CovidSafe
PACT protocol and its reference implementation CovidSafe was created by a multidisciplinary group from the University of Washington, University of Pennsylvania, Boston Public Health Commission and volunteers from Microsoft.

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CovidSafe empowers healthy people to be aware of Covid-19 risks and enables infected people to speed up the contact tracing process.

**Goals**

**Protect Others**
- Do their part in society to flatten the curve
- Protect those in their community by reducing risk-exposure with contact tracing

**Protect Themselves**
- Get notified by public health officials about risky places
- Symptom tracking
- Self-reporting positive
- Self-educate with self care tips and resources

**Help Contact Tracers**
- Collect symptom and contact information
- Prepare information quickly for contact tracing interviews
- Send contact data directly to healthcare agencies
Design Principles

**Rights based**
We start from a foundation of privacy and control by the user so they are empowered to make better decisions from their data.

**Inclusive**
Design elements should account for wide range of abilities and backgrounds.

**Transparent**
Users should be clearly informed about who is collecting their data, how it will be used and why.

**Community Driven**
People can come together to donate data if they choose to do so. These actions are voluntary.

**Data Minimization**
Only data that is absolutely needed is to be collected and not held or used further than original intent.

**Trust**
Information can be overwhelming and have negative consequences if inaccurate. System needs to be secure and up to date to maintain user trust.
User Audience

**General Public**
- Healthy persons who don’t know if infected
- Sick persons who don’t know if infected
- Infected persons, diagnosed
- Exposed persons, might be at risk

**Health Care Professionals**
- Doctors
- Contract Tracer / Healthcare agency nurse
User Journey
Onboarding

Evaluating exposure risk

Prepare for contact tracing interview

Keeping track of your symptoms
How does the user get started?
Download the App

• Explore app features
• Understand your data privacy
• Control your notification and data settings
Welcome to CovidSafe
CovidSafe notifies you if you may have been exposed to coronavirus and helps you monitor any symptoms you're having.

Exposure Notifications
If you've recently visited a location with a known risk of COVID-19 exposure, you'll get a notification letting you know.

Self-Care Tips
Get tips on managing your symptoms, connect with a healthcare professional if they worsen, and report locations you visited recently to protect others.
Start / Onboarding Flow

Your Privacy
Any health information you add is protected. Learn more on the Privacy page in Settings.

Let's slow the spread of COVID-19 together.

GET STARTED

About your privacy

Get started
Start / Selecting Preferences

Preference settings

- Notifications: Receive push notifications for exposure risks in your area.
- Location Sharing: Share your location information with healthcare providers.
- Bluetooth Tracing: Allow the automatic detection of exposure risks near you.
- Import Location Data: Sync your location history directly from Google by importing your timeline data.

Data storage settings

Control Your Data Storage

Your privacy is important to us. We encourage you to let us retain your data for the benefit of the community to fight COVID-19 together.

You can always choose to delete your data from CovidSafe. This action cannot be undone.

Deleting all data

Select preferences turned on

- Notifications: Receive push notifications for exposure risks in your area.
- Location Sharing: Share your location information with healthcare providers.
- Bluetooth Tracing: Allow the automatic detection of exposure risks near you.
- Import Location Data: Sync your location history directly from Google by importing your timeline data.
How does the user know when they have been exposed to risk?
Exposure Notification

- When Notifications are turned On
- App pulls CovidSafe server for exposures in your area
- App will match exposures to where you’ve been
- Your location information remains on your phone
Evaluate / Evaluating Exposure Risk

From Lock Screen

Notification overlay

Home tab module
What happens when you are positive and need to prepare for a contact tracing interview?
Contact Tracing Prep

- App helps you aggregate all the information you need for your contact tracing interview
- You can modify all the aggregated data
- You can opt-in to “submit” the questions to your local health agency if the app is connected to a case management tool
- For people just downloading the app for contact tracing preparation, the app can help them retrospectively create their timeline
Prepare / Contact Tracing Interview

Your public health agency will be contacting you for an interview.

Prepare For Your Interview

CovidSafe

Interview Preparation

Your public health agency will be contacting you for an interview.

You are receiving this message because you have tested positive for COVID-19.

During your interview, a healthcare nurse will be collecting a list of critical information to help identify those around you who may have been exposed.

- Symptoms you’ve experienced in the past 14 days
- Locations you’ve visited in the past 14 days
- People you’ve been in direct contact with over the past 14 days

PREPARE FOR YOUR INTERVIEW
Prepare / Contact Tracing Interview

From Diagnosis Screen

Health

SYMPTOMS
DIAGNOSIS

You've Reported A Positive Diagnosis For COVID-19

Submit Your Data
Update Status

What happens when you submit your data?

Home Contact Log Health Resources

Get Started

Interview Preparation

Preparing for your interview
You can use this app to collect information to share with the nurse. Select GET STARTED below to create your list.

- Symptoms you've experienced in the past 14 days
- Locations you've visited in the past 14 days
- People you've been in direct contact with over the past 14 days

Get Started

DISCLAIMER
Information in CovidSafe is stored on your phone and remains private. Learn more about our Privacy Policy and
Prepare / Contact Tracing Interview

**Symptoms**

Please add any symptoms you've experienced within the last 14 days.

Try to include as many symptoms you've experienced as possible. This information helps your interviewer determine your risk level to others.

**Locations**

Please review your location history logged within the last 14 days.

This history includes locations you've recently visited for 10 minutes or more. This helps us track locations that might be high-risk to others.

**Locations – CovidSafe Pre-populated**

Please add any locations you've visited within the last 14 days.

Add locations individually or by uploading your location history directly from Google. Include locations you've visited for 10 minutes or more.

**Locations – Add or Google Import**

Please add any locations you've visited within the last 14 days.

Add people you've been in close contact with for 10 minutes or more. Close contact is defined as being within 10km (30 feet).

**People**

Please add people you've been in close contact with for 10 minutes or more. Close contact is defined as being within 10km (30 feet).
Prepare / Contact Tracing Interview

Summary

Confirmation

Confirmation + Send to Nurse
Prepare / Contact Tracing Interview

Home section

Interview module – Retrieve & Send

List retrieval
Permission To Send

Your Information, Your Rights

Any information collected on CovidSafe is stored securely and locally in your app, and remains private to you until you choose to share it with your public health department. You can also choose to delete all data at any time.

In accordance with the Health Insurance Portability and Accountability Act (HIPAA), you have the right to see, access or get a copy of your health information. As COVID-19 has been declared a nationwide public health emergency, exceptions may apply.

To continue, please read more about these policies below and provide your consent.

HIPPA and COVID-19
By choosing to send information to your local

HIPPA Privacy Policy

CovidSafe Privacy Policy (PACT)

☐ I have read through and agree with these terms and conditions.

☐ I grant CovidSafe permission to access and send this information directly to my local Health Department.

Type “I confirm” to continue

CANCEL SEND

In accordance with the Health Insurance Portability and Accountability Act (HIPAA), you have the right to see, access or get a copy of your health information. As COVID-19 has been declared a nationwide public health emergency, exceptions may apply.

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Type “I confirm” to continue

I confirm

CANCEL SEND
How do you track symptoms if you test positive or are symptomatic?
Track Your Symptoms

- Daily logs to help you track key symptom indicators
- You can opt-in to “submit” your symptoms to your local health agency if the app is connected to a case management tool
Health section – Symptoms tab

SAMPLE  Localized symptoms

SAMPLE  Symptom details

SAMPLE  Symptom description
Prepare / Contact Tracing Interview

SAMPLE  Detail examples

SAMPLE  Save permissions

SAMPLE  Confirmation

SAMPLE  AM-PM logged
Thanks!

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