



HEALTH & HUMAN SERVICES

Epi Flash Report

Fort Bend County

Public Health Emergency Preparedness Program

Volume 3, Issue 9
September Edition

October 19, 2017

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2017-2018 Flu Season: Vaccine Types and Contraindications

Influenza viruses begin to circulate annually from the late fall through early spring. While most persons with influenza recover, influenza can cause serious illness and death, particularly among older adults, young children, pregnant women, and those with certain chronic conditions. For the 2017-18 season, inactivated influenza vaccines (IIVs) are available in trivalent (IIV3) and quadrivalent (IIV4) formulations. Recombinant influenza vaccine (RIV) are available in trivalent (RIV3) and quadrivalent (RIV4) formulations. Live attenuated influenza vaccine (LAIV4) is not recommended for use during the 2017–18 season due to concerns about its effectiveness against (H1N1) pdm09 viruses during the 2013–14 and 2015–16 seasons.

Routine annual influenza vaccination is recommended for all persons aged 6 months or older who do not have contraindications (Table I). A licensed, recommended, and age-appropriate vaccine should be used.

TABLE I. Contraindications and precautions to the use of influenza vaccines

Vaccine type	Contraindications	Precautions
IIV	History of severe allergic reaction to any component of the vaccine or after previous dose of any influenza vaccine	Moderate-to-severe acute illness with or without fever History of Guillain-Barré syndrome within 6 weeks of receipt of influenza vaccine
RIV	History of severe allergic reaction to any component of the vaccine	Moderate-to-severe acute illness with or without fever History of Guillain-Barré syndrome within 6 weeks of receipt of influenza vaccine
LAIV For the 2017–18 season, ACIP recommends that LAIV not be used. Content is provided for information.	History of severe allergic reaction to any component of the vaccine or after a previous dose of any influenza vaccine Concomitant aspirin or salicylate-containing therapy in children and adolescents Children aged 2 through 4 years who have received a diagnosis of asthma or whose parents or caregivers report that a health care provider has told them during the preceding 12 months that their child had wheezing or asthma or whose medical record indicates a wheezing episode has occurred during the preceding 12 months Children and adults who are immunocompromised due to any cause (including immunosuppression caused by medications or by HIV infection) Close contacts and caregivers of severely immunosuppressed persons who require a protected environment Pregnancy Receipt of influenza antiviral medication within the previous 48 hours	Moderate-to-severe acute illness with or without fever History of Guillain-Barré syndrome within 6 weeks of receipt of influenza vaccine Asthma in persons aged ≥5 years Other underlying medical conditions that might predispose to complications after wild-type influenza infection (e.g., chronic pulmonary, cardiovascular [except isolated hypertension], renal, hepatic, neurologic, hematologic, or metabolic disorders [including diabetes mellitus])

Environmental & Infectious Diseases in Fort Bend County

Diseases Notified to Texas DSHS	# of Investigations Completed in September 2017	# of Cases Notified to TX DSHS in September 2017	# of Investigations Completed from 01/01/2017 to 09/30/2017	# of Cases Notified to TX DSHS from 01/01/2017 to 09/30/2017
Campylobacteriosis	1	1	31	31
Carbapenem-resistant Enterobacteriaceae (CRE)	4	4	35	35
Hepatitis C, acute	1	-	1	-
Influenza, human isolates	3	-	436	-
Methicillin-resistant Staphylococcus aureus (MRSA)	5	-	44	-
Salmonellosis	2	2	83	83
Streptococcus, invasive Group A	2	1	11	4
Streptococcus, invasive Group B	7	2	56	24



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