

# 2019-2020 FLU UPDATE

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Kentucky Influenza Surveillance Coordinator

**October 17, 2019**



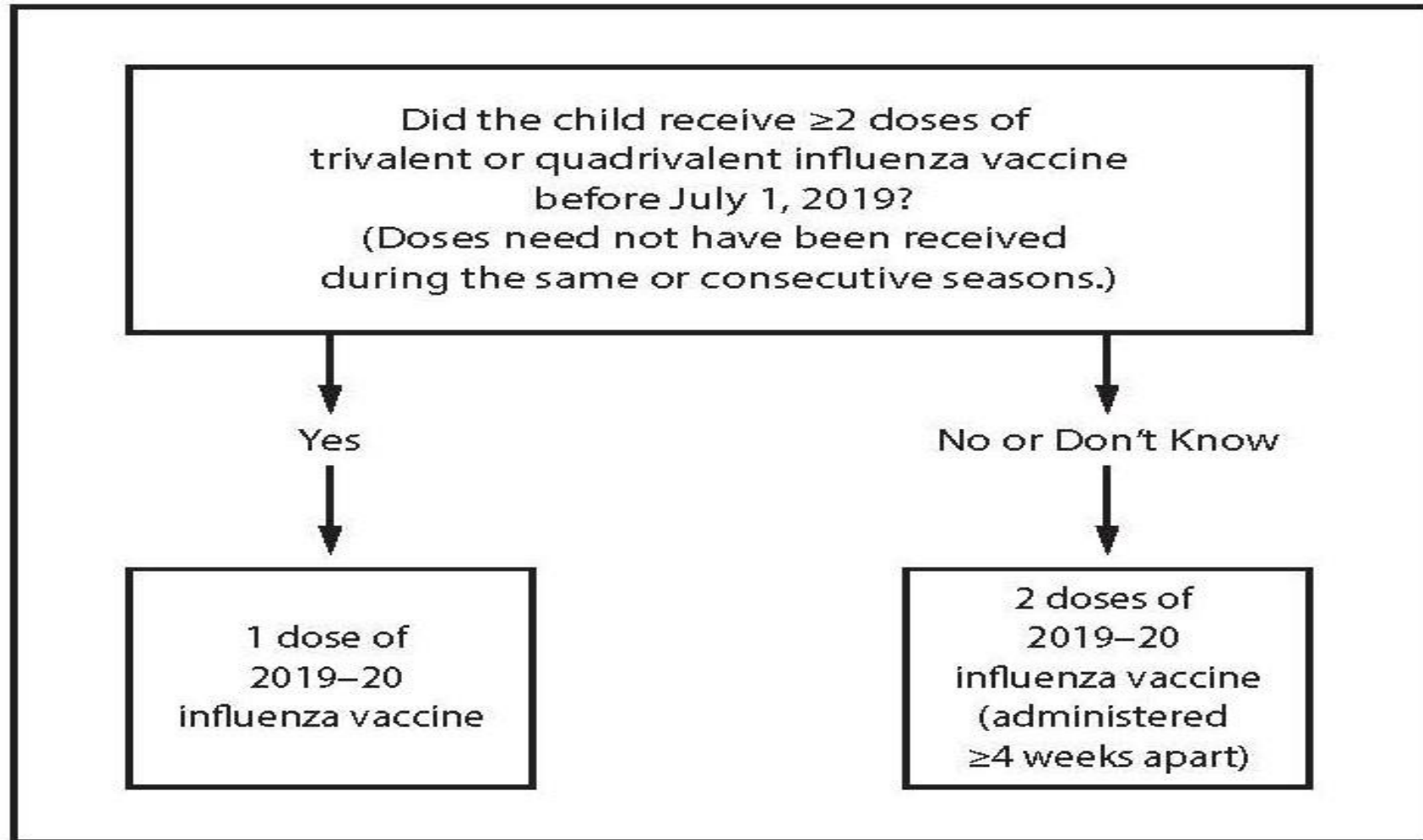
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# 2019-2020 FLU VACCINE COMPOSITION

- This year's vaccine changed the Influenza A H1N1 strain and the Influenza A H3N2 strain.
- Last season was the longest on record.
- WHO waited an extra month to determine the A H3N2 strain to include in this year's vaccine to try to get a better match.
- This resulted in manufacturing delays of one month in getting supply to clinicians.

**FIGURE. Influenza vaccine dosing algorithm for children aged 6 months through 8 years\* — Advisory Committee on Immunization Practices, United States, 2019–20 influenza season**



\* For children aged 8 years who require 2 doses of vaccine, both doses should be administered even if the child turns age 9 years between receipt of dose 1 and dose 2.

# FLU DOSING FOR AGES $\geq 6$ MONTHS THROUGH 8 YEARS

- The dosing schedule for 6 months through 35 months depends on the type of flu vaccine you are administering.
- If you're using FluLaval Quadrivalent, the dosage is 0.5 mL regardless of age.
- For children  $\geq 36$  months of age, the dosage is 0.5 mL for all inactivated influenza vaccine presentations.
- TIP: Using the multi-dose vial prevents having to waste vaccine if you would normally use the 0.5 mL prefilled syringe. If you're using the 0.25 mL prefilled syringe or the MDV, there is no waste.

# Dose volumes for inactivated influenza vaccines licensed for children aged 6 through 35 months\*— United States, 2019–20 influenza season

Trade name (Manufacturer)	Dose volume for children aged 6 through 35 mos ( $\mu\text{g}$ HA per vaccine virus)
Afluria Quadrivalent (Seqirus)	0.25 mL (7.5 $\mu\text{g}$ )
Fluarix Quadrivalent (GlaxoSmithKline)	0.5 mL (15 $\mu\text{g}$ )
FluLaval Quadrivalent (GlaxoSmithKline)	0.5 mL (15 $\mu\text{g}$ )
Fluzone Quadrivalent† (Sanofi Pasteur)	0.25 mL (7.5 $\mu\text{g}$ ) <b>or</b> 0.5 mL (15 $\mu\text{g}$ )
† Fluzone Quadrivalent may be administered as either 0.25 mL or 0.5 mL per dose (with no preference expressed for one volume over the other) for children aged 6 through 35 months.	

# GROUPS THAT NEED SPECIAL ATTENTION

- Pregnant Women
- Children
- Elderly
- Chronic Conditions
- Long-Term Care Facility Employees



# Kentucky Department for Public Health Weekly Influenza Surveillance Report

MMWR Week 40  
September 29–  
October 5, 2019

## Current Influenza Activity Level: **Sporadic**

Activity Level Range: No Activity → Sporadic → Local → Regional → Widespread →

**\*Sporadic:** Small numbers of laboratory-confirmed influenza cases or a single laboratory-confirmed influenza outbreak has been reported, but there is no increase in cases of ILI.

**\*Confirmed:** Laboratory confirmed influenza cases are determined using the following test methods: RT-PCR, nucleic acid detection or viral culture. Laboratory-confirmed cases are reportable in Kentucky. (Please note that positive results using rapid influenza antigen tests are not included in this report.)

### Influenza-like Illness (ILI) Case Definition:

- Fever ( $\geq 100^{\circ}\text{F}$  [ $37.8^{\circ}\text{C}$ ], oral or equivalent, PLUS Cough -OR- Fever ( $\geq 100^{\circ}\text{F}$  [ $37.8^{\circ}\text{C}$ ], oral or equivalent, PLUS Sore Throat -OR- Fever ( $\geq 100^{\circ}\text{F}$  [ $37.8^{\circ}\text{C}$ ], oral or equivalent, PLUS Cough and Sore Throat (in the absence of a known cause other than influenza)

XX

Number of New Cases  
Reported this Week

XXXXX

Number of Confirmed  
Cases for 2019-2020  
Influenza Season

### Total Deaths Reported for 2019-2020 Influenza Season

Under 18 Years	18 Years & Older
X	X

### Number of Regions with Increased ILI Activity for 2019-2020 Influenza Season

MMWR Week 40	Season Total
X of 17 Regions	X of 17 Regions

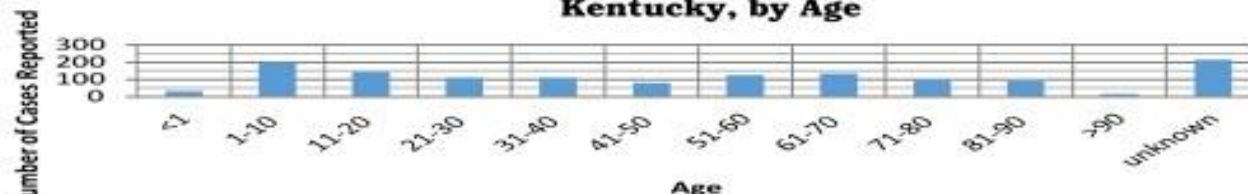
### Number of Regions with Confirmed Flu Cases for 2019-2020 Influenza Season

MMWR Week 40	Season Total
X of 17 Regions	X of 17 Regions

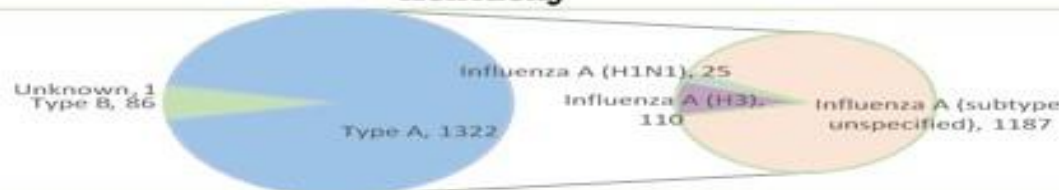
### Number of Long-Term Care Facility Outbreaks for 2019-2020 Influenza Season

MMWR Week 40	Season Total
X of 17 Regions	X Outbreaks

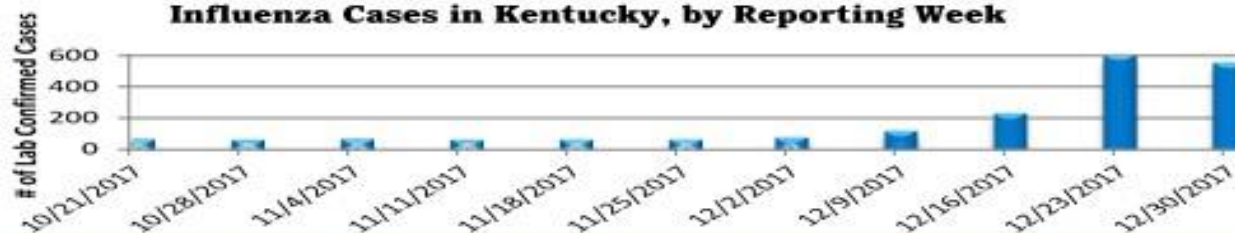
## 2019-2020 Total Laboratory \*Confirmed Influenza Cases in Kentucky, by Age



## Total 2019-2020 Influenza Virus Types Reported in Kentucky



## 2019-2020 Total Laboratory \*Confirmed Influenza Cases in Kentucky, by Reporting Week





2019 - 2020 Kentucky Influenza Season  
Total Influenza Cases: Lab Confirmed  
MMWR Weeks 38 - 40



Cabinet for Health and Family Services  
Kentucky Immunization Branch  
October 11, 2019



# MMWR Week 40: Total \*Confirmed Influenza Cases by County

County	MMWR Week 40	2019-2020 Season Total	County	MMWR Week 40	2019-2020 Season Total	County	MMWR Week 40	2019-2020 Season Total
Adair	0	0	Grant	0	0	McLean	0	0
Allen	2	2	Graves	0	0	Meade	0	0
Anderson	0	2	Grayson	0	0	Menifee	0	0
Ballard	0	0	Green	0	0	Mercer	0	1
Barren	0	0	Greenup	0	1	Metcalfe	0	0
Bath	0	0	Hancock	0	0	Monroe	0	0
Bell	0	0	Hardin	0	0	Montgomery	0	0
Boone	0	0	Harlan	0	0	Morgan	0	0
Bourbon	0	0	Harrison	0	0	Muhlenberg	0	0
Boyd	0	2	Hart	0	0	Nelson	0	0
Boyle	0	1	Henderson	0	0	Nicholas	0	0
Bracken	0	0	Henry	0	0	Ohio	0	0
Breathitt	0	0	Hickman	0	0	Oldham	4	4
Breckinridge	2	2	Hopkins	0	0	Owen	0	0
Bullitt	0	3	Jackson	0	0	Owsley	0	7
Butler	1	1	Jefferson	5	9	Pendleton	0	0
Caldwell	0	0	Jessamine	0	1	Perry	1	54
Calloway	0	0	Johnson	0	0	Pike	2	13
Campbell	0	0	Kenton	0	1	Powell	0	0
Carlisle	0	0	Knott	3	32	Pulaski	0	0
Carroll	0	0	Knox	0	0	Robertson	0	0
Carter	0	0	Lane	0	0	Rockcastle	0	0
Casey	0	0	Laurel	0	0	Rowan	0	0
Christian	0	0	Lawrence	0	0	Russell	0	0
Clark	0	0	Lee	0	0	Scott	0	1
Clay	0	0	Leslie	7	36	Shelby	0	0
Clinton	0	0	Letcher	2	29	Simpson	0	1
Crittenden	0	0	Lewis	0	0	Spencer	0	1
Cumberland	0	0	Lincoln	0	0	Taylor	0	0
Daviess	0	1	Livingston	0	0	Todd	0	0
Edmonson	1	2	Logan	0	2	Trigg	0	0
Elliott	0	0	Lyon	0	0	Trimble	0	0
Estill	0	0	Madison	0	0	Union	0	0
Fayette	0	2	Magoffin	0	0	Warren	2	2
Fleming	0	0	Marion	0	0	Washington	0	0
Floyd	1	1	Marshall	0	1	Wayne	0	0
Franklin	0	0	Martin	0	0	Webster	0	0
Fulton	0	0	Mason	0	0	Whitley	0	0
Gallatin	0	0	McCracken	0	0	Wolfe	0	0
Garrard	0	0	McCreary	0	0	Woodford	0	0

Kentucky National Electronic Disease Surveillance System (NEDSS) and U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) Data. Department for Public Health, Cabinet for Health and Family Services, Frankfort, Kentucky, [September 29 – October 5, 2019].

# CONTACT INFORMATION

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