

UCSF Health interim guidance for Pediatric ED and hospitalized patients with suspected respiratory illness

Guidelines are intended to assist with clinical decision-making but cannot replace personalized evaluation and management decisions based on individual patient factors

Exclusion Criteria
-Known or strongly suspected alternative diagnosis (e.g. witnessed aspiration, UTI, abdominal infection)

A respiratory illness that includes any of the following:
1. Fever (objective or subjective)?
2. New cough
3. Dyspnea
4. Myalgias/chills

This algorithm includes new admissions, transfers, and current admits

Respiratory Illness Evaluation
Surgical mask with eye protection, gloves, gown **UNLESS** having intermittent nebulized medications or other discrete aerosol-generating procedures. For this, wear an N95 & eye protection or PAPR in addition to gloves/gown during and when entering room within 1 hour after procedure. Place 'Aerosol-generating Procedure' sign on door during and for 1 hour after procedure.

Acceptable testing materials
1. Single flocked swab kit - collect NP swab only
OR
2. Dual flocked swab kit - collect NP and OP swab, place into single vial.
-Both types of tests can be requested through the same Apex order for COVID-19 RNA
-To conserve materials, please use only one type of kit
-All respiratory viral testing (COVID-19, RVP, rapid flu/RSV) should be done on the same swab

Specific testing guided by clinical presentation

Intubated, non-invasive ventilation, tracheostomy in place, high flow nasal cannula, or other continuous aerosol-generating procedures*?

1. Place patient in negative-pressure isolation room if possible
2. Place an order in APEX for 'Novel Respiratory Isolation with Negative Pressure'
3. Place 'Novel Respiratory Isolation' sign on door

Novel Respiratory Isolation with Negative Pressure
N95 & eye protection or PAPR, gloves, gown

1. Place the patient in a single patient room with door closed
2. Place order in APEX for 'Respiratory Illness Evaluation without Negative Pressure'
3. Place 'Respiratory Illness Evaluation' sign on door

-Order COVID-19 RNA, qualitative
- Order Rapid flu/RSV and RVP
-Consider evaluation with CXR, CBC w diff, CMP

Signs available at:
<https://infectioncontrol.ucsfmedicalcenter.org/ucsf-health-covid-19-resources>

RN should wear N95 & eye protection or PAPR in addition to gloves/gown while obtaining the COVID test

- Order COVID-19 RNA, qualitative
- Order Rapid flu/RSV and RVP
-Consider evaluation with CXR, CBC w diff, CMP

COVID testing positive?

1) Contact the **Peds COVID ID service** for management questions
2) Contact **HEIP** to report positive test

Continued need for mechanical or non-invasive ventilation, tracheostomy, high flow nasal cannula, or other continuous aerosol-generating procedures?

Contact **HEIP** for approval to discontinue isolation

Maintain in 'Novel Respiratory' Isolation

1. Discontinue order for "Novel Respiratory Isolation with Negative Pressure"
2. Place order for 'Respiratory Illness Evaluation without Negative Pressure'

Contact **Peds COVID ID service** for approval to discontinue isolation. If approved, primary service discontinues isolation. Refer to isolation table for pathogen specific recommendations. If all respiratory viral testing negative, place order for 'Contact/Droplet' isolation

COVID testing positive?

Initiate 'Novel Respiratory Isolation with Negative Pressure' and preferentially place patient in negative-pressure isolation room **IF** patient requires intubation, non-invasive ventilation, tracheostomy, high-flow nasal cannula, or other continuous aerosol-generating procedure

1) Maintain 'Respiratory Illness Evaluation without Negative Pressure' Isolation
2) Contact **HEIP** to report positive test.
3) Contact **Peds COVID ID service** for management questions
4) Contact **HEIP** for approval to discontinue isolation

Alternate diagnosis made? -Yes-> Refer to isolation table for pathogen specific recommendations.

Ongoing concern for viral respiratory process

Contact **Peds COVID ID service** for approval to discontinue isolation. If approved, primary service discontinues isolation. Refer to isolation table for pathogen specific recommendations. If all respiratory viral testing negative, place order for 'Contact/Droplet' isolation

Primary team discontinues isolation.

Mission Bay Hospital Epidemiology and Infection Prevention (HEIP) Business Hours
415-353-4343 or 415-806-0269 (cell)
After Hours
BCH-SF Hospital Supervisor
415-502-0728

COVID peds ID service
628-248-8292, Voalte COVID Pediatrics ID

*Aerosol-generating procedures:
https://infectioncontrol.ucsfmedicalcenter.org/sites/g/files/tkssra4681/f/Guidance_for_PPE_use_for_High_Risk_Aerosol_Generating_Procedures.pdf

**Isolation table:
<https://infectioncontrol.ucsfmedicalcenter.org/isolation-table>