

COVID-19 Vaccines: primary series

Pfizer- BioNTech

Authorized for those 12 years and older

FDA Approved for those 16 years and older

Consists of two doses given 21 days apart

Moderna

Authorized for those 18 years and older

Consists of two doses given 28 days apart

Johnson & Johnson

by Janssen

Authorized for those 18 years and older

Consists of one dose

*Current definition of fully vaccinated is based on having completed primary series

Booster dose recommendations: Pfizer and Moderna

Booster dose of Pfizer or Moderna vaccine is recommended if you:

- Received a Pfizer or Moderna primary series **at least six months ago** and are in the following groups:
- Those who **should** receive a booster dose of Pfizer or Moderna:
 - Age 65 years and older or
 - Age 18 years and older residing in a [long-term care settings](#) or
 - Age 50-64 years with [underlying medical conditions](#) or at increased risk due to [social inequity](#).
- Those who **may** receive a booster dose:
 - Age 18-49 years with underlying medical conditions or at increased risk due to social inequity, or
 - At increased risk for SARS-CoV-2 exposure and transmission because of occupational or institutional [high-risk settings](#)
 - includes first responders (e.g., healthcare workers, firefighters, police, congregate care staff)

[CDC Interim Clinical Considerations for COVID-19 Vaccines](#)
[CDPH Guidance for Booster Eligibility](#)

Considerations for people in the “May” Category

Benefits of a COVID-19 booster dose:

- May reduce risk of SARS-CoV-2 infection
- May reduce risk of severe COVID-19 disease and post-COVID symptoms
- May reduce transmission of SARS-CoV-2 to others

Things to consider when deciding whether to get a booster:

- Risk of exposure to SARS-CoV-2
- Risk for severe infection related to underlying conditions
- Potential impact of SARS-CoV-2 infection

Booster dose recommendations: Janssen (Johnson & Johnson)

Booster dose of Janssen (Johnson & Johnson) vaccine is recommended if you:

- Received a Janssen (Johnson & Johnson) primary dose **at least two months ago** and
- Age 18 years and older

COVID-19 Vaccines: booster doses

Pfizer- BioNTech

FDA-Authorized and
CDC-recommended for
those ≥ 18 years
in select
high-risk groups

6 months after primary
series

Moderna

FDA-Authorized and
CDC-recommended for
those ≥ 18 years
in select
high-risk groups

6 months after primary
series

***booster is half-dose**

Johnson & Johnson

FDA-Authorized and
CDC-recommended for
those ≥ 18 years

2 months after primary
series

Choosing Booster Vaccine

- Eligible individuals may choose which vaccine they receive as a booster dose
 - Consider risks and benefits of each product
 - Discuss with healthcare provider
- Homologous boosting: using same product as primary series
 - Increases the immune response against SARS-CoV-2
 - Acceptable safety profile for all COVID-19 vaccine boosters (Pfizer, Moderna [**half dose**] or Janssen)

Heterologous (Mix and Match)

Heterologous (Mix-and-Match) Boosting

Using a different vaccine for a booster dose than what was used for a patient's primary series.

- All COVID-19 vaccine boosters led to a strong serologic response in groups primed by all three vaccines.
- Use of any COVID-19 vaccine will boost immunity!
- Timing of booster is based on primary series.

Use this chart to help determine when to give COVID-19 vaccine based on age or health conditions.

Dose		Age:	12-17	18-49	50-64	65+
Pfizer	Primary 2 doses		✓	✓	✓	✓
	Additional (3rd) dose for immunocompromised at least 28 days after 2nd Pfizer dose		✓	✓	✓	✓
	Booster dose of Pfizer or different brand, at least 6 months after 2nd dose of Pfizer					✓
	• Long-term care facility resident			✓	✓	
	• Underlying medical condition or increased risk of social inequities			may receive	✓	
	• Increased risk of exposure from work or institutional setting			may receive	may receive	
Moderna	Primary 2 doses			✓	✓	✓
	Additional (3rd) dose for immunocompromised at least 28 days after 2nd Moderna dose			✓	✓	✓
	Booster dose of Moderna (half-dose) or different brand, at least 6 months after 2nd dose of Moderna					✓
	• Long-term care facility resident			✓	✓	
	• Underlying medical condition or increased risk of social inequities			may receive	✓	
	• Increased risk of exposure from work or institutional setting			may receive	may receive	
Johnson & Johnson	Primary 1 dose			✓	✓	✓
	Booster dose of J&J or different brand, at least 2 months after primary J&J dose			✓	✓	✓






[View Related Guidance and Requirements for more information.](#)

CDPH COVID-19 Vaccine Eligibility Chart

COVID-19 Vaccine Product Guide

Check vaccine products before use to ensure administration to appropriate ages.

Refer to CDC product info for more details.

	5-11 years old		12+ years old		18+ years old	
	Pfizer		Pfizer	Pfizer (Comirnaty)	Janssen (J&J)	Moderna
	Pending Approval  subject to change		Currently Available 	Pending Approval  subject to change		
Packaging						
Cap color	Orange cap	Purple	Gray cap	Blue cap	Red cap	
Doses per vial	10 doses	6 doses	6 doses	5 doses	14 (or 10) doses	
Package size	100 doses	1170 (or 450) doses	TBD	50 doses	140 (or 100) doses	
NDC # in VTrckS	95267-1055-04	59267-1000-02	TBD	59676-0580-15	80777-0273-98	
Administration						
Diluent	1.3 mL per vial	1.8 mL per vial	Do not mix	Do not mix	Do not mix	
Injection Volume–Primary	0.2 mL	0.3 mL	0.3 mL	0.5 mL	0.5 mL	
Injection Volume–Booster	N/A	same	TBD	same	0.25 mL*	
Storage Limits** (Store products on different shelves, labeled by age, to avoid mix-ups.)						
ULT (-90 to -60°C)	Up to 6 months†	Up to 9 months	Up to 6 months†	N/A	N/A	
Thermal Shipper	N/A	Up to 30 days	N/A	N/A	N/A	
Freezer	N/A	Up to 14 days (-25 to -15°C)	N/A	N/A	Until expiration (-50 to -15°C)	
Refrigerator (2° to 8°C)	Up to 10 weeks†	Up to 31 days	Up to 10 weeks†	Until expiration	Up to 30 days	

* When drawing up half-doses for Moderna boosters, note that Moderna vials cannot be punctured more than 20 times.

** Do not dispose of expired vaccine until checking with manufacturers for extended expiration dates.

† Regardless of storage condition, do not use vaccine after 6 months from manufacture date printed on vial/cartons.

CDPH Toolkit for LTCF Vaccination Resources

Long-Term Care Facility (LTCF)

COVID-19 Vaccine Toolkit

The **LTCF COVID-19 Vaccine Toolkit** has been developed as a resource to ensure that Long-Term Care (LTC) residents and staff have continued access to primary series or booster doses of COVID-19 vaccine. The following are vaccine access options and resources.

https://eziz.org/assets/docs/COVID19/LTCF_Toolkit_10.01.21.pdf

COVID-19 vaccine resources

- [CDC Interim Clinical Considerations for COVID-19 Vaccines](#)
- [CDPH Guidance for Booster Eligibility](#)
- [CDPH COVID-19 Vaccine Eligibility Chart \(eziz.org\)](#)
- [CDPH COVID-19 Vaccine Product Guide](#)
- [CDPH Long-Term Care Facility \(LTCF\) COVID-19 Vaccine Toolkit](#)