

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).
OR
Consider **RP / Respiratory Panel, PCR, Nasopharyngeal**
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.