

Hunter College - CUNY  
Department of Geography  
Nature of New York

## Exercise 10: POPULATION

**REQUIRED** 

Due date: **March 9, 2018** Late submission will be penalized.

**PURPOSE:** This exercise looks at the current population distribution of NYS and at some issues pertaining to the state's population growth patterns, health and aging.

### INTRODUCTION:

This exercise has **three parts** relating to various aspects of NYS's statewide and county-specific population. Data may be presented in **CHART FORMAT** providing the lines and columns for NYS and each of your counties are clearly identified. Get data from:

- **2010 US Census:** <https://www.census.gov/> and **US census geography:** <https://www.census.gov/geo/maps-data/>
- **American Community Survey (ACS):** <http://www.census.gov/acs/www/#>,
- **American Fact Finder System:** [http://factfinder2.census.gov/faces/nav/jsf/pages/community\\_facts.xhtml](http://factfinder2.census.gov/faces/nav/jsf/pages/community_facts.xhtml)
- **US Census New York Quick Facts:** <https://www.census.gov/quickfacts/NY>
- **Social Explorer:** <https://www.socialexplorer.com/>
- **NY Times Interactive Census Map:** <http://www.nytimes.com/projects/census/2010/map.html>

**Empire State Development** (<https://esd.ny.gov/>) is a state corporation that keeps tabs on the state's economic development. The **New York State Data Center** in the Labor Dept. (<https://labor.ny.gov/nys-data-center/>) is the state's primary and most comprehensive source for economic and demographic data, tracking the trends in the State, its businesses and people. Population data goes hand-in-hand with economic development.

**Cornell University Program on Applied Demographics** collects and analyzes NYS demographic data (<http://pad.human.cornell.edu/index.cfm>). Use the **county profile** and **sub-county profile** links at this site to read about your three counties: (<http://pad.human.cornell.edu/profiles/index.cfm>).

**Hunter College Library:** You can get to the **Social Explorer** website and other geography-useful resources by going through the Hunter College Library:

<http://libguides.library.hunter.cuny.edu/content.php?pid=129327&sid=1109414>.

### NOTE:

- Remember to use the **PERCENT** column to compare county data to each other and to New York State.
- Please clearly label your answers using **Part and Question** numbers along with any supporting documents AND remember to do all 3 parts.
- **You must write out in paragraph format any analysis requested.**

### CAUTION:

Many of census reports are **LARGE** files. For example, the US Census for NYS is **558 pages** long!! If you must print, **SELECT A SPECIFIC PAGE SPREAD** before you hit the print button.

**ASSIGNMENT: There are 3 major parts to this assignment.**

**PART I – Population Change**

Do QI-1, QI-2, and QI-3 on the map.

Get the map for Q1 from the course home page or photocopy the one in your syllabus:

(<http://www.geo.hunter.cuny.edu/courses/geog260/NYS%20County%20Outline%20Map%20with%20names.pdf>)

**QI-1. Title your map: “Percentage Change in Population 2000-2010.”**

**A. For county data go to [https://www.dot.ny.gov/divisions/policy-and-strategy/darb/dai-unit/ttss/repository/CensusPop2010\\_PL94-171county.pdf](https://www.dot.ny.gov/divisions/policy-and-strategy/darb/dai-unit/ttss/repository/CensusPop2010_PL94-171county.pdf). Scroll down to view all counties.**

**B. For b1 to b4, include the 5 counties of NYC in your survey**

1. Shade in **yellow** the state’s **10 most** populous counties in 2010.
2. Shade in **blue** the state’s **10 least** populous counties in 2010.
3. Use a **plus sign (+)** to indicate the five (5) counties within NYS with the **largest percentage increase** in population 2000 - 2010.
4. Use the **letter X (x)** to indicate the five (5) counties within NYS with the **largest percentage decrease** in population 2000 - 2010.

**QI-2. Add the percentage change for the State of New York under the title.**

**QI-3. Add a key to your map.**

**Parts II and III may be done in chart format.**

**PART II – Population Characteristics**

US Census data: NYS Quick Facts <http://quickfacts.census.gov/qfd/states/36000.html>,

*NY Times* Interactive Census Map:

<http://www.nytimes.com/projects/census/2010/map.html>. To see NYS counties in “% change”, set the sliding scale to the 4<sup>th</sup> line from the left. Slide the cursor over the state to call up data for your counties.

**>>Use the map from Part I for QII.1.**

**QII.1 Outline and label your three counties on the map used in Part 1.**

**>>Construct a chart for QII.2:**

**QII.2**

**Line 1. NAMES:** Use the following headings: X County // Y County // Z County // NYS // USA

**Line 2. HEADCOUNTS:** Enter the 2010 headcounts for the 3 counties, NYS and USA.

**Line 3. PERCENT CHANGE.** Enter the % change from 2000 Census headcount for each.

**Line 4. Age 1.** Note **percentage in the 65 and older category** for each.

**Line 5. Age 2.** Note **percentage in the under 5 to 14 years category** for each

**Line 6. Race/Ethnicity 1.** Provide data for each entry showing **% share of 2010 population by race and ethnicity.**

**Line 7 Race/Ethnicity 2.** Provide data for each entry showing **% change from 2000 census.**

**Lines 8, 9, 10, 11. Use your choice of categories in (a) below.**

- a) From **US Census New York Quick Facts** <https://www.census.gov/quickfacts/NY> for each of your counties **select 4** entries below the “Population” headings as follows: **two** from **People Category** and **two** from **Business Category**. **Add these to your chart.** *First look over the New York State Quick Facts data that is compared to the data for the United States. [The circled question marks to the left explain each line.] Then do the same for your 3 counties comparing the data to that of NYS. [Use the drop-down box to select your counties; you can also use the index map at [http://quickfacts.census.gov/qfd/maps/new\\_york\\_map.html](http://quickfacts.census.gov/qfd/maps/new_york_map.html).]*
- b) In **paragraph form** analyze these numbers, noting any similarities and differences between the counties, the State and the US by comparing the data (percentage) the same data for the five units. Make observations how similar or different your counties are to the state and national averages.

### **PART III – Health** (Medical Geography)

Go to the NYS Department of Health site at <https://www.health.ny.gov/>. At the bottom box click on **Local Health Departments** to read about your counties. **Community Health Indicator Reports (CHIRS)** <https://www.health.ny.gov/statistics/chac/indicators/> and **County Health Assessment Indicator (CHAI)** [https://www.health.ny.gov/statistics/chac/indicators/county\\_list.htm](https://www.health.ny.gov/statistics/chac/indicators/county_list.htm). Click on it to see the map or list to get county information.

**Review the profile for each of your counties.** You can also use the **Tables** at the end of the Vital Statistics list [http://www.health.ny.gov/statistics/vital\\_statistics/](http://www.health.ny.gov/statistics/vital_statistics/). Review the NYS Health Indicator Profile (CHAI) by county at <http://www.health.ny.gov/statistics/chac/indicators/>.

**QIII-1. List the major illnesses that are prevalent in your three counties.** (Be sure to look at the headcount in addition to percent to see the categories with the great number of affected people.)

**QIII-2. Compare your three county profiles to NYS’s profile by making a statement** as to how they are they similar or different from that of NYS in types of afflictions.

**QIII-3. List the forms of cancer that have an above average occurrence and a below average occurrence in your three counties.** Find the information by going to <https://www.health.ny.gov/statistics/>. Click on the **Cancer Registry** link on the left side bar and to go to that site. Then click on maps of **Cancer Incidents by County** link.

**QIII-4. Find and discuss similar information for two non-cancer illnesses or conditions,** such as asthma or West Nile disease on the **Statistics and Data** page or the A-Z pull down <https://www.health.ny.gov/healthaz/#H>.

**QIII-5. Compare the health care coverage in your three counties.** Select any two categories for the three county comparisons.

- **The New York Physician Workforce Profile, 2014 ed.** Published in 2015 is at [http://www.chwsny.org/wp-content/uploads/2015/07/2014\\_NY\\_Physician\\_Profile\\_Full\\_Version.pdf](http://www.chwsny.org/wp-content/uploads/2015/07/2014_NY_Physician_Profile_Full_Version.pdf). **This is a 244 report.**

*This VERY LONG report provides detailed profiles of New York’s physician workforce by specialty, specialty group, county, and region, including urban and rural counties. It covers age distribution, active patient care FTEs per 100,000 people, percent underrepresented minority, health status indicators, and more by county.*

- **The Health Care Workforce in New York, 2014 Trends in Health Care Work Force:** <http://nyachnyc.org/wp-content/uploads/2015/10/CHWS-Supply-and-Demand-Report.pdf> (This is a 177 page report)

Continued>>

- **The Doctor Can't See You Now: Results of HANYS' Physician Advocacy Survey (2011).**  
The Healthcare Association of New York State report is located at [http://www.hanys.org/communications/publications/2011/2012-01-18\\_physician\\_survey\\_results\\_2011\\_electronic.pdf](http://www.hanys.org/communications/publications/2011/2012-01-18_physician_survey_results_2011_electronic.pdf)

**Check the maps to see if any of your counties are mentioned.  
If so, note the categories in your response and the possible implication for the future as part of your assessment.**

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