

# COVID-19 CORONAVIRUS DISEASE

## Specimen Collection

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# Types of Respiratory Tract Specimens

Nasopharyngeal swab (NP)\*

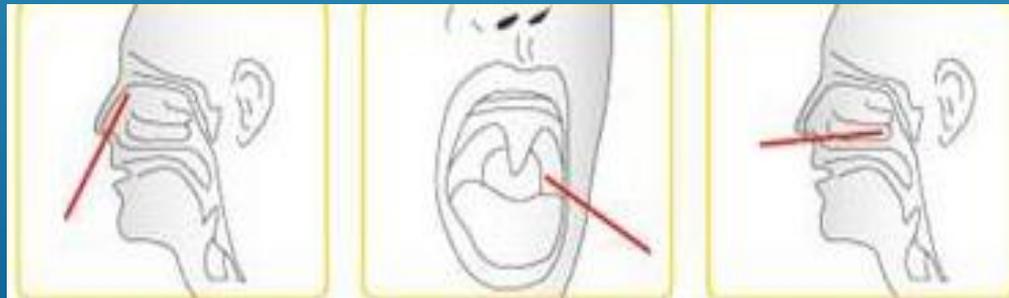
<https://www.youtube.com/watch?v=DVJNWefmHjE>

Oropharyngeal swab (OP-throat)

<https://www.youtube.com/watch?v=Jmhp9C15iK0>

Anterior nares swab (AN)

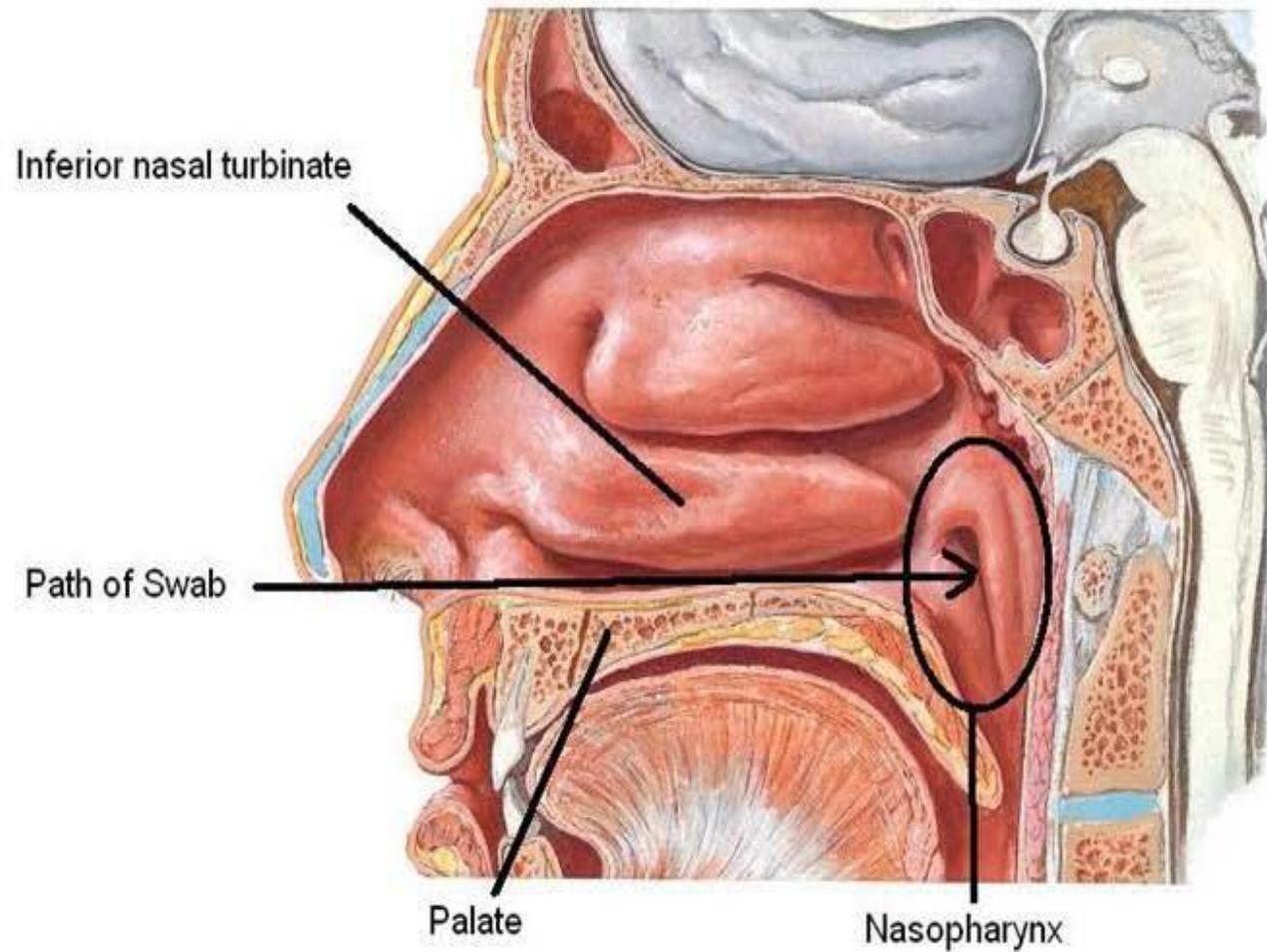
<https://www.youtube.com/watch?v=AqvloK3UuMo>



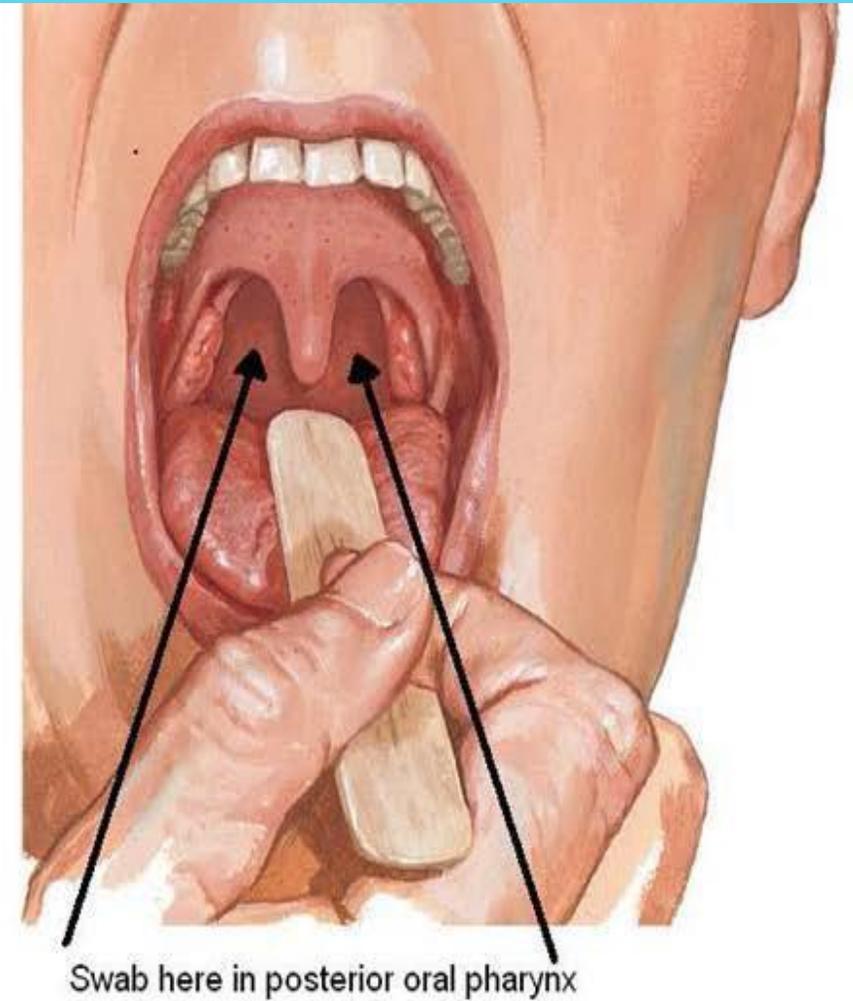
# Nasopharyngeal swab

A nasopharyngeal swab is a method for collecting a sample of nasal secretions from the back of the nose and throat. The sample is analyzed for the presence of organisms or other clinical markers for disease. This diagnostic method is commonly used in suspected cases of whooping cough, diphtheria, influenza, and various types of diseases caused by the coronavirus family of viruses, including SARS, MERS, and COVID-19

[NP Swab YouTube](#)



**Nasopharyngeal Swab**



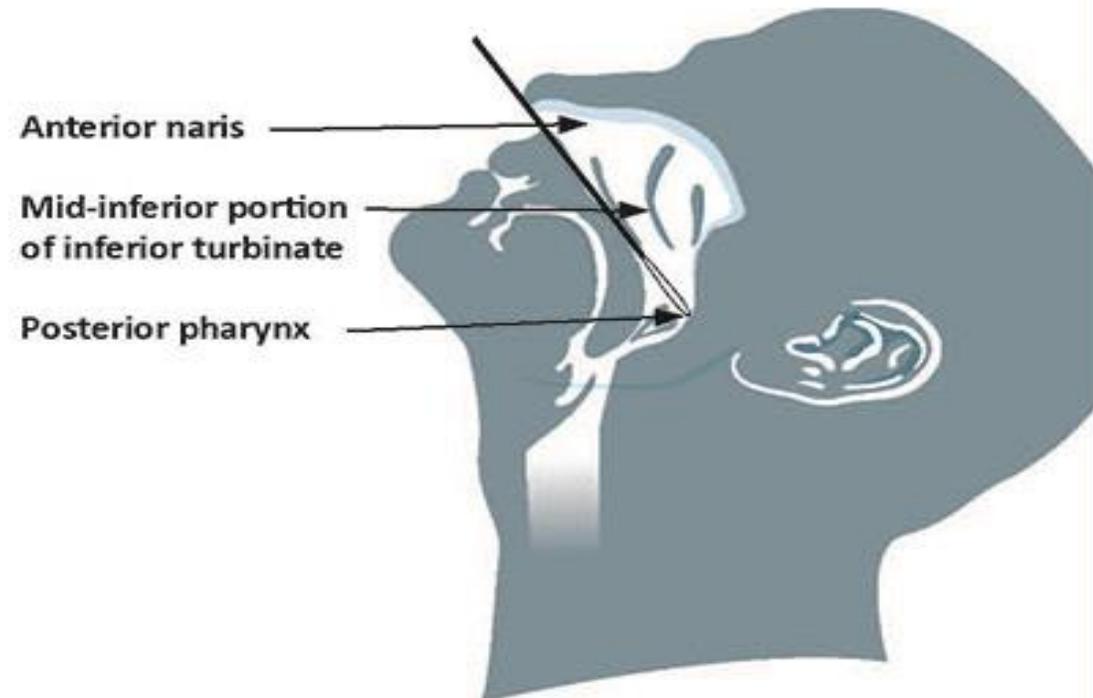
**Oropharyngeal (Throat) Swab**

## Nasopharyngeal Specimen Collection Instructions

Public  
Health  
Ontario

Santé  
publique  
Ontario

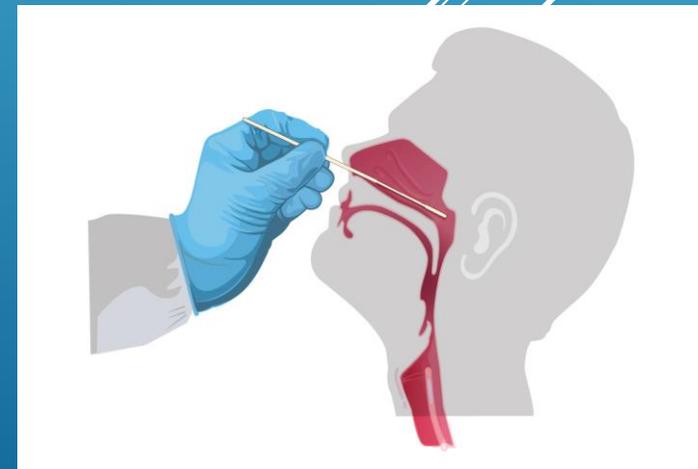
1. Tilt patient's head back 70°.
2. Insert flexible shaft mini-tip swab through nares parallel to palate (not upwards) until:
  - a. Resistance is met, OR
  - b. Distance is equivalent to half the distance from the patient's ear to their nostril.
3. Gently rub and roll the swab.
4. Leave swab in place for several seconds to absorb secretions.
5. Slowly remove the swab while rotating it and immediately place in sterile tube containing transport medium.



*In a seated position, tilt the head back at a 70° angle as illustrated in the picture*

# Specimen Collection: Points to Consider

- Maintain proper infection control practices
- Use approved collection methods and equipment
- Patient symptoms: cough, vomit, sneeze, talk
- Proper handling and storage
- environmental contamination



# Specimen Collection: Points to Consider

- Risk cross-infection and transmission
- Patient distress / uncooperative / behavioral
- Nasal obstructions-deviated septum, nasal polyps, facial trauma
- Bedbound / limited mobility
- psychological fear



# Testing Equipment Checklist

## 1) Gloves

Appropriate sizes for personnel on site

Make sure you have enough (glove changes between each test)

## 2) Gowns

Enough for all testers, plus extra in case of contamination

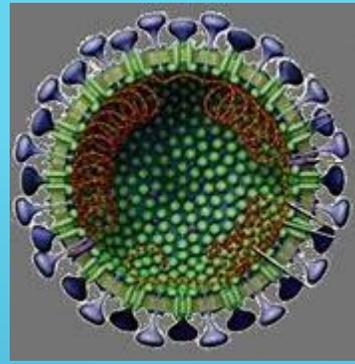
## 3) Facemasks

Enough for all testers, plus extra

## 4) Hand Sanitizer



## Testing Equipment Checklist



- 5) Rolling Carts- one for each team
- 6) Testing Supplies
- 7) Swabs/vials/requisition papers/bags
- 8) Extra swabs/vials/bags/blank requisitions for additions
- 9) OP swabs/tongue depressors

# Testing Equipment Checklist

Pedi swabs if possibility of 6mo-5yr patients  
Ice Packs for coolers  
Large plastic bins for sample collection  
Tissues and bags

10) Administrative Items  
Pens/Pencils/Highlighters  
Extra labels  
Blank requisition forms



Anti-Viral wipes to clean testing equipment/surfaces

Red Trash Cans/Biohazard Bags

Facility dependent as some are treating used PPE as biohazard waste while others are treating it as conventional waste. Check with the facility prior to arrival for waste management. The facility may be willing to dispose of the testing waste for you.



## Testing Checklist

- Contact facility 24 hrs. prior to testing to verify date/time
- The number of staff and residents being tested
- Logistics of testing area location

## Day of Testing

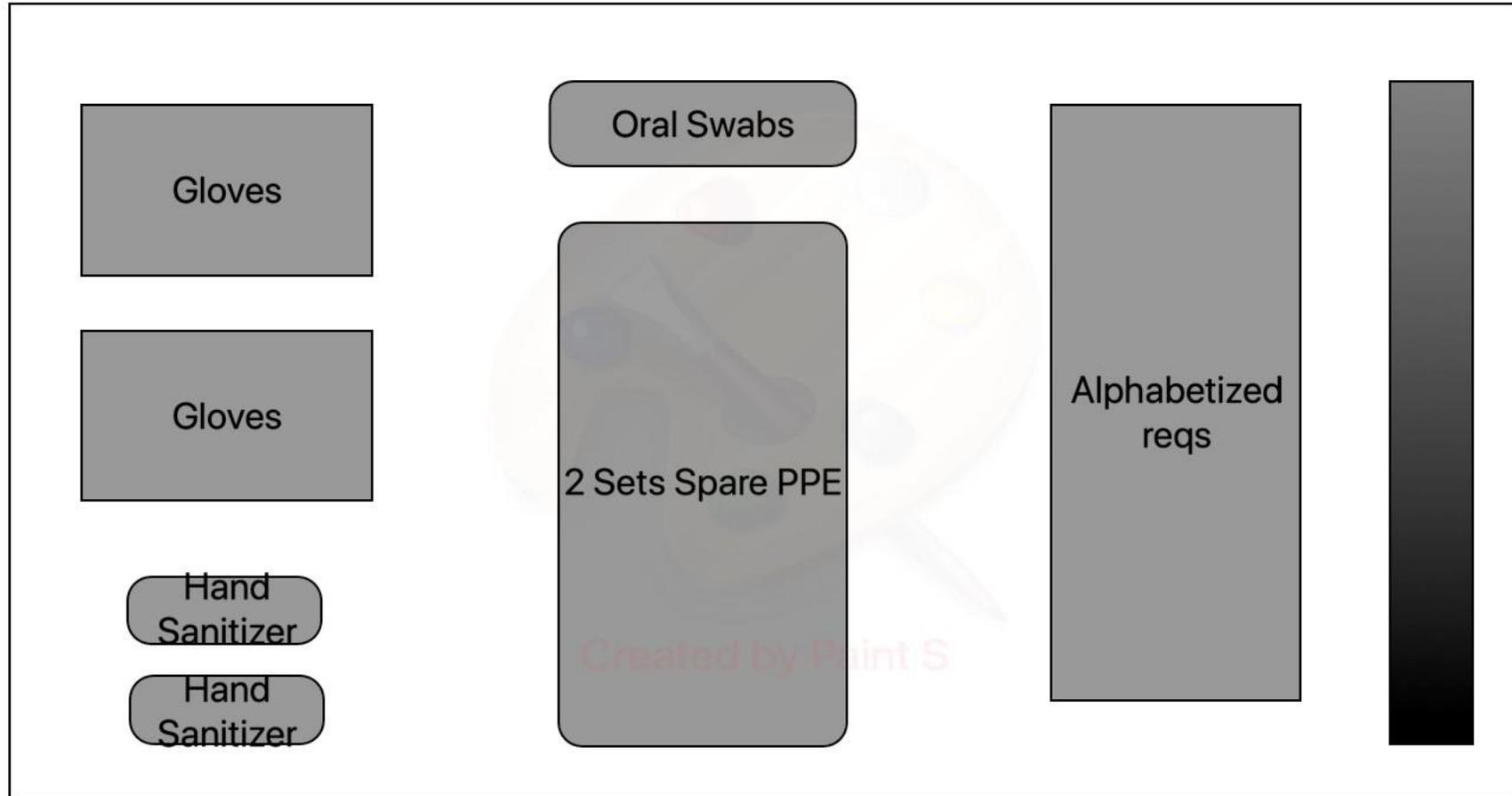
- Pick-up requisitions and labels verifying completeness
  - Print facility line list
  - Assemble and organize packets (Alphabetical/unit) checking name/DOB
  - Bring extra testing supplies including OP
  - Organize/pack PPE & cart-bring extras
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## Arrival at facility

- Contact the facility's POC
  - Verify testing plan/space is appropriate
  - Setup testing space/carts
  - Organize staff into testing teams
- 
- A decorative graphic consisting of several parallel white lines of varying lengths, slanted diagonally from the bottom right towards the top right, set against a blue background.

- Complete testing (verify name/DOB match vials & paperwork) (vials must be closed tightly)
- Highlight those tested online list-noting refusals/no shows
- additional tests performed please handwrite information

# Cart Top



## Cart Bottom



# Wrap Up

- Wipe down all supplies and repack
- Wipe down all surfaces used in facility
- Check in with POC prior to leaving
- Bring samples to the corresponding lab
- Return line list and completed checklist to CCO
- Text the above information to Parks Christenbury at 603-944-8382 prior to leaving the facility

Required Training	Source
Collection of Race/Ethnicity Identifiers	NH DHHS Office of Health Equity
Donning & Doffing Video	Donning: <a href="https://www.youtube.com/watch?v=d0lLf63iyPM">https://www.youtube.com/watch?v=d0lLf63iyPM</a> Doffing: <a href="https://www.youtube.com/watch?v=FzIWgQyTrk">https://www.youtube.com/watch?v=FzIWgQyTrk</a>
Donning & Doffing Video with PAPRS	Donning: <a href="https://www.youtube.com/watch?v=d0lLf63iyPM">https://www.youtube.com/watch?v=d0lLf63iyPM</a> Doffing: <a href="https://www.youtube.com/watch?v=FzIWgQyTrk">https://www.youtube.com/watch?v=FzIWgQyTrk</a>
NP Specimen Collection	<a href="https://youtu.be/DVJNWefmHjE">https://youtu.be/DVJNWefmHjE</a>
NP/OP swab collection video	<a href="https://www.youtube.com/watch?v=mfZYAMDpGNk&amp;feature=youtu.be">https://www.youtube.com/watch?v=mfZYAMDpGNk&amp;feature=youtu.be</a>

# References

(2020, July 13). Retrieved from New Hampshire Department of Health and Human Services COVID-19: <https://www.nh.gov/covid19/>

Coronavirus disease (COVID-19) pandemic. (2020, July 13). Retrieved from World Health Organization: <https://www.who.int/emergencies/diseases/novel-coronavirus-2019>

Interim Guidelines for Collecting, Handling, and Testing Clinical Specimens for COVID-19. (2020, July 13). Retrieved from Centers for Disease Control and Prevention: <https://www.cdc.gov/coronavirus/2019-ncov/lab/guidelines-clinical-specimens.html>

Virus Respiratory Kit (Nasopharyngeal) Kit Order #: 390082. (2020, July 23). Retrieved from Public Health Ontario: <https://www.publichealthontario.ca/en/laboratory-services/kit-test-ordering-instructions/virus-respiratory-kit>

Safety management of nasopharyngeal specimen collection from suspected cases of coronavirus disease 2019. (2020, July 13). Retrieved from National Institutes of Health: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7129371/>