



### COVID-19 Diagnosis Validation 2020-10

According to your clinical acumen and in the light of clinical indicators mentioned below, please confirm your diagnosis and/or other associated pre-existing underlying comorbid diagnoses/conditions. For diagnosis validation please select ONE option from below, and for clinical indicators and other information, please select option(s) from below as applicable.

- Final diagnosis of COVID-19 confirmed (ruled in): [if so, please provide evidence(s) in support of diagnosis]: \_\_\_\_\_
- Diagnosis of COVID-19 ruled out
- Other explanation(s) of clinical findings [e.g. false negative test results]: \_\_\_\_\_
- Not known
- No further explanation required

Rational for query (this query is being asked because...):

*Please include date and location of documentation.*

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**\* Please specify**

**\*\* Specify where documentation is found**

**\*\*\* Specify the other sign and symptom, and where it is in the medical record**

***Disclaimer: This is a tool for data collection and curation, and is not suitable for – nor does it replace – clinical diagnosis or advice based on the patient’s needs.***

Signs & Symptoms:

- Pre-symptomatic/asymptomatic
- Fever \*\* [in adults: 38°C (100.4°F); in older adults: 37.8°C (100°F) with/without chills (oral temperature)]
- Cough (or exacerbation of chronic cough) \*\*
- Sore throat or difficulty swallowing \*\*
- Runny nose, nasal congestion or sneezing (not allergic) \*\*
- Shortness of breath or difficulty breathing \*\* [SpO2 ≤ 92% on room air; P/F ratio < 300]
- Severe chest pain or tightness \*\*
- Cyanosis of lips or face \*\*
- COVID toes \*\*
- Gastrointestinal symptoms (select all that apply) \*\*
  - Nausea
  - Vomiting
  - Diarrhea
  - Loss of appetite
  - Abdominal pain
  - Other: \_\_\_\_\_
- Neurological symptoms (select all that apply) \*\*
  - New loss of smell (anosmia)
  - Inability to taste
  - Muscle pain (myalgia)
  - Muscle weakness
  - Fatigue
  - Tingling and numbness in the hands and feet
  - Headache
  - Dizziness
  - New confusion
  - Lethargy
  - Inability to arouse or loss of consciousness
  - Delirium
  - Seizures
  - Stroke
  - Other: \_\_\_\_\_
- Psychological symptoms (select all that apply) \*\*
  - Stress
  - Anxiety
  - Depression
  - Other: \_\_\_\_\_
- Poor feeding (in young children) \*\*

Groups at higher risk for severe illness (select all that apply):

*Please include date and location of documentation.*

- People aged 65 years and older
- Residents of a long-term care facility or nursing home
- Chronic lung disease \*\*  
Specify:
  - COPD (emphysema)
  - COPD (chronic bronchitis)
  - Idiopathic pulmonary fibrosis
  - Cystic fibrosis
  - Other: \_\_\_\_\_
- Bronchial asthma \*\*
- Diabetes [poor glycemic control (HbA1c  $\geq$  8%)] \*\*  
Specify:
  - Type I                       Type II                       Gestational diabetes
- Severe heart disease \*\*  
Specify:
  - Heart failure
  - Coronary artery disease
  - Congenital heart disease
  - Cardiomyopathy
  - Other: \_\_\_\_\_
- Chronic kidney disease on dialysis treatment (renal replacement therapy) \*\*
- Liver disease \*\*  
Specify:
  - Cirrhosis
  - Autoimmune hepatitis
  - Other: \_\_\_\_\_
- Immunocompromised \*\*  
Specify:
  - Cancer patient on chemotherapy
  - Advanced uncontrolled HIV infection
  - Bone marrow or organ transplant recipient
  - Chronic heavy steroid usage
  - Other: \_\_\_\_\_
- Pulmonary hypertension \*\*
- Systemic hypertension \*\*
- Obstructive sleep apnea \*\*
- Severely obese [BMI > 40] \*\*
- Tobacco smoking \*\*
- Other (please specify) \*\*\*: \_\_\_\_\_

Other risk factors (select all that apply):

- Front line healthcare workers \*\*
- Recent international travel to a COVID-19 affected country \*\*
- Recent close contact with a COVID-19 case \*\*

Treatment received (select all that apply):

- Isolation
- Quarantine
- Oxygen therapy by nasal prongs/mask
- Oxygen therapy through high-flow nasal canula
- Awake early self-proning
- Non-invasive or invasive ventilation
- IV fluids
- Fluid restrictions/diuretics
- IV antibiotics: \_\_\_\_\_
- Corticosteroid therapy
  - Specify:
    - Dexamethasone
    - Methylprednisolone
    - Other: \_\_\_\_\_
- Convalescent plasma transfusion (plasmapheresis)
- Hydroxychloroquine or chloroquine
- Hydroxychloroquine or chloroquine in combination with azithromycin
- Antiviral drugs
  - Specify:
    - Remdesivir
    - Lopinavir/Ritonavir
- Interleukin-6 (IL-6) inhibitors
  - Specify:
    - Tocilizumab
    - Sarilumab
- Sepsis work-up
- Other treatment/specifications:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

These laboratory and radiographic findings are additional and optional information based on CDC guidance for 2020 from observations in COVID-19 patients in USA hospitals. It may vary among hospital, patient population and geographic area. These observations are not to be used as guidelines for clinical decision making.

Laboratory findings at hospital admission:

- Lymphopenia
- Thrombocytopenia
- Leukopenia
- C-reactive protein  $\geq$  10 mg/L
- Elevated troponin T (TnT) levels
- Elevated AST, ALT
- Elevated procalcitonin (PCT)
- Co-infections:
  - Sporadic viral co-infections reported (e.g. influenza, parainfluenza)
  - Community-acquired secondary bacterial infection

Laboratory abnormalities in severe disease (select all that apply):

Associated with severe or critical illness:

- $\downarrow$  lymphocytes
- $\uparrow$  lactate dehydrogenase
- $\uparrow$  CRP
- $\uparrow$  pro-inflammatory cytokines (TNF $\alpha$ , IL-1, IL-6) and chemokines (IL-8)
- $\uparrow$  neutrophils
- $\uparrow$  PCT
- $\uparrow$  TnT levels
- $\uparrow$  aspartate aminotransferase
- $\uparrow$  alanine aminotransferase
- $\uparrow$  D-dimers
- $\uparrow$  ferritin levels

Associated with mortality:

- Increased D-dimers
- Lymphopenia

Radiographic findings:

- Chest X-ray: bilateral air-space consolidation/pneumonia
- Chest CT scan: bilateral peripheral ground glass opacities