

Covid Mobile Testing

The goal of the Health Department Mobile Testing Resource Team is to bring testing, case investigation, vaccinations and community health workers to one site when requested by Epi or the Service Provider branch.

This work may be performed inside or outside and may work outside of a mobile van. Conditions will vary and be austere, so dressing accordingly is important.

Safety

Safety is paramount on this team, as you will be a part of a team collecting samples from patients for testing of Covid-19. All individuals are to be assumed Covid Positive at all times and strict adherence to safety protocols are essential to your safety and others. Safety considerations are as follows:

- PPE Requirements
 - Each staff must be trained and able to properly don and doff PPE before beginning work shift.
 - All staff are required to wear surgical masks at all times when social distancing is not possible.
 - All staff must practice good hand hygiene.
 - No sharing food and/or drinks with other staff members
- Physical Demands
 - Each staff member must be able to walk and/or stand for prolonged periods of time. Seating and break areas will be available, but the staff member must remain aware of any physical limitations.
- Environment
 - Each staff member must be able to work in a high-heat (or cold) environment in full PPE. They are responsible for maintaining proper hydration and electrolytes to prevent heat-exhaustion and dehydration. They should also arrive on-site in temperature-appropriate clothing.
- Staff
 - All employees and volunteers in close contact with patients (swabber, registrar) must watch for symptoms and wear masks per SLCO order
 - **DO NOT arrive at the testing location if experiencing the following symptoms:** Fever (100.4), cough, shortness of breath, sore throat, runny nose, body aches or pains, diarrhea, or other symptoms.
- Reporting Exposures
 - If Exposure related incident occurs, the on-site Supervisor. Health Department Staff will be communicated with to provide recommendations.

Position Descriptions

Swabber/Tester

The Swabber/Tester will test patients for presumed Covid-19 infection through the use of either a deep tissue nasal (nasopharyngeal) PCR swab or an anterior nasal rapid Covid test. This position is the closest in contact with the patient and therefore requires the most amount of PPE. Training for this position will mostly occur on site. The Swabber will educate the patient on the testing style, prepare the test for the patient, test the patient, and then after collection place the specimen in the correct vial or test kit and proceed to the next patient.

Registrar

The Register will check-in patients for testing and ensure they are registered for their Covid-19 test. They will also register patients on site who have not previously registered by inputting their demographic information into the County's Smart Sheet system. The registrar inputs the patient's test type, test date, and other pertinent information, then hands over a specimen label and appropriate test to the patient and direct them to the Swabber/Tester. This position requires less PPE and additional training will be provided on site.

Regent/Resulter

This individual is in charge of reading the rapid test results, circling the results, placing them into designated areas, and inputting the data into smart sheets. This position also oversees prepping the Binex cards and other testing specimens. PPE is lowest for this, only a mask and gloves. This position can be performed by 1 or 2 staff, depending on the testing volume of the event. If split into 2 positions, person 1 will be adding reagent to the Binax test, and person 2 will be resulting the tests.

Position Training

Registrar

Pre test: Set up working area, ensure Wi-Fi is good, login to Smart Sheets, collect testing equipment and labels. Begin testing

Post Test: Clean up area, lock and charge iPads, ensure all information is inputted correctly, and stow equipment.

The Register will:

- A. Greet Patient
- B. If patient is pre-registered, look them up in SS and input the needed data
- C. Identify which test they need and educate them.
- D. Prepare test kit and label and scan it into SS.
- E. Hand them the label and test kit as appropriate (a. Big label if only rapid, small label and bag if PCR, or both if both)
- F. Show them which way to go to testing
- G. Begin next patient

- H. If patient is not registered: encourage them to sign in via the provided QR code first.
 - a. If patient is unable to register themselves, register patient.

PPE: Gloves, N-95 Mask or higher, and face shield

In a nutshell:

Swabbing Procedure - Barcoder

- Grab test and ensure quality
- Find clients in COVID-19 Registration Smartsheet
 - Last Name
- Verify Information
 - Name
 - DOB
- Input Information
 - Confirm TestType
 - Scan barcode to Specimen ID
 - Input collection date, specimen source, test_type
 - Select *Tested*
- Refresh Page



Swabber

Pre-Test: Don PPE, Grab equipment, set up station, and begin testing.

Post Test: Clean Area, grab equipment and Doff PPE

Swabber will:

1. Greet patient
2. Identify which test they are taking (Big label, Rapid, Small label PCR/With bag, if both then both tests)
3. After the identification of the test, grab appropriate testing collection equipment
4. Prepare equipment and educate the patient
5. Swab the patient
 - a. *NP*
 - i. Insert swab through nostril parallel to palate until resistance is encountered.
 - ii. Leave swab in place for 5 seconds.
 - iii. Gently rub and roll the swab to collect secretions. (2 seconds)
 - iv. Remove the swab while rotating
 - b. *Rapid (Binax Now)*
 - i. insert swab Approx. 1 inch into nostril

- ii. Rub all sides of the nose for 15 seconds, making ~5 circles in the bottom of each nostril while also twisting the swab.
 - iii. Perform the same on the other nostril
 - iv. Remove and immediately place into BinaxNOW card and press timer for 15 minutes. (note if patient coughs remove swab slightly)
- c. **DIFFERENT TYPES OF TESTS MAY BE ADDED DEPENDING ON AVAILABILITY – YOUR LEAD WILL LET YOU KNOW – PLEASE CHECK FOR ANY UPDATES REGULARLY.**

6. After swabbing the patient bring both specimens back to the collection area for reading. Make to press the timer for the rapid tests.

7. Change gloves and go back to the next patient.

PPE: Double gloves, Gown, face shield and N95 or PAPR.

In a Nutshell:

Swabbing Procedure - Tester

- Explain the procedure
 - Ask if they've had this test done before
- Remove swab from sterile container only after patient gives informed verbal consent and is willing to be tested
- Perform test
- Answer questions
- Follow PPE protocols
- Grab test to hand to Assistant



Pediatric Patient Considerations

Things to consider:

- This is a scary time for children, approach them with ease.
- Be as upbeat and encouraging as possible.
 - “I’m going to tickle your nose” or “I’m going to steal your boogers”
- It’s recommended that the child be tested first - no chance to see the parents’ reaction.
 - Parent is first if the child is an infant (child can be consoled after the test)

Positioning:

- Place the child with their back against the parent.

- Instruct the parent to take one arm and wrap it around the child's chest while holding one of their hands. Wrap parent's other hand around the child's lower torso while holding their other hand.
- Swabber may use their nondominant hand to secure the child's head by gently holding the child's chin if necessary.
 - Please ask parents before touching or restraining child in any way.
- Alternate position:
 - If the child thrashes their head around, another position you can try is to have the parent wrap one arm around their child's upper torso while holding both of their hands with the other wrapped over the child's forehead to secure the head in place. This is not the recommended position but it can work.

Testing:

- Proceed the same way you would on an adult.
- Children must be 2 months old in order to be tested.
- An NP swab should be used on every child under that age of 5.
- Note: children's anatomy is smaller, the swab should not advance as far as an adult's would.

After:

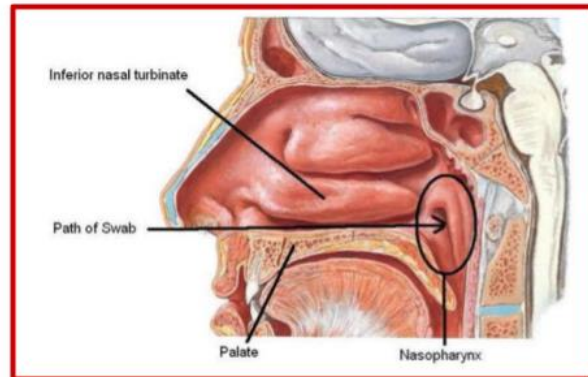
- A pediatric "treat" may be available to hand out after testing. These include stickers, playdough, etc. that the child will receive for completing the test. They should be kept away from the immediate testing area in a sealed bag or folder to avoid cross contamination. Clean gloves should be used when touching the bag or folder.
- Be sure to check with parents that it's okay to give the child a toy.

Specimen Collection Training

NP PCR:

Testing Protocol - Nasopharyngeal

- Swab will enter at near horizontal angle
 - Not Vertical (nasal)
- Insert ~4 inches (red line) or until resistance is felt
 - **DO NOT FORCE**
- Rotate swab intermittently for 3-5 seconds
 - Allows for secretions to absorb on swab
- Remove Swab
 - Check for secretions. Repeat if needed.

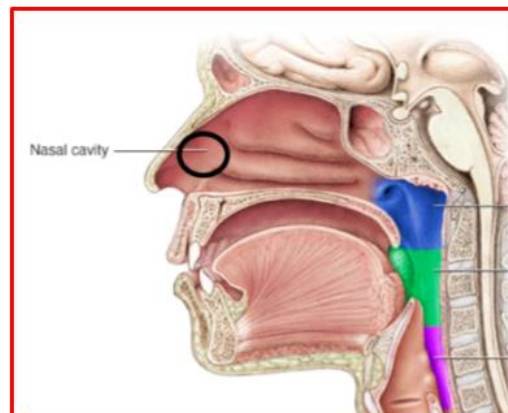


Video: <https://youtu.be/icoOfx5-NFg>

Rapid Test:

Swabbing Protocol- Nasal (BinaxNOW)

- Swab will enter at ~45° angle
- Push swab until resistance is met at the level of turbinates
 - ~ 1 inch
- Rotate swab for 15 seconds
- Repeat procedure on other nostril

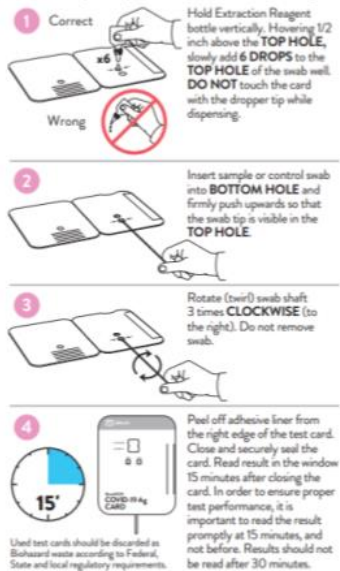


Video: <https://youtu.be/1B0xNfFVmKU>

Result Reading and Using Binax Rapid Tests:

Part 1 - Sample Test Procedure

Patient Samples require 6 drops of Extraction Reagent.



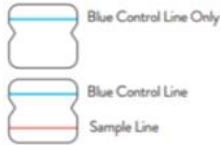
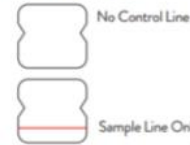
Negative Result



Positive Result



Invalid Result



Reagent/Results

This position will ensure kits are placed out, read and data entered.

Pretest: Set out equipment, tables, kits, prepare BinaxNOW cards and trays, prepare markers, have laptop ready, begin testing.

Post Test: Clean up area, read all results if any left, input results into SS, communicate them to patients, stow equipment.

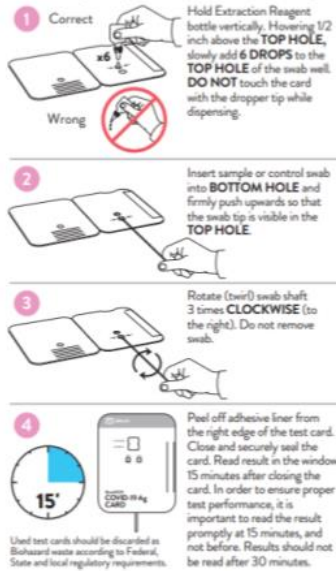
- Prepare BinaxNOW cards, trays and timers
- Prepare specimen kits
- As specimens arrive, check PCRs for accuracy and stow in cooler, input any data as needed. If rapids, stow in tray, set timer then check results after 15 minutes and circle reading result.
- As Rapids are read, place the rapids into 2 boxes a Negative or Positive box depending on their result
- Input into SS
- Continue to prepare more cards and kits as needed.

PPE (Gloves and Mask)

Result Reading of Rapids for Reagent:

Part 1 - Sample Test Procedure

Patient Samples require 6 drops of Extraction Reagent.



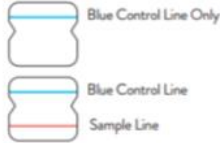
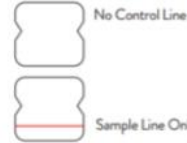
Negative Result



Positive Result



Invalid Result



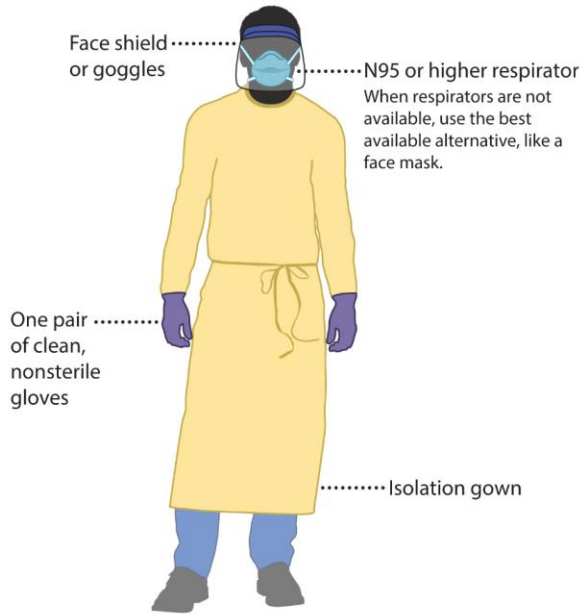
Required PPE Levels Explained

Strict PPE adherence is essential as you will be going to areas with confirmed COVID 19. All PPE is provided. **(PLEASE REVIEW THE PPE DOCUMENT TRAINING IN THE AFFIDAVIT FOR FURTHER INFORMATION ON PPE LEVELS - YOU WILL RECEIVE FURTHER TRAINING ON SITE)**

PPE for Swabber are as follow:

- PAPR (Optional) or N95
- Double gloves
- Gown

Preferred PPE – Use N95 or Higher Respirator



Acceptable Alternative PPE – Use Face mask



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cdc.gov/COVID19

PPE for Registration staff are as follow:

- N95 mask or equivalent
- Single pair of gloves
- Eye protection

NOTE: Dress accordingly depending on the weather. Shorts allowed but must be fingertip length or longer.

Donning and Doffing Procedures

For Registrars and all other staff NOT TESTING

Donning:

1. Perform hand hygiene (i.e. wash hands or apply hand sanitizer) and allow it to dry.
2. Don gloves.
3. Apply appropriate mask.
 - a. N95 mask or equivalent:
 - i. Cup mask in hand
 - ii. Place on face

- iii. Pull the bottom strap overhead and place on back of neck
 - iv. Pull the top strap overhead and place on top of head, 45 degree angle from bottom strap. *Straps should not cross for appropriate seal.*
 4. Don eye protection.

DoFFing:

1. Perform hand hygiene.
2. Remove eye protection by grabbing from straps or side of glasses.
3. Remove Gloves
4. Perform hand hygiene
5. Remove mask
 - a. N95 mask or equivalent
 - i. Cup mask with gloved hands and head facing down
 - ii. Pull bottom strap over head and release
 - iii. Pull top strap over head, mask should slide off.
 - iv. Discard in biohazard waste bag.
6. Perform hand hygiene

For Testers

This video can be shown as a demonstration and explanation for donning and doffing procedures: <https://www.youtube.com/watch?v=t1lxq2OUy-U>

Donning:

1. Perform hand hygiene (i.e. wash hands or apply hand sanitizer) and allow to dry.
2. Don gloves.
3. Don gown
4. Apply appropriate mask. (NOTE: not necessary if using PAPR)
 - a. N95 mask or equivalent:
 - i. Cup mask in hand
 - ii. Place on face
 - iii. Pull the bottom strap over head and place on back of neck
 - iv. Pull the top strap over head and place on top of head, 45 degree angle from bottom strap. *Straps should not cross for appropriate seal.*
5. Don eye protection, if applicable. (NOTE: not necessary if using PAPR)
6. Don second gloves. Pull gloves over the sleeves of gown.
7. If using PAPR, don PAPR at this time.

DoFFing:

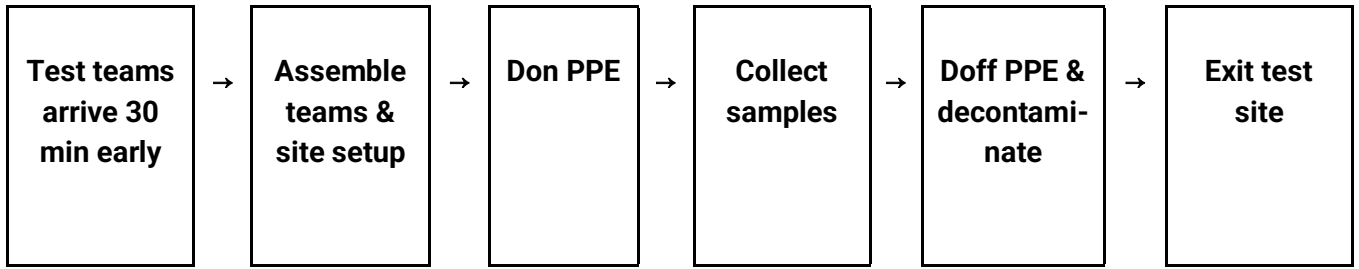
7. Perform hand hygiene.
8. Doff PAPR
9. Grab gown from the outside and tear away from body.
10. Roll gown inside out while removing from arms while removing outer pair of gloves simultaneously
11. Discard the balled up gown into biohazard waste bag.
12. Perform hand hygiene
13. Remove eye protection by grabbing from straps or side of glasses.
14. Perform hand hygiene.
15. Remove mask
 - a. N95 mask or equivalent

- i. Cup mask with gloved hands and head facing down
 - ii. Pull bottom strap over head and release
 - iii. Pull top strap over head, mask should slide off.
 - iv. Discard in biohazard waste bag.
16. Perform hand hygiene
17. Remove inner layer of gloves*
18. Perform hand hygiene

Site work flow

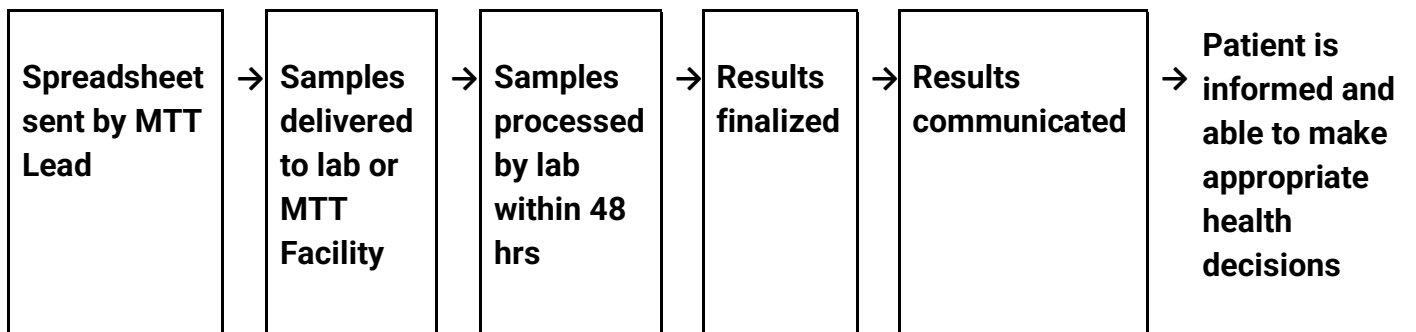
Pre-TEST SITE Workflow

1. Request comes in to provide testing at location
2. Phone call/Text/WIW notification goes out to individuals/leads on teams
3. Teams tasked to locations/drives to location at given time
 - a. If lead (At least 1 hour before time: collect needed PAPRs, testing and PPE equipment from Salt Lake Public Health Center), drive to work site and arrive 30 minutes beforehand. Ensure all equipment set out and teams are ready for collection. Can task testing team members to assist with gathering materials. After the event, collect the samples, finish line list, send to mrockwell@slco.org or testing lead and samplereceiving@utah.gov if PCR tests, and drive samples to UPHL within 1 hour after the event. Ensure PAPER batteries are charged overnight.
4. Arrive at location (30 minutes prior to collection), check in with site lead, start taking out PPE and testing materials. Set out inventory above per 1 team.
5. Attend team briefing of the objectives for the day, any situation updates and team placements
6. Teams don PPE and set out collection kits/equipment depending on the need.
7. Teams separate as needed and begin collection. After the area is done, check in with site lead on where help is needed and deliver specimens to lead.
8. PCR specimens must be placed in the cooler as soon as possible to be cooled to 45 degrees F/7.2 deg C or colder (See 'Lead' section for more detail).

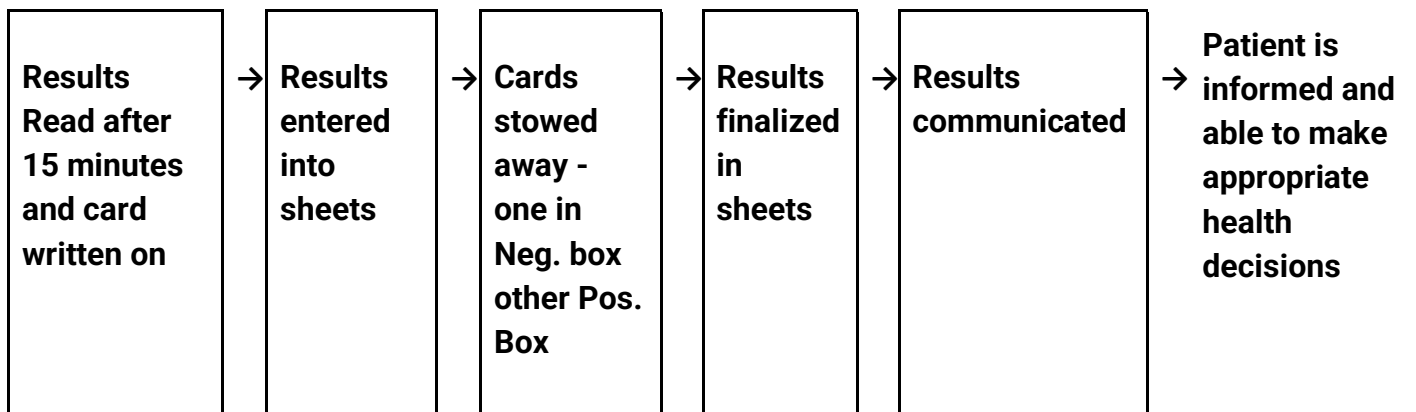


Collection Work Flow

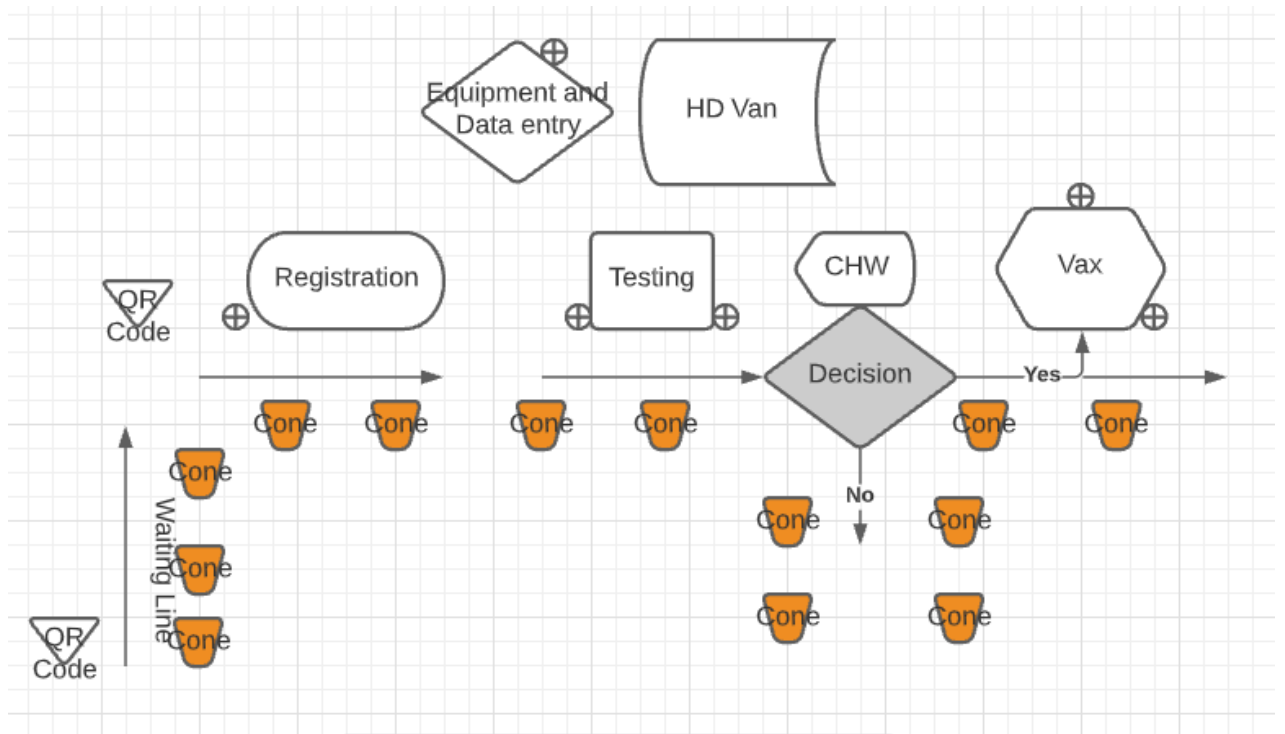
Post Event for PCR's



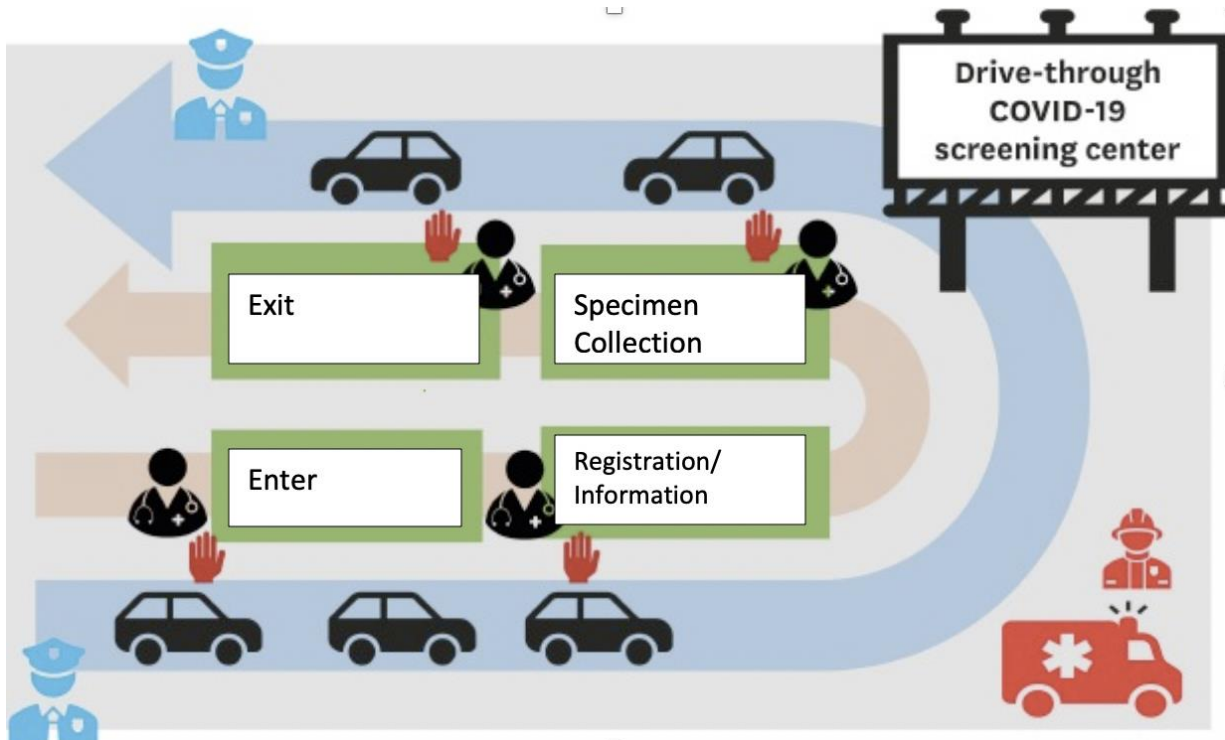
Post Event for Rapid Tests



Site Set up Walk Through (2022 Vax/Test Combined 7 Person Team)



Site Set up Drive Through (Small 1 Lane)



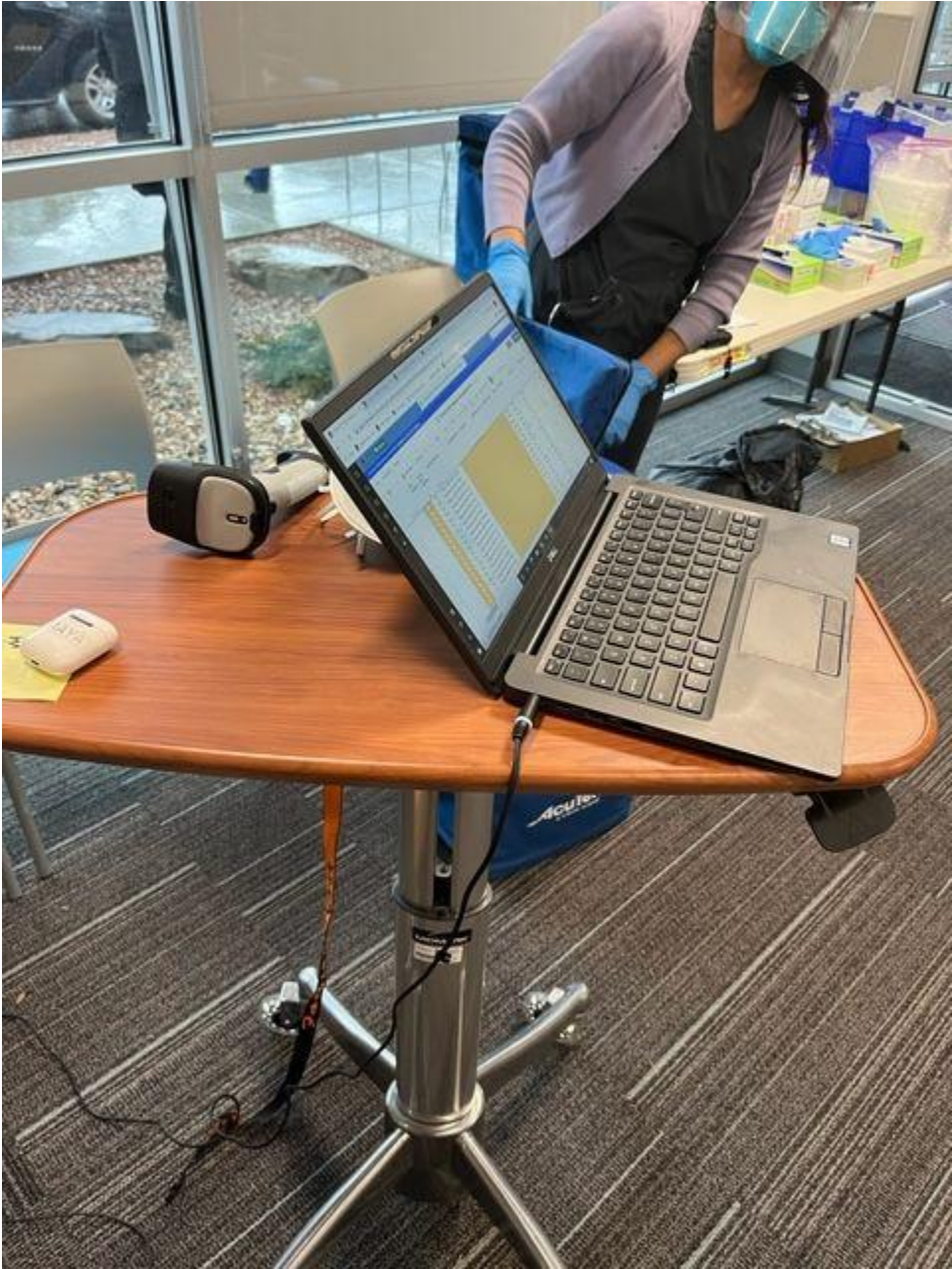
Site Examples

Testing Table with PPE





Registration Table



Reagent Table and Specimens



