

Burden of COVID-19 in High-Risk Patients: Risk Assessment

What is the burden of severe COVID-19 disease on patients and the healthcare system?

- ▲ Exacerbation of underlying medical conditions
- ▲ Advanced infectious process (persistent viremia, long COVID, secondary bacterial infections)
- ▲ Increased morbidity and mortality (hospitalizations, death)

Age and underlying medical conditions are additive in assessing risk

What conditions put someone at high risk of severe COVID-19 disease?

Aged 75 years or older: strongest risk factor

- ▲ Risk of death increases based on age



Underlying medical conditions

- ▲ Hematologic malignancy on therapy
- ▲ Solid tumor on treatment
- ▲ Congenital agammaglobulinemia
- ▲ HIV infection with CD4+ 200 cells/mm3 and lower
- ▲ Other severe primary immunodeficiency
- ▲ Solid organ transplant
- ▲ Recent stem cell transplant
- ▲ Graft-vs-host disease
- ▲ B-cell depleting agents (for example, rituximab)
- ▲ High-dose corticosteroids

References:

www.cdc.gov/covid/hcp/clinical-care/underlying-conditions.html

www.idsociety.org/practice-guideline/covid-19-guideline-treatment-and-management/



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deceraclinical.com/education/COVID19playbook



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