

# Dashboard Description for COVID -19 Data Visualization

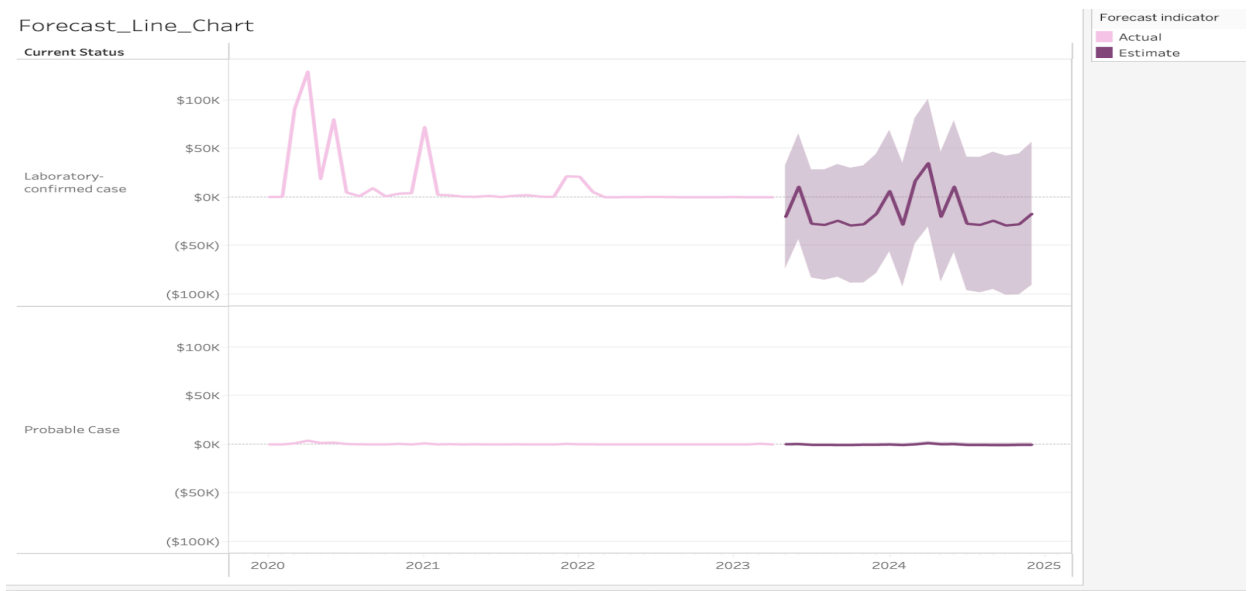
## Overview:

The interactive COVID-19 status dashboard is designed to provide insights into the current situation, trends, and forecasts of COVID-19 cases. The dashboard comprises five primary visualizations, each tailored to deliver specific information crucial for understanding the pandemic's trajectory. The ability to interact with the dashboard through filters such as date range and case status (laboratory confirmed or probable) enhances the user experience and ensures that the data presented is relevant to the user's needs.

## Graphs:

### 1. Forecast Graph:

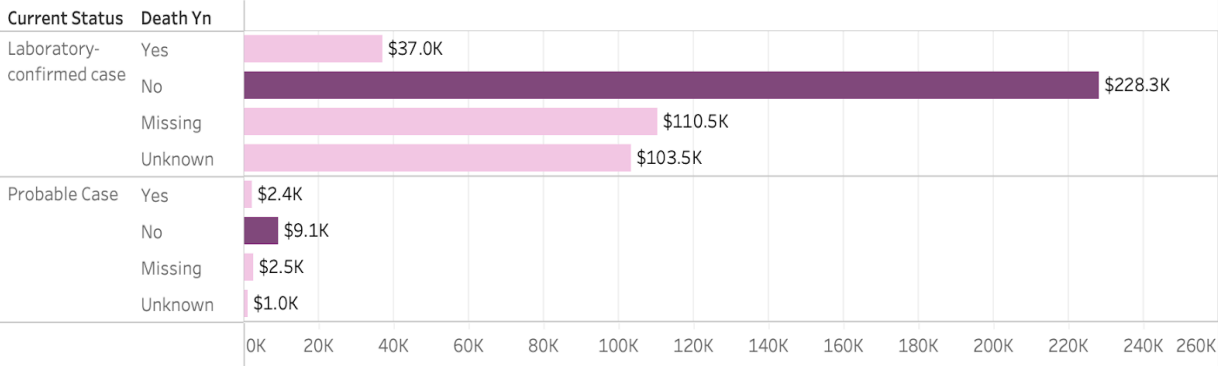
The forecast graph presents the current status of probable and laboratory-confirmed COVID-19 cases over a period with future projections at 95% precision. Users can visualize potential future trends based on historical data.



2. Horizontal Bar Chart

This chart displays the count of current statuses, specifically laboratory-confirmed and probable cases, alongside death status. It facilitates quick comparisons and understanding of case and fatality distributions.

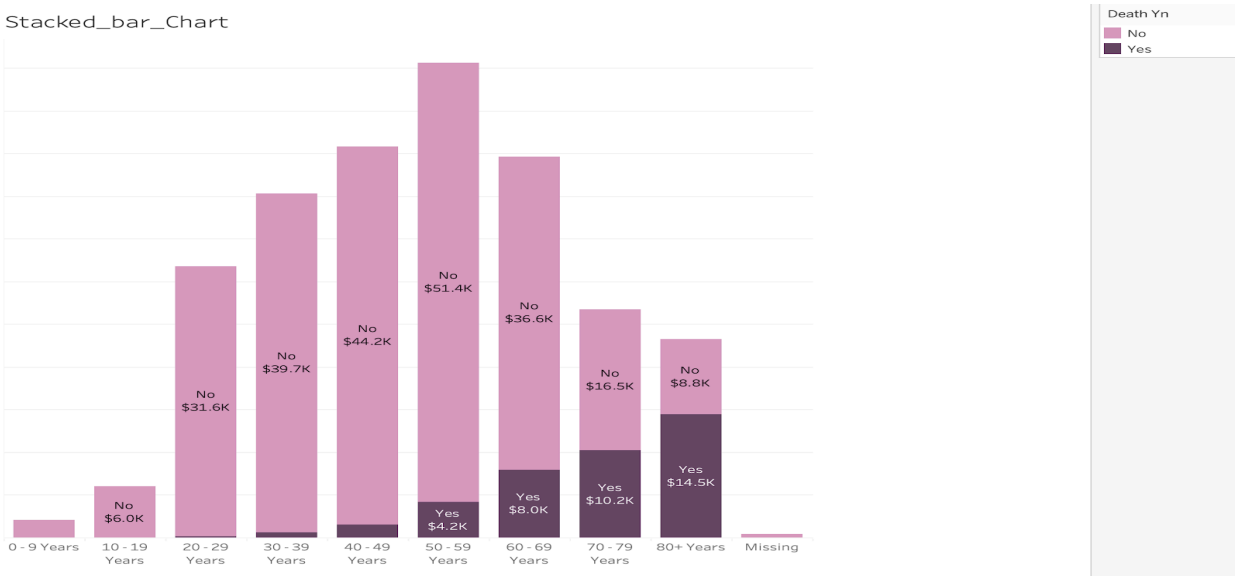
HorizontalBar\_Chart



3. Stacked Bar Chart

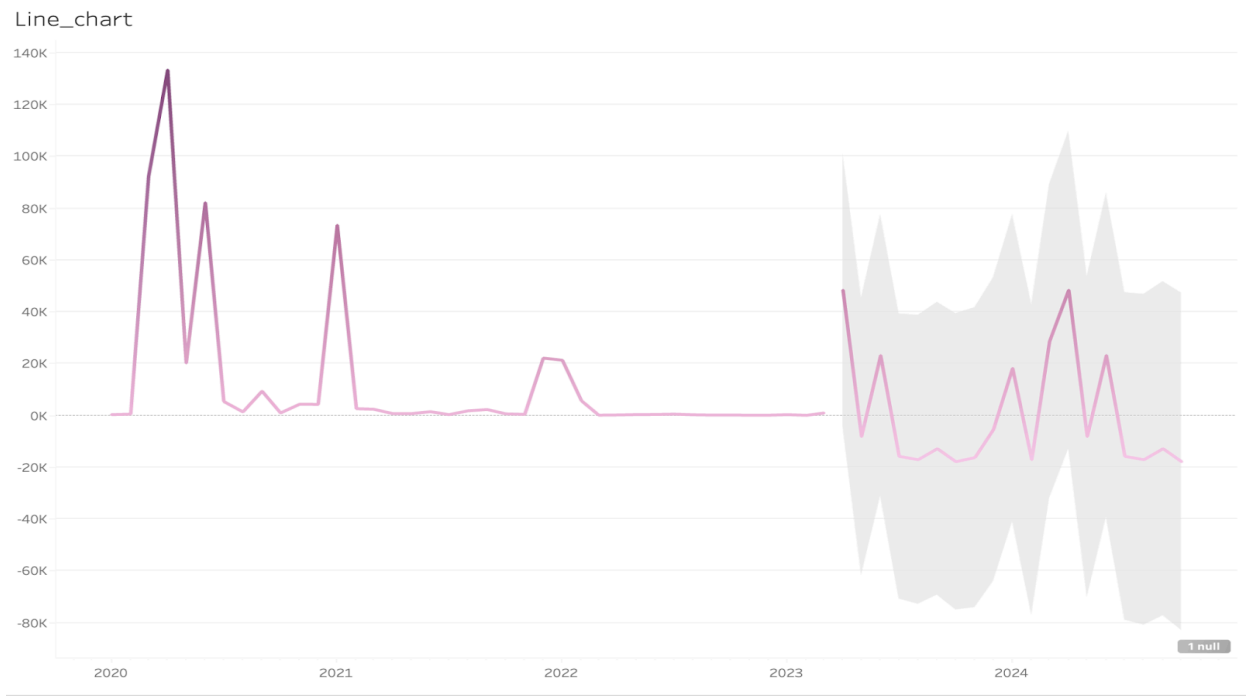
The stacked bar chart breaks down the count of deaths by different age groups, highlighting the cumulative effect across all age categories. This helps in identifying vulnerable populations.

Stacked\_bar\_Chart



4. Line Chart

The line chart provides a dynamic view of COVID-19 cases over time, including past, present, and forecasted counts with 95% precision. It is useful for tracking the progression of the pandemic and observing trends.



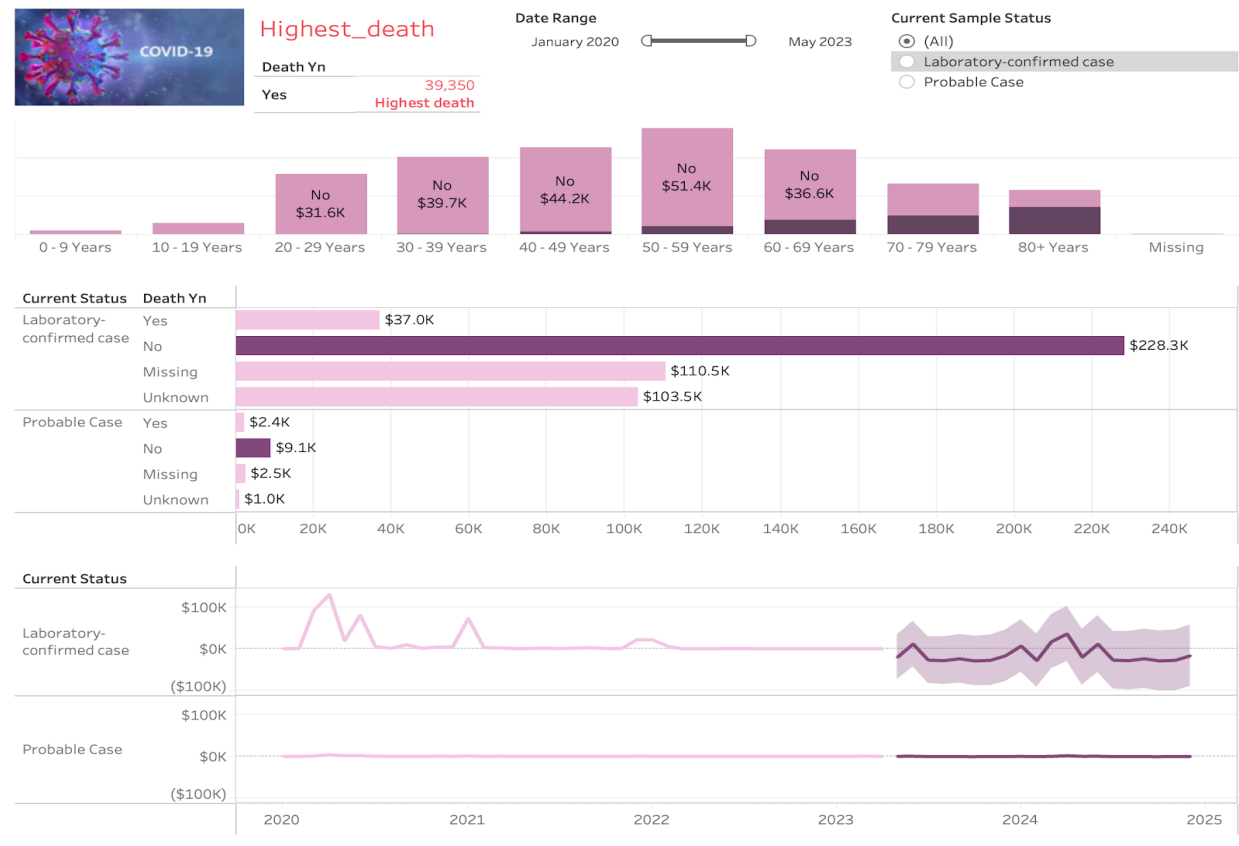
5. Single Value Chart

The single value chart displays the highest number of deaths recorded. This quick reference helps understand the severity of the pandemic in terms of fatalities.

Highest\_death

Death Yn	
Yes	39,350 Highest death

## 6. Dashboard:



## Interactive Features:

### Date Range Selection:

- Users can select specific months and years to filter the data.
- Based on the date range selection, the dashboard reflects the changes across all graphs, ensuring relevant and timely data presentation.

### Case Status Selection:

- The dashboard allows users to select the status of sample cases, such as probable cases, laboratory-confirmed cases, or both.
- This selection is applied to the single value, stacked bar chart, horizontal bar graph, and forecast graphs, tailoring the data visualizations to the user's needs.

## Description of the dashboard

This dashboard uses a mix of visuals to provide a comprehensive view of COVID-19 trends, from forecasting future cases to breaking down current and past impacts by age group and death toll. Each chart was chosen to offer a different perspective: the forecast graph anticipates future trends, the horizontal bar chart highlights current status, the stacked bar chart shows age-specific impacts, the line chart tracks historical data, and the single value chart emphasizes the highest death toll.

The dashboard design incorporates clear, distinct visualizations to effectively communicate complex data. It utilizes interactive elements, such as dropdowns for filtering case types and date ranges ensuring users can tailor the information to their needs. Consistent use of color and chart types helps in understanding the data at a glance, while the layout ensures that users can easily navigate between different insights and trends.

## Detailed Dashboard Explanation:

Dashboard is designed to make understanding of the pandemic's past, present, and future easier and clearer.

Our first stop is the Forecast Graph. Here, you see a blend of past and present COVID-19 cases along with future predictions. It's like having a sneak peek into how things might unfold, with a high level of confidence in the forecast.

Next, we check out the Horizontal Bar Chart. This chart gives you a straightforward look at the current numbers: confirmed cases, probable cases, and deaths. It's a snapshot that helps you quickly grasp the situation as it stands right now.

Then, we move to the Stacked Bar Chart, which breaks down death counts by age group. This chart shows how different age groups have been affected by the pandemic, giving a clearer picture of its impact across various generations.

The Line Chart follows, showing COVID-19 cases over time. It connects the dots between past data, current trends, and future predictions, helping you see how things have changed and what might come next.

Finally, the Single Value Chart highlights the highest number of deaths recorded. It's a powerful figure that brings the human cost of the pandemic into focus.

Throughout the journey, users can interact with the dashboard. Choose different months and years or switch between confirmed and probable cases to see how the data changes. This flexibility makes it easier to get the information the user needs and understand the full scope of the pandemic.