

### What is COVID-19?

Coronavirus disease 2019 or “COVID-19” is an infectious disease caused by a novel (new) coronavirus first detected in China in December 2019. It has now been detected in over 100 countries and territories internationally. On March 11, 2020, the World Health Organization declared the outbreak a global pandemic.

Data-driven decision making is vital to mounting an effective response to this rapidly evolving threat. However, COVID-19 is straining the capacity of many health systems in countries to manage, integrate, analyze and act on their data with the urgency required to bring the outbreak under control.

Zenysis Technologies is ready to help countries rapidly upgrade and transform their information management capabilities so that they can mount an effective, data-driven response that will contain the further spread of coronavirus and save lives.

### How can Zenysis support the COVID-19 response?



#### Harness your Entire Data Ecosystem

Zenysis quickly harnesses a country’s entire data ecosystem to help authorities track the outbreak and all elements of the response. It does so by rapidly integrating structured data from every available and relevant source into a virtual Control Room.



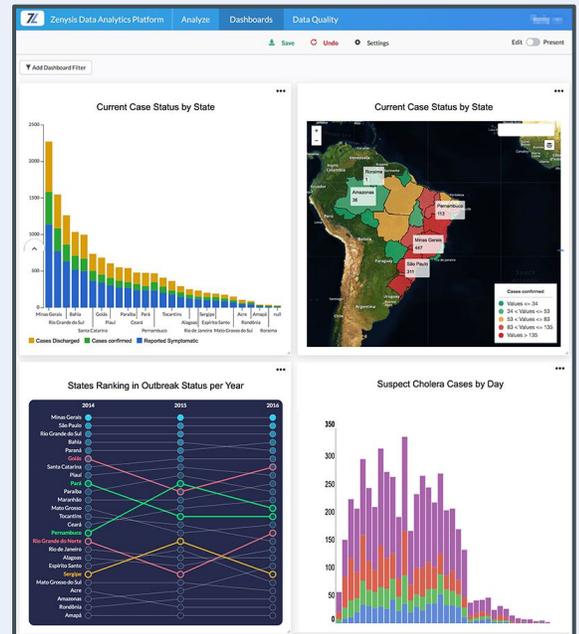
#### Actionable Analytics

Within the virtual Control Room, decision-makers have access to near-real-time, high-resolution analytics that help them coordinate an effective response. These analytics are available via customizable, easy-to-use visualizations and dashboards.



#### A Global and Experienced Team

Zenysis has multi-disciplinary teams in over 10 countries that are ready to provide support to organizations in any region on short notice.

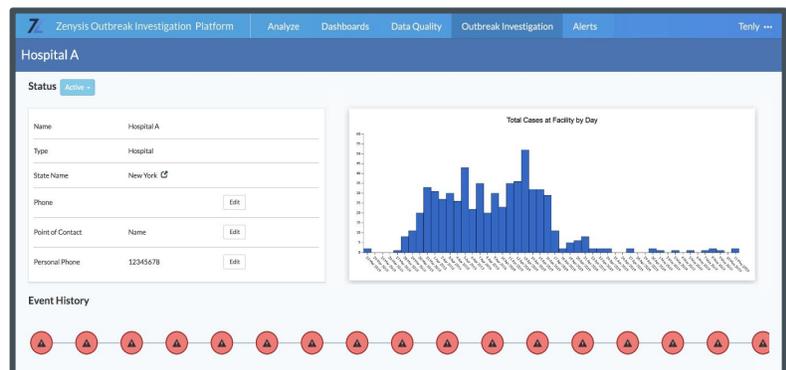


### Harmony Advanced Analytics + Case Management

#### Harmony Integration & Advanced Analytics Platform:

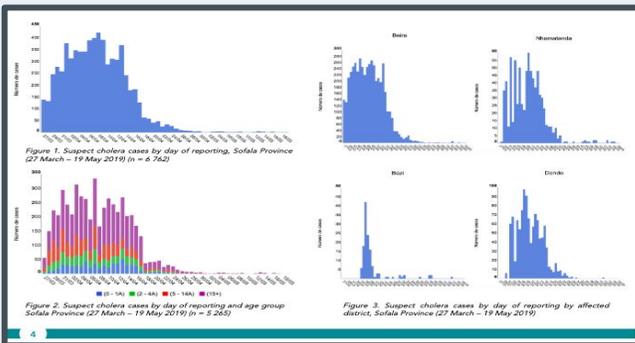
Harmony is a readily deployable virtual workspace where critical data can be used for immediate, lifesaving decisions in the COVID-19 response. Harmony is available under an open source licence.

**Zenysis Case Management:** This tool, shown on the right, helps teams track and triage new cases of a disease during outbreaks and track patients’ journey through the cascade of care. This is a premium product that will be made available at no additional cost during the COVID-19 outbreak.



\*All data shown on this page are simulated or publicly available

## Mozambique National Institute of Health - Cyclone Disaster and Cholera Outbreak Response



In March and April 2019, Cyclones Idai and Kenneth made landfall in Mozambique. Cyclone Idai was the largest natural disaster to hit Africa in more than 25 years, leaving more than 600 people dead and triggering a devastating cholera outbreak.

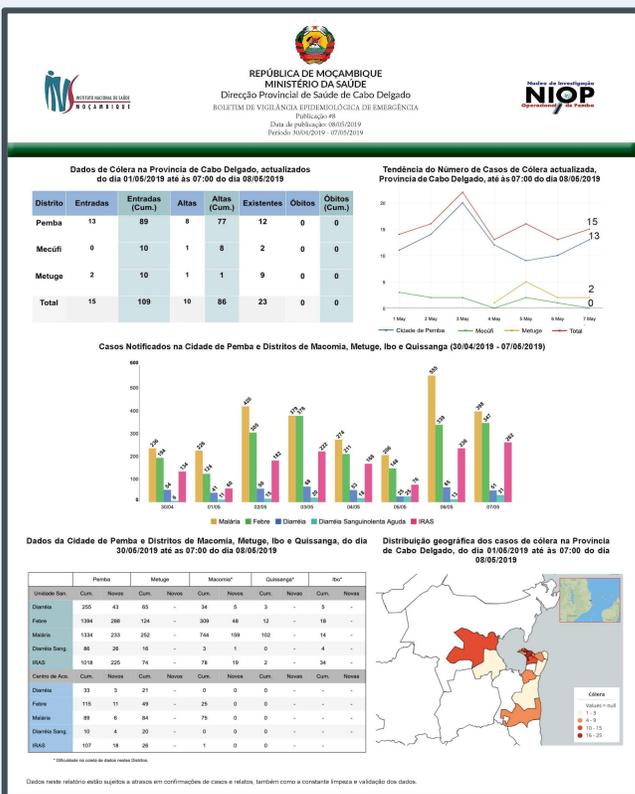
As is common in large-scale public health emergencies like the ongoing COVID-19 outbreak, key data sources were stored in multiple siloed systems. This deprived decision-makers of a timely and complete picture of the crisis and the actionable analytics they needed to mount a timely, effective and coordinated response.

**Zenysis helped Mozambique's National Institute of Health begin integrating multiple data sources into a new virtual control room ("mAlert") within 24 hours.**

Within a week, the Mozambique National Institute of Health used our technology to:

- Integrate 8 data sources and make these data available within a single platform for the first time;
- Establish a consistent daily flow of high-quality information to the public and responding organizations;
- Develop visualizations and dashboards that helped decision-makers mount an efficient, effective and coordinated response.

\*All data shown are publicly available



## The Impact:



The Minister of Health and other decision makers had access to near-real-time, high resolution analytics **on-demand**.



The mAlert platform was used to inform **critical daily discussions and decisions**, secure cholera vaccines and determine the location of cholera vaccination sites.



The Government used these analytics to inform the public, coordinate partners and mount an effective response that reduced the number of new cholera cases in Sofala province from **400 to 0 in 3 weeks**