

COVID 19 Impact Storyboard

Tableau Storyboard Dashboards and Sheets Exported to PPT/PDF

By

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COVID-19 Impact Overview: Key Insights and Trends

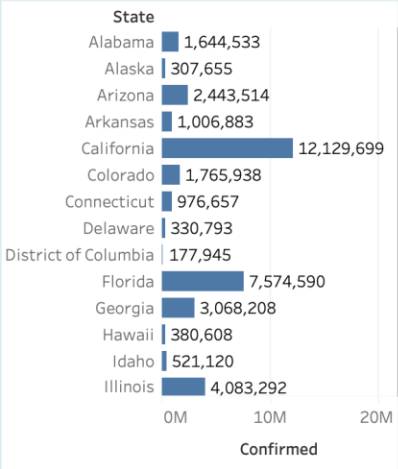
Summary	COVID-19 Cases & Affected Regions	Trends & Burdens	Remaining Population
<div><div>Summary of COVID-19 Trends and Key Findings</div><div>Data source: https://data.world/associatedpress/johns-hopkins-coronavirus-case-tracker</div><div>The impact of COVID-19 in the United States across all 50 states from 2020 to 2023 is being examined in this storyboard with 3 interactive dashboards. It addresses 5 important questions about confirmed cases, regional effects, major trends, mortality, and population impact with 5 Key Performance Indicators (KPI's) .</div><div><div>Dashboard 1: COVID-19 Cases & Affected Regions</div><div><div>Q1: What are the total number of people confirmed with COVID-19 in the US ?</div><div><div>KPI-1: More than 100 million cases have been confirmed.</div><div>Visualization: A horizontal bar graph displays state-wide case numbers for quick comparisons.</div></div><div><div>Q2: Which regions (states/counties) are most affected by COVID-19 in-relation to total number of confirmed cases?</div><div><div>KPI-2: Regional analysis revealed that Los Angeles county accounted for most number of cases.</div><div>Visualization: A symbol map provides drill-down into highly-affected counties at the state-level.</div></div></div><div><div>Dashboard 2: Trends & Burdens</div><div><div>Q3: What trends / patterns can be seen in COVID-19 cases and deaths over time?</div><div><div>KPI-3: Trend analysis of new cases & deaths shows peaks in deaths (2021) and new cases (2022).</div><div>Visualization: A line graph shows these trends over 2020 - 2023 timeframe.</div></div><div><div>Q4: Which three states has most confirmed cases and deaths ?</div><div><div>KPI-4: California, Texas, Florida reported hightest number of cases & deaths between 2020 and 2023.</div><div>Visualization: Stacked bar graphs highlight the states with the highest impacts.</div></div></div><div><div>Dashboard 3: Remaining Population</div><div><div>Q5: What is the current population in the U.S. after COVID-19, and how does this vary by state?</div><div><div>KPI-5: Over 324 Million people remain after more than 1 million lives were lost to COVID-19</div><div>Visualizations: A heatmap displays existing population in relation to the total populations and deaths by state.</div></div></div></div></div></div></div></div></div>			

COVID-19 Impact Overview: Key Insights and Trends

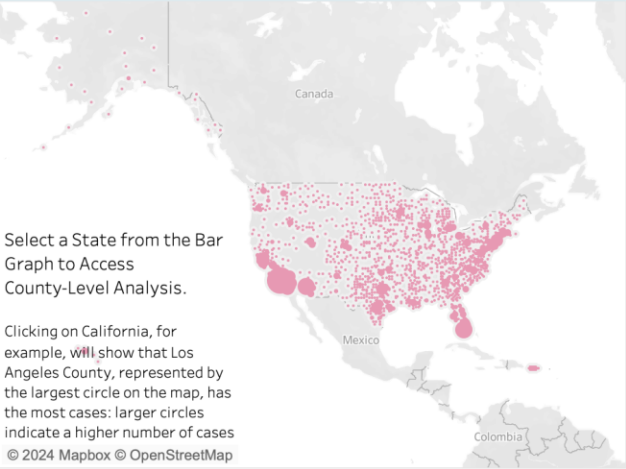
Summary	COVID-19 Cases & Affected Regions	Trends & Burdens	Remaining Population
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KPI-1: Total Number of People Diagnosed with COVID-19 in the US: 100 million+
KPI-2: Regional Breakdown of Hardest-hit States and Cities in the US

State-wide Confirmed Case Count

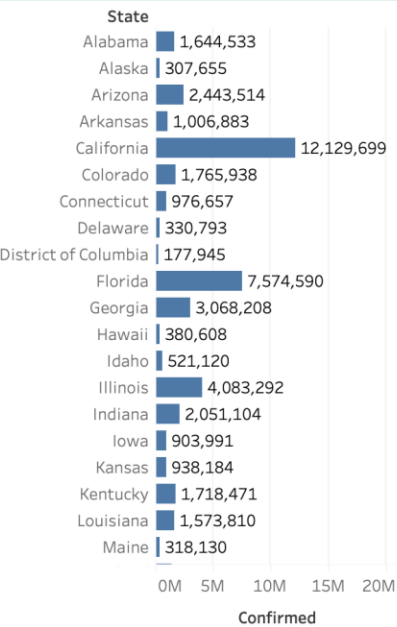


County-Level Analysis of High-Impact Regions (Drill-down)

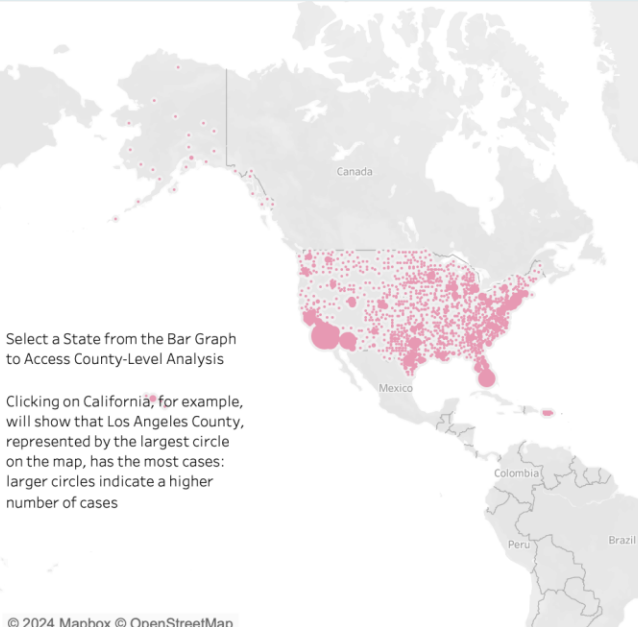


KPI-1: Total Confirmed COVID-19 Cases in the US: Over 100 Million
KPI-2: Regional Analysis of Most Affected US States and Counties

State-wide Confirmed Case Count



County-Level Analysis of High-Impact Regions (Drill-down)

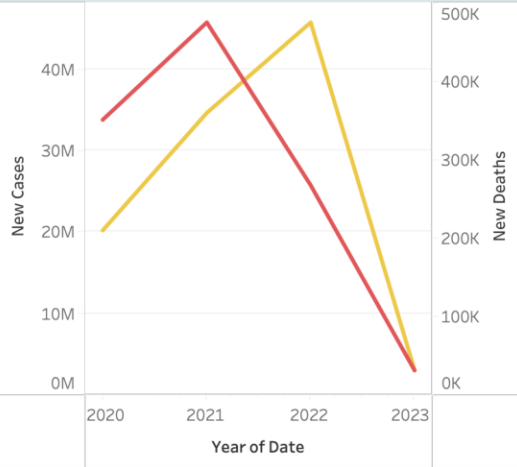


COVID-19 Impact Overview: Key Insights and Trends

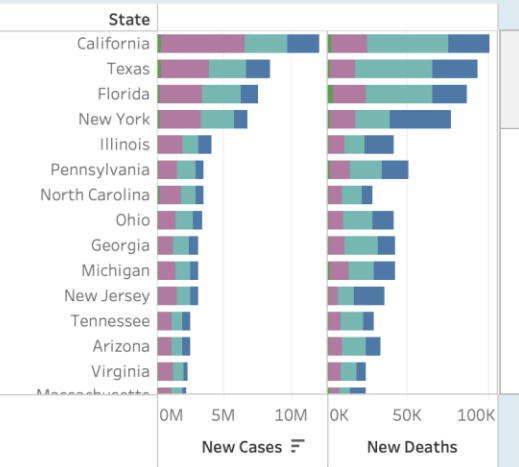
Summary	COVID-19 Cases & Affected Regions	Trends & Burdens	Remaining Population
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KPI-3: Trend analysis of Peak Years of New Cases (2022) & Deaths (2021)
KPI-4: Top 3 US States of COVID-19 Cases & Deaths (2020-2023)

US COVID-19 Cases & Deaths Trend (2020 - 2023)

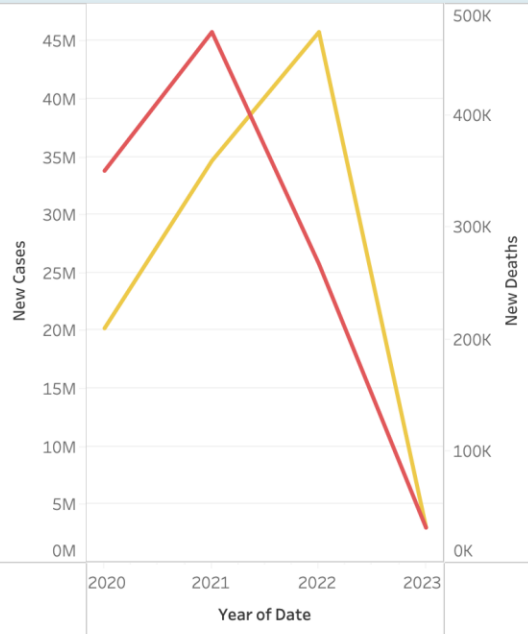


State-wide Cases & Deaths (2020 - 2023)

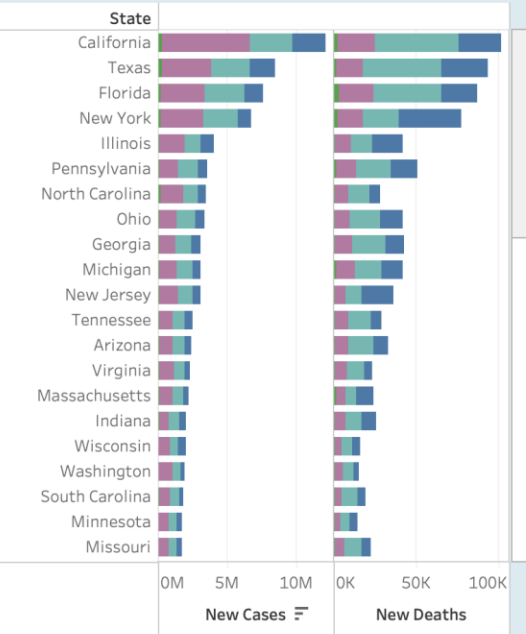


KPI-3: Trend analysis of Peak Years of New Cases (2022) and Deaths (2021)
KPI-4: Top 3 US States of COVID-19 Cases & Deaths (2020-2023)

US COVID-19 Cases & Deaths Trend (2020 - 2023)



State-wide Cases & Deaths (2020 - 2023)

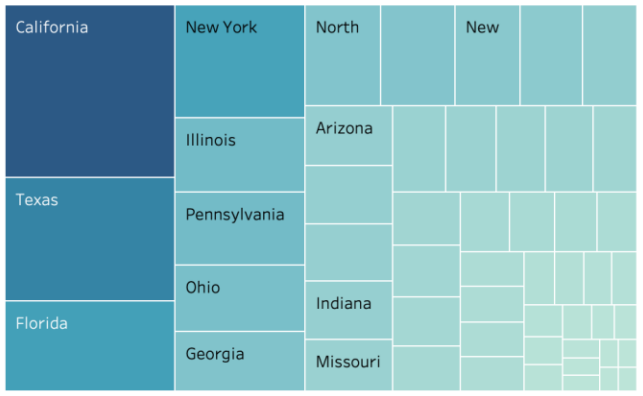


COVID-19 Impact Overview: Key Insights and Trends

Summary	COVID-19 Cases & Affected Regions	Trends & Burdens	Remaining Population
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KPI-5: Remaining Population After COVID-19 Deaths in the US: 324 Million+

Total Remaining Population = 324294158 (324M +)



Hover over a state on the heat map to see its remaining population, total population, and total deaths. This gives an idea of the impact of COVID-19 on the state's population.

Total Population = 325,417,366 (325M+)

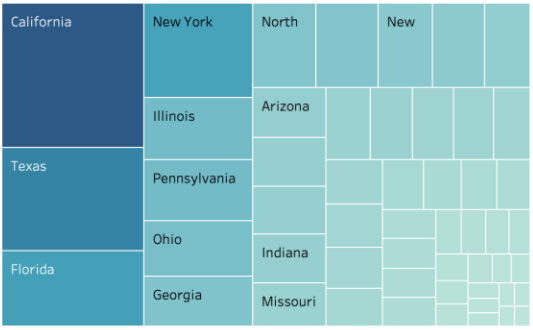
State

Total Deaths = 1,123,208 (1M+)

State	Deaths
Alabama	21,032
Alaska	1,486

KPI-5: Remaining Population After COVID-19 Deaths in the US: 324 Million+

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Hover over a state on the heat map to see its remaining population, total population, and total deaths. This gives an idea of the impact of COVID-19 on the state's population.

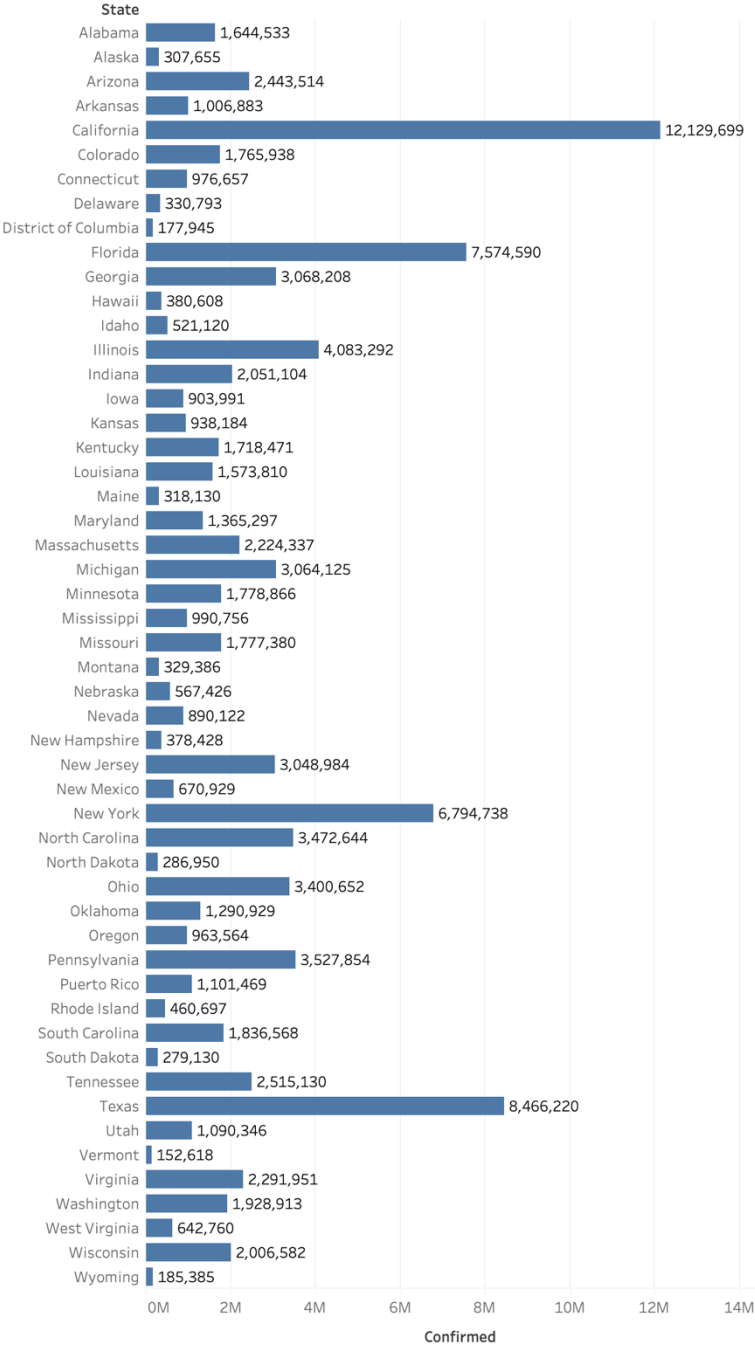
Total Population = 325,417,366 (325M+)

State	Population
Alabama	4,864,680
Alaska	736,384
Arizona	6,946,685
Arkansas	2,990,671
California	39,148,760
Colorado	5,531,141
Connecticut	3,581,504
Delaware	949,495
District of Columbia	684,498
Florida	20,598,139
Georgia	10,297,484
Hawaii	1,421,954

Total Deaths = 1,123,208 (1M+)

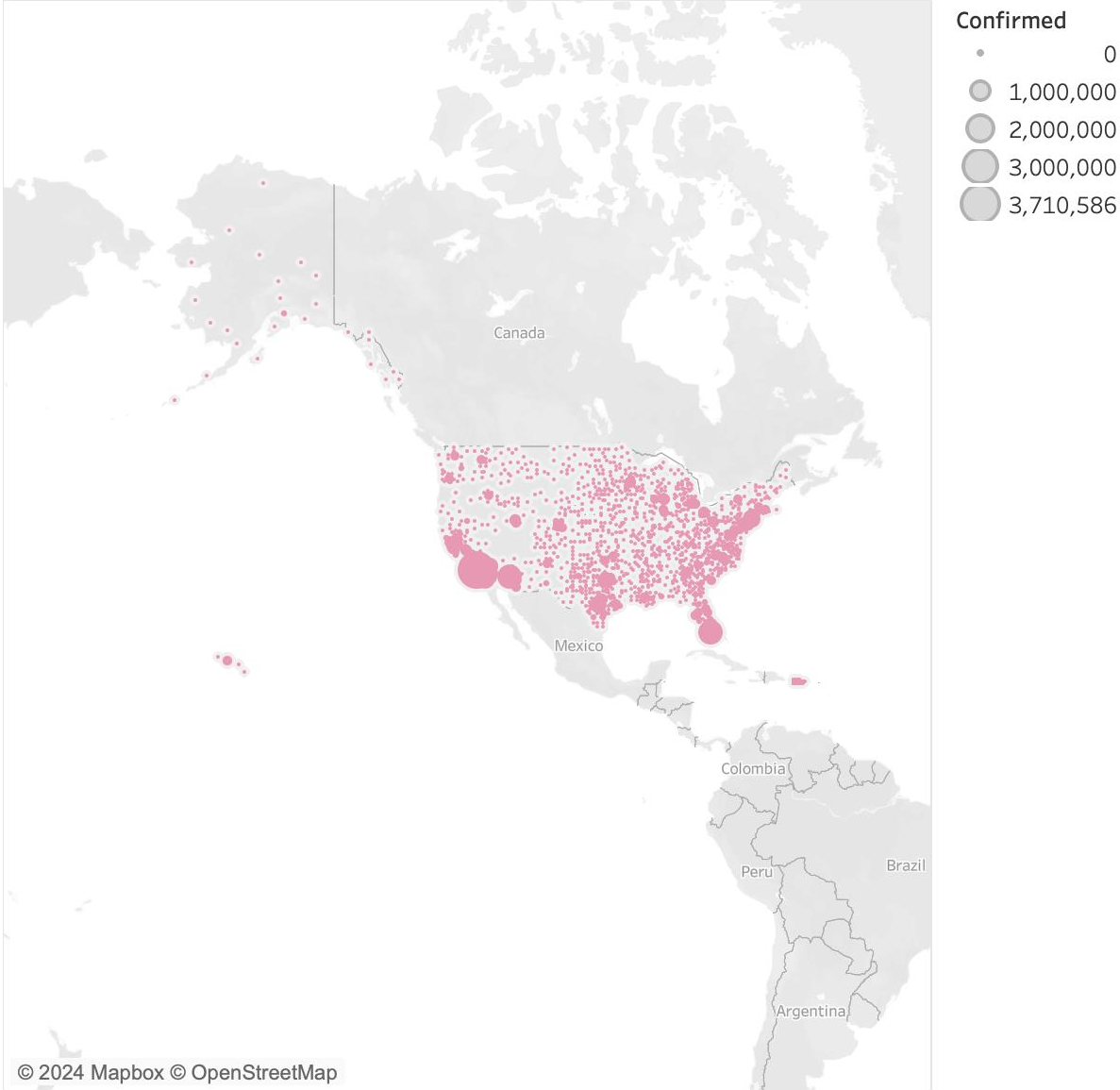
State	Deaths
Alabama	21,032
Alaska	1,486
Arizona	33,102
Arkansas	13,020
California	101,159
Colorado	14,181
Connecticut	12,220
Delaware	3,324
District of Columbia	1,432
Florida	86,850
Georgia	42,489
Hawaii	1,841
Idaho	5,416
Illinois	41,496

State-wide Confirmed Case Count



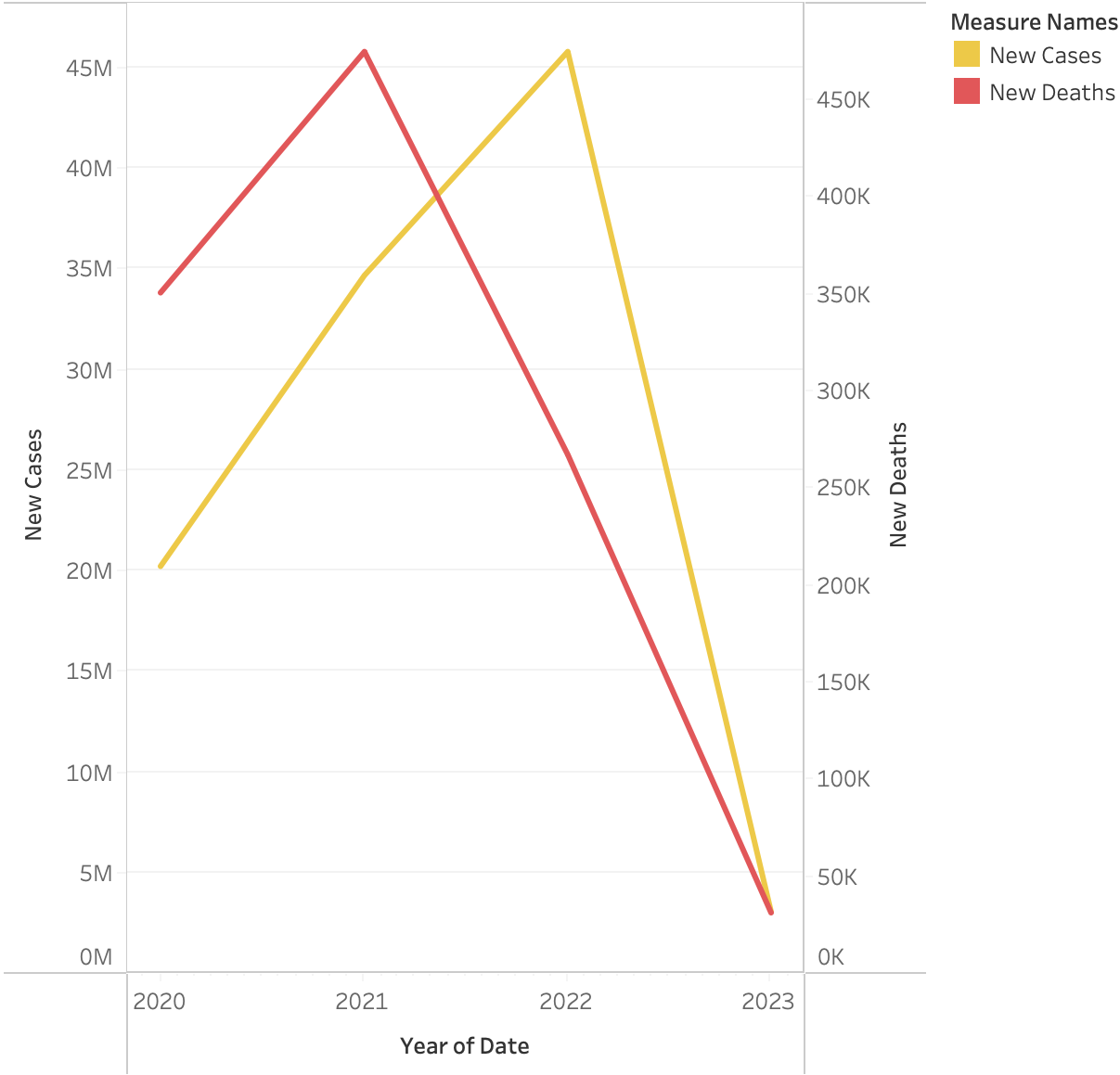
Sum of Confirmed for each State. The marks are labeled by sum of Confirmed.

County-Level Analysis of High-Impact Regions (Drill-down)



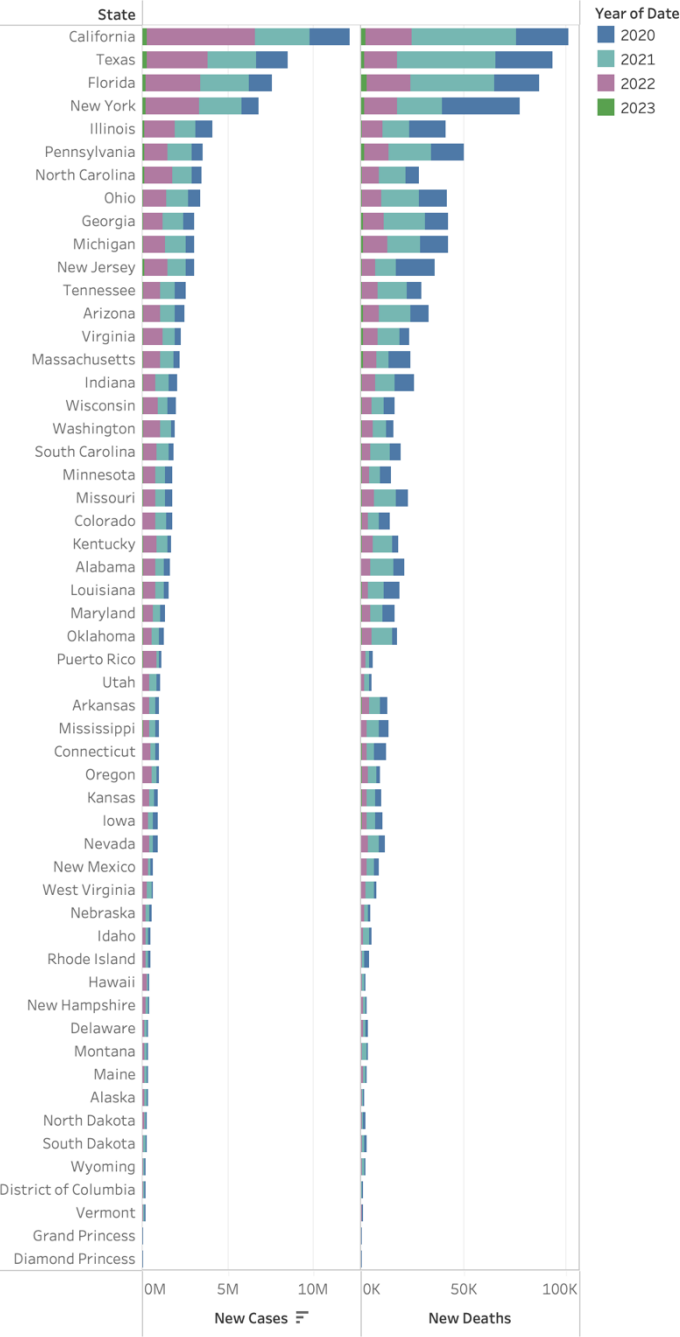
Map based on Longitude (generated) and Latitude (generated). Size shows sum of Confirmed. Details are shown for County Name. The data is filtered on Action (State), which keeps 52 members.

US COVID-19 Cases & Deaths Trend (2020 - 2023)



The trends of New Cases and New Deaths for Date Year. Color shows details about New Cases and New Deaths.

State-wide Cases & Deaths (2020 - 2023)



Sum of New Cases and sum of New Deaths for each State. Color shows details about Date Year. The data is filtered on Action (YEAR(Date)), which keeps 4 members.

Total Population =
325,417,366
(325M+)

State	
Alabama	4,864,680
Alaska	736,384
Arizona	6,946,685
Arkansas	2,990,671
California	39,148,760
Colorado	5,531,141
Connecticut	3,581,504
Delaware	949,495
District of Columbia	684,498
Florida	20,598,139
Georgia	10,297,484
Hawaii	1,421,954
Idaho	1,687,809
Illinois	12,821,497
Indiana	6,637,426
Iowa	3,132,499
Kansas	2,908,776
Kentucky	4,440,204
Louisiana	4,663,616
Maine	1,332,813
Maryland	6,003,435
Massachusetts	6,801,779
Michigan	9,957,488
Minnesota	5,527,358
Mississippi	2,988,762
Missouri	6,090,062
Montana	1,041,732
Nebraska	1,904,760
Nevada	2,922,849
New Hampshire	1,343,622
New Jersey	8,881,845
New Mexico	2,092,434
New York	19,618,453
North Carolina	10,155,624
North Dakota	752,201
Ohio	11,641,879
Oklahoma	3,918,137
Oregon	4,081,943
Pennsylvania	12,791,181
Puerto Rico	3,386,941
Rhode Island	1,056,611
South Carolina	4,955,925
South Dakota	864,289
Tennessee	6,651,089
Texas	27,885,195
Utah	2,203,366
Vermont	624,977
Virginia	8,413,774
Washington	7,294,336
West Virginia	1,829,054
Wisconsin	5,778,394
Wyoming	581,836
Grand Total	325,417,366

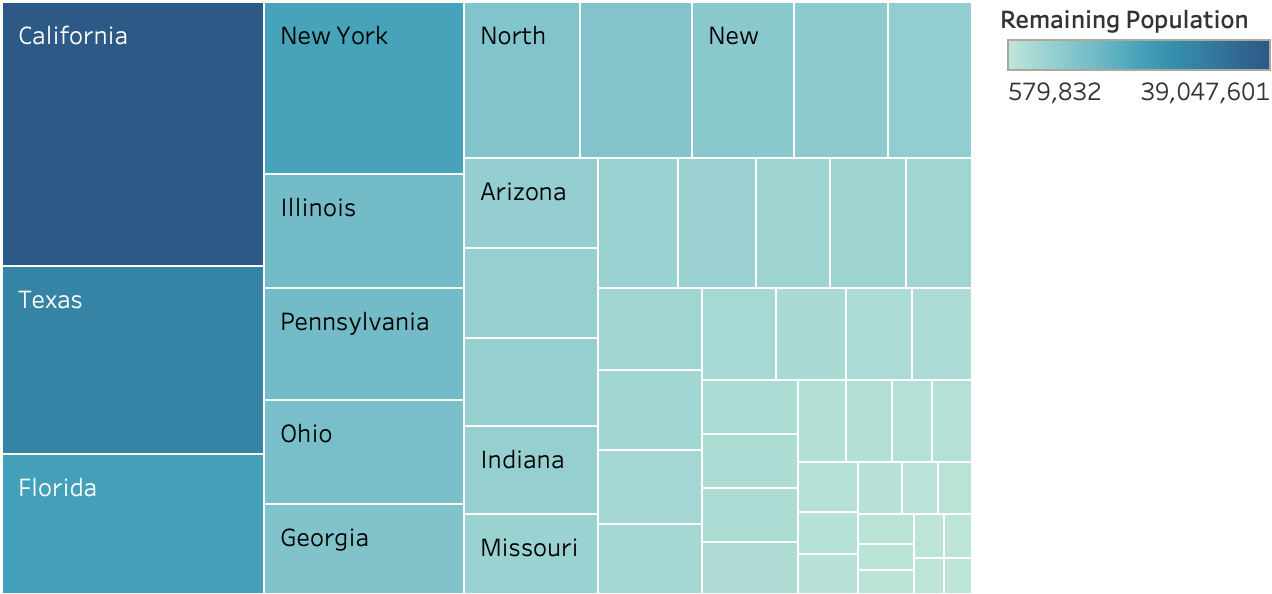
Sum of Total Population broken down by State. The data is filtered on Action (State), which keeps 52 members. The view is filtered on State, which keeps 52 of 52 members.

Total Deaths =
1,123,208 (1M+)

State	
Alabama	21,032
Alaska	1,486
Arizona	33,102
Arkansas	13,020
California	101,159
Colorado	14,181
Connecticut	12,220
Delaware	3,324
District of Columbia	1,432
Florida	86,850
Georgia	42,489
Hawaii	1,841
Idaho	5,416
Illinois	41,496
Indiana	26,115
Iowa	10,725
Kansas	10,066
Kentucky	18,130
Louisiana	18,766
Maine	2,928
Maryland	16,544
Massachusetts	24,333
Michigan	42,205
Minnesota	14,870
Mississippi	13,370
Missouri	22,870
Montana	3,652
Nebraska	4,936
Nevada	11,922
New Hampshire	3,003
New Jersey	36,015
New Mexico	9,061
New York	77,157
North Carolina	28,432
North Dakota	2,470
Ohio	41,796
Oklahoma	17,972
Oregon	9,373
Pennsylvania	50,398
Puerto Rico	5,823
Rhode Island	3,870
South Carolina	19,600
South Dakota	3,190
Tennessee	29,263
Texas	93,390
Utah	5,298
Vermont	929
Virginia	23,666
Washington	15,683
West Virginia	7,960
Wisconsin	16,375
Wyoming	2,004
Grand Total	1,123,208

Sum of Deaths broken down by State. The data is filtered on Action (State), which keeps 52 members. The view is filtered on State, which keeps 52 of 52 members.

Total Remaining Population = 324294158 (324M +)



State. Color shows sum of Remaining Population. Size shows sum of Remaining Population. The marks are labeled by State. The view is filtered on State, which keeps 52 of 52 members.