Presentation of School Based Testing Programs for Detection of COVID-19

Achieve Health Management Presenters:
Charles Parks, Chief Executive Officer
Tadd Lazarus, MD, Chief Medical Officer

Inform Diagnostics Presenter:
Patty Sipes, Chief Commercial Officer

CRISIS GO Presenter:
Jim Spicuzza, Chief Product Officer
Achieve Health Management is a contracted supplier of as needed PCR COVID testing and rapid Antigen test kits for the Texas Department of State Health Services administered for Texas school districts by the Texas Education Agency.

Achieve Health Management is a Clinical Services company comprised of four divisions led by Principals with decades of innovative healthcare services experience across all channels and classes of trade.

**Achieve Care**
Point of Care Solutions for Remote Physiological Monitoring in senior housing environments
- Point of Care RPM
- SNF, LTC, RCFE
- Hospitals
- Retail Rx

**Achieve Clinical**
Global Clinical and Administrative Call Center Services Provider
- Health Plans
- IPAs
- MSOs
- RPM Companies

**Achieve Diagnostics**
Develops Strategic Alliances and Distribution Partnerships with Molecular Diagnostics Manufacturers
- COVID-19 Testing

**Achieve RPM Direct**
Remote Physiological Monitoring Platforms, Devices and Services for Independent Physician Groups
- Independent Physicians
- Specialty Physician Groups
Specimen collection types and swab types for COVID-19 diagnostic testing

The following specimen and swab types are appropriate and offered by Achieve for SARS-CoV-2 testing:

**Anterior nares specimen** collected by an HCP or by onsite self-collection using a flocked swab, round foam swab, or spun fiber swab; or

**Saliva specimen** collected by an HCP or by onsite self-collection using a saliva collection funnel and tube.
Achieve Health Management provides comprehensive solutions for the range of COVID-19 testing needs

**GeneFinder™ COVID-19 PCR**

- Guaranteed supply of GeneFinder™ COVID-19 Plus RealAmp Tests -- FDA EUA
- Contracted CLIA-laboratory network for rtPCR
- Rapid Antigen testing on-site
- Collection kit supplies, training/in-service
- Results reported via HIPAA-compliant portal within 48 hours of specimen receipt

**Specimen Collection Services**

- Collection kit shipment to facilities (Anterior Nares swabs, Saliva and rapid Antigen tests)
- Pre-paid shipping labels provided
- Contracted medical staff to collect specimens (can be arranged by individual facility if needed)
- Funding provided by Texas DSHS
1. Establish testing objectives, timing and expectations
2. Conduct joint kick-off meeting and provide written statement of work
3. School will be responsible for providing space and other needs for test sites
4. Achieve will provide specimen collection kits, requisition forms and labels at testing locations
5. Achieve will provide medically trained and qualified staff to oversee the specimen collection process along with administrative support personnel
6. Testing and results reporting will be completed within 48 hours (business days only) within receipt of packaged samples
7. Test results will be provided to test recipients via online portal, phone, secure email or SMS text
8. Results reporting integrates with school SIS and staff directory services
9. Results will be reported to Federal, State, and Local health authorities, as mandated
On-Site Testing Process Flow (Example)

Start event

Waiting Area:
Indoor or outdoor
Physical distancing, masks and sanitizer can be provided

Registered? Pre-Registered

Walk Up

Registration Station 1:
Enter data in portal
Print confirmation
Print vial label

Sample Collection Station:
Swab and label vial
Prep for shipping

Exit

Registration Station 2:
Confirm registration
Print confirmation
Print vial label

9/20/2021
COVID-19 Testing: PCR, Antigen, & Serology

There are three types of tests available for COVID-19 that can detect whether a person had it in the past (serology testing, which tests for antibodies against SARS-CoV-2, the virus that causes COVID-19), or whether they have it in the present (polymerase chain reaction (PCR) testing and antigen testing, which test for active infection). This document is designed to explain the differences between PCR, antigen, and serology testing, and when one test might be used over another. This document was adapted from the Texas Department of State Health Services.

<table>
<thead>
<tr>
<th>Topic</th>
<th>PCR Test</th>
<th>Antigen Test</th>
<th>Serology Test</th>
</tr>
</thead>
<tbody>
<tr>
<td>Why is the test used?</td>
<td>PCR (molecular) tests look for the genetic material of the virus itself in the nose, throat, or other areas in the respiratory tract to determine if there is an active infection with SARS-CoV-2.</td>
<td>Antigen tests look for pieces of proteins that make up the SARS-CoV-2 virus to determine if the person has an active infection.</td>
<td>Serology looks for antibodies against SARS-CoV-2 in the blood to determine if someone has been infected in the past. Antibodies are formed by the body to fight off infections. IgM is the first antibody that is formed against a germ, so it appears on tests first, usually within 1-2 weeks. The body then forms IgG, which appears on tests about 2 weeks after the illness starts. IgM usually disappears from the blood within a few months, but IgG can last for years. Some antibody tests test for IgM and IgG, and some only test for IgG.</td>
</tr>
<tr>
<td>Topic</td>
<td>PCR Test</td>
<td>Antigen Test</td>
<td>Serology Test</td>
</tr>
<tr>
<td>--------------------</td>
<td>--------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>How is the test performed?</td>
<td>In most cases, a nose or throat swab is taken by a healthcare provider, and that swab is sent to the lab for testing. Testing can also be done with a Rapid Test in which results are available quickly, this is usually done within your doctor's office.</td>
<td>In most cases, a nose or throat swab is taken by a healthcare provider, and that swab is sent to the lab for testing. Testing can also be done with a Rapid Test in which results are available within 15 minutes.</td>
<td>In most cases, a blood sample is taken and sent to the lab for testing.</td>
</tr>
<tr>
<td>What does a positive test mean?</td>
<td>A positive PCR test means that the person being tested has the virus that causes COVID-19. People who first test positive should isolate for a minimum of 10 days after symptoms begin, be afebrile (with no fever) for at least 24 hours and have symptoms improving. People with no symptoms should isolate for 10 days after the date of their test.</td>
<td>A positive antigen test means that the person being tested has the virus that causes COVID-19. People who first test positive should isolate for a minimum of 10 days after symptoms begin, be afebrile (with no fever) for at least 24 hours and have symptoms improving. People with no symptoms should isolate for 10 days after the date of their test.</td>
<td>A positive antibody test means that the person being tested was likely infected with COVID-19 in the past and that their immune system developed antibodies to try to fight it off. There is no recommendation for isolation with a positive antibody test. If symptomatic, follow-up with a PCR or antigen test to determine if currently infected.</td>
</tr>
</tbody>
</table>
| What does a negative test mean? | A negative molecular test means that the SARS-CoV-2 virus was not detected. However, it doesn’t rule out infection prior to the virus being at a detectable level. You should continue a full 14-day quarantine and monitor for signs and symptoms of infection. If you remain symptom-free, you may reduce your quarantine period from 14 days to 10 days. If you receive a negative result from a viral COVID-19 test (PCR or rapid antigen), you can reduce your quarantine to seven days. Your test can be collected no earlier than 48 hours prior to your quarantine release date, so the earliest you can be tested is day five from your exposure date. You must continue to quarantine while awaiting test results.  
  - The CDC recommends that fully vaccinated individuals who remain symptom-free do not need to quarantine but should get tested for COVID-19 3-5 days following an exposure and wear a mask in public indoor settings for 14 days or until they receive a negative test result. | A negative antigen test means that SARS-CoV-2 viral proteins were not detected. However, it doesn’t rule out infection prior to the virus being at a detectable level. If there is still concern that a person has COVID-19 after a negative antigen test, then that person should be tested again with a PCR test. You should continue a full 14-day quarantine and monitor for signs and symptoms of infection. If you remain symptom-free, you may reduce your quarantine period from 14 days to 10 days. If you receive a negative result from a viral COVID-19 test (PCR or rapid antigen), you can reduce your quarantine to seven days. Your test can be collected no earlier than 48 hours prior to your quarantine release date, so the earliest you can be tested is day five from your exposure date. You must continue to quarantine while awaiting test results.  
  - The CDC recommends that fully vaccinated individuals who remain symptom-free do not need to quarantine but should get tested for COVID-19 3-5 days following an exposure and wear a mask in public indoor settings for 14 days or until they receive a negative test result. | A negative antibody test means that the person may not have had COVID-19 in the past. However, they could still have a current infection, and the antibody test was collected too soon to give a positive result. |
<table>
<thead>
<tr>
<th>When is it helpful?</th>
<th>After stopping quarantine, you should watch for symptoms until 14 days after exposure. If you have symptoms, immediately self-isolate and contact your local public health authority or healthcare provider. Make sure to continue wearing a mask, stay at least 6 feet from others, wash your hands, avoid crowds, and take other steps to prevent the spread of COVID-19.</th>
</tr>
</thead>
<tbody>
<tr>
<td>• It can be used to determine who has an active infection.</td>
<td>settings for 14 days or until they receive a negative test result. After stopping quarantine, you should watch for symptoms until 14 days after exposure. If you have symptoms, immediately self-isolate and contact your local public health authority or healthcare provider. Make sure to continue wearing a mask, stay at least 6 feet from others, wash your hands, avoid crowds, and take other steps to prevent the spread of COVID-19.</td>
</tr>
</tbody>
</table>
| • It can help identify people who are contagious to others. | • It can be used to quickly determine who has an active infection.  
• It can help identify people who are contagious to others.  
• It is a less expensive than a molecular test. |
| • It can identify people who had an infection in the past, even if they had no symptoms of the illness.  
• It can help determine who qualifies to donate convalescent plasma.  
• It is helpful on a population level to determine how many people may have been infected with COVID-19 in a community or region.  
• It may be negative if it is used too close to the beginning of an infection, which is why it should not be used to detect active COVID-19 infection. |
### When is it not as helpful?

- It only helps determine whether a person has an active infection at the time of testing. It does not help determine who had an infection in the past. It also does not help determine which people who have been exposed to COVID-19 will develop active infection during the 2 weeks after exposure.
- In some people, the virus can only be found by PCR for a few days at the beginning of the infection, so the test might not find the virus if the swab is taken more than a few days after the illness starts.
- In some people, the virus can be found by PCR in the nose and throat for several weeks, longer than the time that they are contagious to other people.
- It will miss some who are infected.
- Antigen tests are less sensitive than molecular tests, meaning there may be false negative results.
- Negative tests should be treated as presumptive. If a healthcare provider is concerned that the person has COVID-19, even after a negative antigen test, then the test result should be confirmed with molecular testing.
- Some antibody tests have low sensitivity and specificity and so may not produce reliable results.
- Some antibody tests may cross-react with other coronaviruses that are not SARS-CoV-2, the virus that causes COVID-19, leading to false test results.
- We don’t have enough information yet to say how protected someone might be from being infected again if they have antibodies to the virus. Even with a positive antibody test, people should quarantine after exposure because reinfection may occur.

### Other Information to Help Determine Usefulness of a Test

When new tests come out, they are evaluated for how well they work. You may see the following terms used in reports about new tests.

**Sensitivity**: Sensitivity is sometimes called the “true positive rate.” It measures how frequently the test is positive when the person being tested has the disease. For example, when a test has 80% sensitivity, the test detects 80% of patients with the disease (true positives). However, 20% of patients with the disease are not detected (false negatives) by the test.

**Specificity**: Specificity is sometimes called the “true negative rate.” It measures how frequently the test is negative when the person being tested doesn’t have the disease. For example, when a test has 80% specificity, the test correctly reports 80% of patients without the disease as test negative (true negatives). However, 20% of patients without the disease are incorrectly identified as testing positive (false positives) by the test.

**Positive Predictive Value**: Positive predictive value is a measure of how likely it is that a positive test is a true positive rather than a false positive. This is dependent on how many people in the population being tested have had the disease. When there are very few people in the population that have had the disease, then there is a higher chance that a positive test is a false positive. When there are many people in a population that have had the disease, then there is a higher chance that a positive test is a true positive.
Overview of InformDX

Headquartered in Irving, Texas
One of the largest independent pathology labs in the nation
1,300 practices and 2,500 providers
1.3 million+ specimens processed annually
4 state-of-the-art laboratories
Well-established reputation
  Accuracy rates among the highest in AP industry
  50+ fellowship-trained, subspecialty pathologists
  Semi-academic approach
  Consensus conferencing
  Pathologist-to-clinician interaction
Our Subspecialties

COVID-19 Testing
• Our molecular team of expert technicians and pathologists can deliver definitive results for COVID-19 testing within 1-2 days.

Gastrointestinal Pathology
▪ Our comprehensive services can help diagnose a full range of GI conditions, including Crohn’s disease and hepatitis.

Dermatopathology
• Our dermatopathology lab is one of the largest in the United States and uses ancillary testing and molecular diagnostics to aid in precision diagnoses.

Urologic Pathology
• Urologists trust our advanced, in-house testing and the highly detailed prostate biopsy reports we provide.

Hematopathology
• We provide progressive molecular and antibody-based diagnostics, as well as advanced genetic testing.

Neuropathology
• We provide expert neuropathology services to hospitals and clinicians, including small fiber neuropathy testing, muscle and nerve pathology, brain and spinal cord pathology.
COVID-19 Testing through Inform Diagnostics

Molecular team of technicians and pathologists

Results within 24-48 hours of lab receipt

Offer molecular testing, which detects RNA from current virus

Use the QuantStudio™ real-time PCR system for our own lab-developed SARS-CoV-2 RT-PCR Assay

Assay detects nucleic acid from the SARS-CoV-2 virus via

- nasopharyngeal swab
- oropharyngeal swab
- saliva specimen

Over 85,000 tests performed since onset of virus
Safety iPAss 3.0
Vaccination and Testing
ABOUT CRISISGO

CUSTOMERS ARE OUR PRIORITY

- Founded in 2013
- 100% uptime over 3 consecutive years
- Offices located in California and Missouri
- Combined 90+ years of ed-tech experience in K12
- Secure platform; cloud based and geo-redundancy
- AWS Public Safety and Disaster Response Partner

16k+ Schools
50 States
9 Countries
8 Years
SAFETY IPASS
Mitigation tools to keeping students & staff safe

Certification + Vaccination + Testing + Quarantine

VALIDATION MONITORING ESCALATION TRACING

www.crisisgo.com
TEST MANAGEMENT

01 INTEGRATE WITH DIRECTORY SERVICES AND SIS
02 SEND EMAILS TO STAFF AND PARENTS TO REGISTER. THE STUDENT OR STAFF ID IS PASSED TO AHM, FOR QUALITY DATA MANAGEMENT
03 REGISTER IN AHM PORTAL
04 SEE RESULTS IN SAFETY IPASS CONSOLE

www.crisisgo.com
SEND EMAIL REGISTRATION FOR TESTING
REGISTRATION LIST

<table>
<thead>
<tr>
<th>Name</th>
<th>ID</th>
<th>Grade</th>
<th>Building</th>
<th>Appointment</th>
<th>Vendor</th>
<th>Test Time</th>
<th>Test Result</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Esther Howard</td>
<td>653518</td>
<td>1</td>
<td>Royal Maple</td>
<td>12/18/2021</td>
<td>Royal Maple</td>
<td>12/18/2020 01:40 AM</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Jacob Jones</td>
<td>44903</td>
<td>2</td>
<td>Royal Maple</td>
<td>07/26/2021</td>
<td>Royal Maple</td>
<td>07/26/2021 07:37 AM</td>
<td>Negative</td>
<td></td>
</tr>
<tr>
<td>Jane Cooper</td>
<td>558612</td>
<td>1</td>
<td>Royal Maple</td>
<td>07/09/2021</td>
<td>Royal Maple</td>
<td>07/09/2021 07:02 PM</td>
<td>Positive</td>
<td></td>
</tr>
</tbody>
</table>

Make appointments for the targeted students that need to receive the test. You can share the self-appointment link with students or their guardians to allow them to schedule a test appointment on their own. Remember that students without signed consents from their guardians cannot make test appointments. After the test, the test results can be synced from vendors or manually imported.
MANUAL TEST RESULT

Screening Test

Make appointments for the targeted students that need to receive the test. You can share the self-appointment link with students or their guardians to allow them to schedule a test appointment on their own. Remember that students without signed consents from their guardians cannot make test appointments. After the test, the test results can be synced from vendors or manually imported.

Enter Test Result

Test Time
Select date: [ ]
Select time: [ ]

Test Result
- Negative
- Positive

[Options: Cancel, Save]
### Test Results

**Screening Test**

Make appointments for the targeted staff that need to receive the test. You can share the self-appointment link with staff to allow them to schedule a test on their own. After the test, the test results can be synced from vendors or manually imported.

#### Schedule Test

- **08/02/2021 - 09/13/2021**
- **13 Buildings Selected**
- **Achieve Health Management**

#### All Tests Results

<table>
<thead>
<tr>
<th>Name</th>
<th>Staff ID</th>
<th>Building</th>
<th>Appointment Date</th>
<th>Vendor</th>
<th>Time</th>
<th>Test Result</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jim Spicuzza</td>
<td>500410</td>
<td>Benton Park Elementary</td>
<td>08/02/2021</td>
<td>Achieve Health Management</td>
<td></td>
<td>No Result</td>
<td></td>
</tr>
<tr>
<td>Jim Spicuzza</td>
<td>500410</td>
<td>Benton Park Elementary</td>
<td>08/29/2021</td>
<td>Achieve Health Management</td>
<td></td>
<td>No Result</td>
<td></td>
</tr>
<tr>
<td>Jim Spicuzza</td>
<td>500410</td>
<td>Benton Park Elementary</td>
<td>09/02/2021</td>
<td>Achieve Health Management</td>
<td>09/02/2021 09:23 PM</td>
<td>Negative</td>
<td></td>
</tr>
<tr>
<td>Jim Spicuzza2</td>
<td>23034</td>
<td>Tower Grove High School</td>
<td>08/02/2021</td>
<td>Achieve Health Management</td>
<td></td>
<td>No Result</td>
<td></td>
</tr>
<tr>
<td>Jim Spicuzza2</td>
<td>23034</td>
<td>Tower Grove High School</td>
<td>08/29/2021</td>
<td>Achieve Health Management</td>
<td></td>
<td>No Result</td>
<td></td>
</tr>
<tr>
<td>Jim Spicuzza2</td>
<td>23034</td>
<td>Tower Grove High School</td>
<td>09/02/2021</td>
<td>Achieve Health Management</td>
<td>09/02/2021 09:25 PM</td>
<td>Positive</td>
<td></td>
</tr>
</tbody>
</table>
EMAIL & SUBMIT VACCINATION RECORD

**Email Notification**

Send email notification to [email] awaiting vaccination record submission.

**Email Subject**

Staff Vaccination Record Request

**Notification Email Content**

Hello, [Staff Name],

Due to COVID-19, we have implemented the vaccination management process to protect our staff. If you are fully vaccinated, please click the report button below to upload your vaccination record with the required information.

Report

If you have any questions or concerns, please contact your supervisor for additional information.

ABC Building

---

**Staff Vaccination Record**

Staff submit vaccination record for verification

You will be regarded as fully vaccinated after receiving either a two-dose mRNA COVID-19 vaccine series or a single dose of Janssen COVID-19 vaccine. Please respond truthfully to following, and your admin will review your submission.

* Vaccine Product Name
  - Pfizer-BioNTech vaccine (two-dose)
  - Moderna vaccine (two-dose)
  - Janssen/J&J's vaccine (single dose)
  - Other

* Fully Vaccinated Date

* Vaccination Site

* Upload the scan copy of your COVID-19 vaccination record card

* Handwritten Signature

Upload your driver's license:

Attach File

Submit
CONTACT TRACING

Rapid contact tracing based on SIS, attendance, activities, vaccination status and testing.

In combination with quarantine & isolation management; Based on vaccine status and symptoms.

Contact tracing communication support, and guidance to test for rapid contact tracing and case identification.

www.crisisgo.com
## IDENTIFY CASE – CAPTURE CLOSE CONTACTS

### Close Contact Query Results

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>ID</th>
<th>Grade</th>
<th>Exposure Section</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ryan Carson</td>
<td>Student</td>
<td>100006031</td>
<td>4</td>
<td>(10/19/2020) History-861-4 (10/20/2020) History-861-4</td>
<td></td>
</tr>
<tr>
<td>Oscar Schultz</td>
<td>Student</td>
<td>100006029</td>
<td>4</td>
<td>(10/19/2020) History-861-4 (10/21/2020) History-861-4</td>
<td></td>
</tr>
</tbody>
</table>
EASILY MAINTAIN QUARANTINE

<table>
<thead>
<tr>
<th>Staff</th>
<th>Student</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use the filters to search for the targeted staff. You can click the action icon to view more details and change relevant statuses.</td>
<td></td>
</tr>
<tr>
<td>All Buildings</td>
<td>Quarantine Expiration Date</td>
</tr>
<tr>
<td>Fully Vaccinated Status</td>
<td>Last Test Result</td>
</tr>
<tr>
<td>Mark as Case</td>
<td>Remove Case Status</td>
</tr>
<tr>
<td>Angela Martin</td>
<td>No</td>
</tr>
<tr>
<td>Archer Hock</td>
<td>No</td>
</tr>
<tr>
<td>Assigned Item ONLY</td>
<td>No</td>
</tr>
<tr>
<td>Athena Campos</td>
<td>No</td>
</tr>
<tr>
<td>Attendance Symptom Checker</td>
<td>No</td>
</tr>
<tr>
<td>Ava Martin</td>
<td>No</td>
</tr>
<tr>
<td>Barry Watt</td>
<td>No</td>
</tr>
<tr>
<td>Bill Hoo</td>
<td>No</td>
</tr>
</tbody>
</table>
MAINTAIN QUARANTINE RECORDS (Modified Quarantine)
Next Steps

1. If interested in on-site testing, please contact us at 1-(618) ACHIEVE or complete the online contact form at HERE

2. Schedule exploratory meeting with Achieve and CRISIS Go implementation team

3. Execute Master Service Agreement and Statement of Work