

Hunter College of the City University of New York  
Department of Geography  
Geography of New York State

Exercise 14 (REQUIRED)

Population

Due by November 27, 2012 (*late submission may be penalized*)

*The purpose of this exercise is to look at the current population distribution of NYS and at some issues pertaining to the state's population growth patterns, health and aging. Data from 2010 Census along with the American Community Survey (ACS) and American FactFinder System which provide updated information from on-going surveys outside of the census. Remember, you can get to the Social Explorer web site that was introduced during the class library session by going through the Hunter College Library home page:*

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

*Empire State Development (<http://www.empire.state.ny.us/NYSDataCenter.html>) is a state corporation that keeps tabs on the state's economic development. Its New York State Data Center is the state's primary and most comprehensive source for economic and demographic data, tracking the trends of the State of New York, its businesses and people. Population data goes hand-in-hand with economic development.*

*The Cornell Program on Applied Demographics (<http://pad.human.cornell.edu/index.cfm>) collects and analyzes NYS demographic data. Use the county data option at this site.*

NOTE:

This exercise has FOUR parts relating to various aspects of NYS population. Data may be presented in **CHART FORMAT** providing the lines and columns for NYS and each of your counties are clearly identified. *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 4 parts. **You must write out in paragraph format any analysis requested.**

CAUTION:

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

HELPFUL LINKS:

Complete NYS report (558 pages long) is found at:

[http://www.empire.state.ny.us/NYSDataCenter/Data/Census2010/Profiles/NY\\_050\\_2010\\_PROFILE.pdf](http://www.empire.state.ny.us/NYSDataCenter/Data/Census2010/Profiles/NY_050_2010_PROFILE.pdf)

Individual county files:

<http://www.empire.state.ny.us/NYSDataCenter/Data/Census2010/IndividualCountyFiles100Data2010.html>

County census data from 1790 to 1990:

[http://www.empire.state.ny.us/NYSDataCenter/Data/Population\\_Housing/CountyPopHistory.pdf](http://www.empire.state.ny.us/NYSDataCenter/Data/Population_Housing/CountyPopHistory.pdf)

# ASSIGNMENT

## PART I – Population Change

For *Census 2010* data go to <http://www.empire.state.ny.us/NYSDataCenter.html>, the NYS Data Center website. *Direct link:* <http://www.empire.state.ny.us/NYSDataCenter/Census2010.html>

Do QI-1, QI-2, QI-3 and QI-4 on the map. **Get the map for QI-4 from the 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 the map: “Percentage Change in Population 2000-2010.”**

- a. **Outline** your three counties on the map.
- b. 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.** For this question, you must **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 between 2000 and 2010.
  4. Use the **letter X (x)** to indicate the five (5) counties within NYS with the **largest percentage decrease** in population between 2000 and 2010.

**QI-2. For each of your three counties**, place the percentage difference in growth within county boundaries on the map.

**QI-3. Note the percentage increase for NYS** as a whole on the side of the map.

**QI-4. Add a key** to your map.

## PART II – Population Characteristics

### **Census data:**

[http://www.empire.state.ny.us/NYSDataCenter/Data/Census2010/Profiles/NY\\_050\\_2010\\_PROFILE.pdf](http://www.empire.state.ny.us/NYSDataCenter/Data/Census2010/Profiles/NY_050_2010_PROFILE.pdf)

Use the + sign on the PDF to increase the size of the print.

**NY Times Interactive Census Map:** <http://projects.nytimes.com/census/2010/map>: 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.

### **Another helpful site is**

[http://www.empire.state.ny.us/NYSDataCenter/Data/Population\\_Housing/2008CountyPopulationEstimatesbyAgeandSex.pdf](http://www.empire.state.ny.us/NYSDataCenter/Data/Population_Housing/2008CountyPopulationEstimatesbyAgeandSex.pdf).

**QII-1.** List your three counties from **largest to smallest** with their 2010 headcounts.

**QII-2.** a) Which one of your counties has the oldest population **by percentage**?  
b) Which has the youngest **by percentage**?

**QII-3.** List your counties by **largest to smallest** percent of population in each of the following categories:

- a) under 5 to 14 years category
- b) 65 yrs and over category

**QII-4.** Provide **Race/Ethnicity** data for each county showing **% share of 2010 population** and **% change from 2000 census**.

**QII-5.**

- a) **Provide a copy** of the 2000, 2010 and 2020 pyramids for **NYS** and for **each of your counties**. Attach it or incorporate it into your analysis of change below. (*Do this by studying the population pyramids for your counties and NYS at <http://pad.human.cornell.edu/counties/projections.cfm>. Click on the **YEAR** buttons: 1990, 2000, 2010 2015, 2020, etc and observe the change in shape. Scroll down the page to view numbers. The first three are based on census figures; the rest are guesstimates.*)
- b) **Write a statement comparing the changing population of your counties based census data and the changing shapes of the pyramids.**

**QII-6.**

- a) For each of your counties **select four** entries below the “Population” headings as follows: from the **US Census Quick Facts** page at <http://quickfacts.census.gov/qfd/states/36000.html> select **two** from **People Category** and **two** from **Business Category**. *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 three 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 chart format, compare the data from your 3 counties to the US and NYS averages.** Make a statement 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.

PART III – Aging

The NYS Department of Aging (NYSOFA) site is at <http://www.aging.ny.gov/>.

Read the Executive Summary of the *NYSOFA Four Year Plan (2007-2011) on Aging* at the following sites:

<http://www.aging.ny.gov/NYSOFA/4YearPlan/FourYearPlan-ExecutiveSummary.doc>  
[http://www.aging.ny.gov/NYSOFA/4YearPlan/4YearPlan-FinalAppendix8-20-07\\_1.doc](http://www.aging.ny.gov/NYSOFA/4YearPlan/4YearPlan-FinalAppendix8-20-07_1.doc)

**QIII-1.** Go to <http://www.aging.ny.gov/ReportsAndData/CountyDataBooks/index.cfm> and review each of the 5 page reports for NYS and your three counties.

- a) **Compare the trends in your three counties with that of NYS. Then make a statement comparing the 4 data books.**
- b) **Which one of your counties is likely to experience the largest growth of people in the 60+ group category?**

**QIII-2.** Go to <http://www.aging.ny.gov/NYSOFA/LocalOffices.cfm>. Scroll down to get information from your county’s Office of Aging. (*If you are directed to the county’s home page, type “aging” into the search box of the home page.*)

- a) **Give a summary of the older population situation found in each of your counties.**
- b) **Indicate what each county is doing for their older citizens.**

## PART IV - Health

Go to the NYS Department of Health site at <http://www.health.state.ny.us>. On the lower right side bar, click on **Statistics and Data** then scroll down to **County Health Indicator Profiles (CHIP)**. Click on it to see the map of counties.

**Review the profile for each of your counties.** You can also use the **Tables** at the end of the **Vital Statistics** list. **Review the NYS Health Indicator Profile** (*last on the list*).

**QIV-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.*)

**QIV-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.

**QIV-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 <http://www.health.state.ny.us/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.*

**QIV-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 through the "A-Z Index" tab at the top, or **Diseases and Conditions** button on the right side bar.

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

See the **Annual New York Physician Workforce Profile, 2010 ed.** at <http://chws.albany.edu/archive/uploads/2012/07/nyphysprofile2010.pdf>

*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.*

Also look over the short report from the Healthcare Association of New York State: **The Doctor Can't See You Now: Results of HANYS' Physician Advocacy Survey (2011)**. 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.

The 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)

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