

# Dashboards for COVID-19 Response

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C&C HONOLULU DEPARTMENT OF EMERGENCY MANAGEMENT

MEGAN CANNIFF, PLANNER

AUGUST 2022

# Background

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March 2020

May 2020

February 2021



# Why Dashboards?

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**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

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**Planning Section**  
- GIS

**City Departments,  
State Partners,  
NGOs**

+

**Policy**

**OneOahu.org**

human services: c&c Honolulu - finest data

### Unemployment

popup: item details

Oahu Map

Legend:

- school emergency feeding \*
- park feeding sites ○
- PIT Density
  - >
  - 
  - <
- Homeless Resources
  - ☒
  - ☑

Scale dependent

List  
Emergency Feeding Sites  
(open/closed)

### Population

Residents: # ✓  
 # ✓ HH  
 # Avg HH size  
 # Median Age

Businesses  
 # total  
 # Employees

City Workers  
 # total  
 # age by dept  
 # dept by dept

# ✓ 65+  
 # ✓ <18  
 # Avg Visitor POP  
 # Military Dep.

### Poverty/Risk Factors

# % HH  
 # % # ALICE HH

~~Medical~~

# HH w/ disability  
 # HH w/out vehicle

# total Homeless pop  
 # % Sheltered  
 # % unsheltered

age? / location?  
 # veterans

include

### Medical


# total hospitals → # beds available

# total assisted living → # beds + openings

# total adult res. care homes



# ① \* Community Impact Dashboard : Oahu (External) \* Solutions for ArcGIS Pro

<p><del>Active Cases</del> Active Cases #</p> <p>in Hawaii</p>	<p>Red Yellow Green</p>  <p>Legend</p> <ul style="list-style-type: none"> <li>schools</li> <li>parks</li> <li>city facilities</li> <li>state facilities</li> </ul>	<p>School Closures Closings</p> <p>#</p> <p>List linked</p>
<p><del>Tests Administered</del> Tests Administered #</p>		<p>City Facility Closures Closings</p> <p>#</p> <p>Parks</p> <p>List linked to map</p>
<p><del>Active Testing sites</del> Active Testing sites #</p> <p>on Oahu?</p>	<p>Utilities</p> <p>Information? Context?</p>	<p>State Facility Closures Closings</p> <p>#</p> <p>List link to map</p>
<p>Tourism Daily visitors #</p>		<p>Event Cancellations</p> <p>Running List</p>
<p>Travel Advisories # / st</p>		



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: Total Deaths:

**428** **11**

Since Last Report: 2 Since Last Report: 0

Total Cases: Statewide\*

**789**

Since Last Report: 27

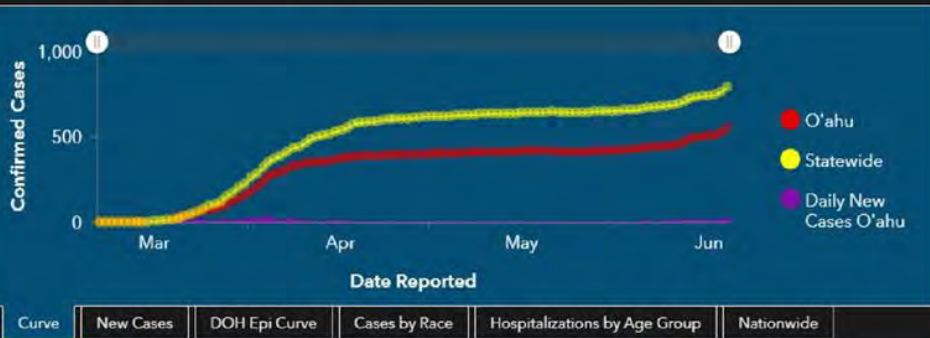
Updated: 6/19/2020

Source: State DCH \*presumptive positive

Released: Deaths:

**642** **17**

Since Last Report: 2 Since Last Report: 0



### City Helpline Tracking:

Total Calls:

**13,313**

OneOahu.org

**497,713**

total website hits

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

Total Emails:

**5,826**

OneOahu.org

**241,840**

unique visitors

Buttons: 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**



Buttons: 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

Buttons: State, Trend (State), City-Supported

### Unemployment Insurance\*:

\*not the same as total unemployment. Source: DSED

total claims this week\* O'ahu

**4,555**

169,209 this year

total claims this week\* Statewide

**7,272**

278,732 this year

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

Buttons: UI, Trend

# Public Audience:

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ONEOAHU.ORG

PUBLIC- A FEW WEEKS AFTER 1<sup>ST</sup> DASHBOARD





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**

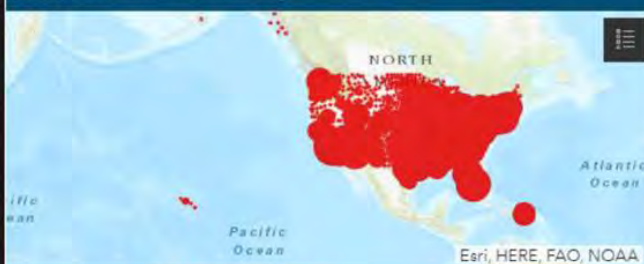
Last 24 Hours: 0

## Cumulative COVID-19 Case Totals:



## 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**



- Crew: 12%
- Resident: 30%
- Visitor: 25%
- Intended Resident: 5%
- Transit: 10%

Group

Trend

# EOC Partner Tools vs Public-Facing

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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


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# 1. Data (Hosted Feature Layer)

ArcGIS Survey123 My surveys Organization Help Megan

City- Supported Testing Information Overview Design Collaborate Analyze Data Settings

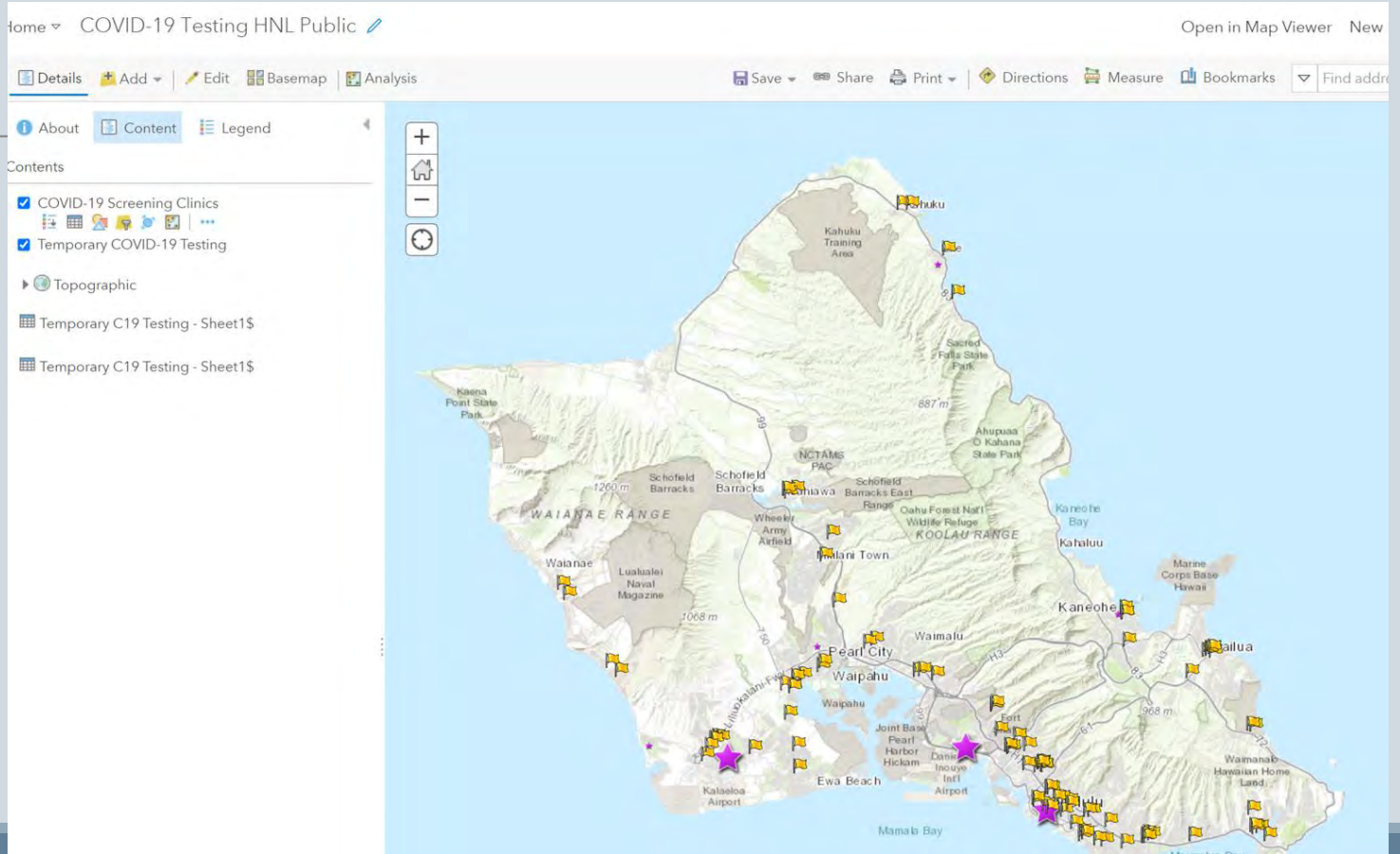
4/6/20 - 8/2/22 Filter Report Export Open in Map Viewer Form view



City- Supported Testing In...

Site Name:	Site Status:	Total # of individuals tested:	Date:	Start Time:	End Time:	Recurring event?	Address: Abbreviated	Comments:	Day and Date:
Maakaiko Waterfront Park	Completed/Closed	200	Aug 23, 2020	08:00	13:00	No	102 Ohe St., Honolulu, HI 96813		Sunday 8/23
Wahiawa District Park	Completed/Closed	110	Aug 23, 2020	08:00	14:00	No	1139-A Kilani Avenue Wahiawa, HI 96786		Sunday 8/23
Belger Community	Completed/Closed	187	Aug 22, 2020	08:00	15:00	No	91-1129 Kahiuka St.		Saturday, 8/22

# 2. WebMap (symbology)



# 3a. Dashboard- Desktop



## Pop-Up COVID-19 Testing: COVID-19 Testing Providers:

**BYU-Hawaii**  
Mon-Sat 7:00-13:45

- ★ Make an appointment by visiting the website.  
**Website:** [https://patient.nomihealth.com/signup/33/?referrer=nomi\\_sp\\_hi](https://patient.nomihealth.com/signup/33/?referrer=nomi_sp_hi)

**Ka Makana Ali'i Mall**  
Mon, Tue, Thur, Fri

- ★ Make an appointment by visiting the website.  
**Website:** [https://patient.nomihealth.com/signup/33/?referrer=nomi\\_sp\\_hi](https://patient.nomihealth.com/signup/33/?referrer=nomi_sp_hi)

**Kapolei Hale Satellite City Hall**  
Wednesdays 9:00-13:00

- ★ Free Antigen testing for Oahu residents. Please preregister and bring a valid Hawaii ID with an Oahu address with you to the test. For more information call (833) 560-0997  
**Website:** <https://oahucitypass.lumisight.com/>

**Ko 'Olina**  
Mon & Thurs 9:00-14:00

- ★ Make an appointment by visiting the website.  
**Website:** [https://patient.nomihealth.com/signup/33/?referrer=nomi\\_sp\\_hi](https://patient.nomihealth.com/signup/33/?referrer=nomi_sp_hi)

**Kaneohe Bay Shopping Center**  
Mon-Fri 7:00-14:45

- ★ Make an appointment by visiting the website.  
**Website:** [https://patient.nomihealth.com/signup/33/?referrer=nomi\\_sp\\_hi](https://patient.nomihealth.com/signup/33/?referrer=nomi_sp_hi)

**Kaiser Mapunapuna Drive Thru Testing**  
Mon-Weds, Fri, Sat; 0800-1430

- ★ Drive-thru only COVID-19 testing is available for Kaiser Permanente members

**Diagnostic Labs - Kapolei:**  
590 Farrington Hwy #26, Kapolei, HI 96707 10:00-14:00, 07:00-11:00

**Diagnostic Labs - Mililani Town Center:**  
95-1249 Meheula Pkwy, Ste 133, Mililani, HI 96789 10:00-15:00, 07:00-11:00

**Wahiawa Center for Community Health:**  
302 California Ave, Ste 106, Wahiawa, Hawaii, 96786 07:45-17:00

**CVS Longs - Minute Clinic Kapolei:**  
590 Farrington Hwy, Kapolei, HI, 96707 08:00-19:00, 09:00-17:30, 09:00-16:30

**Waianae Coast Comprehensive Health Center:**  
599 Farrington Hwy, Ste 100, Kapolei, Hawaii, 96707 10:00-11:00

**Waianae Coast Comprehensive Health Center - Waiola KWIC Clinic:**  
86-120 Farrington Hwy, Waianae, Hawaii, 96792 07:30-16:30

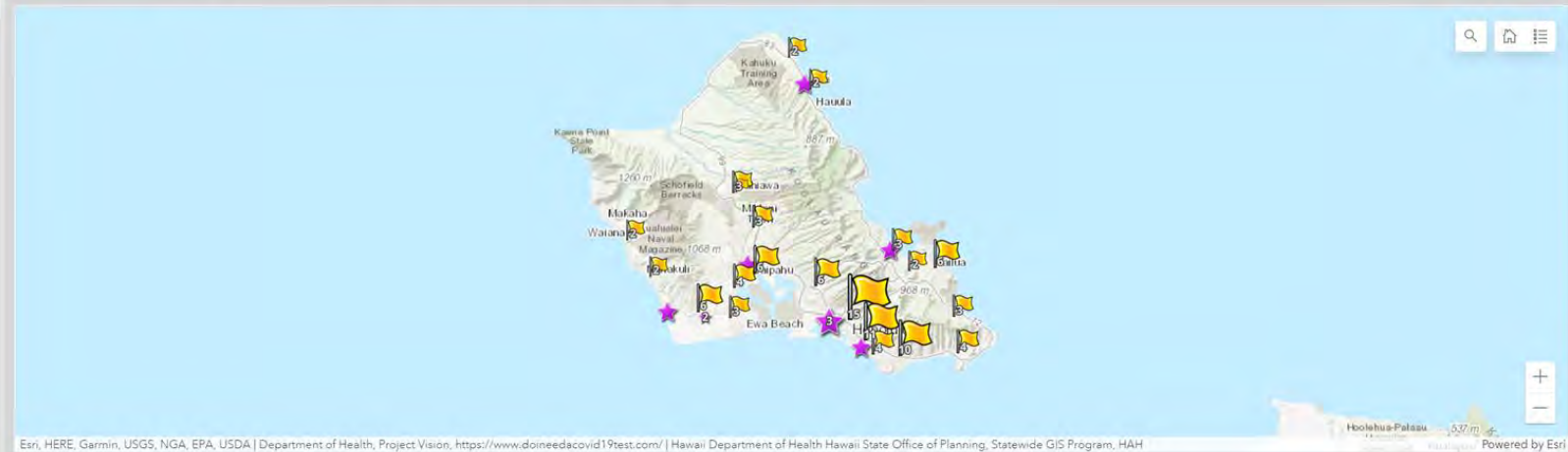
**Koolauloa Community Health and Wellness Center - Hauula Health Center:**  
54-316 Kamehameha Hwy, Hauula, Hawaii, 96717 08:30-17:00

**CVS Longs - Minute Clinic Wahiawa:**  
925 California Ave, Wahiawa, HI, 96786 08:30-19:30, 09:00-17:30, 09:00-16:30

**Diagnostic Labs - Wahiawa:**  
302 California Ave Suite 101, Wahiawa, HI 96786 10:00-14:00, 07:30-11:00

**Sutter Health Pacific Kahi Mohala**

# 3b. Dashboard - Mobile



Esri, HERE, Garmin, USGS, NGA, EPA, USDA | Department of Health, Project Vision, <https://www.doineedacovid19test.com/> | Hawaii Department of Health Hawaii State Office of Planning, Statewide GIS Program, HAH

Hoolehua-Palehua 537 m  
Kalahele  
Powered by Esri

## Pop-Up COVID-19 Testing:

**Kaneohe Bay Shopping Center**  
46-047 Kamehameha Hwy, Kaneohe, HI, 96744

Testing Offered: Mon-Fri 7:00-14:45

Make an appointment by visiting the website. Website: [https://patient.nomilhealth.com/signup/33/?referrer=nomi\\_sp\\_hi](https://patient.nomilhealth.com/signup/33/?referrer=nomi_sp_hi)

**Airport: Past Baggage Claim 31**  
300 Rodgers Blvd, Honolulu, HI 96819 (Baggage Claim 31)

Testing Offered: Every Day: 9:00 - 17:00

Free Antigen testing for Oahu residents. PCR tests available at a cost. Please preregister and bring a valid Hawaii ID with an Oahu address with you to the test. For more information call (833) 560-0997 Website: <https://oahucitypass.lumtsight.com/>

**Kapolei Hale Satellite City Hall**  
1000 Uluhia Street

## COVID-19 Testing Providers:

### Diagnostic Labs - Kuakini:

321 N Kuakini St 1st floor, Honolulu, HI 96817  
10:00-16:00, 07:30-11:00  
<https://appointment.dlslab.com/?location=kuakini>

### CVS Longs - Minute Clinic Kapolei:

590 Farrington Hwy, Kapolei, HI, 96707  
08:00-19:00, 09:00-17:30, 09:00-16:30  
<https://www.cvs.com/minuteclinic/clinic-locator/hi/kapolei/9317.html>

### Kalihi-Palama Health Center:

915 N King St, Honolulu, Hawaii, 96817  
08:00-17:00  
<http://www.kphc.org/covid-19-information/covid-19-testing/>

### Clinical Labs - Kalihi Medical Building:

2055 N King St Ste 102 Honolulu, HI 96819-3462  
07:30-15:30, 08:00-10:30  
<https://appt.sonichealth.us/clh/schedule?code=KAL>

# 4. Experience Builder

The screenshot displays the Salesforce Experience Builder interface for a page titled "HNL COVID-19 Testing Location List". The page is published and is currently in a desktop view (1280 x 800). The interface includes a left-hand navigation pane with "Page" and "Window" tabs, and a right-hand configuration pane for "Page 1".

The main content area features a map of Oahu, Hawaii, with several yellow location pins indicating testing sites. A "Pop-Up Testing" sidebar is open on the right, listing the following testing locations:

- BYU**  
Mon-Sat  
Make an appointment by visiting the website.  
Website: [https://patient.nomi.health.com/signup/33/?referrer=nomi\\_sp\\_hi](https://patient.nomi.health.com/signup/33/?referrer=nomi_sp_hi)
- Ko'Olina**  
Mon & Thurs 9:00-14:00  
Make an appointment by visiting the website.  
Website: [https://patient.nomi.health.com/signup/33/?referrer=nomi\\_sp\\_hi](https://patient.nomi.health.com/signup/33/?referrer=nomi_sp_hi)
- Waikale Premium Outlets**  
Every Day 10:00-17:00  
Make an appointment by visiting the website.  
Website: [https://patient.nomi.health.com/signup/33/?referrer=nomi\\_sp\\_hi](https://patient.nomi.health.com/signup/33/?referrer=nomi_sp_hi)
- Mission Memorial**  
Fridays, 9:00-13:00  
Free Antigen testing for Oahu residents. Please preregister and bring a valid Hawaii ID with an Oahu address with you to the test. For more information call (833) 560-0997  
Website: <https://oahucitypass.lumisight.com/>
- Kapolei Hale Satellite City Hall**

The bottom of the page shows the map's metadata: "Esri, HERE, Garmin, USGS, NGA, EPA, USDA | Department of Health, Project Vision, https://www.doineedacovid19test... Powered by Esri".

Two dashboards, one intelligent URL



# 5. Story Map

access without leaving  
the page

Situational Awareness COVID-19 C&C HNL

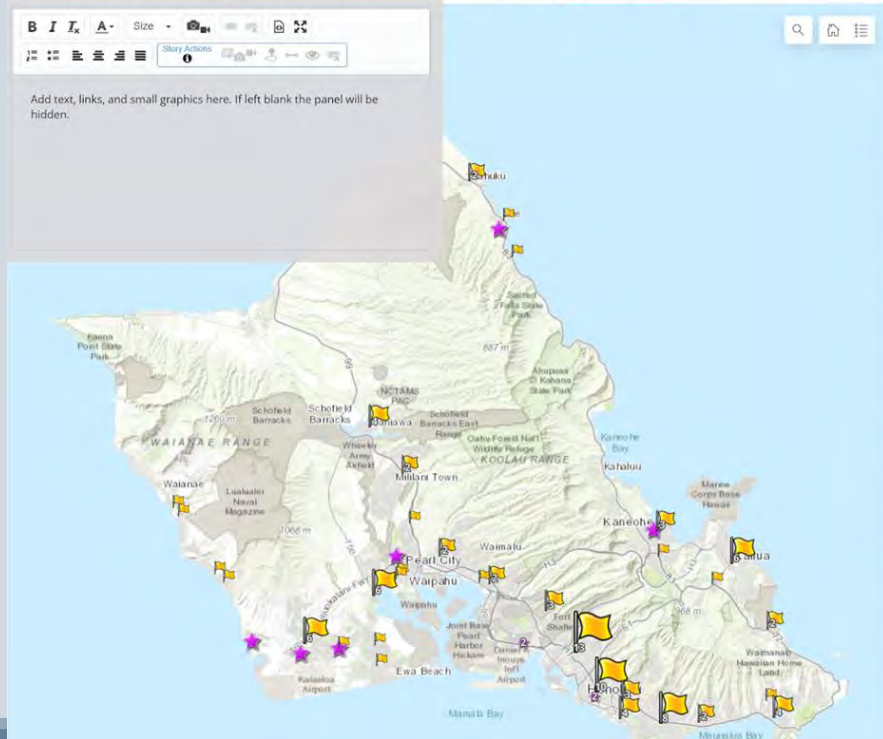
A Story Map

1. COVID-19 Updates for Honolulu 2. Department Situation Reports 3. PPE Inventory 4. Testing Sites 5. City Profile 6. Medical Data 7. Mass Care (Food) 8. Economic Indicators

EDIT ADD ORGANIZE

B I X A - Size Story Actions

Add text, links, and small graphics here. If left blank the panel will be hidden.



**Pop-Up COVID-19 Testing:**

**Kaiser Mapunapuna Drive Thru Testing**  
Mon-Weds, Fri, Sat; 0800-1430

Drive-thru only COVID-19 testing is available for Kaiser Permanente members only 2 months and older, without an appointment. When you arrive, please remain in your vehicle at all times and a staff member will assist you.  
Website: <https://healthy.kaiserpermanente.org/hawaii/health-wellness/coronavirus-information/testing>

**Ka Makana Ali'i Mall**  
Mon, Tue, Thur, Fri

Make an appointment by visiting the website.  
Website: [https://patient.nomihealth.com/signup/33?referrer=nomi\\_sp\\_hi](https://patient.nomihealth.com/signup/33?referrer=nomi_sp_hi)

**Kaneohe Bay Shopping Center**  
Mon-Fri 7:00-14:45

Make an appointment by visiting the website.  
Website: [https://patient.nomihealth.com/signup/33?referrer=nomi\\_sp\\_hi](https://patient.nomihealth.com/signup/33?referrer=nomi_sp_hi)

**Ala Moana Mauka Ewa Parking Structure 2nd Level**  
Mon - Sat 8:00-17:00

Make an appointment by visiting the website.  
Website: [https://patient.nomihealth.com/signup/33?referrer=nomi\\_sp\\_hi](https://patient.nomihealth.com/signup/33?referrer=nomi_sp_hi)

**Mission Memorial**  
Fridays, 9:00-13:00

Free Antigen testing for Oahu residents. Please preregister and bring a valid Hawaii ID with an Oahu address with you to the test. For more information call (833) 560-0997  
Website: <https://oahucitypass.lumisight.com/>

**COVID-19 Testing Providers:**

**CVS Longs - Minute Clinic Waipahu:**  
94-060 Farrington Hwy, Waipahu, Hawaii, 96797 10:00-15:50

**Straub Medical Center: Kapolei Clinic and Urgent Care:**  
91-5431 Kapolei Pkwy, Ste 1706 Kapolei, HI 96707-5009 13:00-18:00, 13:00-17:45

**Waikiki Health Center - Makahiki Medical and Dental Clinic:**  
935 Makahiki Way, Honolulu, Hawaii, 96826 07:30-18:30

**Walgreens Pharmacy - Waipahu:**  
94-223 Farrington Hwy, Waipahu, Hawaii, 96797 09:30-16:45

**Diagnostic Labs - Waipahu:**  
94-235 Hanawai Cir, Waipahu, HI 96797 10:00-15:30, 07:30-11:00

**Waipahu Family Health Center:**  
94-428 Mokuola St, Waipahu, Hawaii, 96797 07:15-16:30

**Kaiser Permanente Waipio Clinic:**  
94-1480 Moaniani St, Waipahu, HI 96797 08:30-15:30

**Diagnostic Labs - Queens West POB: Structure 2nd Level**  
91-2139 Fort Weaver Rd Rm 102, Ewa Beach, HI 96706 10:00-16:00, 07:30-11:00

**CVS Longs - Minute Clinic Wahiawa:**  
925 California Ave, Wahiawa, HI, 96786 08:30-19:30, 09:00-17:30, 09:00-16:30

**Diagnostic Labs - Ewa:**  
91-6390 Kapolei Pkwy, Ewa Beach, HI 96706 10:00-15:00, 07:00-11:00

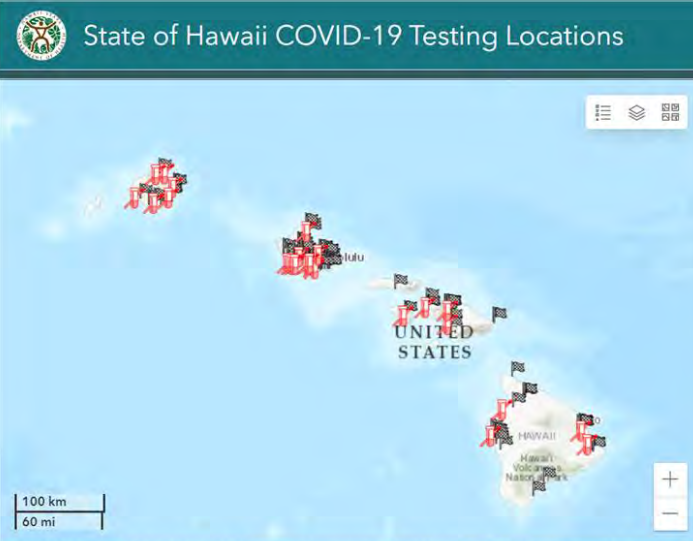
**Clinical Labs-Kapolei Shopping Center:**  
91-590 Farrington Hwy, #195, Kapolei, Hawaii, 96707 07:00-15:30, 08:30-12:00

# 6. Embedded Dashboard

















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

## Testing Facilities Map


Please call ahead to confirm each facility's testing and appointment protocols, paperwork or ID requirements, availability, and pricing.

 State of Hawaii COVID-19 Testing Locations

Map showing COVID-19 testing locations across the Hawaiian Islands. The map includes a scale bar (100 km / 60 mi) and a legend. The locations are categorized into Pop-Up Testing Events and Clinics Offering Testing.

Pop-Up Testing Events	Clinics Offering Testing
 <b>Airport: Past Baggage Claim 31</b> Every Day: 9:00 - 17:00	 <b>Straub Medical Center: Ward Village</b> 1001 Queen St Suite 102, Honolulu, HI 96814
 <b>Ala Moana Mauka Ewa Parking Structure 2nd Level</b> Mon - Sat 8:00-17:00	 <b>Adventist Health Castle Drive Thru</b> 640 Ulukahiki St, Kailua, Hawaii, 96734
 <b>BYU-Hawaii</b> Mon-Sat 7:00-13:45	 <b>Bay Clinic - Hilo</b> 305 Wailuku Dr #2A, Hilo, HI 96720
 <b>Hanalei Neighborhood Center</b> Mondays: 9:00 - 13:00	 <b>Bay Clinic - Hilo Women's Health Center</b> 73 Puuhonu Pl, Ste 204, Hilo, Hawaii, 96720
 <b>Ka Makana Ali'i Mall</b> Mon, Tue, Thur, Fri	 <b>Bay Clinic - Kau</b> 95-5583 Mamoahoa Hwy, Naalehu, Hawaii, 96772
 <b>Kahului - Maui Marketplace Parking Lot</b> Weds, Fri, Sat: 8:00-15:00	 <b>Bay Clinic - Pahoehoe Family Health Center</b> 15-2866 Pahoehoe Village Rd, Pahoehoe, Hawaii, 96778
 <b>Kaiser Manunapuna Drive Thru Testing</b> Mon-Weds, Fri, Sat; 0800-1430	 <b>Castle Health Clinic of Laie</b> 55-510 Kamehameha Hwy, Ste 5, Laie,
 <b>Kalaheo Neighborhood Center</b> Fridays: 9:00 - 13:00	
 <b>Kapoleke Bay Shopping Center</b>	

Esri, HERE, Garmin, FAO, NOAA, USGS, EPA | Hawaii Department of Health Hawaii State Office of Pla... Powered by Esri

 Disclaimer: Not all testing sites are included. Although this data is updated frequently, some facilities that are newly closed or opened may not be reflected on this map. Verification by visiting the health care facility's website for available services is highly recommended. The Office of Planning & Sustainable Development encourages users to report any discrepancies or errors found. Contact: Hawaii Statewide GIS Program; email: [gis@hawaii.gov](mailto:gis@hawaii.gov).

# Impact

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

# Lessons Learned

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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](https://honolulu.gov/dem/hurricane)  
**HONOLULU.GOV/DEM/HURRICANE**

# Thank you!

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Megan Canniff

Planner, City & County of Honolulu Department of Emergency Management

[megan.canniff@honolulu.gov](mailto:megan.canniff@honolulu.gov)

808-723-8936