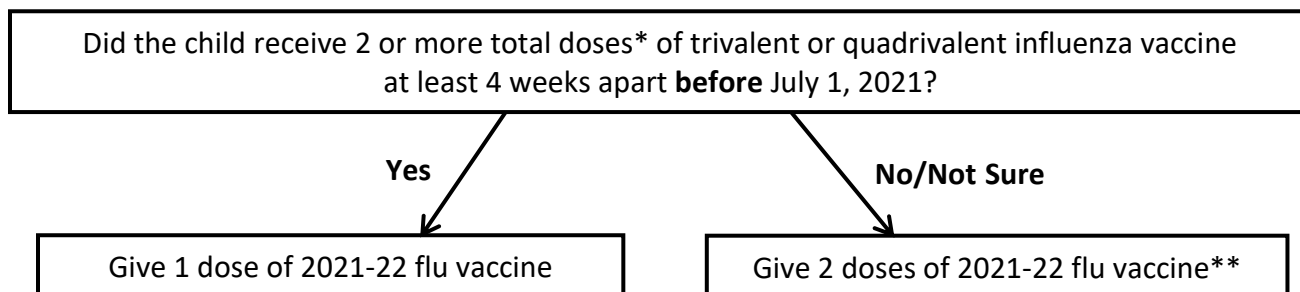


Who Needs 2 Doses of 2021-22 Seasonal Influenza Vaccine?

2021-22 Pediatric 2-Dose Algorithm for Children Aged 6 Months through 8 Years



*Doses do not need to have been administered in the same season or consecutive seasons

**Minimum interval between the 2 doses is 4 weeks

Points to consider for the 2021-22 Influenza Season

- All persons aged 6 months and older without contraindications need at least 1 dose of 2021-22 flu vaccine
- Determination of the number of doses needed is based on the child's age at the time of the 1st dose of 2021-22 flu vaccine and the number of doses of flu vaccine received in previous flu seasons
- Children aged 6 months through 8 years need 2 doses of flu vaccine during their 1st season of vaccination
- Children aged 6 months through 8 years who received 2 or more total doses of any trivalent or quadrivalent flu vaccine (e.g., IIV3, IIV4, LAIV3, LAIV4, cclIV3, cclIV4) a minimum of 4 weeks apart before July 1, 2021, only need 1 dose of 2021-22 flu vaccine
- If a child has not received at least 2 trivalent or quadrivalent flu vaccines before July 1, 2021, or their flu vaccination history is unknown, give 2 doses of 2021-22 flu vaccine separated by 4 weeks
 - Give the 1st dose as soon as possible after vaccine becomes available to allow the 2nd dose to be received by the end of October
 - The same vaccine product does not need to be used for both doses; use any age-appropriate flu vaccine that is available that day (and ensure you use the correct dose volume, see box below)
 - Two doses are recommended **even if the child turns age 9 years between receipt of dose 1 and dose 2**
- When assessing a child's flu vaccine history to determine if 1 or 2 doses are needed, only review flu vaccine doses given prior to July 1, 2021 (i.e., do not include doses received during the 2021-22 flu season)
- Acronyms: Inactivated Influenza Vaccine, trivalent (IIV3) and quadrivalent (IIV4); cell culture-based IIV, trivalent (cclIV3) and quadrivalent (cclIV4); Live Attenuated Influenza Vaccine, trivalent (LAIV3) and quadrivalent (LAIV4); **NOTE:** not all these presentations¹ are available in 2021-22

Remember dose volume for **standard-dose IIV** is based on **age** and **flu vaccine product**²:

- Dose volume for children aged 3 years and older is 0.5 mL regardless of flu vaccine product
- Dose volume of IIV4 vaccines for children aged 6-35 months: 0.25 mL per dose of Afluria[®] Quadrivalent; 0.5 mL per dose for Fluarix[®] Quadrivalent and FluLaval[®] Quadrivalent; **either 0.25 mL per dose or 0.5 mL per dose** of Fluzone[®] Quadrivalent. No preference is expressed for either Fluzone dose volume for this age group.
- Dose volume of cclIV4 vaccine for children aged 2 years and older: 0.5 mL per dose of Flucelvax[®] Quadrivalent.

¹For more information on available flu vaccine presentations, refer to "Seasonal Influenza Vaccines 2021-2022" at www.michigan.gov/flu.

²For more information on pediatric flu vaccine dose volume, refer to "2021-22 Seasonal Influenza Vaccine Dose Volumes for Children" at www.michigan.gov/flu.

Refer to "Prevention and Control of Seasonal Influenza with Vaccines: Recommendations of the ACIP – U.S., 202122 Influenza Season," MMWR Recomm Rep 2021; 70(No. RR-5):1-28, located at www.cdc.gov/vaccines. For more information regarding flu vaccination, refer to www.michigan.gov/flu, www.cdc.gov/vaccines, or www.cdc.gov/mmwr.