

ReadyCheck  Go <sup>TM</sup>

**Why does COVID-19  
testing in K-12 schools  
still matter?**



# Welcome to Today's Session

## Why does COVID-19 testing in schools still matter?

Today's speaker:



**Mackenzie Varga**

Sr. Director, Inside Sales

GM Fisher Science Education

Thermo Fisher Scientific

# Agenda

ThermoFisher  
SCIENTIFIC

color

1 Why Testing is Still Important in K-12 Schools

1 Get to Know ThermoFisher and Color Health

2 Introducing the ReadyCheckGo Program

3 Let's Get Started!



# Why Testing in K-12 Schools is Still Important



# Mitigation Strategies In Schools

## All schools



Health checks /  
respiratory etiquette

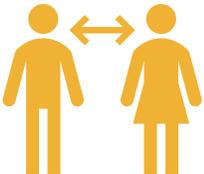


Handwashing



Classroom /  
school building hygiene

## Some schools



Physical distancing  
6 / 3 feet

Surveillance / monitoring  
through testing



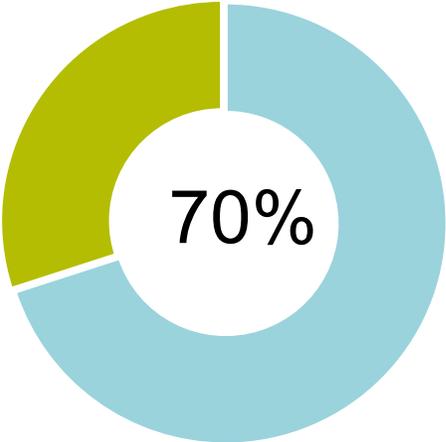
Masking

Regular testing is critical to supplement other mitigation strategies

# State of Vaccinations Across Age Groups

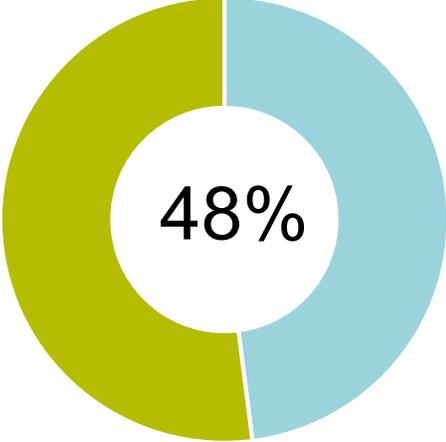
Actual & Expected Vaccination Rates By Age

Adults 18+



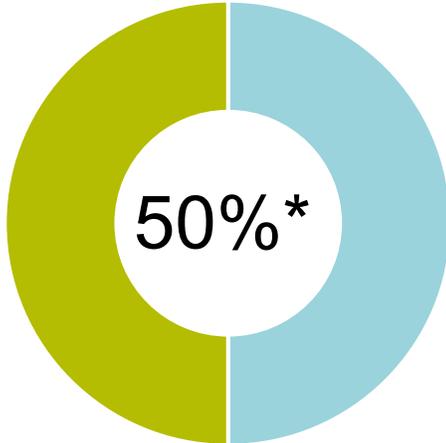
70% of adults are fully vaccinated and 80% partially vaccinated<sup>1</sup>

Teens



48% of teens are fully vaccinated and 56.7% partially vaccinated

Children <12



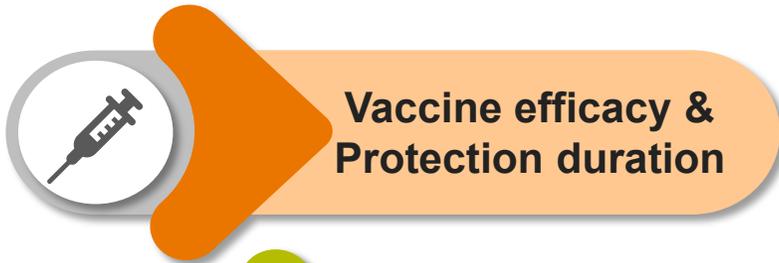
\*50% (estimated) of children will be fully vaccinated<sup>2</sup>

- 7% currently vaccinated
- 700k appointments in system

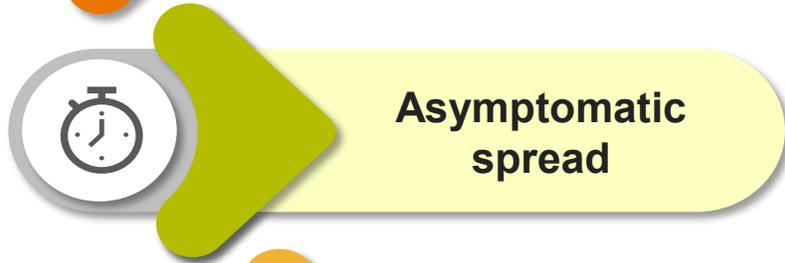
1) <https://thehill.com/policy/healthcare/579479-white-house-70-of-adults-are-fully-vaccinated-80-partially>

2) <https://www.usnews.com/news/health-news/articles/2021-11-10/biden-administration-900-000-kids-under-12-expected-to-be-vaccinated-against-covid-19-by-end-of-wednesday>

# Vaccines do not eliminate the need for sustained vigilance



**No vaccination is 100% effective & immunity wanes**  
Identify, quarantine and treat those with COVID-19



**20-60% of cases are asymptomatic**  
Asymptomatic spread is a risk with kids & teachers even with those who are vaccinated



**Not everyone will be vaccinated**  
Parent survey revealed that 30% of parents would not get their children <12 vaccinated<sup>4</sup>



**Current and emerging mutations**  
Can impact vaccine efficacy

Testing is essential to help avoid outbreaks

# Get to Know Thermo Fisher and Color Health



# Thermo Fisher Scientific is the Global Leader in COVID-19 Testing

thermo  
scientific

applied  
biosystems

invitrogen

fisher  
scientific

unity  
lab services

patheon



>50%

COVID-19 testing  
performed using  
Thermo Fisher technology



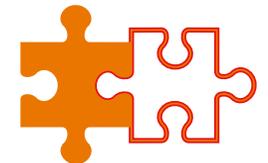
→ 25M

COVID-19 tests  
manufactured per week



Supply Chain

One trusted source for  
secured supply



One Trusted Source

Innovative solutions and  
support for comprehensive  
COVID-19 testing

# Color's platform runs COVID-19 and preventative healthcare services at hundreds of institutions across the country



**9 million**

COVID-19 tests performed at 5K testing sites

**Almost 1,000**

organizations and institutions across the U.S. look for Color for critical healthcare services and support

- Integrated platform for registration, consent, and scheduling
- Logistics and support infrastructure
- 'Plug and play' delivery
- Comprehensive reporting and analytics

“We love the platform – it is easy to implement, easy to use, and our staff and students really like it.”  
– High Tech Los Angeles



Introducing

# ReadyCheckGo™ Program

Simple and cost-effective coronavirus testing and reporting for K-12 schools

Quality testing

**ThermoFisher**  
SCIENTIFIC

Proven effective result reporting

**color**

Providing streamlined processes from facilitating implementation to routine testing for administrators, teachers, staff, students and parents in school districts of any size

**Gather confidently. Test intelligently. Educate effectively.**

**ThermoFisher**  
SCIENTIFIC

**color**

# Integrating Experienced Teams to Facilitate In-person Learning

Schools focus on learning...

TEACHING / CHILD DEVELOPMENT



Schools trained and registered to collect and ship samples



...let us focus on the rest.

LAB-BASED TESTING



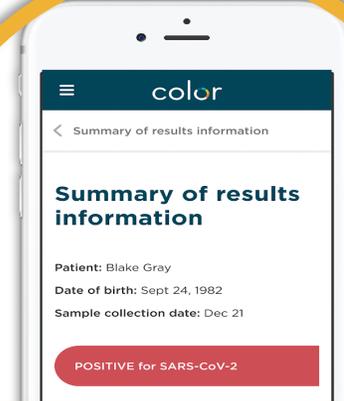
Samples analyzed by certified clinical labs  
Powered by **ThermoFisher** SCIENTIFIC

ONSITE TESTING



Highly sensitive, PCR testing solutions  
Powered by **ThermoFisher** SCIENTIFIC

USER EXPERIENCE / DATA MANAGEMENT



Easy registration, program management & reporting through **Color** software  
Powered by **color**

# Important Considerations for Testing in K-12 Schools

## An effective testing program should....



### **Empower teachers to focus on education**

Help provide a healthy learning environment for students, teachers and staff with minimal disruption to the day



### **Help maximize in person learning**

Avoid unnecessary quarantines to maximize student attendance

## ReadyCheckGo provides....



### **Easy implementation**

Simple software to manage registration, consent and reporting results

Less time processing tests in school

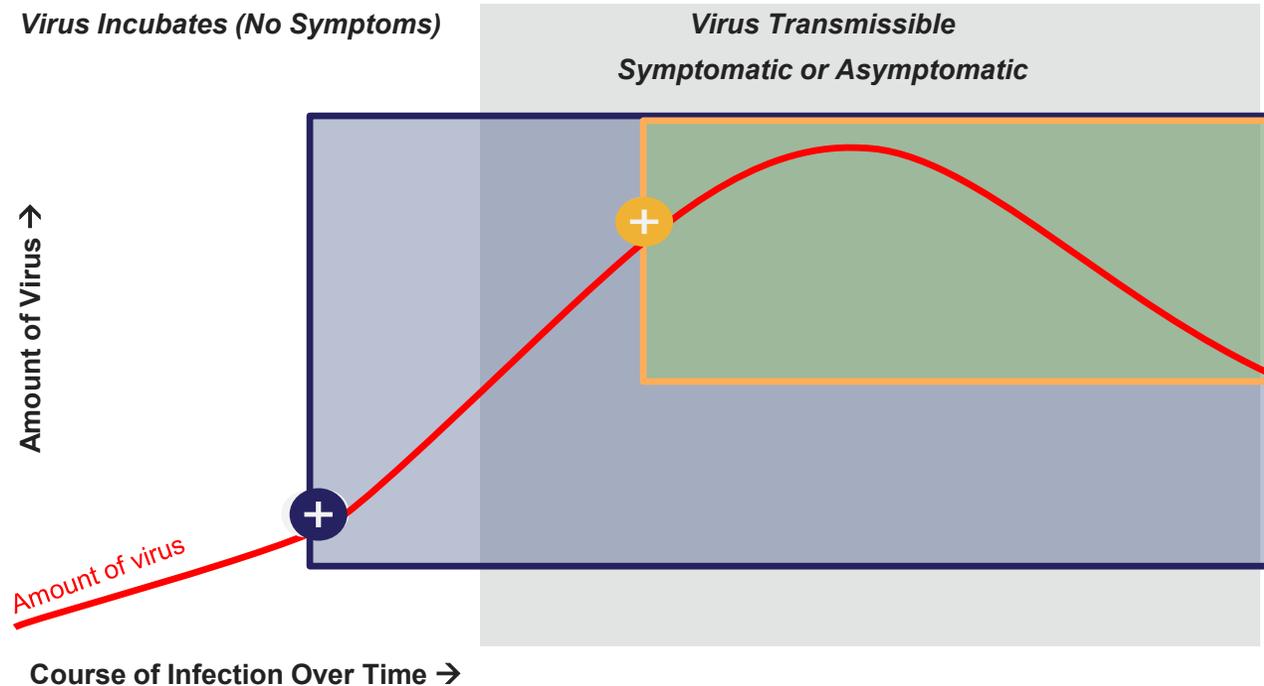


### **PCR based, high sensitivity results**

Proactive, PCR-based screening (99% accuracy) identifies infections early and helps prevent exposure

# Early Detection of Coronavirus Using PCR Tests

PCR acts as an early warning to remove infected individuals while the amount of virus is low



## + PCR Test Detection

PCR can detect the virus **BEFORE** the virus is transmissible and able to infect others

## + Antigen Test Detection

Antigen can detect the virus when **symptomatic** and at or near peak infection

Seattle WA community screening<sup>1</sup>

**ASYMPTOMATIC**

With similar levels of virus

**38%**

**CHILDREN**

Identifying positives early helps reduce the risk of virus being brought into the school

[1] Chung et al. [Comparison of Symptoms and RNA Levels in Children and Adults With SARS-CoV-2 Infection in the Community Setting](#), JAMA Pediatrics 6/2021

# ReadyCheck Go <sup>TM</sup>

## Testing Solutions

Simplified testing, easy to implement,  
enabling low-risk school environments



# Coronavirus Testing Program Considerations

When implementing a coronavirus testing program, you should consider four key requirements for successful screening testing:



## Confidence in Results

- ✓ What accuracy is acceptable?
- ✓ What is the school's risk tolerance?



## Daily Testing Volume

- ✓ How many students and staff are you testing? And how often?
- ✓ How will you align with guidance while minimizing costs?



## Time to Results

- ✓ How soon are test results needed?
- ✓ How will reporting and monitoring be handled and managed?



## Resources and Expertise

- ✓ What resources and expertise are available to guide strategy, decisions and manage a testing program?

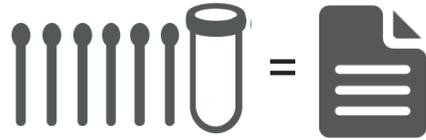
# Common Testing Strategies

Testing Strategy	Purpose
 <p data-bbox="537 372 978 425">Symptomatic Testing</p>	<p data-bbox="1123 351 2423 439">→ Confirm or rule-out Covid-19 if an individual develops symptoms in school</p>
 <p data-bbox="453 704 1072 863">Routine Testing (also called “screening”, “surveillance”, or “assurance” testing)</p>	<p data-bbox="1123 584 2354 676">→ Testing low-risk asymptomatic people (meaning people without symptoms or exposures) on a regular basis</p> <p data-bbox="1123 736 2423 829">→ Test everyone at least 1x/week: breaks chains of transmission and can significantly mitigate spread</p> <p data-bbox="1123 889 2186 982">→ Helps with decision-making by determining how many “silent”/asymptomatic infections are present in schools</p>
 <p data-bbox="466 1115 1059 1218">Test to Stay / Close Contact Testing</p>	<p data-bbox="1123 1122 2440 1215">→ Test asymptomatic people with known exposures daily or near daily as a replacement for quarantine (keeping staff and students in school)</p>

# ReadyCheckGo Expanded Testing Solutions

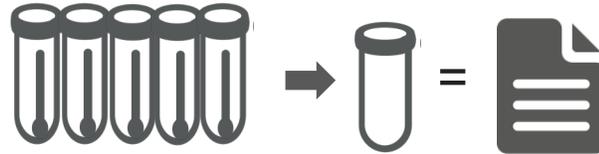
The Thermo Fisher Scientific™ ReadyCheckGo™ coronavirus testing program offers multiple testing options that lets schools choose the right option for their testing needs

Results in 24 - 48 hours



## Source pooled PCR test

6 swabs added to 1 tube at school and tested in 1 tube at lab = 1 result for all 6 people tested



## Lab-pooled PCR test\*

5 swabs collected individually at school and tested in 1 tube at the lab. Any positive pool gets original sample re-tested individually



## Individual PCR test

1 swab collected individually at school and tested in 1 tube at the lab = 1 result for each person tested

Results in 30 min



## Accula Rapid PCR test

1 swab collected individually at school and tested on site at school = 1 result for each person tested

Results in 1 hour



## Antigen test

1 swab collected individually at school and tested on site at school = 1 result for each person tested

### On-Site Staff Support Available

As needed onsite staffing support



Assistance with registration, testing station set-up, monitoring sample collection, packaging samples for shipment

# Easy to Collect Samples



The Thermo Fisher Scientific™ ReadyCheckGo™  
Testing Program for grades K-12.

- ✓ Short, gentle swabs
- ✓ Swabbing can be done by students themselves
- ✓ Quick and easy to help reduce class time interruptions

# Example: Materials For Lab-pooled Testing Option

Schools receive easy-to-order swab kits and easy-to-ship specimen packs\*

## Collection kit



For swabbing and sending up to 25 tests per box



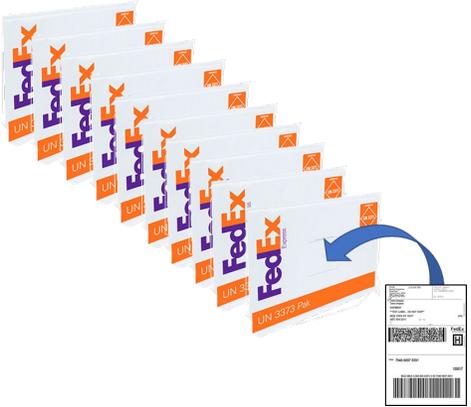
Contains materials to collect and package samples for shipping

## Collection materials



Swabs, collection tube and specimen bag  
25 tests (5 bags each with 5 kits)

## Shipping materials



FedEx airbill and shipping container/envelope



## QR code

Easily accessible, interactive step-by-step instructions and video

\* Images for example only

# ReadyCheckGo: Let's Get a Program Started



# Coronavirus Testing Made Easy

From sign up to results, we take care of the logistics



## Simple, seamless process

Bilingual consent & registration

Comfortable self-swab kits

Real-time result dashboards



## Robust training & support

24/7 support

Live & video trainings

Support and collateral for staff & families



## Light-touch logistics

Requires minimal staff

Simplified kit ordering

Free ship-back boxes & shipping

# Start to Finish – From Implementation to Routine Testing in 1 Week

5 days or less

1 day

13 hours<sup>1</sup>

**1 Sign-up**

- ❑ Receive onboarding information
- ❑ Supplies ordered & received

**2 Setup**

- ❑ Select sites and administrators
- ❑ Complete training
- ❑ Set up collection site(s)
- ❑ Store collection kits

**Registration**

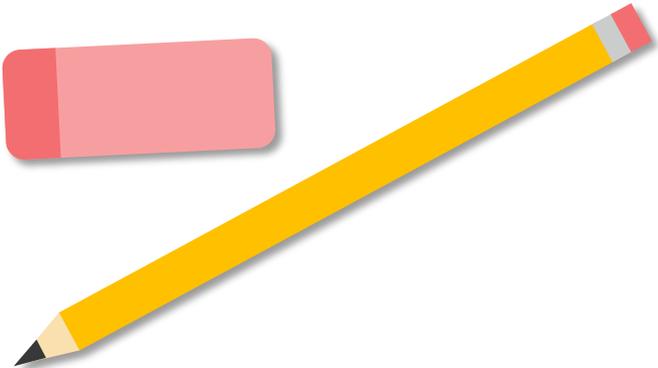
- ❑ Communicate program and send registration link to participants
- ❑ Participants register and consent

**4 Collection/Shipping**

- ❑ Collect materials
- ❑ Ship samples using pre-pack shipping supplies, next-day delivery (for lab-based testing options)

**Reporting**

- ❑ Receive reports
- ❑ Access dashboards
- ❑ Utilize communication tools



**24/7 Support**  
throughout the process

<sup>1</sup>Median turn-around-time (TAT) from accession to result

# Streamlined Sign Up Process to Get Started Quickly

**1 Sign-up**

- ❑ Receive onboarding information
- ❑ Supplies ordered & received



- Dedicated account support to assist with sign up
- Full access to online administrator and parent support materials
- Welcome kit shipped promptly upon sign up, which includes:



Set-up Flyers for Admins



Program Overview Brochure

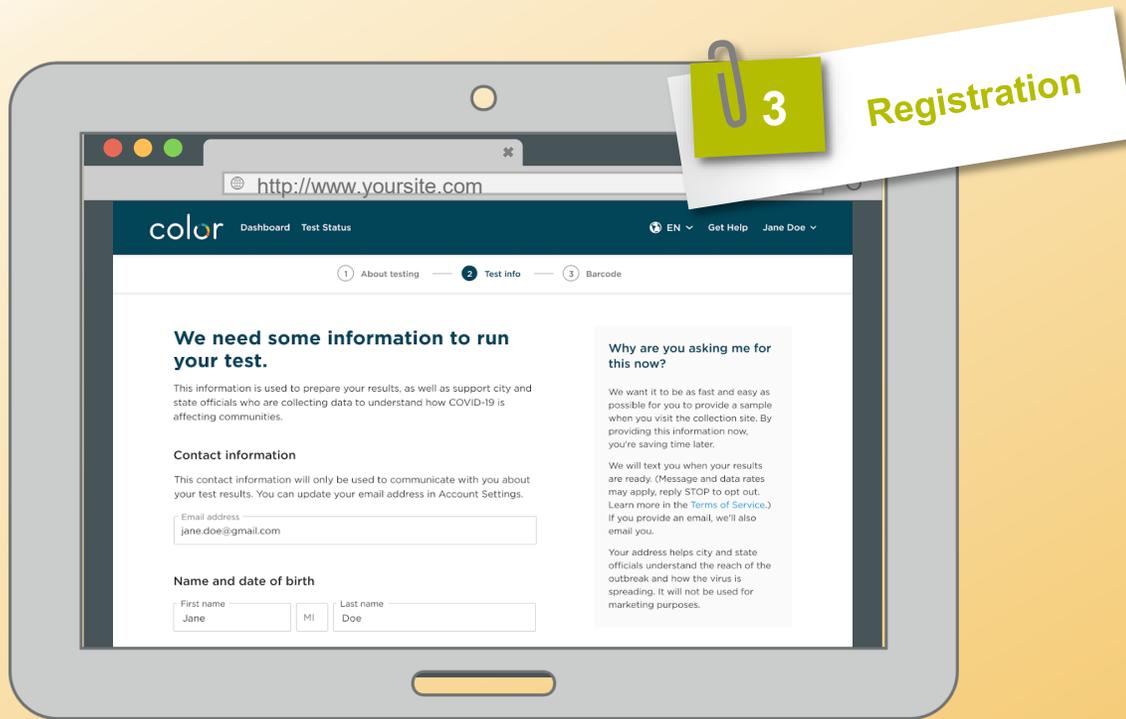


How to Swab Poster

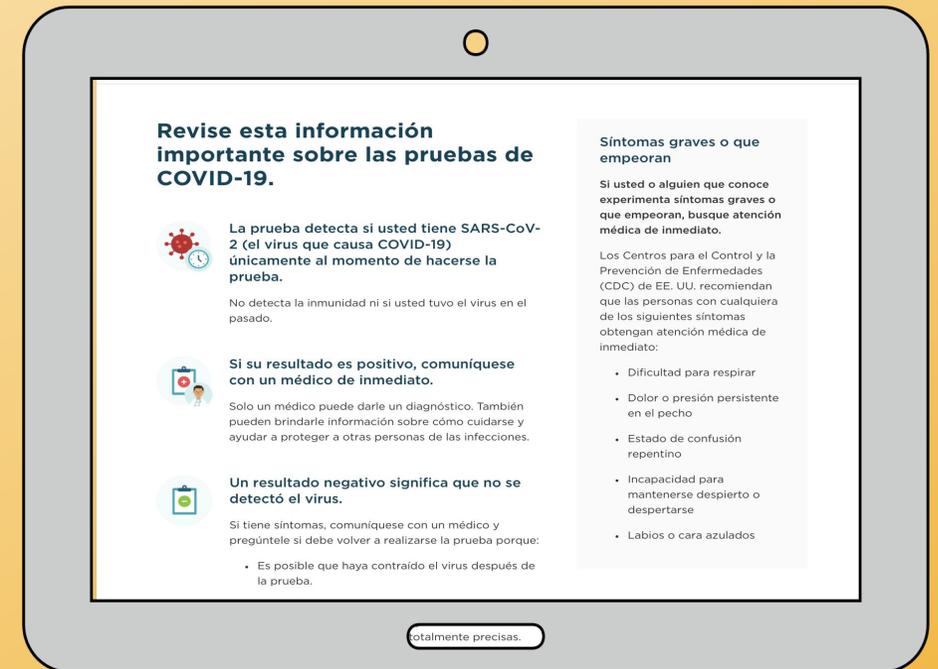


Tube holders (tube not included)

# Simplified Registration and Community Outreach



Intuitive registration and participant insights



Email templates in English and Spanish

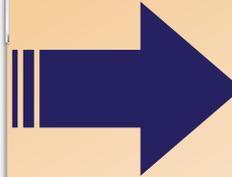
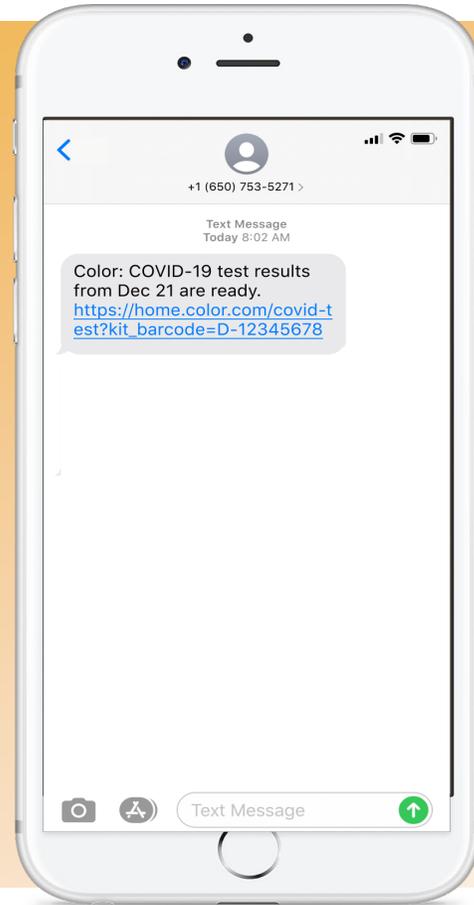
# Simplified Registration and Community Outreach

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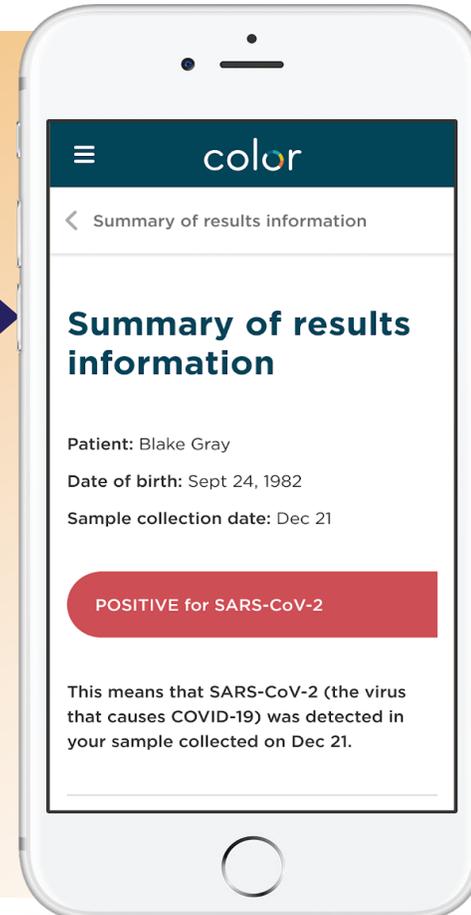
## Reporting

- Results accessible by text & email immediately upon release
- Available in English & Spanish
- Fully HIPAA compliant

### Test Notifications (text or email)



### Test Results (Color App)





# Support When You Need It

Receive robust support implementing and administering your testing program

- ✓ Thorough onboarding and registration support to get your program up and running quickly
- ✓ Comprehensive training materials for staff and teachers to manage sample collection
- ✓ On-site support
- ✓ Dedicated phone and email support for schools and families

**Setting up your testing station**

You'll receive test kits in biohazard bags that include a tube, six swabs, and an absorbent pad.

- You'll need to get these items (not included in kit):
  - Hand sanitizer
  - A computer or tablet (We recommend using the latest version of Google Chrome)
- Get the testing supplies:
  - Test kits
  - Tube holders
  - Sample collection envelopes
  - "How to Collect Your Sample" poster
  - Directional floor stickers
- Place the swabs and tube holder on a flat surface.
- Hang up your "How to Collect Your Sample" poster for easy reference.

**Managing participant group samples**

- Head to [thermofisher.com/safeschools-admin](https://thermofisher.com/safeschools-admin) on your computer or tablet, then sign in to your Color account.
- Remove a tube from the biohazard bag, and scan or type in the tube's barcode (ID-the-area-ENTER) to Color.
- Unswear the top of the tube and place the tube in a tube holder.
- Check the box next to the participant's name in Color.
- Walk the participant through the self-swab collection steps on the "How to Collect Your Sample" poster.
- Repeat with up to five people, for a maximum of six swabs in one tube.
- Click "Continue" in Color to close out the group of samples.
- Screw the tube top on tightly.
- Place the tube in its biohazard bag with the absorbent pad and seal the bag.
- Place up to 10 sealed biohazard bags into a sample collection envelope.

**How to collect your sample**

- Sanitize your hands.
- Open the swab package, starting from the handle-side, and avoid touching the cotton tip.
- Insert swab tip no more than 3/4 inch into nostril, swirl at least 4 times, and repeat in other nostril.
- Put the swab in the tube, cotton tip down.
- Sanitize your hands again. Done!

**Here are the step-by-step instructions for collecting individual or lab-pooled samples:**

- Head to [color.com/readycheckgo-admin](https://color.com/readycheckgo-admin) and sign in to Color.
- Select your site and "COVID-19 individual lab testing".
- Search and select the name of the participant. Verify their date of birth, then select "Patient Arrived."
- Remove a tube from its biohazard bag and scan or type in the tube's barcode. Select the specimen type (most often this is anterior nares). Confirm and continue.
- Walk the participant through sample collection and click "Complete."
- Ensure the participant puts the swab in the tube, caps the tube tightly, and seals the tube in its small biohazard bag.

# What Our ReadyCheckGo Customers Are Saying

**We love the student swabs.** It gives them a sense of empowerment and involvement in the testing process that they even love. We've even heard them tell their friends about their experience.

**Customer service has been A-1 since Day 1.** From the first day of testing to regular check-ins, COLOR and Thermo Fisher have been there every step of the way. They are just wonderful.

**It only took 10-14 days to implement the first pool test.** It's not something that requires months and months of planning.

I think as we look to the next school year and with ever-changing guidelines from the CDC, **testing provides has comfort and peace of mind that our students and staff are safe.**

*The success and scalability of the ReadyCheckGo program has been proven in one of the largest school districts, Chicago Public Schools, where we onboarded over 500*

# Allow us to help you!

Allow us to assist with any next steps or simply answer questions you may have.



Want to get started today? Contact us at [safeandhealthyschools@thermofisher.com](mailto:safeandhealthyschools@thermofisher.com)



Learn more at [thermofisher.com/readycheckgo](https://thermofisher.com/readycheckgo)



[mackenzie.varga@thermofisher.com](mailto:mackenzie.varga@thermofisher.com)



**THANK YOU!**  
Questions?

