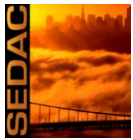
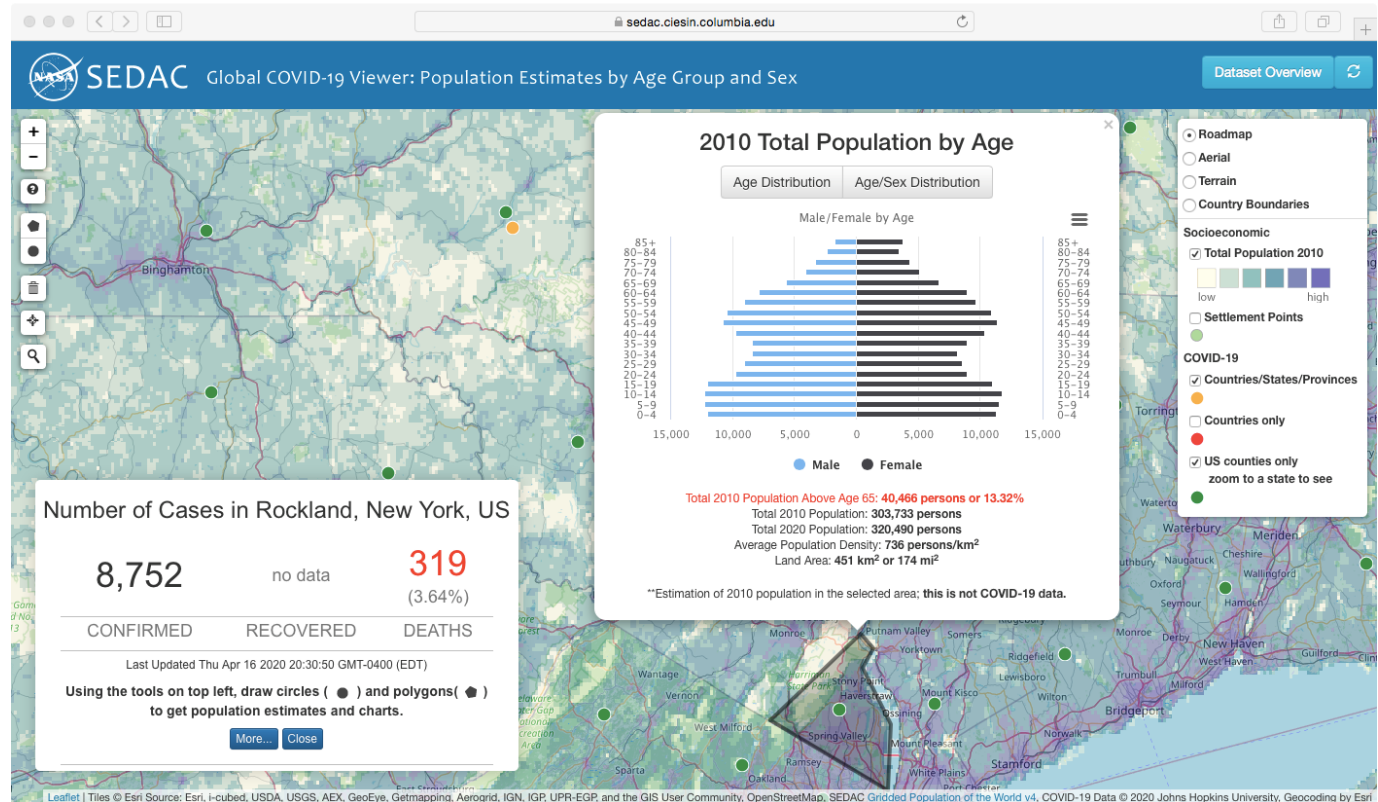


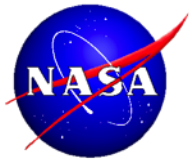
# SEDAC Global COVID-19 Viewer



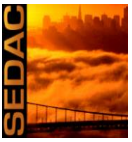
- Just released late last week
- Aimed at providing relevant population/age structure data for areas of interest, both currently and potentially affected by COVID-19
- Based on existing Population Estimation Service and client
- Pulls in Johns Hopkins University data via API



<https://sedac.ciesin.columbia.edu/mapping/popest/covid-19/>



# SEDAC Global COVID-19 Viewer



sedac.ciesin.columbia.edu

SEDAC Global COVID-19 Viewer: Population Estimates by Age Group and Sex Dataset Overview

### 2010 Total Population by Age

Age Distribution | Age/Sex Distribution

**Total**

Total 2010 Population Above Age 65: **1,948,577 persons or 12.75%**  
 Total 2010 Population: **15,273,844 persons**  
 Total 2020 Population: **15,183,881 persons**  
 Average Population Density: **2,649 persons/km<sup>2</sup>**  
 Land Area: **5,777 km<sup>2</sup> or 2,231 mi<sup>2</sup>**

\*\*Estimation of 2010 population in the selected area; this is not COVID-19 data.

**Roadmap**

- Roadmap
- Aerial
- Terrain
- Country Boundaries

**Socioeconomic**

- Total Population 2010
- low high
- Settlement Points

**COVID-19**

- Countries/States/Provinces
- Countries only
- US counties only zoom to a state to see

### Number of Cases in New York City, New York, US

123,146	no data	11,477 (9.31%)
CONFIRMED	RECOVERED	DEATHS

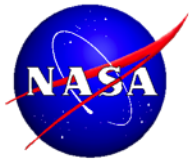
Last Updated Thu Apr 16 2020 20:30:50 GMT-0400 (EDT)

Using the tools on top left, draw circles ( ● ) and polygons ( ◆ ) to get population estimates and charts.

[More...](#) [Close](#)

Leaflet | Tiles © Esri Source: Esri, i-cubed, USDA, USGS, AEX, GeoEye, Getmapping, Aerogrid, IGN, IGP, UPR-EGP, and the GIS User Community, OpenStreetMap, SEDAC Gridded Population of the World v4, COVID-19 Data © 2020 Johns Hopkins University, Geocoding by Esri

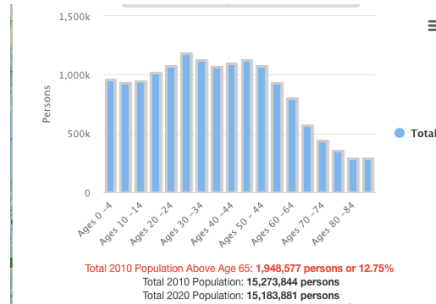
<https://sedac.ciesin.columbia.edu/mapping/popest/covid-19/>



# SEDAC Global COVID-19 Viewer



## New York



## Milan

**2010 Total Population by Age**

Age Distribution | Age/Sex Distribution

Persons

**Total 2010 Population Above Age 65: 1,459,061 persons or 20.94%**  
 Total 2010 Population: 6,967,023 persons  
 Total 2020 Population: 7,226,890 persons  
 Average Population Density: 949 persons/km<sup>2</sup>  
 Land Area: 7,743 km<sup>2</sup> or 2,990 mi<sup>2</sup>

\*\*Estimation of 2010 population in the selected area; this is not COVID-19 data.

## Wuhan

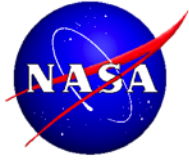
**2010 Total Population by Age**

Age Distribution | Age/Sex Distribution

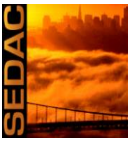
Persons

**Total 2010 Population Above Age 65: 845,859 persons or 8.2%**  
 Total 2010 Population: 10,307,296 persons  
 Total 2020 Population: 11,542,826 persons  
 Average Population Density: 1,715 persons/km<sup>2</sup>  
 Land Area: 7,026 km<sup>2</sup> or 2,713 mi<sup>2</sup>

\*\*Estimation of 2010 population in the selected area; this is not COVID-19 data.



# SEDAC Global COVID-19 Viewer



## ■ Planned developments

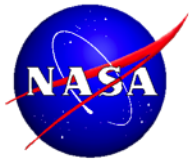
- Comparison of percent population by density class for different areas of interest
- Cumulative and proportion of population by population density class for different areas of interest
- Trends in COVID-19 cases over time and age pyramids for available administrative units
- Integration of spatial query service with other web mapping clients, e.g., GeoCollaborate

<https://frwg.geocollaborate.com/dashboard>

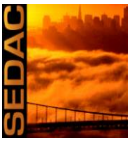
The screenshot displays the GeoCollaborate Dashboard interface. On the left, there is a sidebar with a list of data layers and overlays, including:

- HRRR SFC Smoke Fcst (ORL-2)
- Earthquakes Real-Time USGS
- WPC Sig Wx Outlook-Day1
- WPC Sig Wx Fcst-Day2
- NWS Damage Reports Yesterday
- NWS Storm Reports Today
- CA Electric Service Area
- Nashville Tornado Damage
- LIVE AirNow EPA Sensors
- EPA AirNow LIVE
- Cases\_patients
- Rest Stops Open in PA
- POTUS Dis Declaration & Requests
- National Guard

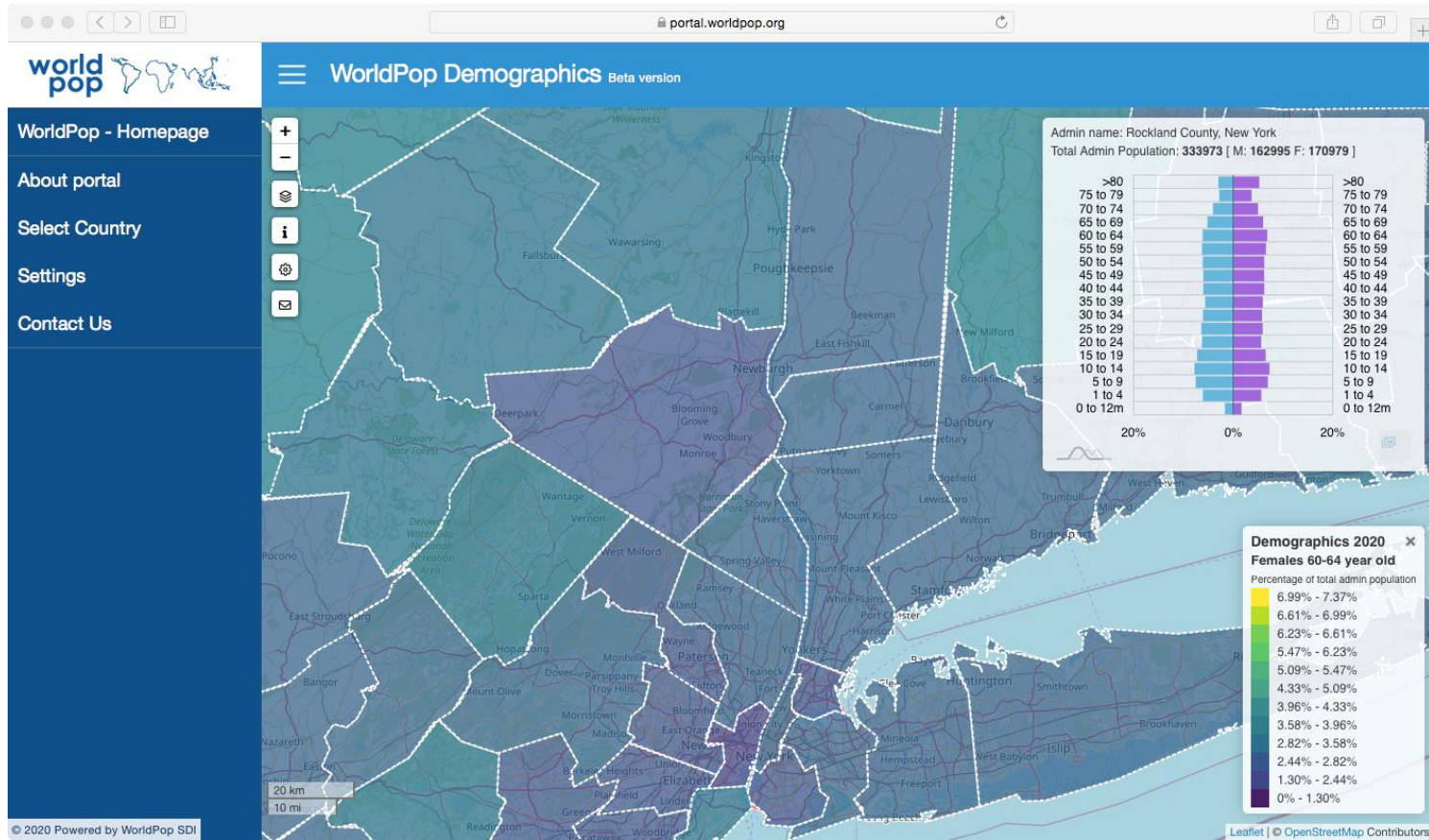
The main map area shows a geographical view of the United States with various data points and overlays. A search bar is located in the top right corner. A 'Key Points' window is open, displaying information about the FRWG SISE RT Dashboard, including a notice about major flooding expected in the spring in the upper mid-west to Gulf coast. A 'FMCSA Waiver' window is also open, listing various resources and statements related to COVID-19. At the bottom of the map, there is a 'Real-Time Trusted Data Dashboard' logo and an 'OPERATIONAL' status indicator. The bottom of the dashboard features animation controls and layer descriptions.



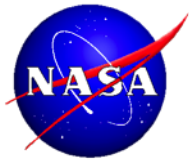
# Other Tools



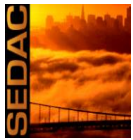
## WorldPop Demographics (Beta)



<https://www.portal.worldpop.org/demographics/>



# Other Tools



## POPGRID Mapping Tool

The screenshot displays the POPGRID Viewer interface. It features several map panels showing population density data for Cape Town and surrounding areas. A sidebar on the left lists various data layers, including GHS-Pop 2015 Count, Worldpop 2015 Count, and GPWv4.10 UN Adjusted 2015 Count. A 'Results' window is open, showing a bar chart titled 'Population Estimates by Data Set' and a table with the following data:

Source	Population Estimates
GHSL	1570029
GPWv4	1479828
Landscan	507188
Worldpop	1472674
ESRI WPE	1005505
HRSL	1560679

Below the table, there are data quality messages:

- The average national WPE reliability ranking is 2
- The average size of national input units in GPW is 1588 square kilometers
- HRSL has coverage