MISSISSIPPI STATE DEPARTMENT OF HEALTH

This is an official
MS Health Alert Network (HAN) Alert

MESSAGE ID:	**MSHAN-20220330-00564-ALT (Health Alert)**
RECIPIENTS:	**All Physicians, Hospitals, ERs, ICPs, NPs, PAs, and Healthcare Providers – Statewide**
	Wednesday, March 30, 2022
SUBJECT:	**Update: COVID-19 Vaccine Second Booster Dose Recommendations**

Updated Recommendations for Second COVID-19 Vaccine Booster

- On March 29, 2022, the FDA authorized a second booster dose of COVID-19 mRNA vaccines for certain immunocompromised individuals and people 50 years of age and older. The CDC updated its COVID-19 recommendations to allow for the expanded eligibility of a second booster on the same day. Data suggests that there is waning protection over time in older and immunocompromised persons, potentially leading to serious outcomes from COVID-19 in these individuals.

- The updated recommendations are as follows:
  - A second booster dose of the Pfizer-BioNTech COVID-19 Vaccine or Moderna COVID-19 Vaccine may be administered to individuals **50 years of age and older at least 4 months** after receipt of a first booster dose of any authorized or approved COVID-19 vaccine.
  - A second booster dose of the Pfizer-BioNTech COVID-19 Vaccine may be administered to individuals **12 years of age and older with certain kinds of immunocompromise** at least **4** months after receipt of a first booster dose of any authorized or approved COVID-19 vaccine. These are people who have undergone solid organ transplantation, or who are living with conditions that are considered to have an equivalent level of immunocompromise.
  - A second booster dose of the Moderna COVID-19 Vaccine may be administered at least 4 months after the first booster dose of any authorized or approved COVID-19 vaccine to individuals **18 years of age and older with the same certain kinds of immunocompromise**.

- *People with immunocompromising conditions or people who take immunosuppressive medications or therapies are* at increased risk for severe COVID-19. *See* Clinical Guidance for COVID-19 Vaccination | CDC *for a description of moderate and severe immunocompromising conditions and treatment.* ***The Mississippi State Department of Health (MSDH) asks providers to use their discretion and clinical judgement when determining eligibility of a second booster based on immunocompromising conditions***.

- As a reminder, a first booster dose of mRNA vaccine is recommended for all individuals 12 years and older at least 5 months after completion of a primary series of COVID-19 vaccine.

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Mississippi Data

- Much work is left in Mississippi to increase the number of individuals fully vaccinated with a primary series and to increase the number of individuals with at least one booster dose of COVID-19 vaccine. To date, only 51% of the total population in Mississippi is fully vaccinated with a primary series, and only 37% of those eligible have received a first booster dose.
- Of the approximately 790,000 persons 50 years and older who are eligible for a first booster dose in the state (based on completion of a primary series), only 51% have received a booster dose of COVID-19 vaccine. The percentage of first booster dose completion increases with age: 62% of eligible individuals 65 years and older up to date with one booster dose, and 66% of eligible individuals 75 and older up to date with one booster.
- In Mississippi, 97% of the COVID-19 associated deaths between March 1 and March 28, 2022, are in individuals 50 years of age and older; and most of those are in persons 50 years or older who were never vaccinated or were eligible for a booster but never received it. **Of the deaths in persons 50 years and older during this timeframe, 57% percent are in unvaccinated individuals, and an additional 27% are in persons fully vaccinated with a primary series who were eligible, but never received a booster.**
- Mississippi physicians and providers are encouraged to continue efforts to provide COVID-19 vaccine and boosters doses for all eligible individuals. Recent data published from the CDC estimates vaccine effectiveness was 83% against COVID-19 associated emergency department/urgent care visits and 90% against COVID-19 associated hospitalizations after 3 doses of mRNA vaccine (primary series and booster dose).

Resources:

- [Interim Clinical Considerations for Use of COVID-19 Vaccines | CDC](#)
- [Coronavirus (COVID-19) Update: FDA Authorizes Second Booster Dose of Two COVID-19 Vaccines for Older and Immunocompromised Individuals | FDA](#)
- [CDC Recommends Additional Boosters for Certain Individuals | CDC Online Newsroom | CDC](#)
- MSDH COVID-19 Vaccination Report [12130.pdf (ms.gov)](#)
- [Effectiveness of Homologous and Heterologous COVID-19 Booster Doses Following 1 Ad.26.COV2.S (Janssen [Johnson & Johnson]) Vaccine Dose Against COVID-19–Associated Emergency Department and Urgent Care Encounters and Hospitalizations Among Adults — VISION Network, 10 States, December 2021–March 2022 | MMWR (cdc.gov)](#)

Regards,

Paul Byers, MD
State Epidemiologist

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Alerting Message Specification Settings

Originating Agency:	Mississippi State Department of Health
Alerting Program:	MS Health Alert Network (MS HAN)
Message Identifier:	MSHAN-20220330-00564-ALT
Program (HAN) Type:	Health Alert
Status (Type):	Actual ()
Message Type:	Alert
Reference:	MSHAN-00564
Severity:	Unknown
Acknowledgement:	No
Sensitive:	Not Sensitive
Message Expiration:	Undetermined
Urgency:	Undetermined
Delivery Time:	600 minutes

Definition of Alerting Vocabulary and Message Specification Settings

Originating Agency:	A unique identifier for the agency originating the alert.
Alerting Program:	The program sending the alert or engaging in alerts and communications using PHIN Communication and Alerting (PCA) as a vehicle for their delivery.
Message Identifier:	A unique alert identifier that is generated upon alert activation (MSHAN-yyymmdd-hhmm-TTT (**ALT=Health Alert**, **ADV=Health Advisory**, **UPD=Health Update**, **MSG/INFO=Message/Info Service**).
Program (HAN) Type:	Categories of Health Alert Messages.
Health Alert:	Conveys the highest level of importance; warrants immediate action or attention.
Health Advisory:	Provides important information for a specific incident or situation; may not require immediate action.
Health Update:	Provides updated information regarding an incident or situation; unlikely to require immediate action.
Health Info Service:	Provides Message / Notification of general public health information; unlikely to require immediate action.

Status (Type):

Actual:	Communication or alert refers to a live event
Exercise:	Designated recipients must respond to the communication or alert
Test:	Communication or alert is related to a technical, system test and should be disregarded

Message Type:

Alert:	Indicates an original Alert

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Update:	Indicates prior alert has been Updated and/or superseded
Cancel:	Indicates prior alert has been cancelled
Error:	Indicates prior alert has been retracted

Reference: For a communication or alert with a Message Type of "Update" or "Cancel", this attribute contains the unique Message Identifier of the original communication or alert being updated or cancelled. "n/a" = Not Applicable.

Severity:

Extreme:	Extraordinary threat to life or property
Severe:	Significant threat to life or property
Moderate:	Possible threat to life or property
Minor:	Minimal threat to life or property
Unknown:	Unknown threat to life or property

Acknowledgement: Indicates whether an acknowledgement on the part of the recipient is required to confirm that the alert was received, and the timeframe in which a response is required (Yes or No).

Sensitive:

Sensitive:	Indicates the alert contains sensitive content
Not Sensitive:	Indicates non-sensitive content

Message Expiration: Undetermined.

Urgency: Undetermined. Responsive action should be taken immediately.

Delivery Time: Indicates the timeframe for delivery of the alert (15, 60, 1440, 4320 minutes (.25, 1, 24, 72 hours)).

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