

Patient with flu-like illness within past 48 hours

YES

Does patient have risk factors for complications from respiratory syncytial virus (RSV) infections, such as:

- History of stem cell transplant or solid organ transplant
- Hematologic malignancy (leukemia or lymphoma) receiving chemotherapy
- All infants <6 months old
- Premature infants
- Children <2 years old with chronic lung disease of prematurity or chronic heart disease
- Children with neuromuscular disorders

YES

Order **COFLU / Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) RNA and Influenza Virus Type A and Type B RNA Detection, PCR, *Varies*** and a separate molecular test for detection of respiratory syncytial virus (RSV).  
  
Start empiric antiviral therapy for influenza if clinically indicated.

NO

Is the patient high risk for influenza complications?\*

YES

Does the patient meet all of the following criteria?

- Temperature of 100.0 °F (37.8 °C) or greater
- Muscle aches or a headache
- Cough

YES

Order **COFLU / Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) RNA and Influenza Virus Type A and Type B RNA Detection, PCR, *Varies***  
Start empiric antiviral therapy for influenza if clinically indicated.

NO

Order **COFLU / Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) RNA and Influenza Virus Type A and Type B RNA Detection, PCR, *Varies***

NO

Is patient advised to undergo testing for public health, work, school, travel related reasons, or just wanted to be tested for COVID-19?

YES

Order **COVOO / Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) RNA Detection, *Varies***

NO

Testing not indicated

- \*\*Risk factors for complications from influenza:
- Age 65 years or older
  - Chronic pulmonary disease including asthma or COPD
  - Daily aspirin use in patients ≤18 years old
  - Heart disease, eg. congestive heart failure, history of coronary artery disease or bypass, chronic anticoagulation due to heart arrhythmia (excluding hypertension)
  - History of organ transplant
  - Liver disease, eg. history of liver cirrhosis, chronic hepatitis
  - History of renal disease with creatinine clearance less than or equal to 60 mL/minute
  - Diabetes
  - Neuromuscular disorder, eg. muscular dystrophy, multiple sclerosis, amyotrophic lateral sclerosis, myasthenia gravis
  - Neurologic disorder, eg. seizure disorder, stroke, mental retardation, moderate to severe developmental delay, spinal cord injury
  - Body mass index (BMI) 40 or unsure
  - Compromised immune system including
    - HIV/AIDS
    - Currently having chemotherapy or radiation
    - Taking prednisone in excess of 20 mg daily (or equivalent) for >14 days
    - Taking immunosuppressive medications
    - Surgical removal of the spleen
    - Sickle cell disease
  - Resident of a nursing home or other long-term care facility
  - Pregnancy or who thinks she may be pregnant
  - Within first 14 days postpartum (includes pregnancy loss)



\*This algorithm is intended to be used for outpatients only.