

COVID-19 Vaccine Algorithm

Is the patient eligible for a primary, additional, or booster dose?



APhA COVID-19 RESOURCES:
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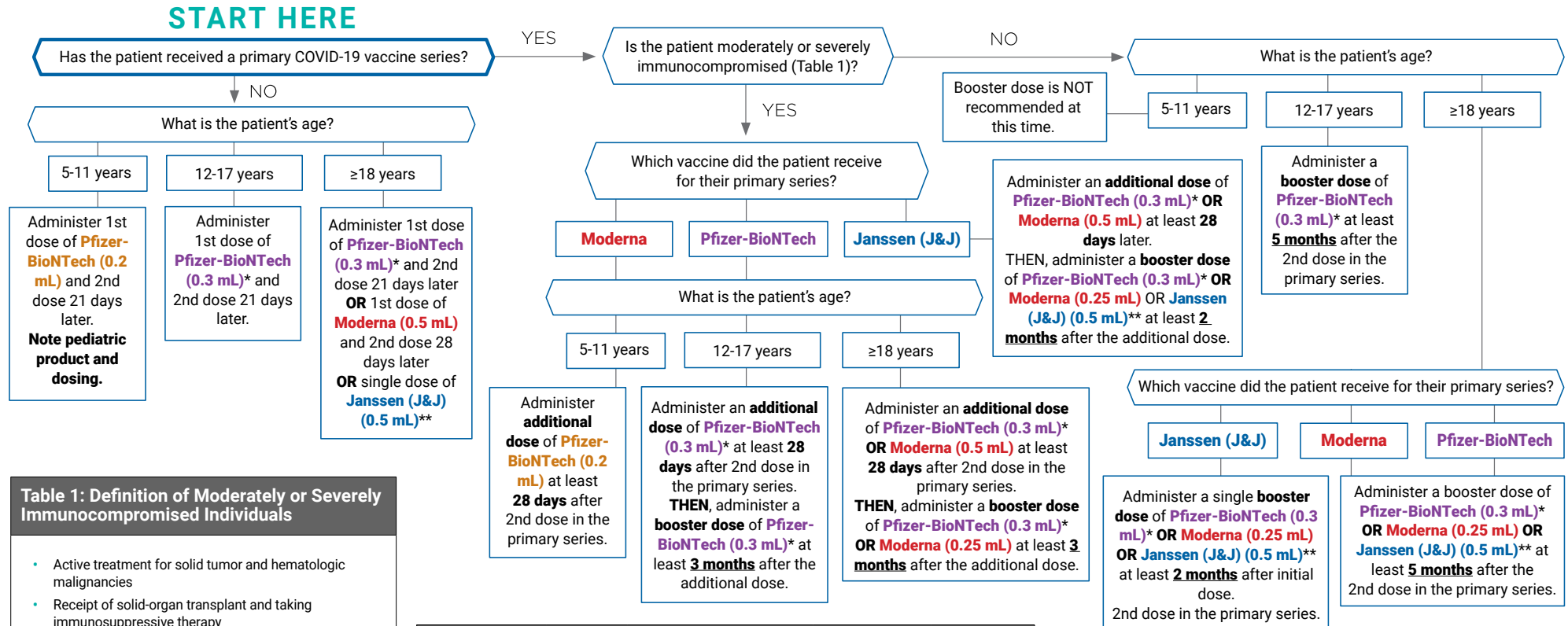


Table 1: Definition of Moderately or Severely Immunocompromised Individuals

- Active treatment for solid tumor and hematologic malignancies
- Receipt of solid-organ transplant and taking immunosuppressive therapy
- Receipt of chimeric antigen receptor (CAR)-T-cell or hematopoietic stem cell transplant (within 2 years of transplantation or taking immunosuppression therapy)
- Moderate or severe primary immunodeficiency (e.g., DiGeorge syndrome, Wiskott-Aldrich syndrome)
- Advanced or untreated HIV infection (people with HIV and CD4 cell counts <200/mm3, history of an AIDS-defining illness without immune reconstitution, or clinical manifestations of symptomatic HIV)
- Active treatment with high-dose corticosteroids (i.e., ≥20mg prednisone or equivalent per day when administered for ≥2 weeks), alkylating agents, antimetabolites, transplant-related immunosuppressive drugs, cancer chemotherapeutic agents classified as severely immunosuppressive, tumor-necrosis (TNF) blockers, and other biologic agents that are immunosuppressive or immunomodulatory.

Table 2: COVID-19 Vaccine Options

Vaccine Product	Vial Cap Color	Dose	Dilution Requirement	Age Requirement
Pfizer-BioNTech	Purple	0.3 mL (30 mcg)	Dilute w/1.8 mL 0.9% Sodium Chloride Inj.	≥12 years
Pfizer-BioNTech	Gray	0.3 mL (30 mcg)	Do NOT dilute	≥12 years
Pfizer-BioNTech	Orange	0.2 mL (10 mcg)	Dilute w/1.3 mL 0.9% Sodium Chloride Inj.	5-11 years
Moderna	Red	Primary / additional: 0.5 mL (100 mcg) Booster: 0.25mL (50 mcg)	Do NOT dilute	≥18 years
Janssen (J&J)	Blue	0.5 mL (5x1010 viral particles)	Do NOT dilute	≥18 years

*As of 12/23/21 the Pfizer-BioNTech COVID-19 vaccine with a purple cap requiring dilution will be retired. The Pfizer-BioNTech COVID-19 vaccine will now have a grey cap and does not require dilution. Patients who received a dose(s) of the purple cap product can receive the grey cap product for future doses.

**Pfizer-BioNTech and Moderna COVID-19 vaccines are preferentially recommended in most situations compared to Janssen (J&J) COVID-19 vaccine. The Janssen (J&J) COVID-19 vaccine may be considered in some situations.

Reference CDC's [Clinical Considerations for Use of COVID-19 Vaccines](#) for detailed information.

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