



Recommendations in this document apply to patients >18 years of age. For special populations, refer to the [complete guidelines](#).



Recommendations are based on the best available data and may change as additional data becomes available.



Infectious diseases consultation (where available) is recommended before any investigational treatment is offered to a patient with COVID-19 outside of a clinical trial.



Click for [dosing and pharmacologic considerations](#) for medications approved or under investigation for management of COVID-19.

## SEVERITY OF ILLNESS

## ANTIMICROBIAL

## IMMUNOMODULATORY

### Critically Ill Patients

#### Hospitalized, ICU-based

Patients requiring ventilatory and/or circulatory support; also includes patients requiring high-flow nasal cannula, non-invasive ventilation, or higher concentrations of oxygen by mask

- ◆ **Remdesivir:** It is **not recommended** to initiate remdesivir for patients on ECMO or receiving mechanical ventilation **outside of a clinical trial**.
  - **No recommendation can be made** on the initiation of remdesivir in those on high-flow nasal cannula, non-invasive ventilation, or higher concentrations of oxygen by mask. (Reason: lack of consensus)
- ◆ **Bamlanivimab** is **not recommended outside of clinical trials**.
- Bacterial co-infection is uncommon in COVID-19 pneumonia at presentation. **Do not add empiric antibiotics for bacterial pneumonia** unless bacterial infection is strongly suspected.
  - Continue empiric antibiotics for no more than 5 days, and de-escalate on the basis of microbiology results and clinical judgment.
- **Chloroquine** or **hydroxychloroquine** is **not recommended** for treatment of COVID-19.
- **Lopinavir/ritonavir** is **not recommended** for treatment of COVID-19.

### Moderately Ill Patients

#### Hospitalized, ward-based

Patients requiring low-flow supplemental oxygen

- ▲ **Remdesivir** 200 mg IV loading on Day 1, then 100 mg IV daily for 4 days or until discharge (whichever comes first) **may be considered** for moderately ill patients. **Preference should be given to enrolling in eligible clinical trials** evaluating remdesivir.
- ◆ **Bamlanivimab** is **not recommended outside of clinical trials**.
- ◆ **Antibacterial therapy** is **not routinely recommended outside of clinical trials** or where other indications would justify its use.
- **Chloroquine** or **hydroxychloroquine** (with or without azithromycin) is **not recommended** for treatment of COVID-19.
- **Lopinavir/ritonavir** is **not recommended** for treatment of COVID-19.

### Mildly Ill Patients

#### Ambulatory, outpatient

Patients who do not require supplemental oxygen, intravenous fluids, or other physiological support

- ◆ **Remdesivir** is **not recommended outside of clinical trials** for mildly ill patients.
- ◆ **Bamlanivimab** is **not recommended outside of clinical trials**.
- ◆ **Antibacterial therapy** is **not routinely recommended outside of clinical trials** or where other indications would justify its use.
- **Chloroquine** or **hydroxychloroquine** (with or without azithromycin) is **not recommended** for treatment of COVID-19.
- **Lopinavir/ritonavir** is **not recommended** for treatment of COVID-19.

- **Dexamethasone** 6 mg PO/IV daily x 10 days (or until discharge if sooner) is **recommended** for critically ill patients.
- **Tocilizumab** is **recommended** for patients who are critically ill with suspected or confirmed COVID-19, who: are on optimal dexamethasone therapy; AND are within 14 days of hospital admission (or within 14 days of a new COVID-19 diagnosis if nosocomially acquired).
  - A second dose of tocilizumab **may be considered** after 24 hours if the patient is not improving.
  - The dose of intravenous tocilizumab **may be determined** by a weight-based dose strategy (8 mg/kg, maximum dose 800 mg) OR by a weight-based dose banding strategy (800 mg if weight >90 kg; 600 mg if weight >65 kg and ≤90 kg; 400 mg if weight >40 kg and ≤65 kg; and 8 mg/kg if weight ≤40 kg).
- ◆ **COVID-19 convalescent plasma** is currently **unavailable** in Canada in critically ill patients and is unavailable outside of clinical trials.
- ◆ **Interferon** (with or without combination of lopinavir-ritonavir and ribavirin) is **not recommended outside of clinical trials**.

- **Dexamethasone** 6 mg PO/IV daily x 10 days (or until discharge if sooner) is **recommended** for moderately ill patients.
- **Tocilizumab** is **recommended** for patients who are moderately ill with suspected or confirmed COVID-19, who: have evidence of systemic inflammation, defined as a CRP 75 mg/L or higher; AND have evidence of disease progression (i.e., increasing oxygen or ventilatory requirements) despite 24-48 hours of optimal dexamethasone therapy; AND are within 14 days of hospital admission (or within 14 days of a new COVID-19 diagnosis if nosocomially acquired).
  - A second dose of tocilizumab **may be considered** after 24 hours if the patient is not improving.
  - The dose of intravenous tocilizumab **may be determined** by a weight-based dose strategy (8 mg/kg, maximum dose 800 mg) OR by a weight-based dose banding strategy (800 mg if weight >90 kg; 600 mg if weight >65 kg and ≤90 kg; 400 mg if weight >40 kg and ≤65 kg; and 8 mg/kg if weight ≤40 kg).
- ◆ **COVID-19 convalescent plasma** is **not recommended outside of clinical trials** (unavailable outside of clinical trials).
- ◆ **Interferon** (with or without combination of lopinavir-ritonavir and ribavirin) is **not recommended outside of clinical trials**.

- **Dexamethasone** is **not recommended** for mildly ill patients.
- ◆ **Tocilizumab** is **not recommended outside of clinical trials** for patients who are mildly ill with suspected or confirmed COVID-19.
- ◆ **COVID-19 convalescent plasma** is **not recommended outside of clinical trials** (unavailable outside of clinical trials).
- ◆ **Interferon** (with or without combination of lopinavir-ritonavir and ribavirin) is **not recommended outside of clinical trials**.