

## **CDC DEFINITION OF MODERATE-SEVERE IMMUNOSUPPRESSION<sup>1</sup>**

- Receiving active cancer treatment for tumors of the solid organ or cancers of the blood
- Received an organ transplant and are taking medicine to suppress the immune system
- Received a stem cell transplant within the last 2 years or are taking medicine to suppress the immune system
- Moderate or severe primary immunodeficiency<sup>2</sup>
- Advanced or untreated HIV infection (people with HIV and CD4 cell counts <200/mm<sup>3</sup>, history of an AIDS-defining illness without immune reconstitution, or clinical manifestations of symptomatic HIV)
- Active treatment with high-dose corticosteroids<sup>3</sup> for conditions such as COPD, Asthma, Lupus, MS, etc.
- Active treatment with alkylating agents<sup>4</sup> for treatment of cancers
- Active treatment with antimetabolites<sup>5</sup> for cancer chemotherapy
- Active treatment with tumor-necrosis (TNF) blockers<sup>6</sup> to treat a wide range of inflammatory conditions such as rheumatoid arthritis (RA), psoriatic arthritis, juvenile arthritis, Crohn's disease, ulcerative colitis, ankylosing spondylitis, and psoriasis.
- Active treatment with immunomodulatory (e.g., B-cell depleting agents<sup>7</sup>)

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<sup>1</sup> <https://www.cdc.gov/coronavirus/2019-ncov/vaccines/recommendations/immuno.html>

<sup>2</sup> <https://www.niaid.nih.gov/diseases-conditions/types-pidds>

<sup>3</sup> ≥20 mg prednisone or equivalent per day when administered for ≥2 weeks

<sup>4</sup> <https://www.drugs.com/drug-class/alkylating-agents.html>

<sup>5</sup> <https://www.drugs.com/drug-class/antimetabolites.html>

<sup>6</sup> <https://www.drugs.com/drug-class/tnf-alfa-inhibitors.html>

<sup>7</sup> <https://www.pdsa.org/treatments/conventional/b-cell-depletion.html>