



Bexar County Influenza and COVID-19 Surveillance Report, 2020-2021 Season; 2020 MMWR Week 45

(November 1, 2020 – November 7, 2020)

Summary

Influenza activity continues to be sporadic in San Antonio and Bexar County. Compared to the previous week, the percentage of patient visits due to influenza-like illness (ILI) increased and there was an increase in reports of specimens testing positive for influenza by the public health and hospital laboratories. There were no influenza-associated pediatric deaths and no influenza-associated outbreaks reported this week.

COVID-19 continues to be widespread throughout Bexar County. A total of 15 deaths were reported for the week. Additional data for COVID-19 can be found on the San Antonio Metropolitan Health District website:

<https://covid19.sanantonio.gov/About-COVID-19/Dashboards-Data/Surveillance>.

Table 1: Summary of Recent Bexar County Influenza, Influenza-like Illness (ILI), and COVID-19 Activity

	Percent Change from Previous Week	Current Week 45	Previous Week 44	Data Cumulative since September 27, 2020 (Week 40)
Percentage of specimens positive for influenza by hospitals and public health laboratory	↑62.5%	0.8%	0.3%	0.4%
Percentage of visits due to ILI*	↑30.4	2.3%	1.6%	1.9%
Number of variant/novel influenza infections	0	0	0	0
Number of pediatric influenza deaths	0	0	0	0
Influenza activity code	N/A	Sporadic	Sporadic	N/A
Percentage of specimens positive for COVID-19 by hospitals and public health laboratory**	↑30.3%	5.6%	3.9%	4.3%

Note: Data included in this table have been updated since last week's flu report with any new reports received.

+ Based on ILINet data

++ Based on NRVES and Metro Health Lab data

U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet)

Information on patient visits to health care providers for influenza-like illness (ILI) is collected throughout Bexar County. Health care providers voluntarily report this information to ILINet.

Figure 1: Percentage of Visits Due to ILI Reported by Bexar County ILINet Participants 2017-2021 Seasons

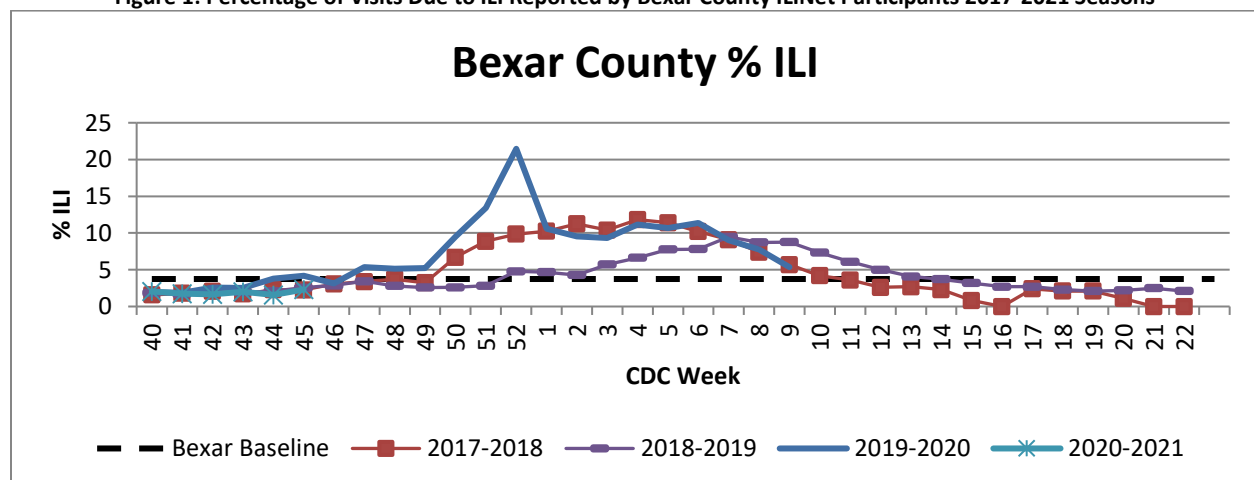
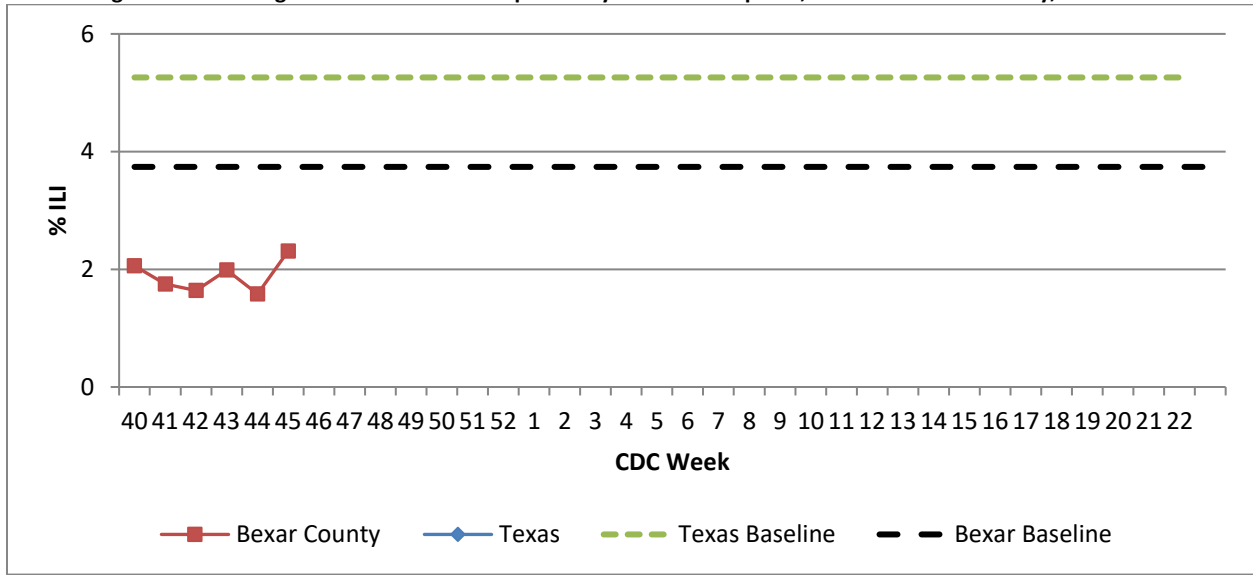


Figure 2: Percentage of Visits Due to ILI Reported by ILINet Participants, Texas and Bexar County, 2020-2021



Laboratory Results

Hospital and Public Health Laboratory Testing

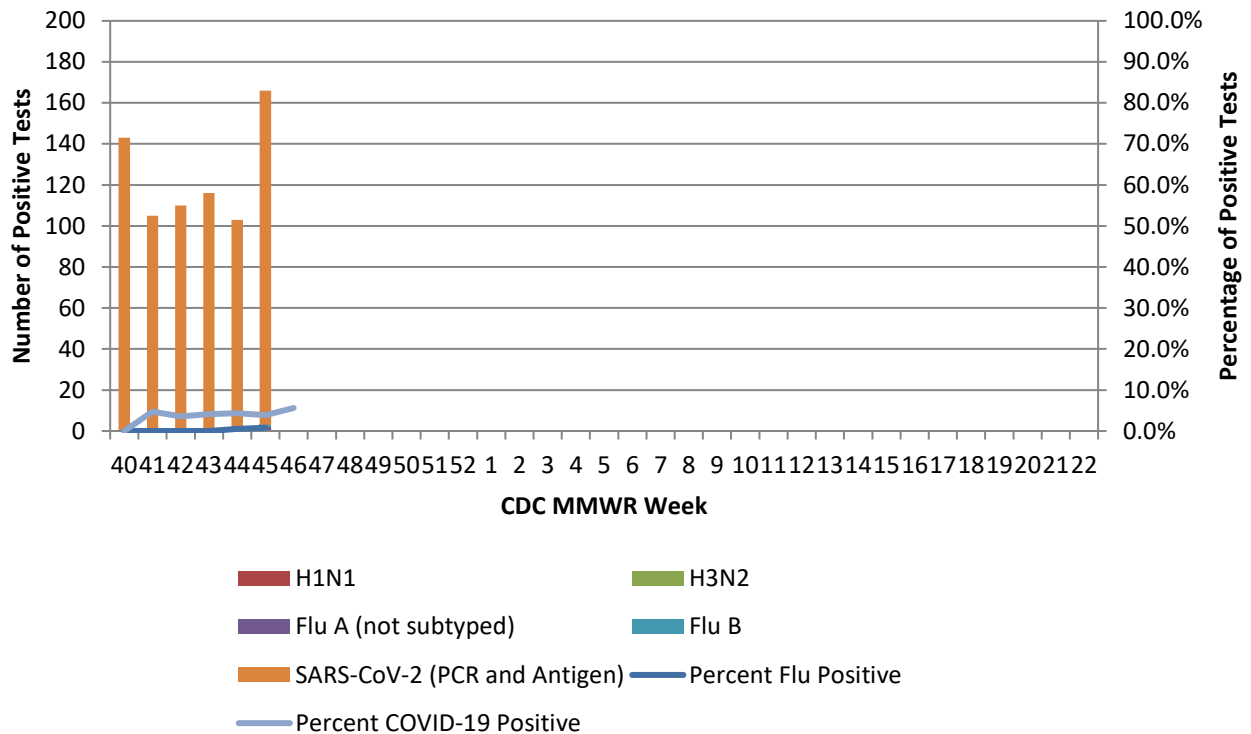
Hospital laboratories voluntarily report influenza tests (antigen, culture, and PCR) to the National Respiratory and Enteric Virus Surveillance System (NREVSS). Providers throughout Bexar County also submit specimens for influenza testing and SARS-COV-2 testing (PCR and antigen) to the San Antonio Metropolitan Health District’s (Metro Health) public health laboratory. The results reported by Texas NREVSS participants and Metro Health for the current week are summarized in the table below.

Table 2: Influenza and COVID-19 testing performed in Bexar County for the Current and Previous Week

	Current Week 45	Previous Week 44	Cumulative since September 27, 2020 (Week 40)
Number of Influenza specimens tested	392	338	1863
Number of positive Influenza specimens (n, %)	3 (0.8%)	1 (0.3%)	4 (0.2%)
Positive Influenza specimens by type/subtype (n, %)			
Influenza Type A	2 (66.7%)	1 (100%)	3 (75.0%)
Subtyping performed	0 (0.0%)	0 (0.0%)	0 (0.0%)
H1N1	0 (0.0%)	0 (0.0%)	0 (0.0%)
H3N2	0 (0.0%)	0 (0.0%)	0 (0.0%)
Subtyping not performed	2 (100%)	1 (100%)	3 (100%)
Influenza Type B	1 (33.3%)	0 (0.0%)	1 (25.0%)
Number of COVID-19 specimens tested	2904	2614	14933
Number of positive COVID-19 specimens (n, %)	163 (5.6%)	102 (3.9%)	637 (4.3%)
Confirmed (n, %)	163 (100%)	102 (100%)	637 (100%)
Probable (n, %)	0 (0.0%)	0 (0.0%)	0 (0.0%)

Note: Influenza data included in this table is voluntarily submitted weekly via NREVSS and Metro Health laboratory and reporting may vary from week to week. SARS-CoV-2 data for this table is also submitted weekly via NREVSS and the Metro Health Laboratory.

Figure 3: Number and Percentage of Positive Influenza (PCR) and COVID-19 Tests (PCR and Antigen), Bexar County, 2020-2021



Note: Influenza data included in this graph is voluntarily submitted weekly via NREVSS and the Metro Health laboratory and reporting may vary from week to week. SARS-CoV-2 data in this graph is also submitted weekly via NREVSS and the Metro Health Laboratory.

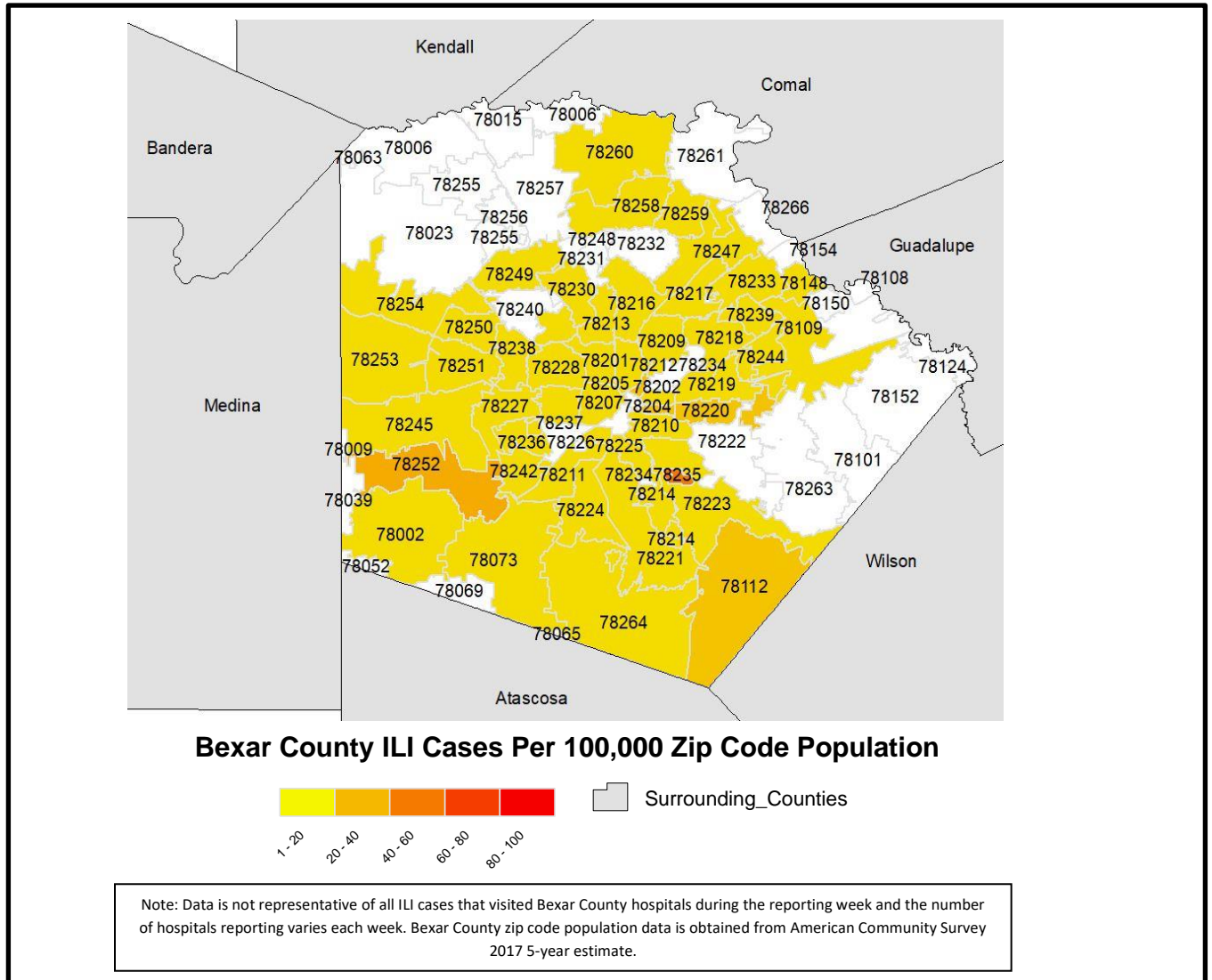
Texas Syndromic Surveillance (TXs2)

Hospital providers throughout Bexar County voluntarily report data based on chief complaints of Influenza-like Illness (ILI) defined as fever (temperature of 100°F [37.8°C] or greater) plus cough and/or sore throat. Participating providers are required to report data every 24 hours.

Table 4: ILI Cases Reported by Age Group in TXs2 during MMWR Week 45

Age Group	ILI Cases	ILI Percentage
0 – 4 Years	47	28.8%
5 – 24 Years	52	31.9%
25 – 49 Years	39	23.9%
50 – 64 Years	19	11.7%
65 +	6	3.7%

Figure 4: MMWR Week 45 TXs2 Reported ILI Cases by Zip Code



P&I Mortality Surveillance Data

Pneumonia and influenza (P&I) death data are obtained from death certificates of Bexar County residents whose underlying or contributing cause(s) of death is reported as pneumonia or influenza.

Table 5: Bexar County P&I Deaths Occurring November 1, 2020 – November 7, 2020 by Age Group

Age Category (years)	Number of P&I Deaths
0-4	0
5-17	0
18-49	0
50-64	5
65+	7

Note: Data are provisional and subject to change, errors, and duplicates

COVID-19 Mortality Surveillance Data

COVID-19 Mortality Data is obtained from Bexar County death certificates.

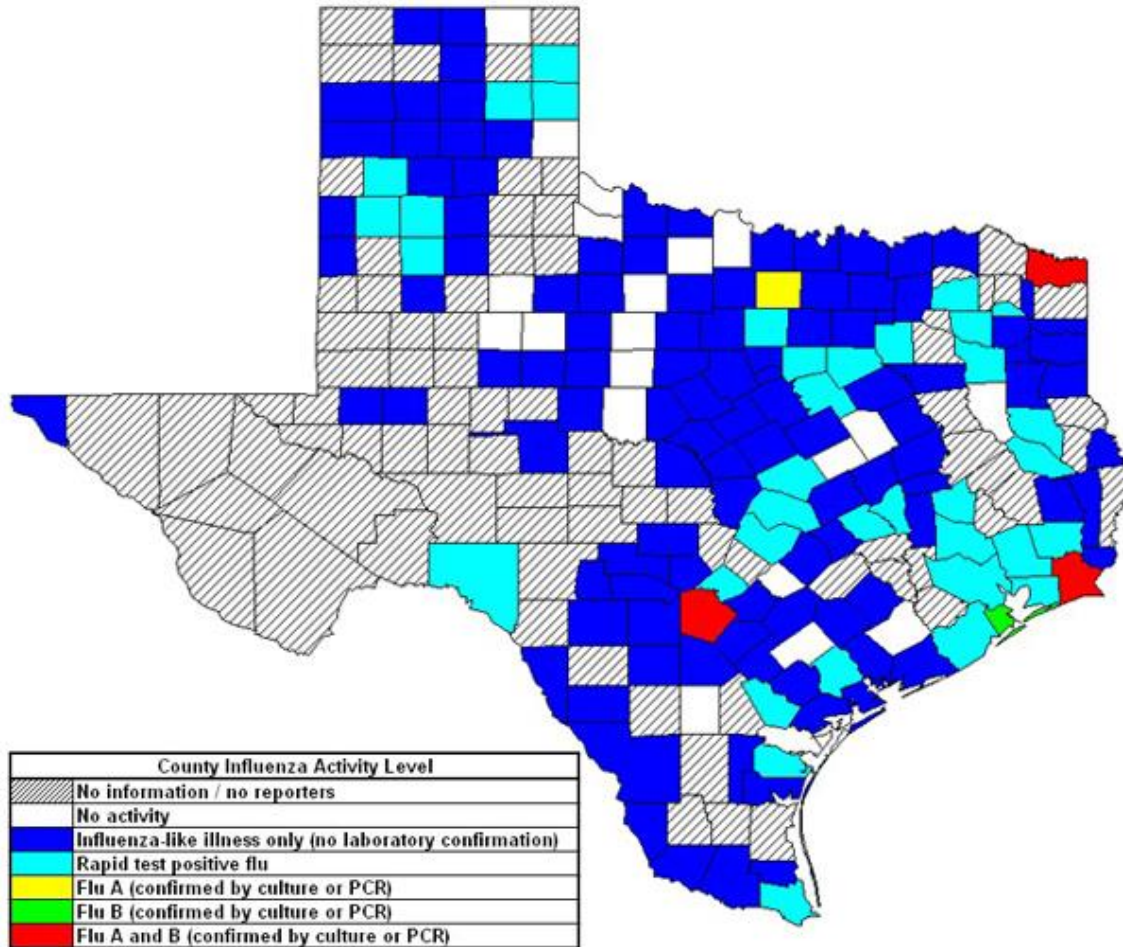
Table 6: Bexar County COVID-19 Deaths Occurring November 1 – November 7, 2020 by Age Group

Age Category (years)	Number of P&I Deaths
0-4	0
5-17	0
18-49	0
50-64	5
65+	10

Note: Data are provisional and subject to change, errors, and duplicates

Statewide Influenza Activity Map

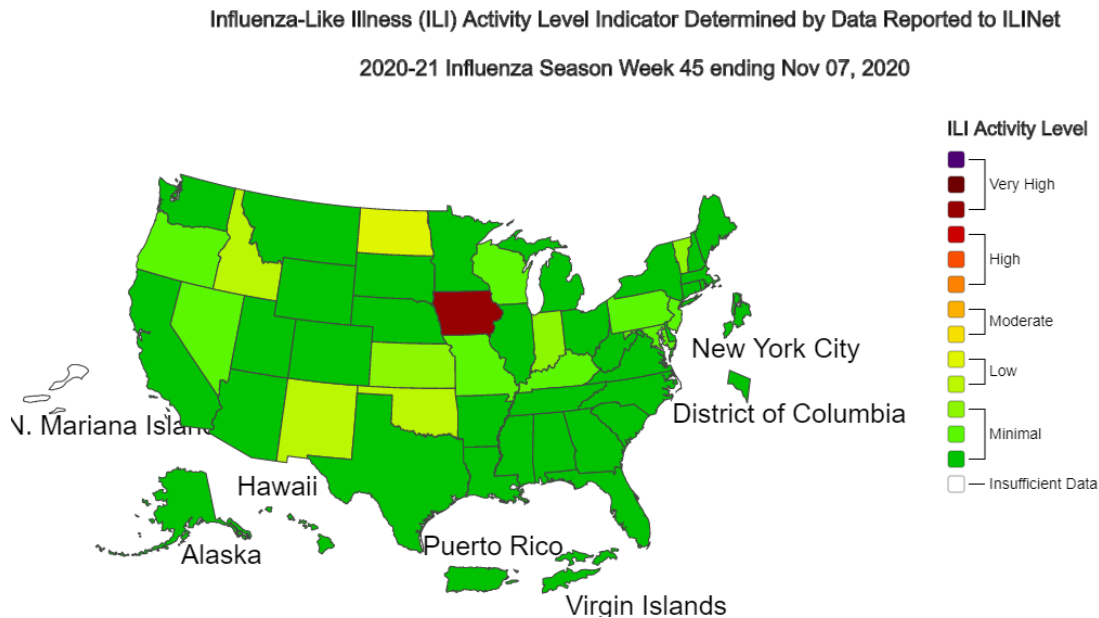
Figure 5: Texas Map Displaying the Highest Level of Influenza or ILI Activity Reported by County for the Week Ending November 7, 2020 (MMWR Week 45)



Source: <http://www.dshs.state.tx.us/idcu/disease/influenza/surveillance/>

Nationwide Influenza Activity Map

Figure 6: US Influenza Activity Estimates



Source: <https://www.cdc.gov/flu/weekly/usmap.htm>

- **View More Bexar County Weekly Influenza Reports on San Antonio Metropolitan Health District's Website:**
<https://www.sanantonio.gov/Health/News/HealthDataReports>
- Note: Bexar County seasonal baseline was calculated using a method similar to CDC's National/Regional baseline calculation. For further information on this method, please visit: <https://www.cdc.gov/flu/weekly/overview.htm>
- Influenza-like illness (ILI): patients with a fever of $\geq 100^{\circ}\text{F}$ and a cough/sore throat
- Influenza activity codes are determined using GIS and are based on influenza activity per zip code tabulation area (ZCTA) within a quadrant-based system for Bexar county.
 - No activity = No or low ILI activity (all four quadrants have <20 per ZCTA population) and no lab confirmed cases
 - Sporadic = Isolated cases of lab confirmed influenza and increased ILI activity in at least one of the four defined Bexar quadrants, but activity does not exceed 100 cases per ZCTA population.
 - Localized =ILI activity within one Bexar quadrant increases above 100 cases per ZCTA population, but all other quadrants remain below 100 cases AND lab confirmed cases have increased since the previous week
 - Widespread = ILI activity has increased above 100 cases per ZCTA population in 2 or more quadrants and lab confirmed cases of influenza have had an increased activity level at least one of the three prior reporting weeks
- **For questions about influenza surveillance and reporting for Bexar County**, email SA Metro Health's Influenza Surveillance Coordinator, Annika Jones at Annika.jones@sanantonio.gov.