



HEALTH & HUMAN SERVICES

Epi Flash Report

Fort Bend County

Public Health Emergency Preparedness Program

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Fort Bend County
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Measles Surveillance in Fort Bend County

Measles is a highly contagious airborne disease that can easily spread through breathing, coughing, sneezing or by coming in close contact with an infected person.

CDC reports that in 2018, to date, 124 cases of measles have been confirmed in 22 states and the District of Columbia. In 2017, CDC reported 118 cases of measles and in 2016 there were 86 cases reported.

In Fort Bend County, there have been no reports of measles cases since 2000. However, the recent incident of a passenger sick with measles, who connected flights at a local area airport has underscored the importance of enhanced measles surveillance.

Fort Bend County Health & Human Services recommends that healthcare providers be on alert and consider the possibility of measles in patients presenting with febrile rash illness and symptoms clinically compatible with measles, especially if the person had a recent exposure locally or internationally to a person with a febrile rash illness.

Laboratory confirmation is essential for all sporadic measles cases and out-breaks. Detection of measles-specific IgM antibody and measles RNA by real-time polymerase chain reaction (RT-PCR) are the most common methods used for confirming measles infection. At first contact with patients suspected to have measles, healthcare providers should obtain both a serum sample and a throat swab (or nasopharyngeal swab). Urine samples may also contain virus, and when feasible to do so, collecting both respiratory and urine samples for analysis can increase the likelihood of detecting measles virus. Furthermore, molecular analysis can be conducted to determine the genotype of the measles virus. Genotyping is used primarily to map the transmission pathway of measles viruses and also to distinguish between a rash due to wild-type measles virus infection and a rash caused by a recent measles vaccination.

Healthcare providers should report suspected measles cases to Fort Bend County Health & Human Services within 24 hours by contacting the following phone number 281-342-6414 or fax number 281-342-7371.

MEASLES SYMPTOMS TYPICALLY INCLUDE

- High fever (may spike to more than 104° F)
- Cough
- Runny nose
- Red, watery eyes
- Rash breaks out 3-5 days after symptoms begin



Environmental & Infectious Diseases in Fort Bend County

Diseases Notified to Texas DSHS	# of Investigations Completed in August 2018	# of Cases Notified to TX DSHS in August 2018	# of Investigations Completed from 01/01/2018 to 08/31/2018	# of Cases Notified to TX DSHS from 01/01/2018 to 08/31/2018
Campylobacteriosis	10	10	45	44
Carbapenem-resistant Enterobacteriaceae (CRE)	7	6	52	48
Chikungunya virus disease	1	-	7	2
Cryptosporidiosis	31	1	3	3
Cyclosporiasis	2	2	6	6
Dengue	1	-	12	-
Giardiasis	1	-	7	2
Haemophilus influenzae, invasive	1	1	12	11
Hepatitis A, acute	4	-	16	1
Hepatitis B virus infection, Chronic	10	-	87	-
Hepatitis B, acute	16	-	109	2
Hepatitis C Virus Infection, chronic or resolved	2	-	24	-
Hepatitis C, acute	2	-	36	-
Listeriosis	1	1	1	1
Lyme disease	5	-	36	-
Malaria	2	2	3	3
Measles (Rubeola)	1	-	2	-
Methicillin-resistant Staphylococcus aureus (MRSA)	10	-	73	-
Multidrug-resistant Acinetobacter (MDR-A)	2	2	21	19
Pertussis	3	3	37	21
Rickettsia, unspecified	13	-	71	-
Salmonellosis	17	17	79	79
Shiga toxin-producing Escherichia coli (STEC)	5	4	19	17
Shigellosis	3	3	10	10
Spotted Fever Rickettsiosis	1	1	1	1
Streptococcus pneumoniae, invasive disease (IPD)	1	1	17	17
Streptococcus, invasive Group A	3	1	18	8
Streptococcus, invasive Group B	4	1	52	11
Typhus fever-fleaborne, murine	6	2	10	5
Varicella (Chickenpox)	10	3	93	26
West Nile Fever	3	-	10	-
Zika virus disease, non-congenital	21	-	100	-