

WALK UP TESTING MODEL AT SCHOOL FACILITIES

Inspired by the successful urban testing platforms designed in South Korea, the nonprofit Community Organized Relief Effort (“CORE”) has designed a testing process characterized by individual “test pods” that deliver safe and high-quality tests at scale. This model can serve also schools effectively. This document outlines the following:

1. Types of Tests
2. Testing Workflow
3. Personnel Requirement, Materials and Supplies
4. Considerations

1. AVAILABLE TESTING METHODOLOGIES

- The test provided in this program can be administered by **finger stick**, nasopharyngeal swab or oropharyngeal swab. The first two must be administered by a trained medical assistant.
- The **nasopharyngeal swab** is inserted in the nose first, then it is pushed to the back of the throat. The swab is then rotated to collect any viral specimens that are usually found in that section.
- The **oropharyngeal swab** is self- administered and does not require a trained medical assistant. The swab is inserted in the mouth to the pharynx, avoiding the tongue and moved in the pharynx area for several seconds to assure the quality of the test.

2. TESTING WORK FLOW

Patient in-take and test prep

- Patient registers for test online via Curogram Intake Portal app <https://curogram.com/>
- Patient testing appointment and location is confirmed through text/email with confirmation number.
- Testing partner Curative provides test corresponding to pre-registered patients
- <https://www.curativeinc.>

Test administration

- Patient arrives: appointment / identity / contact information is confirmed
- Patient is guided to medical professional for finger stick or nasopharyngeal swab test; or
- Patient is given self-administered test with instructions
- Patient performs test with supervision

Test results delivery and follow-up

- Test results are delivered to Curogram from dissemination. <https://curogram.com/>
- Negative results delivered by email/text
- Positive results delivered by physician phone/video call to patient – arranged through web platform
- All back end communication managed through Curogram SMS app <https://curogram.com/>
- Test is scanned and linked with patient

3. PERSONNEL REQUIREMENTS, MATERIALS, SUPPLIES (PER DAY/ 200 PATIENTS)

Personnel

- Site Manager
- Assistant Site Manger
- Inventory Manager
- Generalists: Registration verification/Check-in/Test Demonstration workers
- Teachers

PPE Materials

- PPE: Coverall- 12 per day
- Surgical Mask-25 per day
- N95 Masks- 14 per week
- Examination gloves- 800 per day (medium/large size)

Technical Support

- Laptops (2)
- Printer (2)
- In-take/Follow-up Partner Software
- Walkie-Talkies (6)
- Classroom Teachers/ Teacher Aids

Test Site Supplies

- Hand Sanitizer (6)
- Sanitation wipes (6)
- Paper towels (2)
- Contamination Buckets (2)
- Clean Buckets (4)
- Trash Cans (4)
- Storage Boxes (6)
- Extension Cords (2)
- Multi-outlet plugs (2)
- Gas Generator (1)
- Tables (2)
- Chairs (10)
- Chalk

4. SCHOOL SITE TESTING

Testing Protocols:

Testing needs to be available at the school site for staff, children and, if need be, families. School staff need to be tested PRIOR to any of this plan beginning.

- Testing all faculty and staff
- Testing of students
- Person to person communication for “positive tests results
- Optional testing of family members
- Optional daily temperature taking of students and staff
- Use a data base to document testing results, and a process for communicating results and follow up for positive tests and CONTACT TRACING.

Test Scheduling:

Testing could be part of the school preparation process and can comfortably take place over two weeks before the start of school.

- Work with each principal to prepare schedules for testing
- Testing should occur two weeks prior to the start of the school year
- Conduct tests by classroom (elementary) and by homeroom (high school)
- K-12 tests two grades each day. High schools test two grades each week
- When testing indoors, isolate testing to an area where instruction is not occurring
- Consider using multiple classrooms, if needed, as waiting areas to limit number of people congregating during testing
- Have students bring their parents/family members, siblings to accompany them to be tested
- Limit the number of people to be tested during any period based on medical advice
- Faculty and staff first followed by the students
- Negative results communicated electronically
- Positive results communicated directly

Positive Test Result Protocol

- *Mandatory notification, quarantine and extended testing procedures for those testing positive.*
- Two-week quarantine or duration recommended by health care professionals
- Testing opportunity for family
- Retest
- Remote instruction for those testing positive.
- CONTACT TRACING

5. TEMPERATURE GAUGING

Implementing a system to provide large scale, school-site based testing provides schools infrastructure to conduct effective screening when needed.

- The best practice is to use equipment that requires no direct contact between the temperature-taker and those being gauged.
- Scanners that can measure temperature remotely are ideal. Forehead scanners also minimize the amount of contact.
- If there are issues sourcing thermometers, oral or other types of thermometers are a reasonable substitute. Thermometers must be thoroughly cleaned between each patient.
- If no directions are available for cleaning, rinse the tip of the thermometer in cold water, clean it with alcohol or alcohol swabs, and then rinse it again before next use.
- If you are using a temperature measurement that requires contact between the temperature taker and the employees, the temperature taker should be equipped with adequate PPE to ensure safety for both parties.
- The temperature-taker should be provided with gloves, goggles, face masks, and gowns. If the temperature taker is not using a “touch-less” system, he or she should change gloves with each scan.

6. ADDITIONAL CONSIDERATIONS

- Secure site and site security with local governments
- Secure consistent supply of test kits through Curative
- Secure funding for test kits.
- Secure complete PPE: Currently PPE gowns are of particular concern
- Secure web based in-take/follow-up app: Curogram