

Strategic COVID-19 Response, Backed by Epidemic Intelligence and Data Insights

In the face of the COVID-19 pandemic, pressure is mounting for federal, state, and local policy decision-makers—but it is a delicate balancing act between economic viability and public health needs. How can we ensure we are making the most well-informed decisions and using response resources optimally? How can we be best prepared to handle resurgences of COVID-19 over time? How can we reduce spread of the virus and mitigate economic disruption?

The challenge lies in managing, interpreting, and effectively iterating response strategies based on real-time epidemic intelligence and available data streams.

RTI COVID-19 Data Insights

State and local governments have a massive amount of COVID-19 data to process and every day it continues to grow rapidly. Extracting actionable insights from large datasets is time-consuming and costly—RTI can help. By combining the expertise of our data scientists and epidemiologists with this innovative technology, you can better prioritize valuable resources and make data-driven decisions to strategically respond to COVID-19 and plan for the future. RTI has developed their COVID-19 Data Insights tool to be easily customized to meet stakeholder needs.

Learn more about how data insights can support your COVID-19 response.

Contact us for more information. Demonstrations are available.

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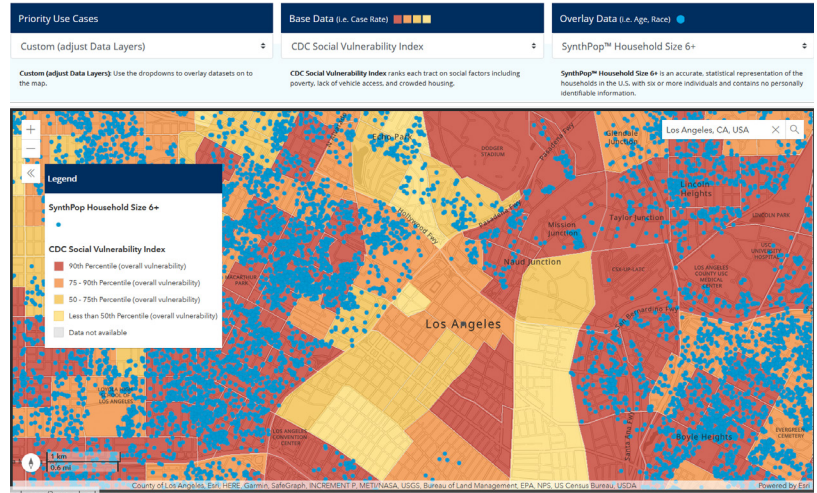
What do we offer?

The most comprehensive data-driven tool in the market, accounting for demographic, social, economic, and epidemic measures for comparison and analysis.

- Partnerships with RTI experts to best understand and analyze the data for actionable insights.
- Incorporation of your own proprietary data and custom functionality based on your state's unique challenges (i.e. contact tracing, outreach initiatives, testing strategy, vaccine offering).
- Inclusion of [RTI SynthPop™](#), a synthetic population of spatially explicit records for every household and person within the United States, giving you the ability to assess COVID-19 impacts within communities.
- Geospatial data streams updated daily, providing a hyper-localized, census-tract view of the pandemic.
- An intuitive user interface to explore various data feeds and use data to improve operational efficiencies.

Snapshot from COVID-19 Data Insights Tool

Overlays help identify areas of higher risk based on household size and overall vulnerability.



Our Approach

We use [RTI Merge™](#), our data integration platform, to automate and process critical data streams, combining multiple sources from COVID-19 case and trend data, hospital and contact tracing data from key stakeholders, along with RTI's collection of data assets. Together, the COVID-19 Data Insights tool offers intelligent integration in an easy to use, easy to understand format. Real-time outputs deliver visual overlays and data insights that can easily integrate with existing systems.

Customized Decision Support Tools

State, regional, and local public health officials and key stakeholders will be able to view geospatial data and statistics, including COVID-19 data, demographic trends, hospital capacity, mortality trends, estimated immunity, outreach effort outcomes, and contact tracing outcomes, through a range of custom outputs.



Public Health Officials	Key Stakeholders	General Public
<ul style="list-style-type: none"> Highlight hotspots and susceptibility Inform resource and supply allocation Strategically target messaging and public education Produce regional and county level rankings Measure change over time Identify trends and signals Daily state/regional insights Highlight trends/changes over time Progress on public education campaign and communication efforts 	<ul style="list-style-type: none"> View household-level demographics in hotspots (Provided by RTI's SynthPop™) Assess tract-level profiles of community risk Target community hotspots Inform local response Identify change over time Hyperlocal insights of case and demographic trends Community-level indicators for contact tracing performance 	<ul style="list-style-type: none"> View local community risk Locate testing sites Review local statistics View trends over time Receive daily indicators (e.g. COVID risk high-med-low) Receive health alerts and recommendations

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