Staying Informed by Questioning COVID Authority

E. Lynette Rayle
Technologies

- Johns Hopkins data
- Covid API
- Question Authority for API Access
- Gruff graphing library
- Jekyll Documentation Theme
- GitHub Pages
Each bar represents 1 days of data with the graph showing all available data.
Graphs based on Johns Hopkins data

Change in Confirmed Cases for Cortland, New York, USA

Each bar represents change data for 1 day with the graph showing the last 7 days.
Graphs based on Johns Hopkins data

Change in Confirmed Cases for Cortland, New York, USA

Each bar represents 1 day of data with the graph showing the last 30 days.
Graphs based on Johns Hopkins data

Weekly Totals of Confirmed Cases for Cortland, New York, USA

Each bar represents 7 days of data.
Graphs based on Johns Hopkins data
Covid Tracker Central Areas

Cortland County, NY and Surrounding Counties
Augusta, GA Metro Area
Jefferson City, MO and Surrounding Counties
Bryan, TX and Surrounding Counties
Conroe, TX and Surrounding Counties
Oxford, TX and Surrounding Counties
Sarasota, FL and Surrounding Counties
Covid Tracker Central Areas

Cortland County, NY and Surrounding Counties
Augusta, GA Metro Area
Jefferson City, MO and Surrounding Counties
Bryan, TX and Surrounding Counties
Conroe, TX and Surrounding Counties
Oxford, TX and Surrounding Counties
Sarasota, FL and Surrounding Counties
Cortland County, NY and Surrounding Counties

Weekly Totals
Graphs for each region with all data totaled by week.
See Graphs

This Month
Graphs for each region including data from the past 30 days.
See Graphs

This Week
Graphs for each region including data from the past 7 days.
See Graphs

Since March
Graphs for each region including data since March 2020.
See Graphs
Cortland County, NY Area

Weekly Totals
This Month
This Week
Since March
By Region

All Regions

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- Tompkins, New York, USA
- Broome, New York, USA
- Onondaga, New York, USA
- Cayuga, New York, USA
- Madison, New York, USA
- Chenango, New York, USA
- Tioga, New York, USA

Cortland, New York, USA

Weekly Totals of Confirmed Cases for Cortland, New York, USA

Tompkins, New York, USA
Cortland, New York, USA

Weekly Totals Since March

![Weekly Totals of Confirmed Cases for Cortland, New York, USA](image)

Last 30 Days

![Change in Confirmed Cases for Cortland, New York, USA](image)
Weekly Totals Since March

Weekly Totals of Confirmed Cases for Cortland, New York, USA

Last 30 Days

Change in Confirmed Cases for Cortland, New York, USA
Cortland County, NY Area

Weekly Totals
This Month
This Week
Since March
By Region

Last 7 Days

Change in Confirmed Cases for Cortland, New York, USA

<table>
<thead>
<tr>
<th>Date</th>
<th>Cases</th>
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<tbody>
<tr>
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<td>Oct-24</td>
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<td>Oct-25</td>
<td>14</td>
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Change in Confirmed Deaths for Cortland, New York, USA

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<tr>
<th>Date</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oct-19</td>
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</tr>
<tr>
<td>Oct-20</td>
<td>0</td>
</tr>
<tr>
<td>Oct-21</td>
<td>0</td>
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<tr>
<td>Oct-22</td>
<td>0</td>
</tr>
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<tr>
<td>Oct-24</td>
<td>0</td>
</tr>
<tr>
<td>Oct-25</td>
<td>0</td>
</tr>
</tbody>
</table>
Since March

Change in Confirmed Cases for Cortland, New York, USA

Change in Confirmed Deaths for Cortland, New York, USA
Covid Tracker Central Areas

Cortland County, NY and Surrounding Counties
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Conroe, TX and Surrounding Counties
Oxford, TX and Surrounding Counties
Sarasota, FL and Surrounding Counties
Surrounding Counties") do
  [
    CovidTracker::RegionRegistration.for_usa(state: 'New York', county: 'Tompkins'),
    CovidTracker::RegionRegistration.for_usa(state: 'New York', county: 'Broome'),
    CovidTracker::RegionRegistration.for_usa(state: 'New York', county: 'Onondaga'),
    CovidTracker::RegionRegistration.for_usa(state: 'New York', county: 'Cayuga'),
    CovidTracker::RegionRegistration.for_usa(state: 'New York', county: 'Madison'),
    CovidTracker::RegionRegistration.for_usa(state: 'New York', county: 'Chenango'),
    CovidTracker::RegionRegistration.for_usa(state: 'New York', county: 'Tioga')
  ]
end

- Configured to track my county and all the surrounding counties.
- Can configure multiple areas.
Steps to use for your areas and regions

- Copy the app and add as a repo under to your user repos in GitHub
- Configure app in GitHub to point pages to /docs
  - Settings -> Options -> GitHub Pages -> Source -> Branch: main and Folder: /docs
- Edit the area and regions in /config/initializers/covid_regions.rb
- run script: `bin/update_site -s -p -g`
  - Generates files under /docs
  - Push results to github
  - Run daily (manually or by cron job) and push results to github
Links

- Get the app: [Covid-Tracker Code in Github](#)
- Data from: [COVID-19 Data Repository by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University](#)
- The API to access the COVID-19 data is [COVID API](#)
- The mechanism used to access the API is a custom module written to work with the [Questioning Authority gem](#) from the Samvera Community.
- Graphs are generated using [Gruff Graph library](#)
- The GitHub Pages site uses [Documentation Theme for Jekyll](#)