

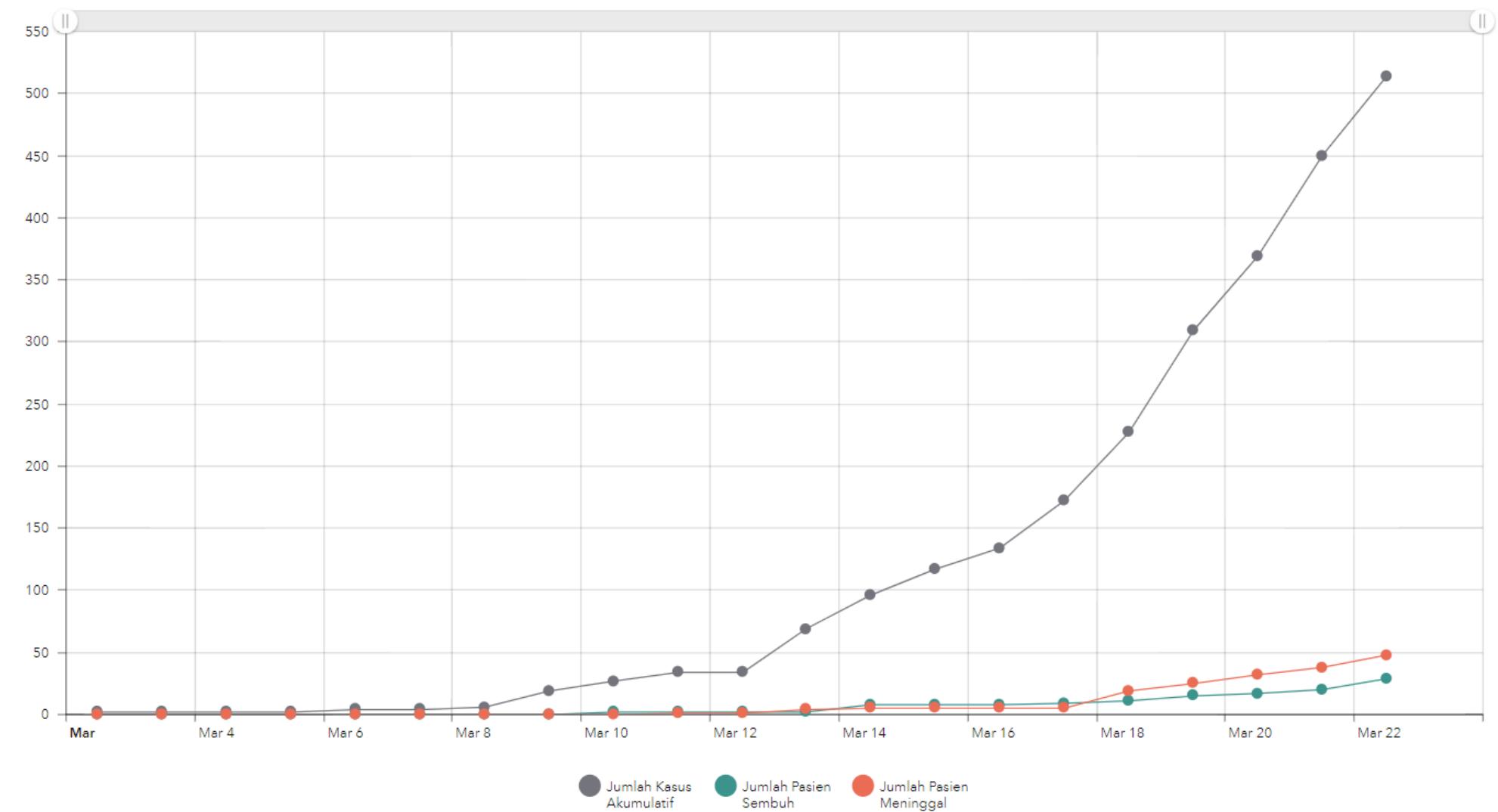
# Solusi GIS dalam Merespons COVID-19

Rifqi Oktavianto – Solutions Engineer  
roktavianto@esriindonesia.co.id



SEE  
WHAT  
OTHERS  
CAN'T

## Tren Nasional



# Agenda

- Pengenalan Solusi GIS dalam Merespons COVID-19
- ArcGIS Hub: *Open Data & Community Engagement*
- *Solutions Deployment & Best Practice*
- Studi Kasus



# Solusi ArcGIS | Pemerintah Provinsi dan Daerah

Penawaran solusi untuk memaksimalkan keahlian teknis dan meminimalkan waktu implementasi

- Kumpulan peta dan aplikasi yang bermanfaat

Dapat dikonfigurasi dan disesuaikan

Tersedia secara gratis dan didukung penuh

- Komunitas Pengguna

*Best Practices / Dukungan Implementasi*

- Jaringan Layanan Esri dan Penawaran Mitra

Membantu pengguna menerapkan, mempertahankan, dan meningkatkan

Mengedit Alur  
Kerja



Berfokus  
Peta dan Aplikasi



Model Analisis



Model Informasi



*... Meningkatkan operasional pemerintah dan meningkatkan layanan yang diberikan kepada publik*

# Manfaat Solusi GIS dalam Merespons COVID-19

- Meningkatkan kesadaran masyarakat tentang, dan informasi kasus COVID-19
  - Membantu masyarakat mengetahui rumah sakit terdekat untuk rujukan penanganan
  - Mengelola status tempat berkumpulnya komunitas (Sekolah, Gedung Pemerintah, Tempat Umum)
  - Memberikan informasi status tempat berkumpul komunitas kepada publik
  - Mengarahkan masyarakat untuk ke layanan pengujian COVID-19 terdekat
- 
- *Corporate security*

*... Ditujukan kepada Dinas Kesehatan provinsi dan daerah, serta corporate*

# Solusi GIS Terintegrasi

Berbaskan *Software as Services* (SaaS)



## Eksekutif dan Pelaksana Tugas



Dashboard  
Keterdampakan Masyarakat



Sekolah



Lokasi  
Faskes



Tempat  
Umum



## Staf Kesehatan dan Layanan Kemanusiaan



Laporan  
Kasus



Manajemen Status  
Fasilitas



Manajemen  
Faskes

## Masyarakat Umum



Sekolah  
yang Tutup



Lokasi  
Ahli Medis



Lokasi  
Faskes



Tempat Umum  
Yang tutup

Data  
Fasilitas

Online





**Be Informed**  
**Be On Board**  
**Participate**  
**Contribute Data**  
**Contribute Ideas**  
**Align Efforts**  
**Align Resources**

GOVERNMENT LEADERS

RESIDENTS

UNIVERSITIES

COMMUNITY LEADERS

NGOs

START-UPS

Leverage the  
Broader Community

# ArcGIS Hub is an easy-to-configure cloud platform that organizes people, data, and engagement tools to accomplish Initiative goals.



## Initiatives

Organize Content & Collaboration



## Team(s)

Coordinate Activities + Sharing



## Feedback

Discussions, Surveys, Crowdsourcing



## Content + Apps

Easy to deploy & configure tools



## Community Identities

Access to data, tools, teams, alerts



## Events

Schedule and Gather People



## Sites

Modern, Responsive Webpages



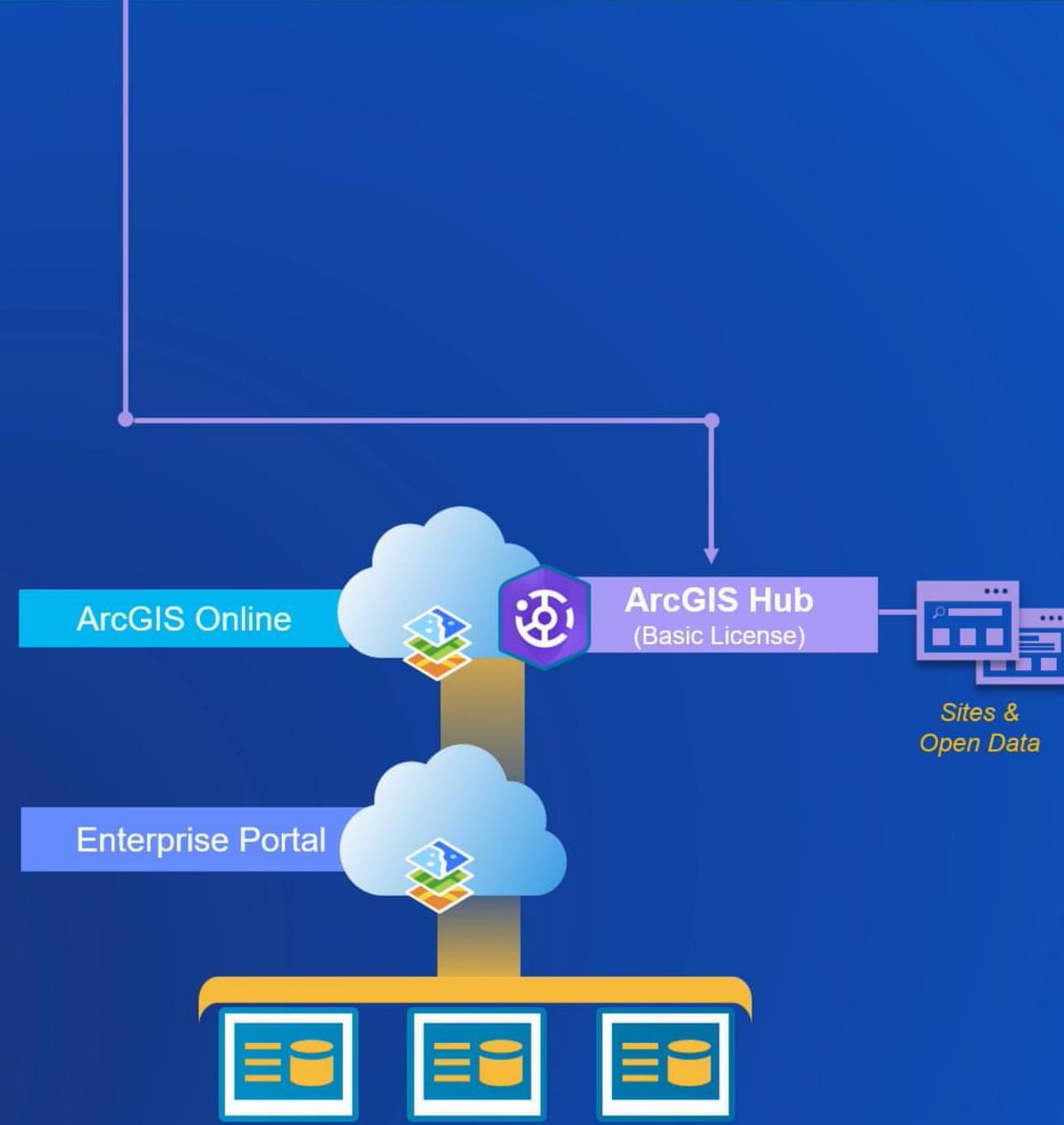
## Subscriptions

Community Notifications + Alerts

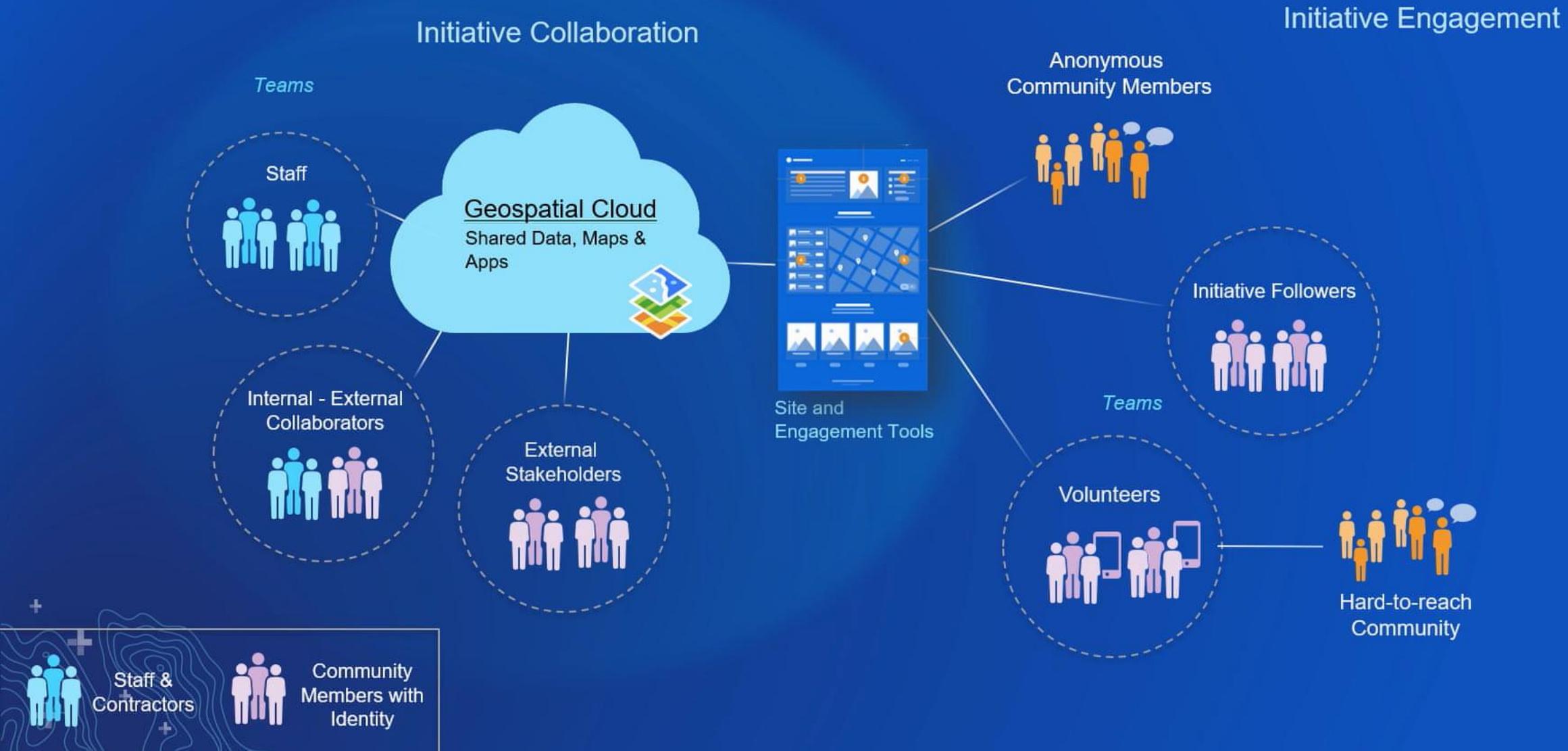


## Performance Tracking

Initiative & Engagement Dashboards



# Team-Enabled Collaboration and Engagement Pattern

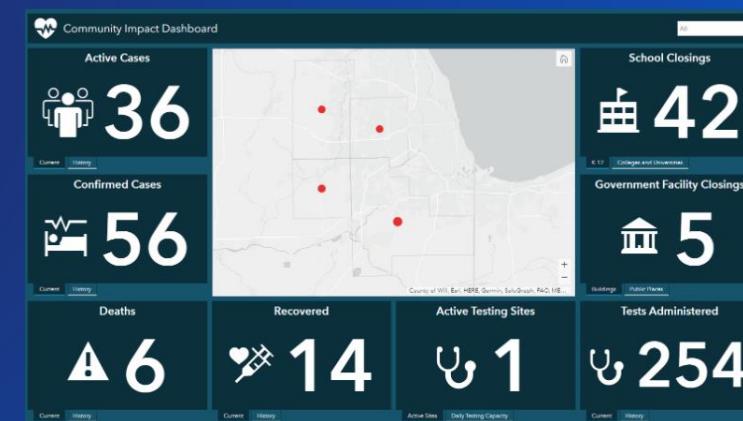
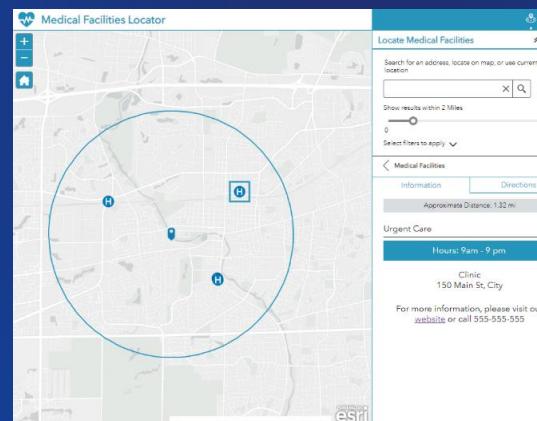
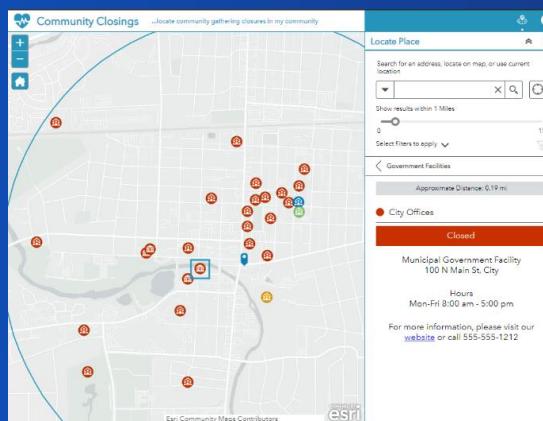


# Solutions Deployment

## Software

<https://www.esri.com/en-us/disaster-response/request-assistance>

- Solusi GIS untuk Merespons COVID-19
- *Template* Solusi untuk ArcGIS Hub



- ArcGIS Online *subscription* dan ArcGIS Hub Basic (termasuk ArcGIS Pro Advanced)

# Best Practice

Five steps to understand the potential impact COVID-19 can have on your organization and community

As global communities and businesses seek to respond to the COVID-19 pandemic, you can take these five proactive steps to create an instant picture of your organization's risk areas and response capacity.

Step 1	Step 2	Step 3	Step 4	Step 5
<b>Map the cases</b> Map confirmed and active cases, fatalities, and recoveries cases to identify where COVID-19 infections exist and have occurred.	<b>Map the spread</b> Time-enabled maps can reveal how infections spread over time and where you may want to target interventions.	<b>Map vulnerable populations</b> COVID-19 disproportionately impacts certain demographics such as the elderly and those with underlying health conditions. Mapping social vulnerability, age, and other factors helps you monitor the most at-risk groups and regions.	<b>Map your capacity</b> Map facilities, employees or citizens, medical resources, equipment, goods, and services to understand and respond to current and potential impacts of COVID-19.	<b>Communicate with maps</b> Use interactive web maps, dashboard apps, and story maps to help rapidly communicate your situation.

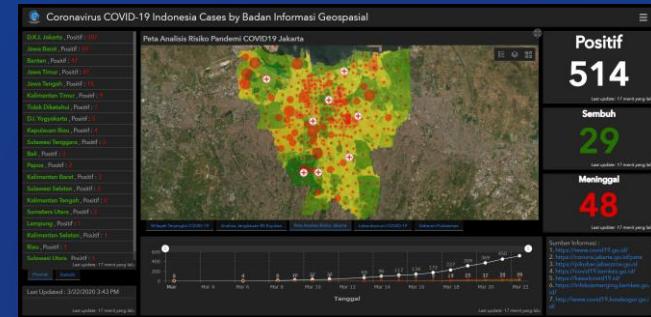
Sumber : <https://coronavirus-resources.esri.com/>

# Studi Kasus | Untuk Pemerintahan

## Portal GIS InaCOVID-19 oleh BNBP



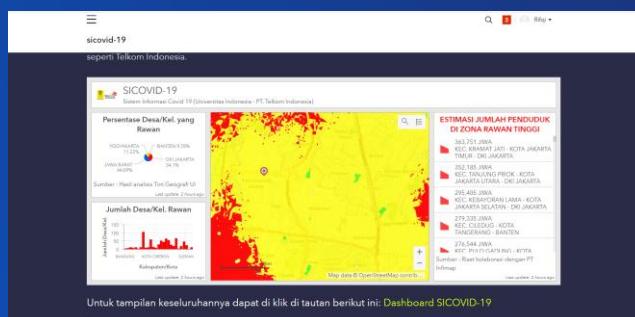
## Peta Analisis Risiko Pandemi COVID-19 oleh BIG



## COVID-19 Kota Tangerang



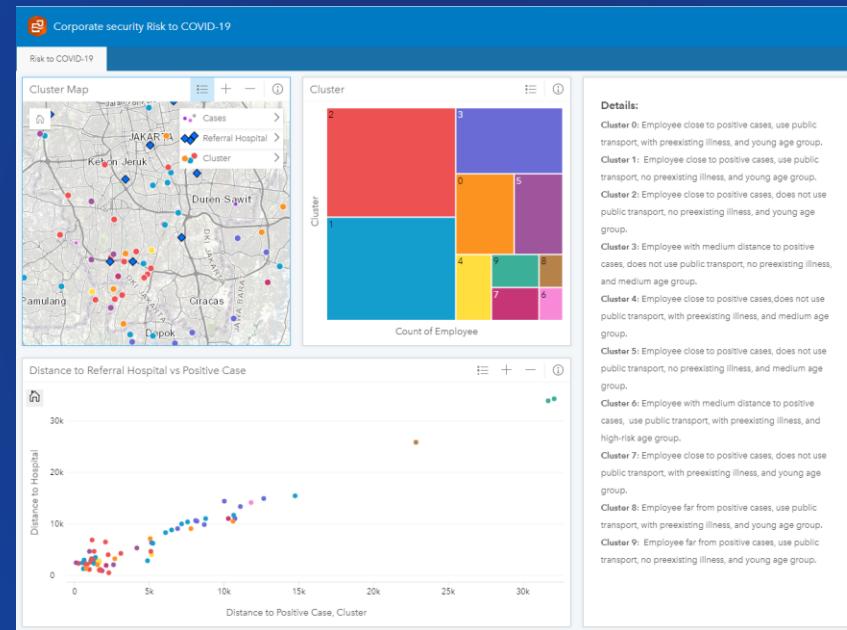
## SICOVID-19 UI



## Hub UB COVID-19



## Corporate Security



# Resources

## Global

- COVID-19 GIS Hub : [\*\*\*https://coronavirus-resources.esri.com/\*\*\*](https://coronavirus-resources.esri.com/)

## Indonesia

- BNPB InaCOVID-19 : [\*\*\*http://bnpb-inacovid19.hub.arcgis.com\*\*\*](http://bnpb-inacovid19.hub.arcgis.com)
- COVID-19 Dashboard BIG : [\*\*\*https://portal.ina-sdi.or.id/big-lawan-covid19-web/\*\*\*](https://portal.ina-sdi.or.id/big-lawan-covid19-web/)
- COVID-19 Kota Tangerang : [\*\*\*https://maps.tangerangkota.go.id/corona/\*\*\*](https://maps.tangerangkota.go.id/corona/)
- SICOVID-19 UI : [\*\*\*https://sicovid19-geography-ui.hub.arcgis.com/\*\*\*](https://sicovid19-geography-ui.hub.arcgis.com/)
- Hub UB COVID-19 : [\*\*\*https://brawijaya-jatim-covid19-ub-gis.hub.arcgis.com/\*\*\*](https://brawijaya-jatim-covid19-ub-gis.hub.arcgis.com/)

# *Complimentary Materials*

Panduan Manajemen Pandemi COVID-19 dengan ArcGIS Hub:

**<http://tiny.cc/ManajemenPandemiCOVID19>**

Playlist Youtube “ArcGIS Online for Dummies”:

**<http://tiny.cc/ArcGISOnlineforDummies>**



# THE SCIENCE OF WHERE™

Transforming the world by unlocking data's full potential