

The New York State Health Workforce Planning Data Guide

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Purposes of the Data Guide

- Provide information on the supply of and demand for the health workforce
- Enhance public policy discussion on the health care workforce
- Help identify health workforce needs to guide potential new training initiatives

Purposes of the Data Guide

- Collect data from multiple data sources
- Display the data for a variety of geographic areas
- Allow users to compare data across multiple geographies

“Helps Tell the Story”

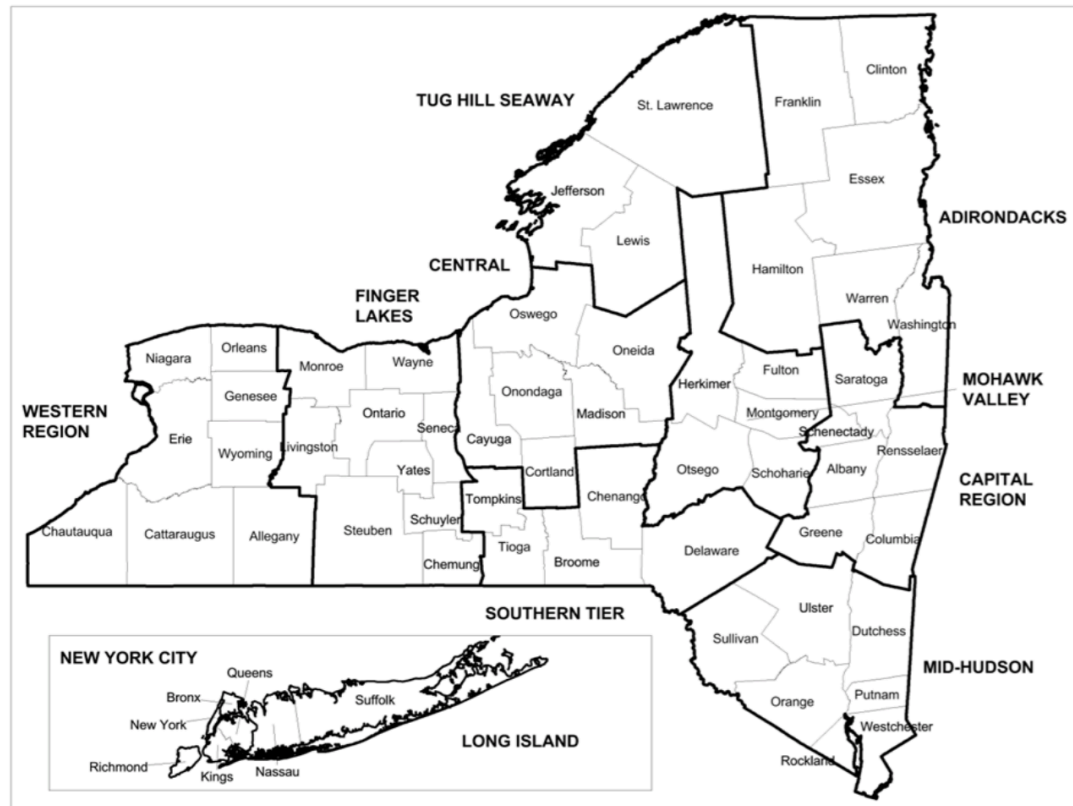
Multiple Data Sources

- Demographics
- Health Status and Behaviors
- Health Outcomes
- Health Care System

Interactive Data Guide Overview

REGIONAL BREAKDOWN

Information in this data guide is presented for the entire state, for Downstate (New York City counties of Bronx, Kings, New York, Queens and Richmond; Nassau; Suffolk; Rockland; and Westchester counties), for Upstate New York (all remaining 53 counties), by 11 state regions (as depicted below), and for each of the state's 62 counties. The data guide is structured such that regional information is provided and then information on each of the counties within the region.



Interactive Data Guide Overview

- An intuitive, web-based dashboard application - www.nyhealthdataguide.org
- Translates a large amount of data into meaningful and actionable information
- Applies data visualization techniques to
 - Bring data together
 - Visualize data for clarity
 - Compare data side-by-side
 - Tell a story with data
 - Share data effectively



Interactive Data Guide Features

- Uses charts to highlight independent elements and compare values:
 - Bar charts
 - Histograms
 - Side-by-side comparison
 - Highlights disparities
 - Draws quicker and more accurate conclusions
- Demo:
 - Region at a glance
 - Detailed view

Interactive Data Guide Features

- Provides users with an opportunity to personalize their view into the data
 - Creates customized reports
 - Determines the breadth and depth
 - Specifies the measures
 - Performs comparative analysis

Asthma Data

- Visualizes data in tables and charts
 - Presents related data points
 - Presents data sliced by multiple variables
 - Presents rankings
 - Provides links, tools, and tips for additional information about the measures
- Demo:
 - % adults with asthma
 - Asthma hospitalizations
 - Asthma ED visits

Workforce Data

- Speaks with numbers
 - Highlights key facts and figures
 - Selects the right numbers to tell the story
 - Keeping it simple – translates complex data into simple messages
- Demo:
 - Health occupations
 - Registered nurses
 - PCP shortage

Map Views

- Incorporates Google Maps into the graphical user interface:
 - Identifies geographic location
 - Reinforces the context for data interpretation
 - Highlights important, at-a-glance summaries
 - Presents an alternative path of interaction
- Demo:
 - Region at a glance
 - Detailed view

Interactive Data Guide Features

- Provides enhanced data sharing capability
 - One-click downloads to export data in machine readable format
 - Makes valuable data available for other applications
 - Plans to offer APIs for web developers to create their own dashboards, mash-ups and other visualization apps

Using Data Visualization

- Interactive data visualizations are more attractive, and make it possible to:
 - Link maps, tables, charts and graphs together into an integrated dashboard application
 - Capture the users' attention
 - Offer tools to make sense of the data
 - Provide a more engaging and productive user experience

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www.nyhealthdataguide.org