#### **Updated COVID-19 vaccine recommendations**

<u>Additional Dose (3rd Dose)</u>: A subsequent FULL vaccine dose to people who likely did not mount a protective immune response after primary vaccination in order to optimize vaccine induced protection

Pfizer <u>additional</u> dose: 0.3mlModerna additional dose: 0.5ml

<u>Booster Dose:</u> a subsequent dose of vaccine administered when the initial sufficient immune response to a primary vaccine series is likely to have waned over time. Dose dependent on individual manufacturer

Pfizer booster dose: 0.3mlModerna booster dose: 0.25ml

• J&J booster dose: 0.5ml

If received Janssen primary dose – Administer any COVID-19 vaccine booster dose ≥2 months after the initial Janssen dose, regardless of immune status

Pfizer booster dose: 0.3ml
Moderna booster dose: 0.25m
J&J booster dose: 0.5ml

For patients who are <u>not</u> immunocompromised, and have received a 2-dose primary series of Pfizer/Moderna or 1-dose J&J, they are eligible to receive a booster dose of any vaccine

Pfizer booster dose: 0.3ml
Moderna booster dose: 0.25ml

• J&J booster dose: 0.5ml

### Recommendations for Immunocompromised patients

#### Moderately and severely immunocompromised people are defined as:

- Active treatment for solid tumor and hematologic malignancies
- Receipt of solid-organ transplant and taking immunosuppressive therapy
- Receipt of 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, Wiskott-Aldrich syndromes)
- Advanced or untreated HIV infection
- Active treatment with high-dose corticosteroids (i.e., ≥20mg prednisone or equivalent per day), alkylating agents, antimetabolites, transplant-related immunosuppressive drugs, cancer chemotherapeutic agents classified as severely immunosuppressive, TNF blockers, and other biologic agents that are immunosuppressive or immunomodulatory

\*Immunocompromised inclusion criteria do not include older adults based on age alone

<sup>\*</sup>Booster doses can be mixed or matched regardless of initial series manufacturer

#### Instructions for immunocompromised populations:

#### If received primary series (2 doses)

Administer additional dose ≥28 days after second dose

Pfizer <u>additional</u> dose: 0.3mlModerna <u>additional</u> dose: 0.5ml

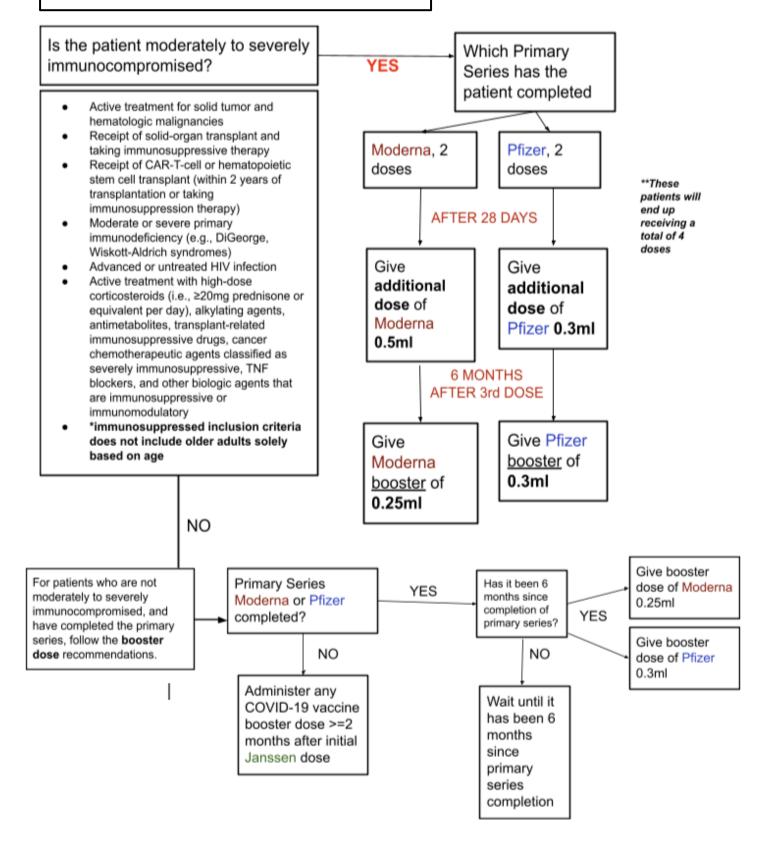
 Then, Administer any COVID-19 vaccine booster dose ≥6 months after the additional third dose

Pfizer booster dose: 0.3mlModerna booster dose: 0.25ml

# If received Janssen primary dose – Administer any COVID-19 vaccine booster dose ≥2 months after the initial Janssen dose

Pfizer booster dose: 0.3ml
Moderna booster dose: 0.25m
J&J booster dose: 0.5ml

Instructions for immunocompromised patients who received a 2-dose primary series:



## **Commonly Prescribed Immunosuppressive Drugs**

Drug Class	For treatment of	Brand (generic)	
High Dose Corticosteroids	Various disease states	>= 20mg of prednisone or equivalent per day	
		*see below chart for steroid equivalency chart	
TNF-alpha inhibitors	Rheumatoid Arthritis, Psoriatic Arthritis	Enbrel (etanercept) Humira (adalimumab) Remicade (infliximab) Simponi (golimumab) Cimiza (certolizumab)	
Alkylating Agents	Cancer treatment	Nitrogen Mustards: Bendamustine Chlorambucil Cyclophosphamide Ifosfamide Mechlorethamine  Other: Carmustine Lomustine Streptozocin Busulfan Dacarbazine Temozolomide Altretamine thiotepa	
Antimetabolites	Cancer Chemotherapy	Methotrexate 6-mercaptopurine 6-thioguanine Azathioprine Fludarabine  5-Fluorouracil Capecitabine Cytarabine	
Calcineurin Inhibitors	Postoperative Immunosuppression	Prograf* (tacrolimus) Neoral* (cyclosporine)	
Selective Immunosuppressants	Organ Transplant rejection prevention, cancer, autoimmune diseases	basiliximab Omalizumab Fingolimod Dimethyl fumarate	

	Abatacept Everolimus Mycophenolic acid Siponimod Thymoglobulin (antithymocyte globulin) Sirolimus Belatacept tacrolimus	
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## Corticosteroid Equivalency Chart

Compound	Equivalent Dose		
Cortisone	100 mg		
Hydrocortisone	80 mg		
Prednisone	20 mg		
Prednisolone	20 mg		
Triamcinolone	16 mg		
Methylprednisolone	16 mg		
Betamethasone	3.2 mg		
Dexamethasone	3.2 mg		
Fludrocortisone	-		

SOURCE: https://emergency.cdc.gov/coca/ppt/2021/102621\_slide.pdf Reddy, Sujan MD MSc. "What CLinicians need to know about the recent updates to CDC's recommendations for COVID-19 boosters" Slide Deck. CDC: Vaccine Task Force, COVID-19 Response. Centers for Disease Control and Prevention. Presented Oct 26, 2021. Accessed Oct 27 2021. https://emergency.cdc.gov/coca/ppt/2021/102621\_slide.pdf