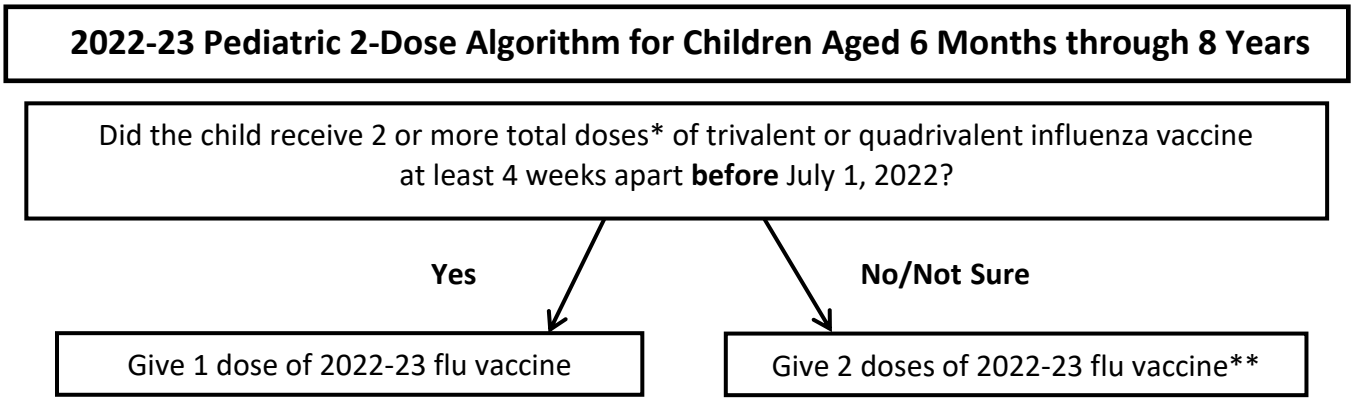
Who Needs 2 Doses of 2022-23 Seasonal Influenza Vaccine?



*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 2022-23 Influenza Season

- All persons aged 6 months and older without contraindications need at least 1 dose of 2022-23 flu vaccine
- Determination of the number of doses needed is based on the child's age at the time of the **1st** dose of 2022-23 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, ccIIV3, ccIIV4) a minimum of 4 weeks apart before July 1, 2022, only need 1 dose of 2022-23 flu vaccine
- If a child has not received at least 2 trivalent or quadrivalent flu vaccines before July 1, 2022, or their flu vaccination history is unknown, give 2 doses of 2022-23 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, 2022 (i.e., do not include doses received during the 2022-23 flu season)
- Acronyms: Inactivated Influenza Vaccine, trivalent (IIV3) and quadrivalent (IIV4); cell culture based IIV, trivalent (ccIIV3) and quadrivalent (ccIIV4); Live Attenuated Influenza Vaccine, trivalent (LAIV3) and quadrivalent (LAIV4); **NOTE:** not all these presentations[1] are available in 2022-23

Remember dose volume for **standard-dose injectable 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 ccIIV4 vaccine for children aged 6 months and older: 0.5 mL per dose of Flucelvax® Quadrivalent.

[1]For more information on available flu vaccine presentations, refer to "Seasonal Influenza Vaccines 2022-2023" at www.michigan.gov/flu/resources/resources-for-health-professionals.

[2]For more information on pediatric flu vaccine dose volume, refer to "2022-23 Seasonal Influenza Vaccine Dose Volumes for Children" at www.michigan.gov/flu/resources/resources-for-health-professionals.

Refer to "Prevention and Control of Seasonal Influenza with Vaccines: Recommendations of the ACIP – U.S., 2022-23 Influenza Season," MMWR Recomm Rep 2022; 71(1):1-28, located at https://www.cdc.gov/vaccines/hcp/acip-recs/vacc-specific/flu.html. For more information regarding flu vaccination, refer to www.michigan.gov/flu, www.cdc.gov/vaccines, or www.cdc.gov/mmwr.