**Monitor Outbreak Trends and Hotspots**

Track confirmed cases, suspected cases, deaths, and weekly new cases by country.

Identify countries with the **highest case fatality rates (CFRs)**.

potlight regions where clade distribution may influence severity

**Assess Vaccination Progress and Gaps**

Compare vaccine doses **allocated vs deployed vs administered**.

Evaluate **vaccine coverage** by country.

Highlight countries with **high allocations but low deployment/uptake**.

**Evaluate Surveillance and Workforce Capacity**

Analyze the presence of **active surveillance sites, testing laboratories, and trained vs deployed CHWs**.

Identify whether stronger surveillance correlates with lower CFR or earlier detection.

Point out **countries under-equipped** relative to their case burden.

**Understand Clade Distribution and Risk**

Examine how different **clades are distributed across regions**.

Assess if certain clades are associated with higher deaths or spread.

**Correlate Response Efforts with Outcomes**

Investigate relationship between **vaccine coverage and weekly new cases**.

Test if countries with **more CHWs/labs** show lower fatality or faster outbreak control.

**Provide Actionable Recommendations for CDC**

Prioritize vaccine shipment and deployment in **countries with gaps**.

Scale up **testing labs and CHWs** where cases are rising.

Strengthen **surveillance in clade hotspots** to prevent further spread.