**Coronavirus Disease 2019 (COVID-19), Influenza, and Respiratory Syncytial Virus Testing Algorithm**

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

OR

Consider RP / Respiratory Panel, PCR, Nasopharyngeal

Start empiric antiviral therapy for influenza if clinically indicated.

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

NO

Is patient high risk for influenza complications?**

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

NO

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

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

**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.