Dashboards for COVID-19 Response

C&C HONOLULU DEPARTMENT OF EMERGENCY MANAGEMENT

MEGAN CANNIFF, PLANNER

AUGUST 2022

Background

March 2020
May 2020

February 2021

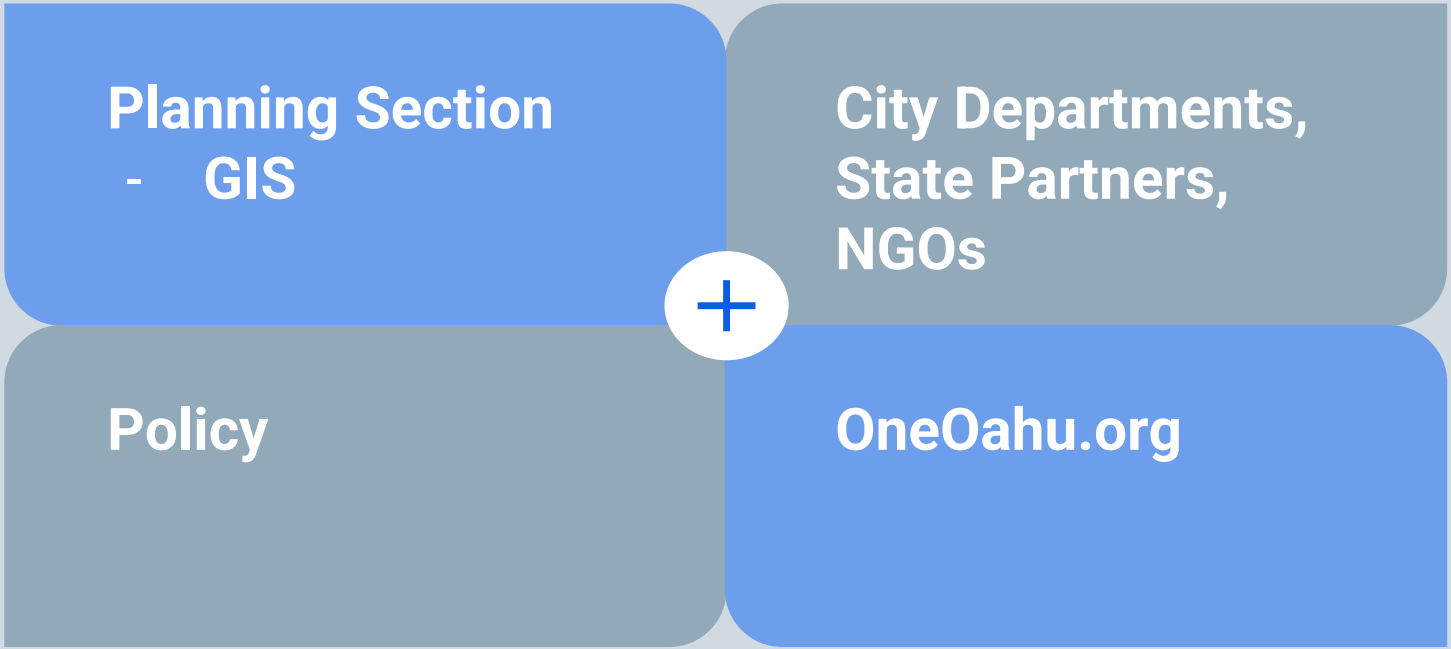
Why Dashboards?

Incident Objective: Identify information requirements and establish reporting mechanisms to provide visibility of incident and inform City decision-makers.

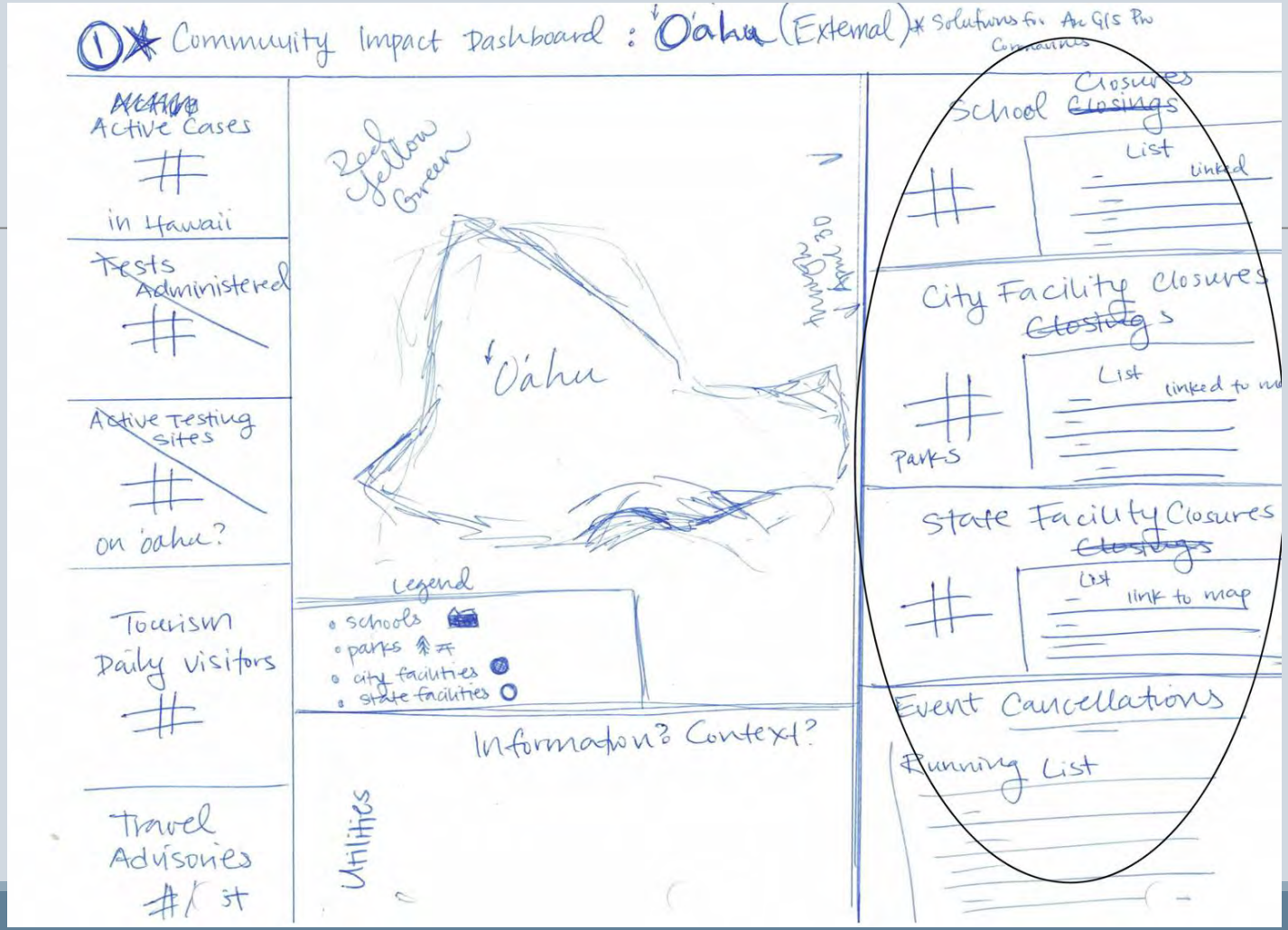
Tactical Priorities (Planning/PIO): Situational Awareness-Dashboards

- City Department Status
- COVID Case #s
- City Operations

How: Collaboration in the EOC



human Services: C & C Honolulu – format data
Unemployment
List
Emergency Feeding Sites
(open / closed
Legend:
school emergency feeding
park feeding sites
PIT Density
Homeless Resources
Popup:
item details
Oahu
Map
scale dependent
Population
Residents:
HH
Avg HH size
Median Age
Businesses
total
Employees
65+
<18
Avg Visitor Pop
Military Dep.
City Workers
total
age
by dept
dept
by dept
Poverty / Risk Factors
HH
ALICE HH
include
HH w/ disability
HH w/out vehicle
Medical
total hospitals
beds available
total assisted living
beds + openings
total adult res. care homes
total Homeless pop
sheltered
unsheltered
age? / location?
veterans


1 Community Impact Dashboard : 'Oahu (External) * Solutions for ArcGIS Pro Communities
Active Cases
in Hawaii
Tests Administered
Active Testing sites
on oahu?
Tourism
Daily visitors
Travel Advisories
#/ st
Red Yellow Green
'Oahu
Legend
schools
parks
city facilities
state facilities
Information? Context?
Utilities
School Closures
List
linked
City Facility Closures
List
linked to
Parks
State Facility Closures
List
link to map
Event Cancellations
Running List

Situational Awareness COVID-19 C&C HNL

No issues detected × | Edit × | A Story Map

1. COVID-19 Updates for Honolulu | 2. PPE Inventory | 3. City Profile | 4. Medical Data | EOC Information

Operations Dashboard COVID-19 City & County of Honolulu

Total Cases: O'ahu

551

Since Last Report: 25

Released: 428 (Since Last Report: 2)

Total Deaths: 11 (Since Last Report: 0)

Total Cases: Statewide*

789

Since Last Report: 27

Updated: 6/19/2020

Source: State DOH *presumptive positive

Released: 642 (Since Last Report: 2)

Deaths: 17 (Since Last Report: 0)

Curve | New Cases | DOH Epi Curve | Cases by Race | Hospitalizations by Age Group | Nationwide

City Helpline Tracking:

Total Calls: 13,313 (OneOahu.org)

Total Emails: 5,826 (OneOahu.org)

497,713 total website hits

241,840 unique visitors

As of 6/16/2020, 5:00:00 PM

Total Volume | Volume/ Time | Category

Passenger Arrivals by Air: HNL

Source: HTA

Average Passenger Type: Last 7 Days

Arrivals 6/18/2020, 12:00 PM

1547

Group | Trends

State and Clinical Lab Testing:

Source: COVID Tracking Project

For more detail and analysis: DOH Testing

Negative: 67,057

Positive: 803 (1.2%)

As of 6/20/2020, 8:00 AM

State | Trend (State) | City-Supported

Unemployment Insurance*:

*not the same as total unemployment. Source: DBEDT

initial claims this week:* Oahu: 4,555 (169,209 this year)

initial claims this week:* Statewide: 7,272 (278,732 this year)

*for the week ending in 6/13/2020, 12:00:00 PM

UI | Trend

Public Audience:

ONEOAHU.ORG

PUBLIC- A FEW WEEKS AFTER 1ST DASHBOARD

City and County of Honolulu COVID-19 Response Dashboard

No issues detected × | Edit × | www.oneoahu.org

COVID-19 Information | City Operations

https://www.oneoahu.org/dashboard

Total Cases: O'ahu

638

Last 24 Hours: 2

Released from Isolation: 505
Last 24 Hours:

Deaths: 12
Last 24 Hours: 0

Total Cases: Statewide*

900

Last 24 Hours: 2

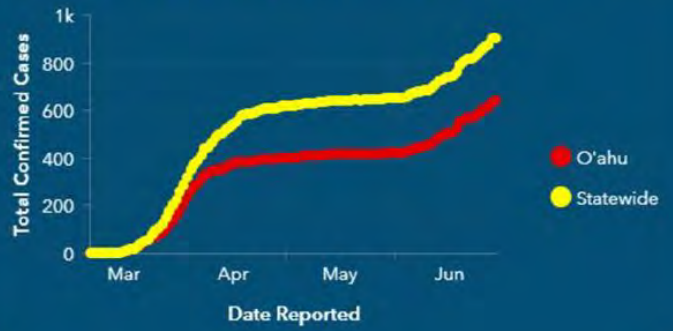
Source: HDOH Updated: 6/29/2020

*presumptive positive and confirmed

Released from Isolation: 722
Last 24 Hours:

Deaths: 18
Last 24 Hours: 0

Cumulative COVID-19 Case Totals:



Curve

COVID-19 Cases in the US

Source: Johns Hopkins University

Total Confirmed Cases: 2,588,020

As of 6/29/2020, 3:33 PM

US Cases Total | Released %

Total Statewide Lab Tests:

Source: COVID Tracking Project

For more data and

Negative: 74,606

Positive: 872

As of 6/27/2020, 8:00 AM

Group | City-Supported

Unemployment Insurance*:

*not the same as total unemployment. Source: DBEDT

Daily Passenger Arrivals by Air: HNL

Source: Hawai'i Tourism Authority

Average Passenger Type: Last 7 Days

Data for 6/28/2020, 12:00 PM

1479

Group | Trend

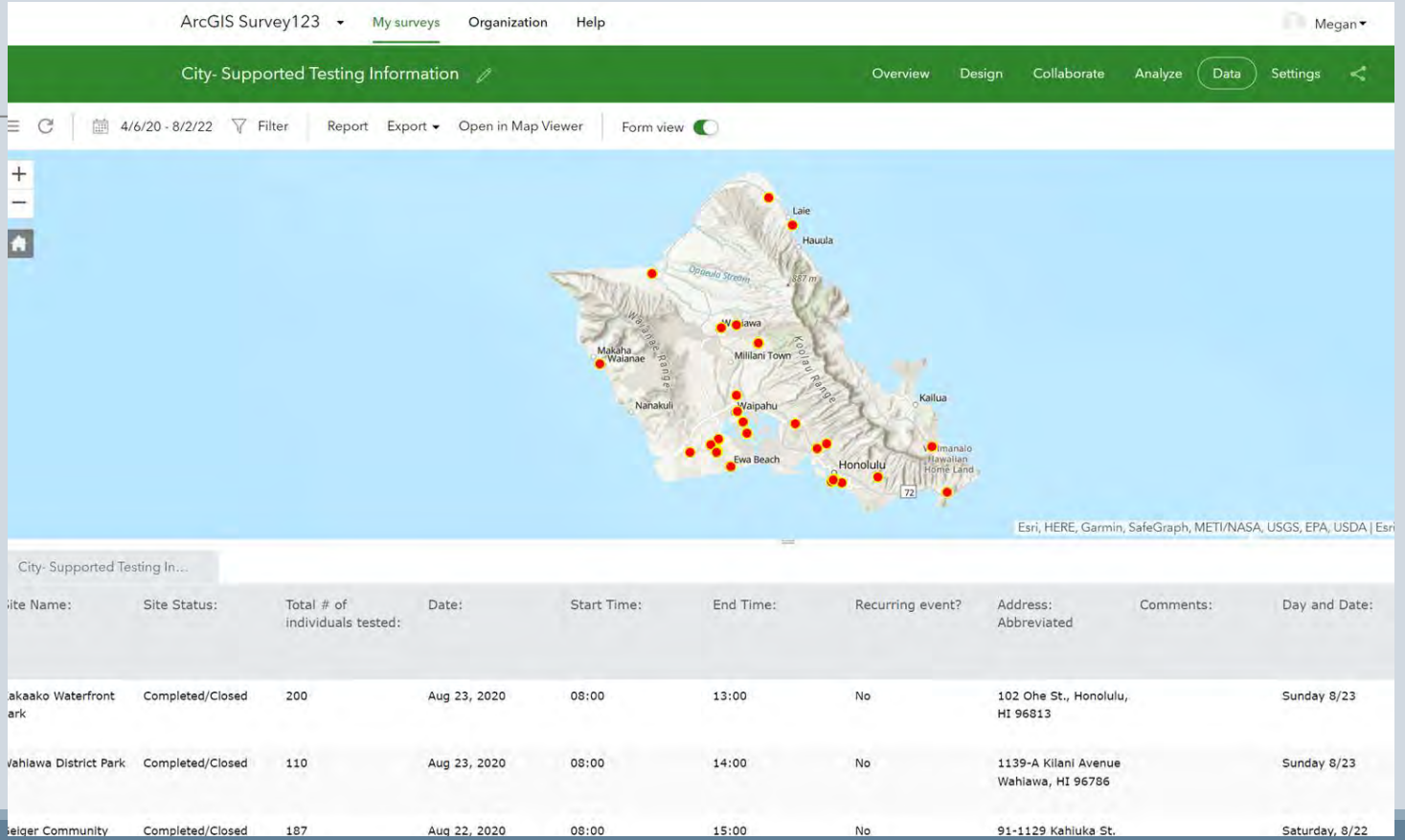
esri A Story Map

EOC Partner Tools vs Public-Facing

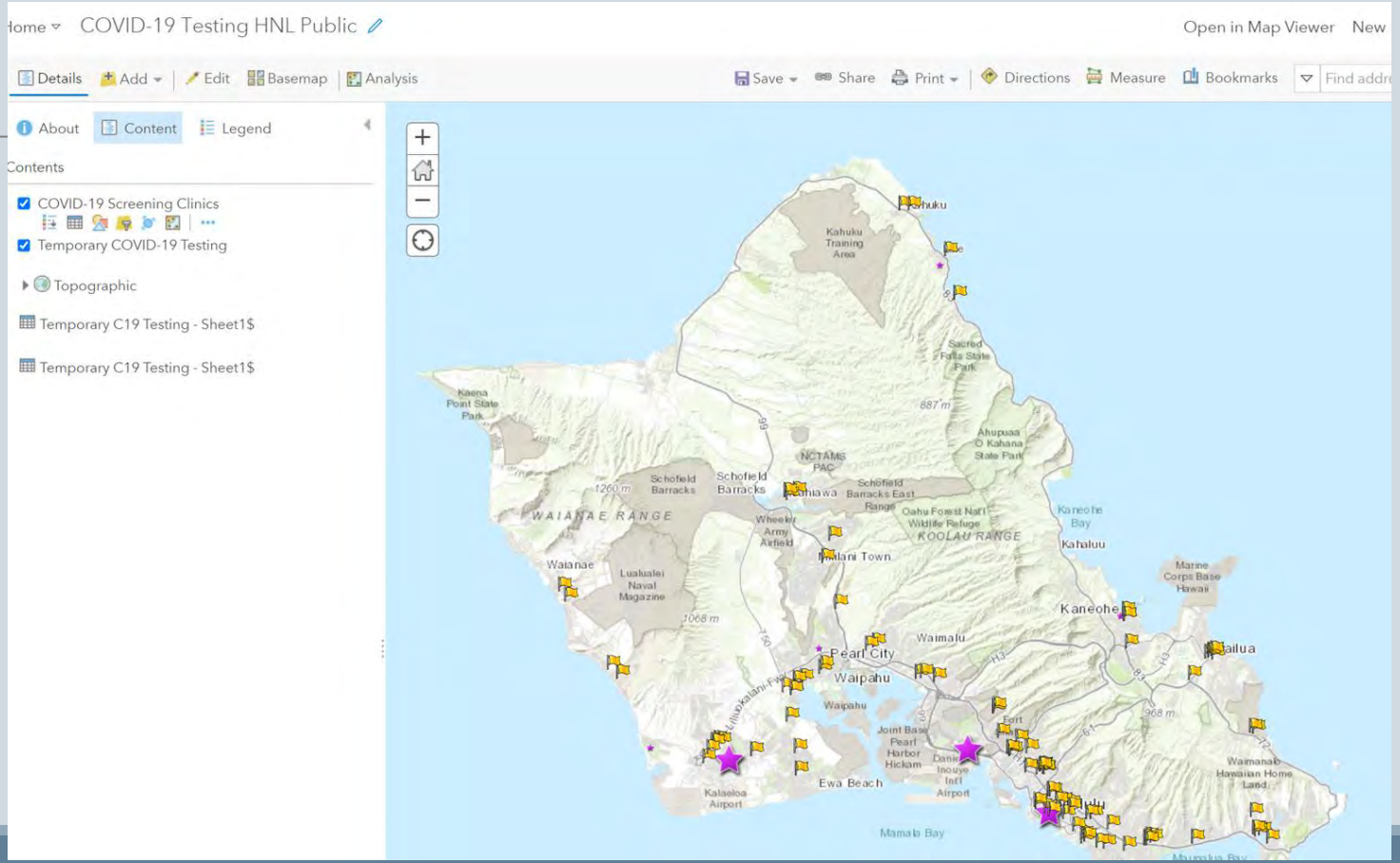
1. Immediate Feedback vs. Quantitative (# of Views)
2. Interactivity vs. Simplicity
3. Central Screen vs. Mobile Access
4. Verified Information

Bones of a Dashboard-Testing Locator

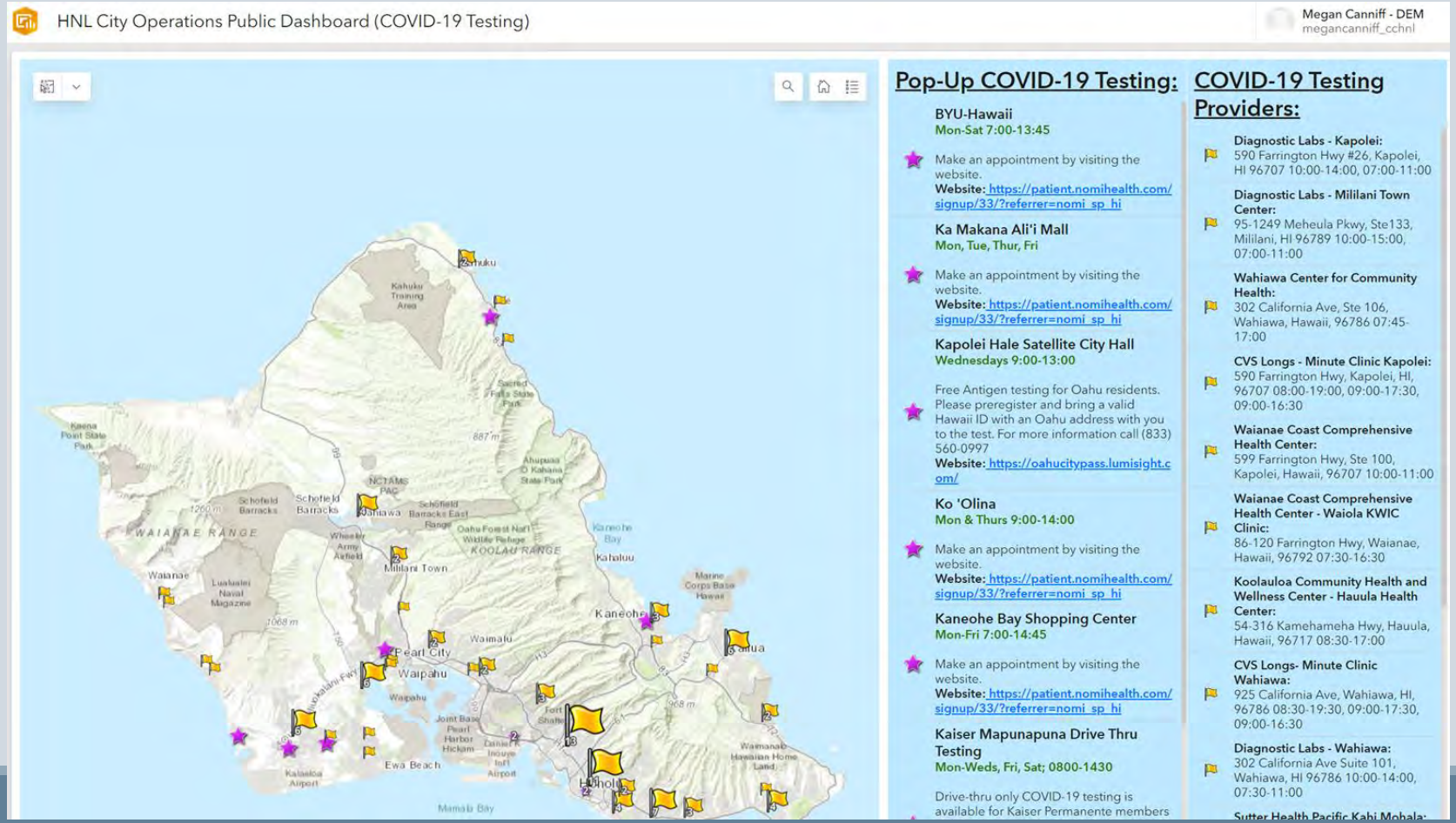
1. **Data** (Hosted Feature Layer)



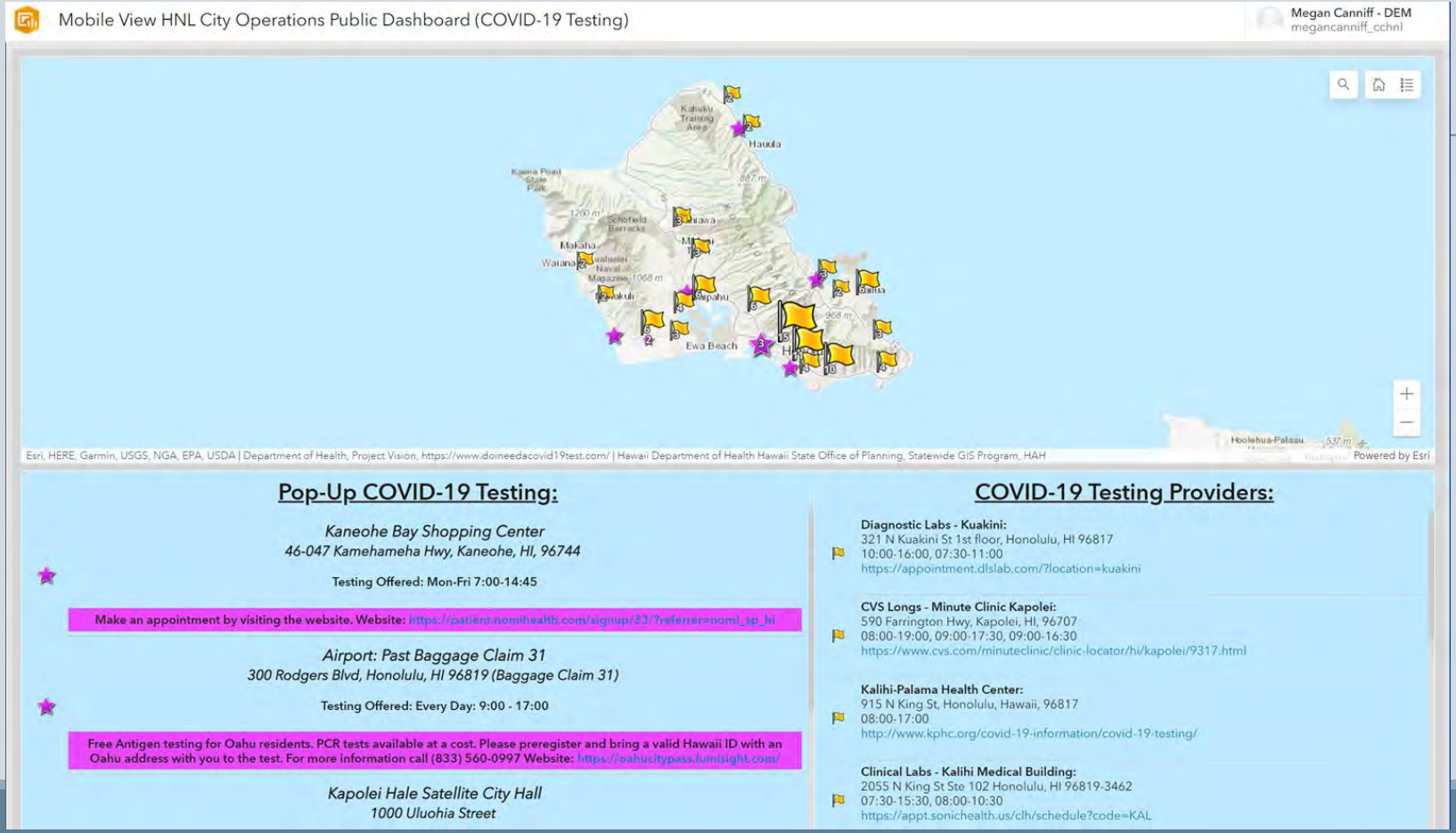
2. **WebMap** (symbology)



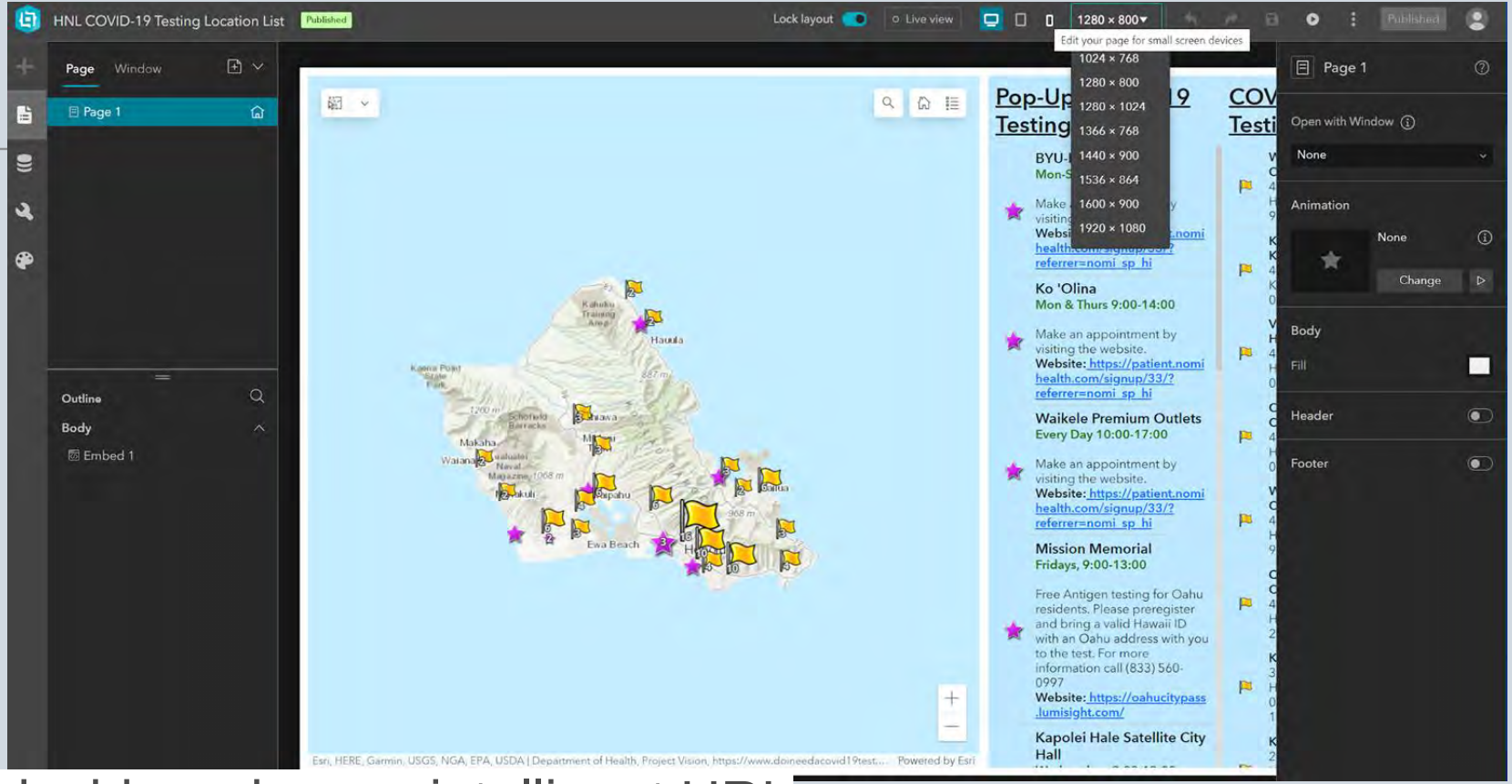
3a. Dashboard- Desktop



3b. Dashboard - Mobile



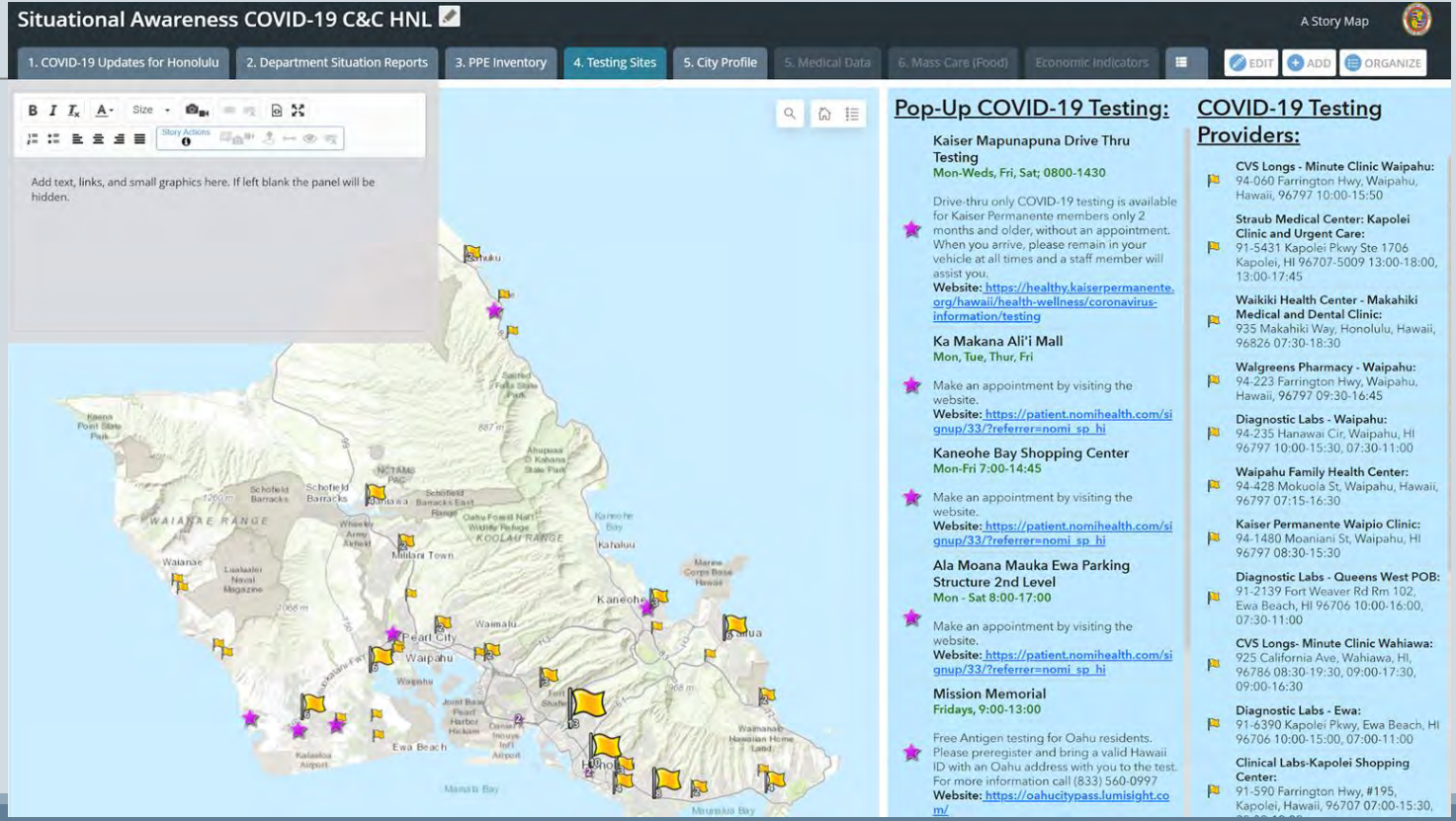
4. Experience Builder



Two dashboards, one intelligent URL

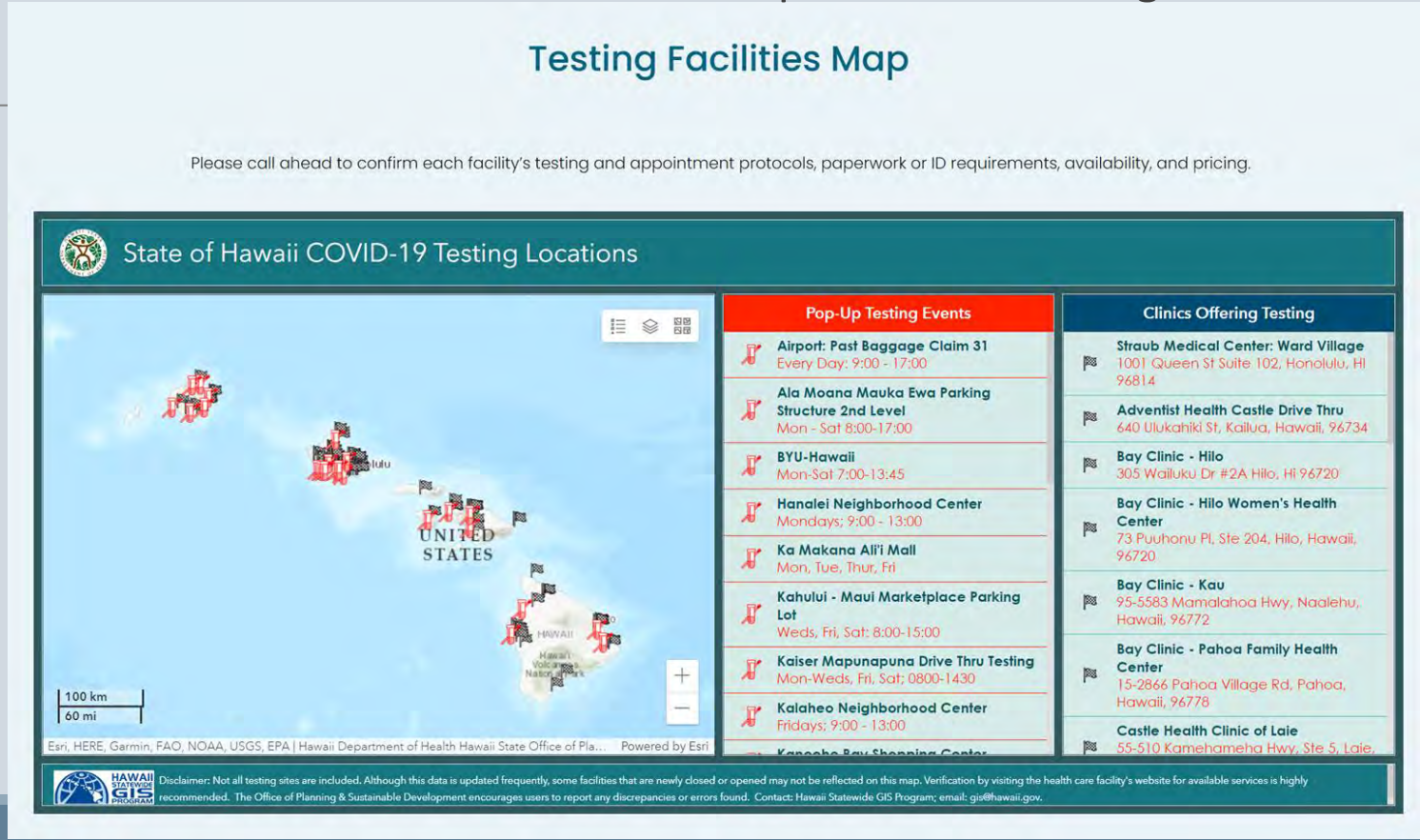
5. Story Map

access without leaving the page



6. Embedded Dashboard

This is the Hawaii State GIS Office Map on OneOahu.org:



Impact

- Exposure of ArcGIS
- Data collection processes and pathways
- Opportunities to collaborate across departments, levels of government

Lessons Learned

1. Measure what matters- each part needs to have a purpose and contribute to the narrative
2. Quality of the data impacts degree of situational awareness (buy-in often just as important than technical know-how)

IT'S HURRICANE SEASON!

JUNE 1ST - NOVEMBER 30TH

NOW IS THE TIME TO PREPARE YOUR HOME & COMMUNITY

CLICK HERE TO CHECK OUT PREPAREDNESS TOOLS

HONOLULU.GOV/DEM/HURRICANE

Thank you!

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