-19	14-17
20-24	18-64
25-29	18-24
30-34	25-44
35-39	45-64
40-44	65+
45-49	85+
50-54	16+
55-59	18+
60-64	15-44
65-69	
70-74	
75-79	
80-84	
85+	

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APPENDIX C: CHART TYPES

The table underneath shows the different chart types in more detail and lists what special indicators and filters are enabled for each of the types. A '-' means not applicable.

	Chart type	Horizontal axes	Default indicator	Special indicators	Series	Filters enabled
Age groups	Line	Age (5-year age groups)	Person count	Sex ratio	Year (5 year steps)	Sex
Single yr of age	Line	Age (single years of age)	Person count	Sex ratio	Year (5 year steps)	Sex
Population pyramids	Horizontal Bar	Person count	Age (5-year age groups)	-	Sex	Year
Trends total	Line	Year	Person count	Sex ratio, Child woman ratio, Median age	-	Age, Sex
Trends as percent of total	Line	Year	Person count	-	-	Age, Sex
Trends by sex	Line	Year	Percent of total population	Median age	Sex	Age
Components of Change	Line	Year	Person count	-	Births, Deaths, Natural Increase, Net Migration	-

APPENDIX D: DOWNLOAD FILE CODEBOOK

The file you can download with projection results has a default name of padprojections[geocode].xls, where geocode is the geocode as defined in Appendix A. The projection model allows for implementation of projecting multiple race groups (or other subgroups), but for this set of projections we decided not to.

The table underneath explains the meaning of each of the columns in the downloaded file.

Column name	Description
COUNTY	Geocode of the area (See Appendix A)
COUNTY_DESCR	Name of the area (See Appendix A)
SEXCODE	Numeric code for sex. Possible values 0, 1, 2
SEX_DESCR	The description going with the SEXCODE
AGEGRPCODE	Numeric code for age. Possible values (-999, 0-85, 999). The special codes are used for Total Population (Code -999) and Median Age (Code 999)
AGEGRP_DESCR	The description going with AGEGRPCODE
RACECODE	Numeric code for race. In this set of projections always equal to 0 (Total)
RACE_DESCR	The description going with RACECODE
YR_2015 through YR_2040	The count of persons in the subgroup defined by county/sex/age/race from year 2015 through 2040. For AGEGRPCODE 999 (Median age) the values are the median age.