



A collaboration with the
Hawaii State Department of Health

www.wearealohasafe.org

What is AlohaSafe?

AlohaSafe is a public/private partnership created in collaboration with the Hawaii State Department of Health promoting the health and safety of Hawaii residents and visitors.

AlohaSafe and the Hawaii State Department of Health will be rolling out a series of digital tools including Hawaii's official digital contact tracing application based on the Google/Apple Exposure Notification protocol.

Digital Contact Tracing Apps



Screening and Workplace Access Tools

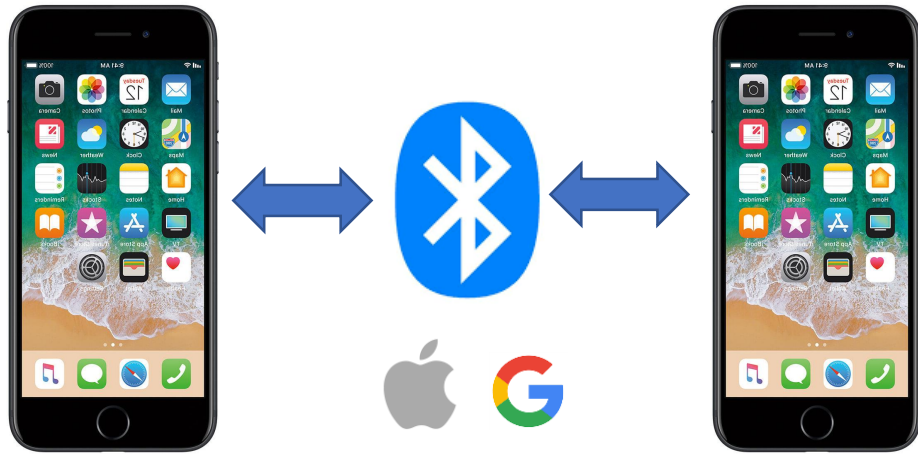


Important Note:

- Google and Apple are ONLY allowing COVID-related tracing apps submitted by the Hawaii State Department of Health to be available in their app stores.
- This is to prevent other rogue efforts from creating and submitting their own apps.
- All other COVID-related tracing apps not submitted by the Hawaii State Department of Health will be denied.



Device-to-Device



AlohaSafe Alert – Exposure Notifications

“Were you exposed to an infected individual?”

- Hawaii’s official Google/Apple Exposure Notification (GAEN) application
- GAEN protocol already embedded in the operating systems of Apple/Android devices
- Any digital contact tracing that don’t use GAEN won’t be effective.
- Need a “key” to access it. Only one key given to the public health authority at the state or country level
- The DOH has the key for Hawaii and is the only entity that can get the key from Apple/Google

Interaction



Devices talking

Kimo and Lani's devices are pinging each other during their interaction using low-energy Bluetooth transmitting and capturing random keys

Measurements

Their devices are also measuring the **signal strength, distance and duration of interaction**

Confirmed Positive

Kimo is later tested and is confirmed positive.



Kimo is contacted by a DOH contact tracer and tells them he has the GAEN app



DOH contact tracer gives Kimo a 6-digit code to enter into the AlohaSafe Alert app.



Kimo enters his 6-digit code and sends his list of keys to the server

Submit Keys

2



• Exposure notification

Signal strength = 5
Distance = 6 ft
Duration = 20 minutes

Kimo and Lani's interaction is measured and meets minimum exposure notification requirements



Lani receives a notification letting her know she "may have been exposed" and to call her primary care physician



Alert

Exposure Notification

4

- Confidential -

3

5

AlohaSafe Alert (GAEN App) Main Points & Summary:

1. All Apple/Android devices have the GAEN protocol in the operating system (1/3 of world's population)
2. Need a “key” (through an app) to access the GAEN protocol, only one “key” given to the public health authority at the state/country level
3. GAEN uses low-energy Bluetooth technology, enabling devices to communicate with each other
4. Users can control whether or not they receive notifications (can opt-in/opt-out anytime)
5. GAEN does NOT track location, just devices you've been exposed to
6. Notifications are only triggered if minimum thresholds are met.
7. Only the Hawaii State DOH can use this. Google/Apple cannot see your identity.

Some Google/Apple Exposure Network (GAEN) Adopters

(GAEN apps in development or released)

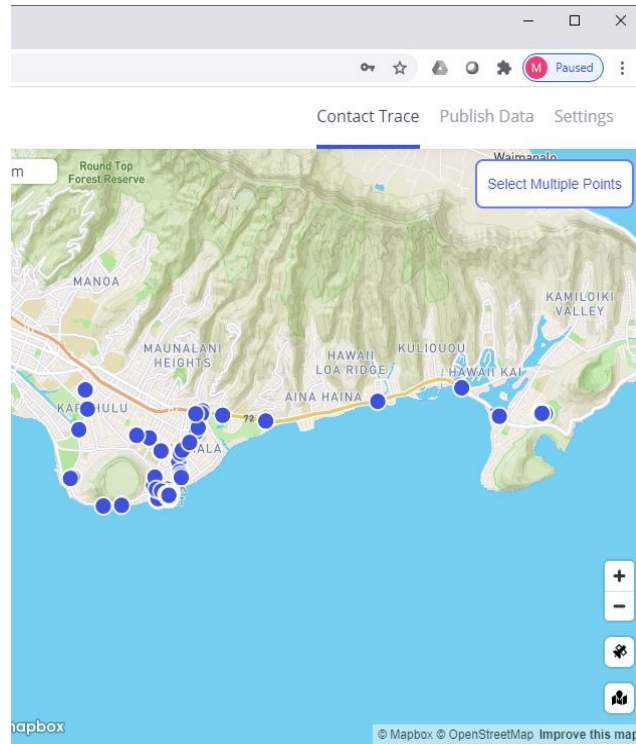
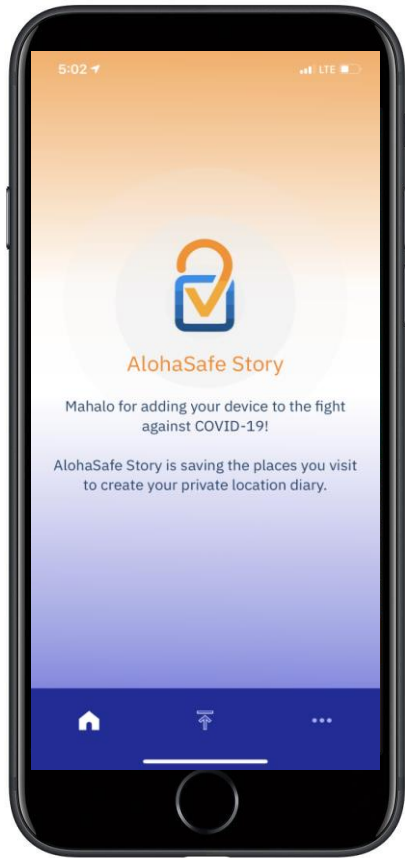
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- United Kingdom
- USA
 - Alabama
 - Arizona
 - Hawaii
 - Minnesota
 - Nevada
 - New Jersey
 - New York
 - North Dakota
 - Pennsylvania
 - South Carolina
 - Virginia
 - Wyoming

Source:

<https://www.xda-developers.com/google-apple-covid-19-contact-tracing-exposure-notifications-api-app-list-countries/>

APHL
National Key Server

- Association of Public Health Laboratories (APHL) is working with Google/Apple/Microsoft to create a National Key Server, which will bridge contacts across the country.
- An International Key Server is also being discussed.



AlohaSafe Story – Patient Memory Aid Tool

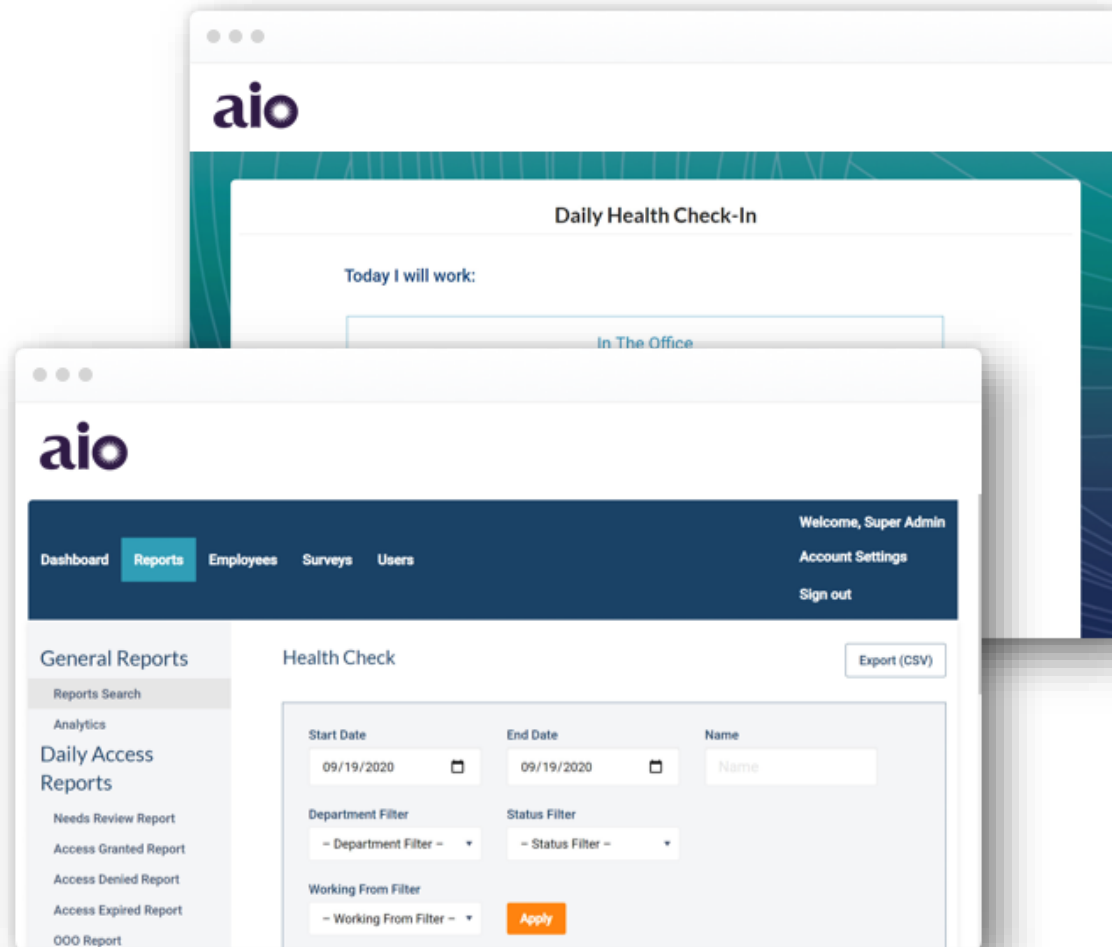
Location-based - “Where you’ve been”

- GPS memory aid tool to help patients remember where they’ve been
- Securely logs your location on your device every few minutes
- Allows patients to easily share their location history with the Hawaii Department of Health contact tracers with the click of a button
- Makes the contact tracing process much more efficient and accurate






Not DOH-affiliated




An enterprise-level screening and workplace access system

- CDC-aligned digital screening solution for large businesses and organizations
- Customizable to fit your operations and workflow
- No app needed – employees receive email notifications and reminders
- HR system integration
- Detailed reports and dashboards



ACCESS GRANTED

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**Valid from 7:40am until end of day on
September 18, 2020**

CLEARED TO WORK ONSITE

Thank you for completing the survey. You are now approved to work in the office. Please follow the Employee RTO Guide for information regarding on-site work safety protocols at all times.



Green – Access Granted

Valid for 24 hours



Orange – Needs Review

Requires follow-up from employer



Red – Access Denied

Prohibited from entering workplace

