



COVID-19 Early Detection and Prevention Program for Back to Work Washington, Part of the Safe Start Grant



Early Detection and Prevention Program Vision

Provide a platform to allow industries in Washington state to return and remain on-site safely.

SOLUTION

Stay Healthy

- Through temperature and symptom attestation, this tool helps detect possible COVID-19 outbreak so employers can take preventive measures that keep employees and customers safe.

Stay Open

- This program provides companies with real-time insights that inform leaders when prompt preventive action should be taken to avoid closures.

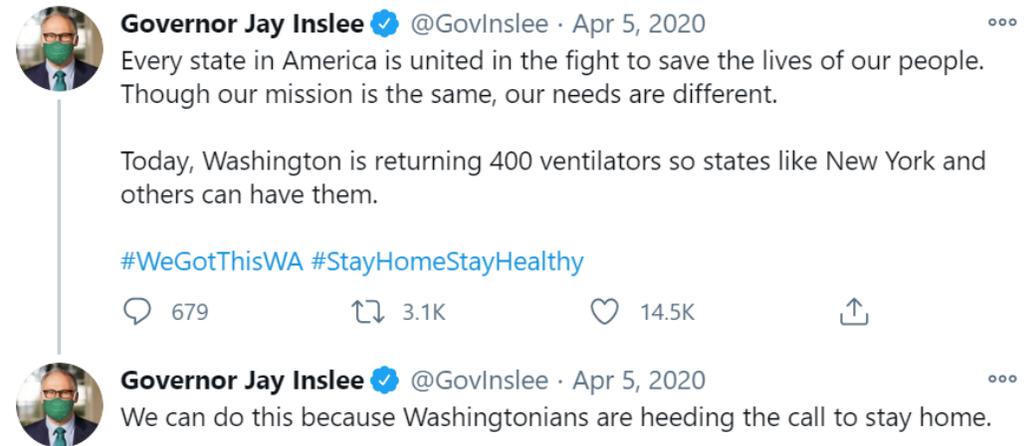
Stay Informed

- Results shared in health insight reports and web-based dashboards.

Over the course of the pandemic, IHME has become the trusted source for projections of COVID-19 and related health outcomes, and providing guidance on back to work strategies.

- The **tailored projections** cover U.S. states and major overseas markets.
- With so little known about the virus, IHME projections give decision-makers a best **estimate of peak COVID-19 burden**.
- Showing the impact of measures to slow the spread of COVID-19 across countries globally aligns with IHME's broader goal: **accelerate progress in health**.
- Help policy makers and organizations model or understand future stages of the pandemic, recovery, and status of exposure and/or immunity within different communities, and **apply these forecasts to inform decision-making**.

Governor Jay Inslee, early in the pandemic, was able to use IHME projections to inform implementation of Washington State social distancing measures and plan for ventilator needs state wide. The projections continue to inform updates to mandates.

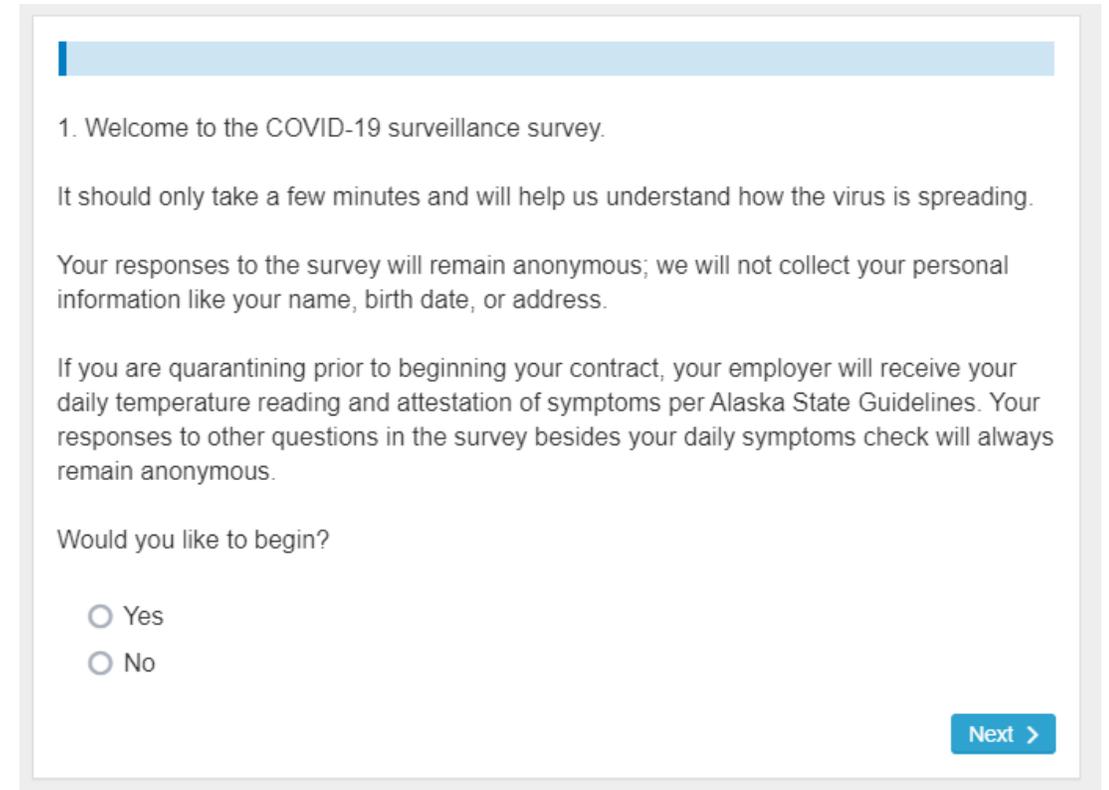


IHME has developed an early detection survey to prevent the spread of COVID-19, which can help maintain health of employees and the communities in which they live or operate.

Early Detection Program is provided at no cost* to track employee health; reduce redundant, time consuming data capture; and reduce the spread of COVID-19.

The **Early Detection Program** is designed to help organizations have an early sign of infection in order to address and avoid closures.

- The Survey asks for and reports on de-identified data including:
 - Temperature and oxygen levels
 - Testing and symptoms
 - Vaccinations
 - Behavior, prevention methods, and contact
- Surveys are available for an employer medical or staff lead to fill out on behalf of on-site individuals or for individual use. Responses are captured anonymously.
- Results are made available in customized reports and web-based dashboards.



1. Welcome to the COVID-19 surveillance survey.

It should only take a few minutes and will help us understand how the virus is spreading.

Your responses to the survey will remain anonymous; we will not collect your personal information like your name, birth date, or address.

If you are quarantining prior to beginning your contract, your employer will receive your daily temperature reading and attestation of symptoms per Alaska State Guidelines. Your responses to other questions in the survey besides your daily symptoms check will always remain anonymous.

Would you like to begin?

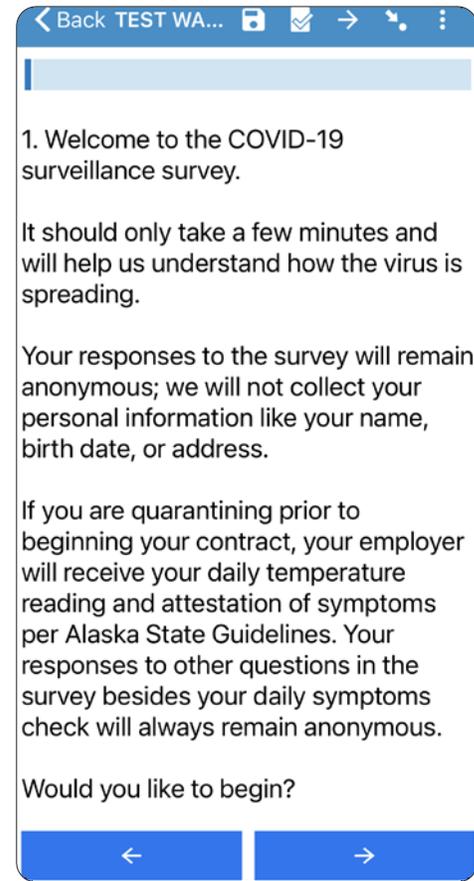
Yes

No

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***Funding provided by federal EDA grant supporting WA Safe Start Projects**

The survey can be accessed as an app (with or with-out internet connectivity) or **web-based platform**.



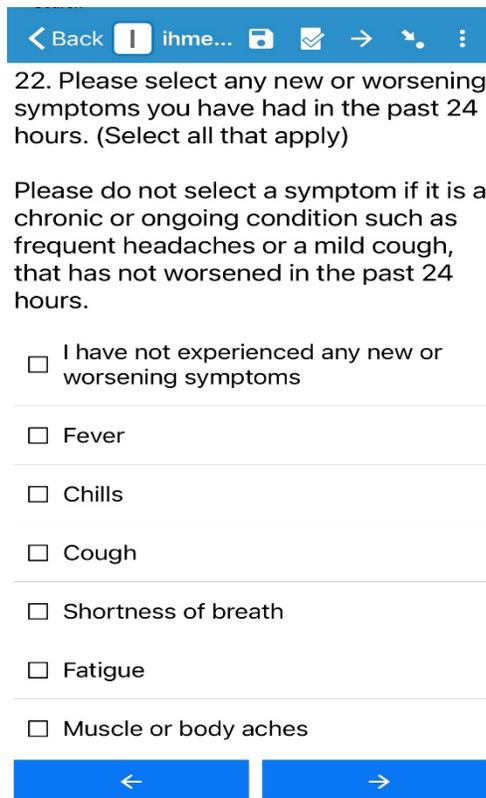
Download App on Apple or Android Devices

Open the App and register

Begin the survey for yourself or on behalf of other

Surveys can be tailored based on organization's data capture needs and requirements.

- IHME can work with organizations to help customize this to fit existing company workflows/operations, but surveys generally include those about symptoms, testing, vaccination and general demographic information.
- Respondents complete the surveys using a unique identifier assigned and maintained by the organization (new unique ID, existing employee ID, employee telephone number, etc)
- The initial survey captures background information on respondents. All demographic and behavioral responses are anonymously reported and allow a respondent to select "Prefer not to answer."



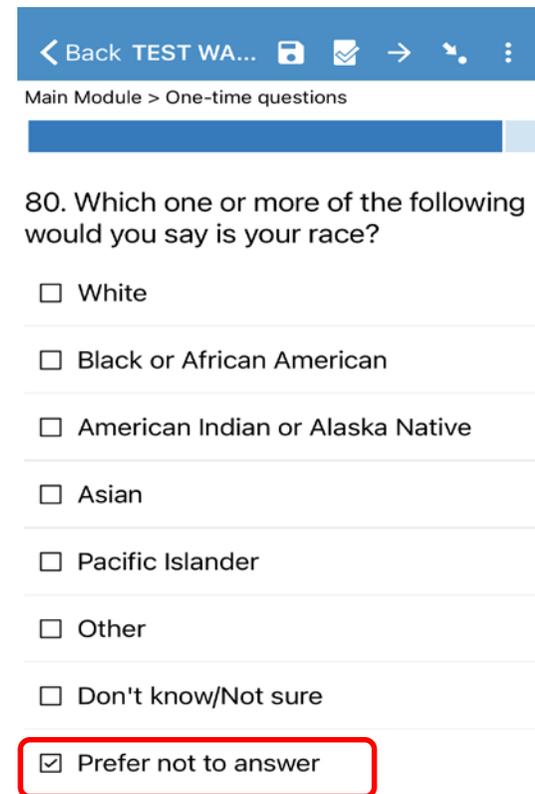
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22. Please select any new or worsening symptoms you have had in the past 24 hours. (Select all that apply)

Please do not select a symptom if it is a chronic or ongoing condition such as frequent headaches or a mild cough, that has not worsened in the past 24 hours.

- I have not experienced any new or worsening symptoms
- Fever
- Chills
- Cough
- Shortness of breath
- Fatigue
- Muscle or body aches

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Main Module > One-time questions

80. Which one or more of the following would you say is your race?

- White
- Black or African American
- American Indian or Alaska Native
- Asian
- Pacific Islander
- Other
- Don't know/Not sure
- Prefer not to answer

Reports are available to organizations covering overall trends in COVID-19, as well as projections helping them anticipate increased possibility of infection.

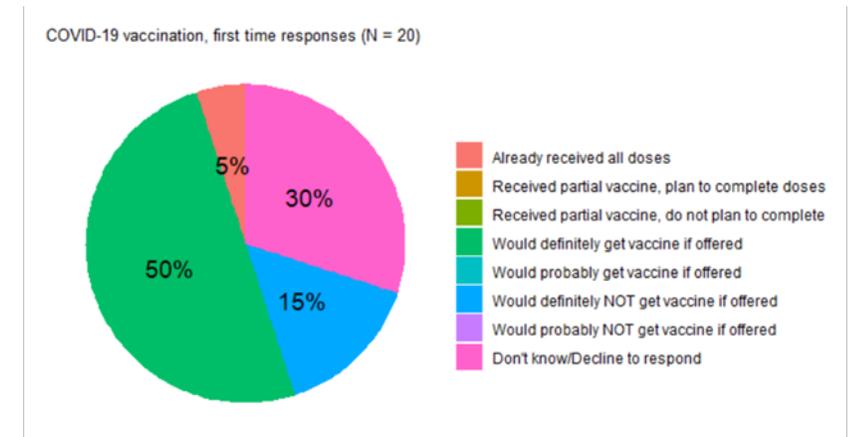
Some organizations may choose to deploy this tool during mandated quarantine periods or in person onsite.

Data collected can include:

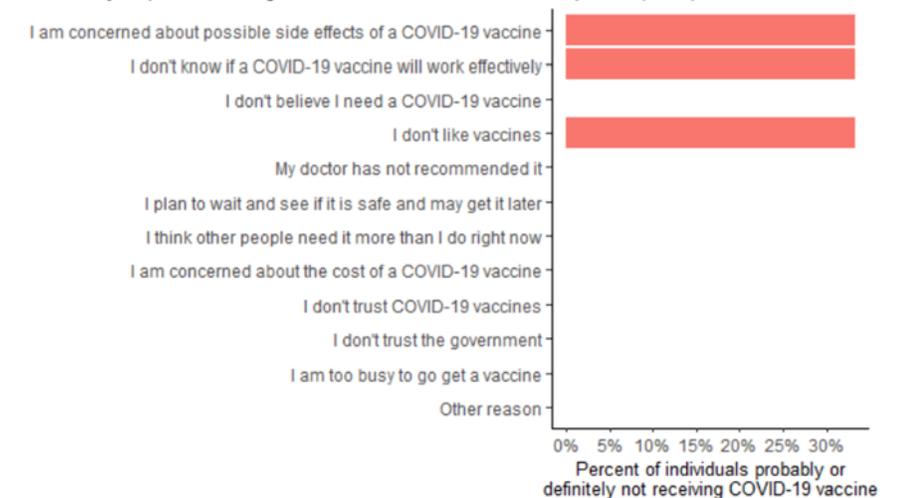
- Daily temperature and symptom attestation
- Self-reported one-time health demographics, health history, flu/COVID-19 vaccines
- Periodic COVID-19 testing, behaviors, prevention measures, contacts and travel

Reports are provided to the organization around:

- Daily completeness and compliance reports
- Daily reports on those who meet an agreed-upon threshold of temperature and/or symptoms (determined by the organization's needs)
- Aggregate weekly report on trends and behaviors
- Ability to provide regulated reports for the organization's use as necessary

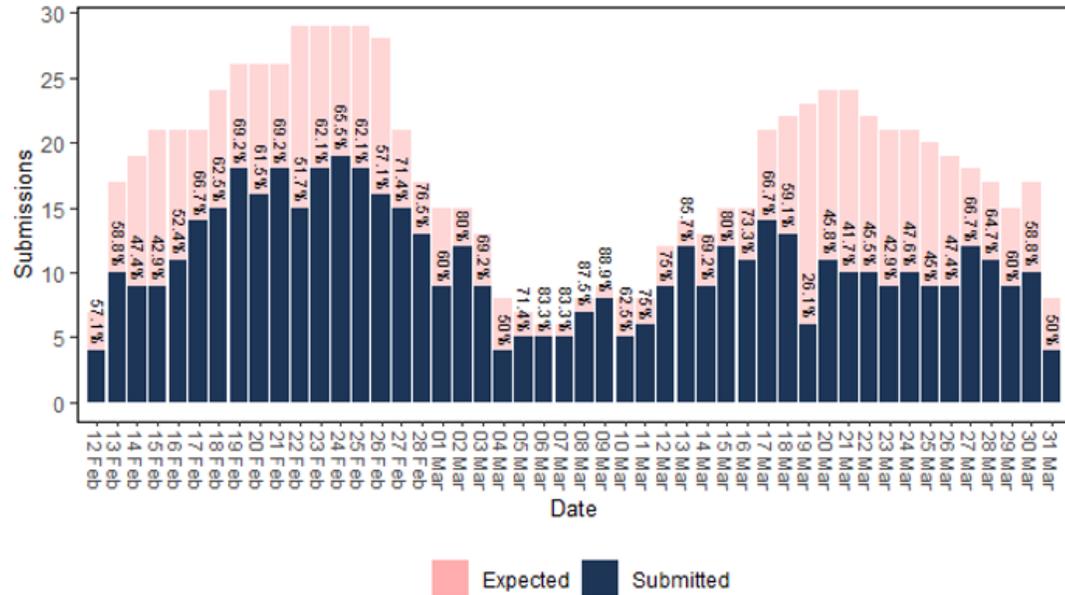


Reasons why respondent won't get a COVID-19 vaccine, first time responses (N = 3)

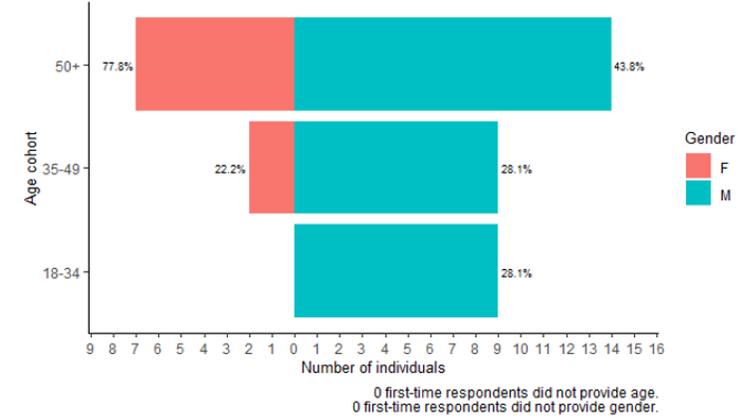


Survey Review: Sample report figures

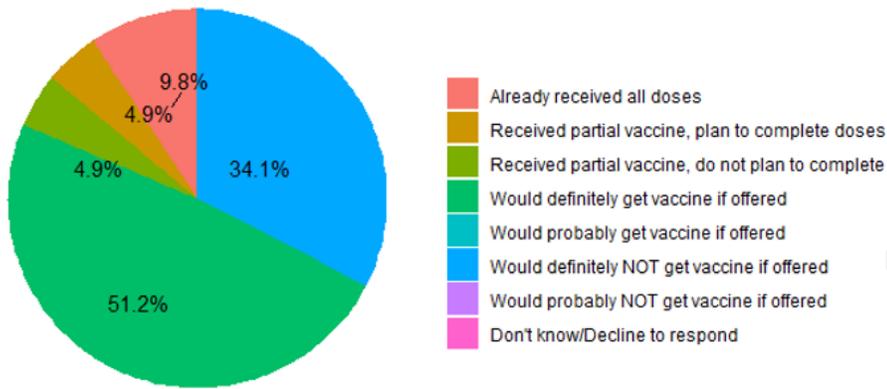
Response rate, overall (N = 523 total submissions)



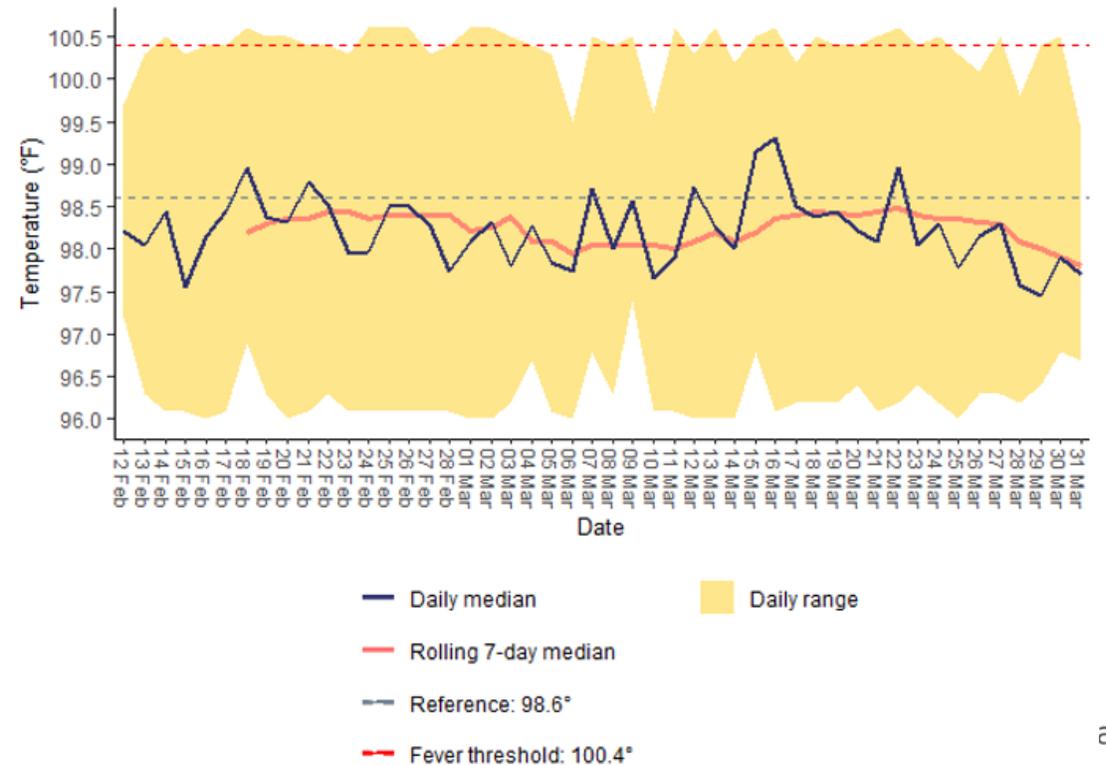
Age and gender make-up, first time responses (N = 41)



COVID-19 vaccination, first time responses (N = 41)



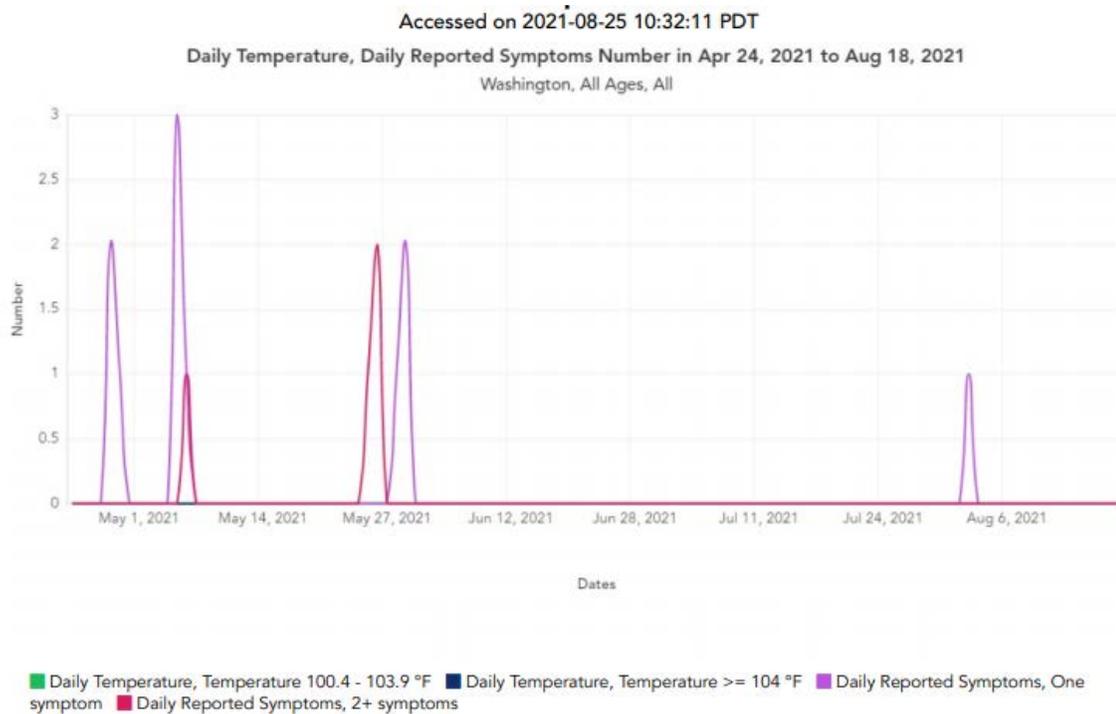
Daily median temperature, overall



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*All figures in this presentation are made using mock data

Online Dashboard is made available to administrators to view anonymized survey results.



Underlying Risks

High risk

Not high risk	137
High risk (pregnant OR current smoker (currently smokes every day or some days) OR at least one underlying condition OR age 65+)	87
DTR/Unknown	57

Current smoker

Not current smoker	177
Current smoker (Every day or some days)	51
DTR/Unknown	53

Chronic condition

No underlying health condition	214
Known to have any underlying health condition	24
DTR/Unknown	43

Senior citizen (age 65+)

Under 65 years of age	270
65+ years of age	11
DTR/Unknown	0

Vaccines

Flu vaccine

Do not plan to receive flu vaccine this season	54
Received flu vaccine this season	94
Plan to receive flu vaccine this season	65
DTR/Unknown	32

Covid vaccine

Definitely do not plan to receive COVID-19 vaccine	7
Received all COVID-19 vaccine doses	115
Received partial COVID-19 vaccine doses	44
Definitely plan to receive COVID-19 vaccine	46

Reports covering overall trends in COVID-19, as well as projections are available to organizations, helping them anticipate increased possibility of infection.



COVID-19 Early Detection Program Briefing – March 8th, 2021

COVID-19 current situation*:

- Daily cases and deaths in the United States have decreased compared to last week, with 60,100 cases and 1,600 deaths per day on average.
- We estimate that 8% and 10% of people in Washington and Alaska respectively have been infected as of March 1.

Trends in drivers of transmission*:

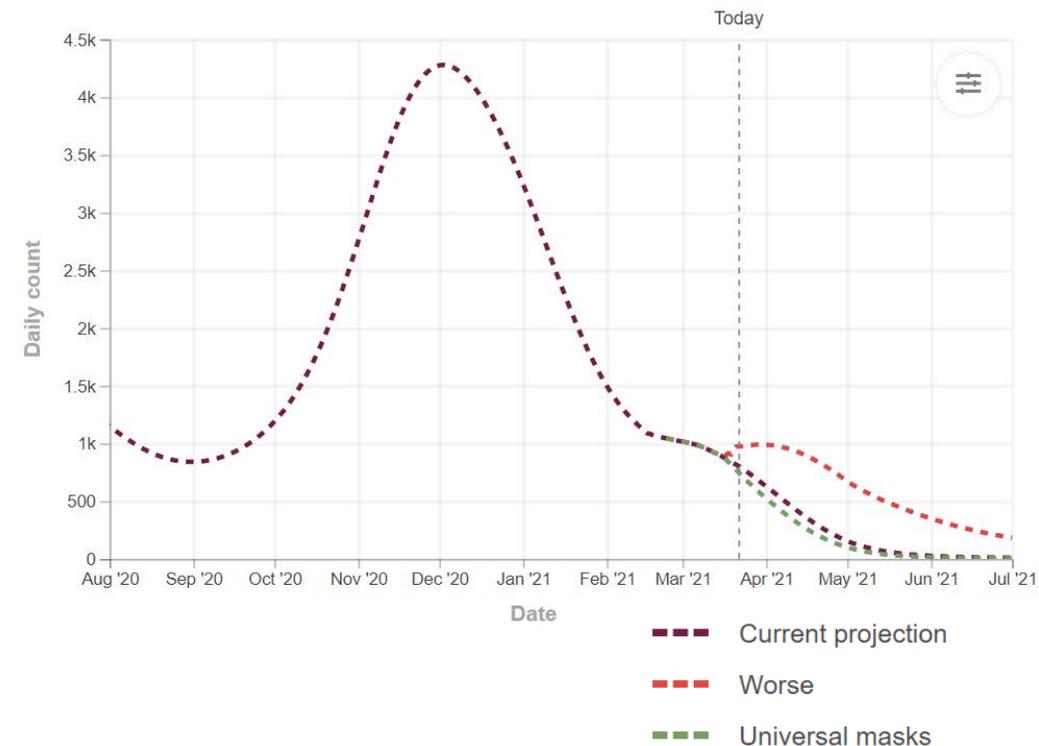
- Mobility continued to rise slowly over the last 1-2 weeks in the US, reaching 25% lower than the pre-COVID-19 baseline (24% lower in Washington; 8% lower in Alaska).
- As of March 1, we estimated that 77% of people in the US always wore a mask when leaving their home (79% in Washington; 65% in Alaska).
- In the US, 74.1% of people say they would accept or would probably accept a vaccine for COVID-19 (79.3% in Washington; 59.4% in Alaska).**

COVID -19 Projections*:

- IHME projects 576,000 cumulative deaths in the US on July 1 (5,400 in Washington; 310 in Alaska).

Early Detection Program Data (during the reporting period of 02/12/21 – 03/07/21)

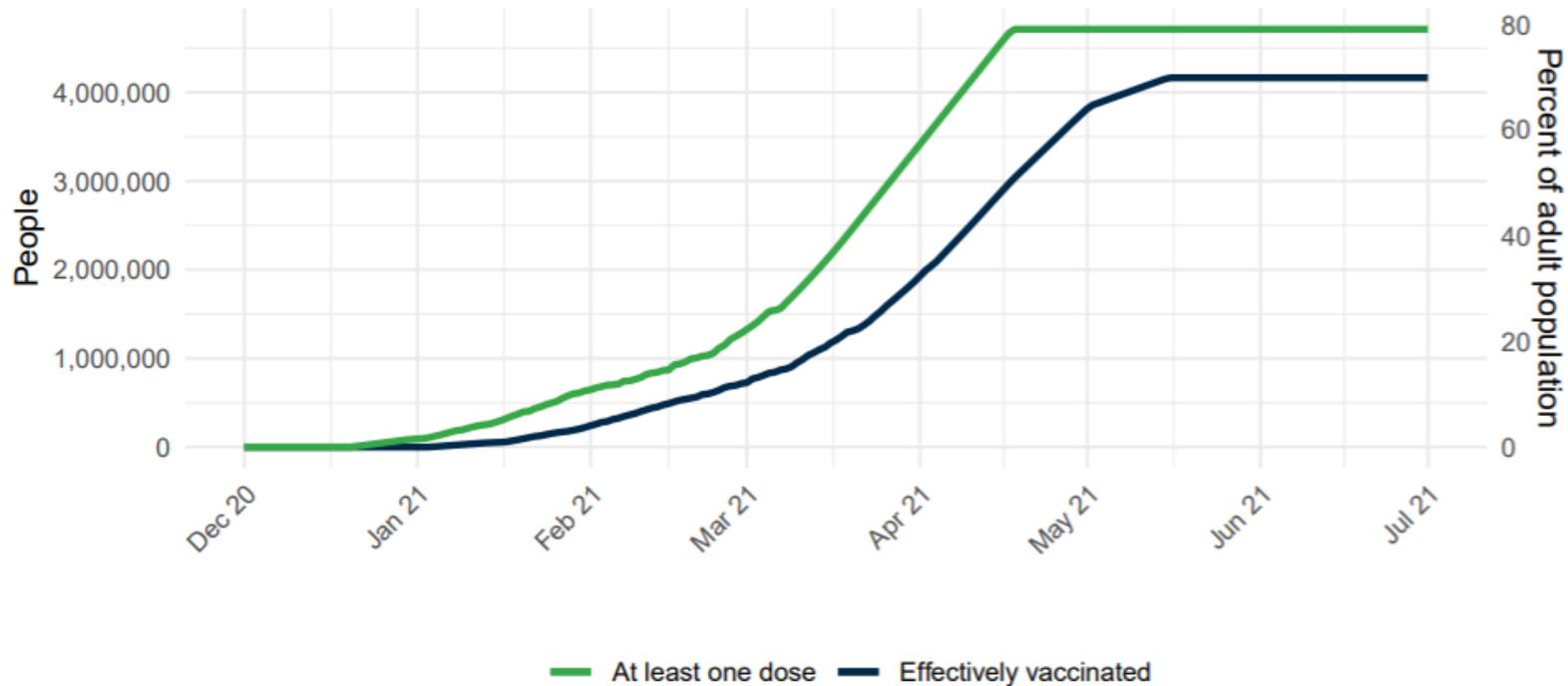
Daily Estimated COVID-19 Infections Washington State



As vaccination rates increase and behaviors change, tracking the course of the pandemic, a need for booster vaccines, and overall employee health remains a priority.

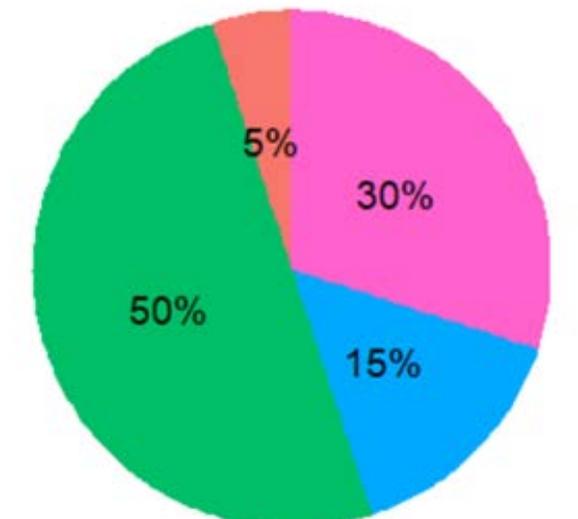
Washington State Vaccination Rates

Figure 17. The number of people who receive any vaccine and those who are effectively vaccinated and protected against disease, accounting for efficacy, loss to follow up for two-dose vaccines, partial immunity after one dose, and immunity after two doses.



Is employee population on similar trajectory as state?

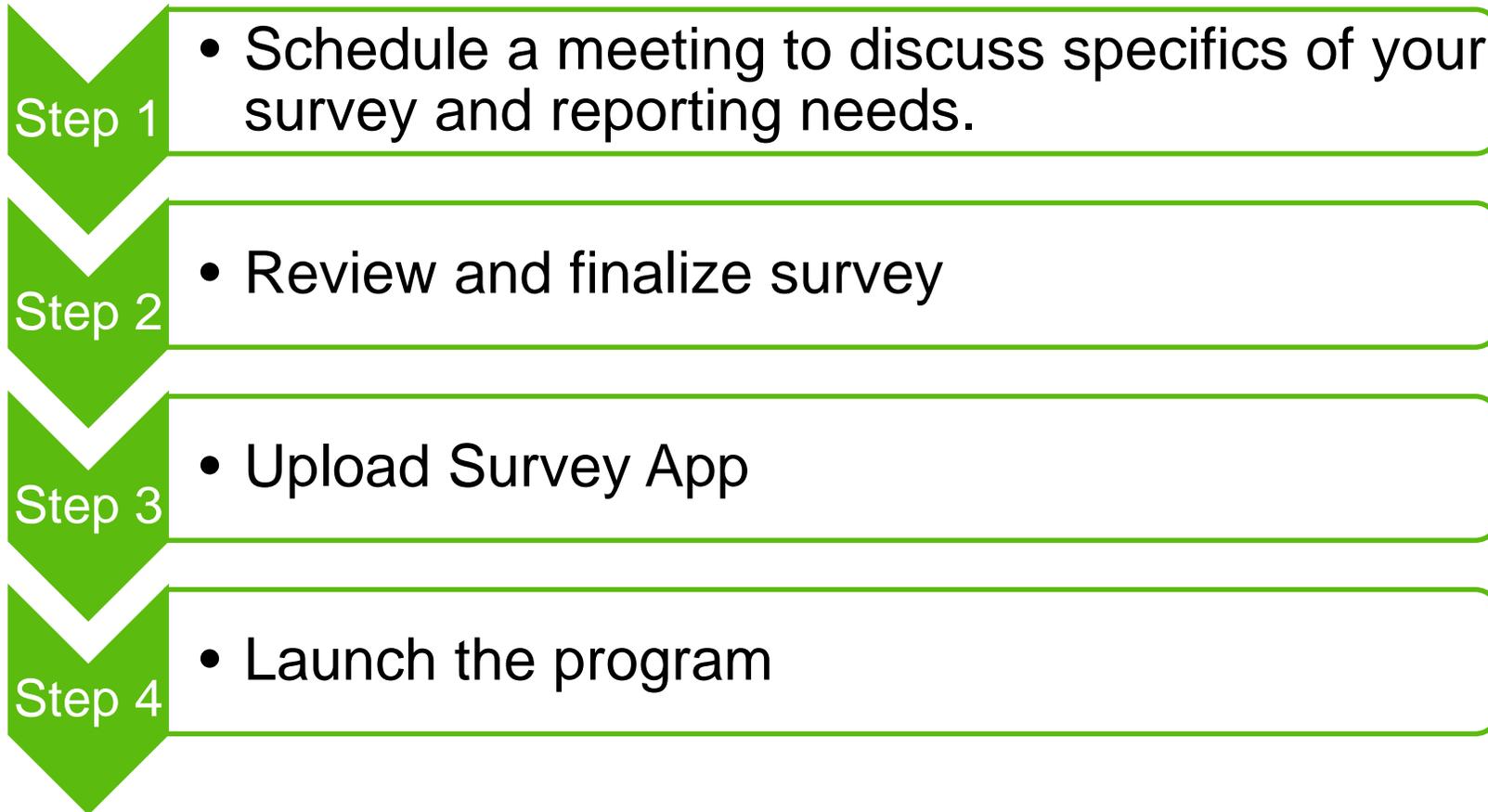
COVID-19 vaccination, first time responses (N = 20)



- Already received all doses
- Received partial vaccine, plan to complete doses
- Received partial vaccine, do not plan to complete
- Would definitely get vaccine if offered
- Would probably get vaccine if offered
- Would definitely NOT get vaccine if offered
- Would probably NOT get vaccine if offered
- Don't know/Decline to respond

Next steps: Reach out to learn more about how to launch this program in your organization.

IHME will work with your organization to ensure the survey and reports meet your ongoing data gathering needs.



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