

Houston Health Department 2023-2024 Weekly Influenza Report Syndromic Surveillance

MMWR Week 2023 46 (ending 11/18/2023)

Key Highlights:

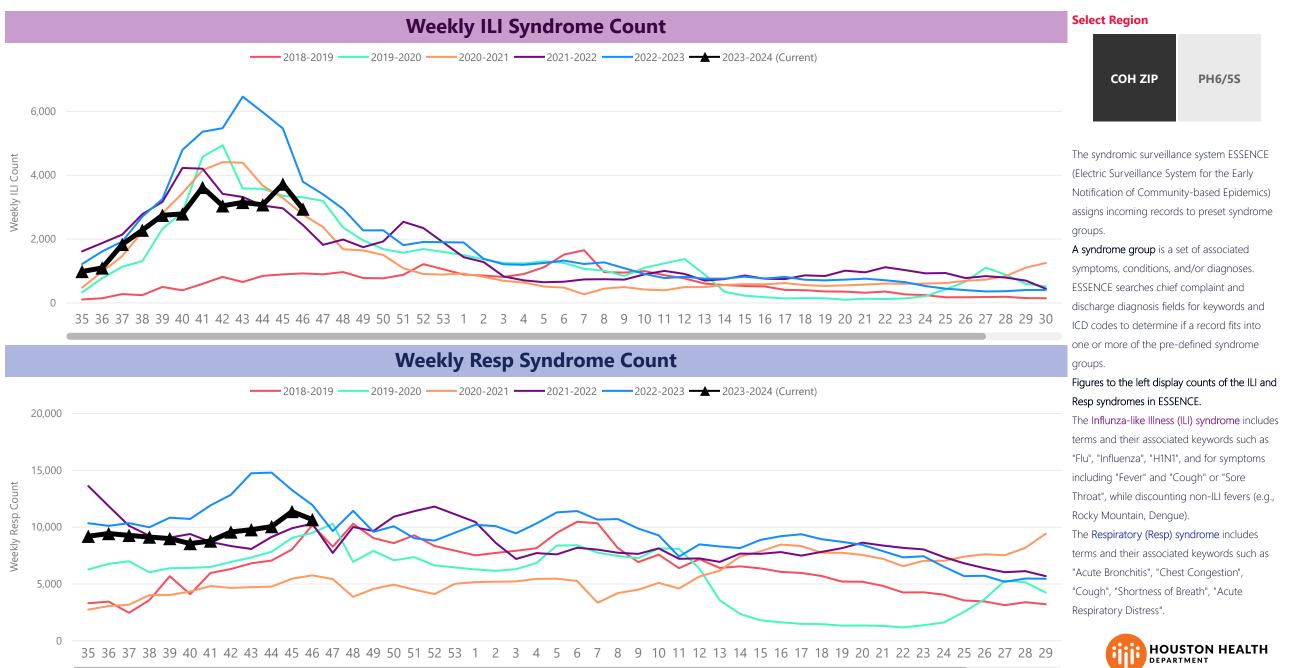
Historically, the influenza season begins around the first of October, usually MMWR Week 40. Last season (2022-2023), HHD observed an uptick in influenza prior to Week 40. Because of this slight change in timeline from the traditional influenza season, all figures in this report currently begin on Week 35. There is a 7 day lag for state and national values reported. Last 5 weeks of syndromic data are subject to change.

Figures begin on page 3 of this report.

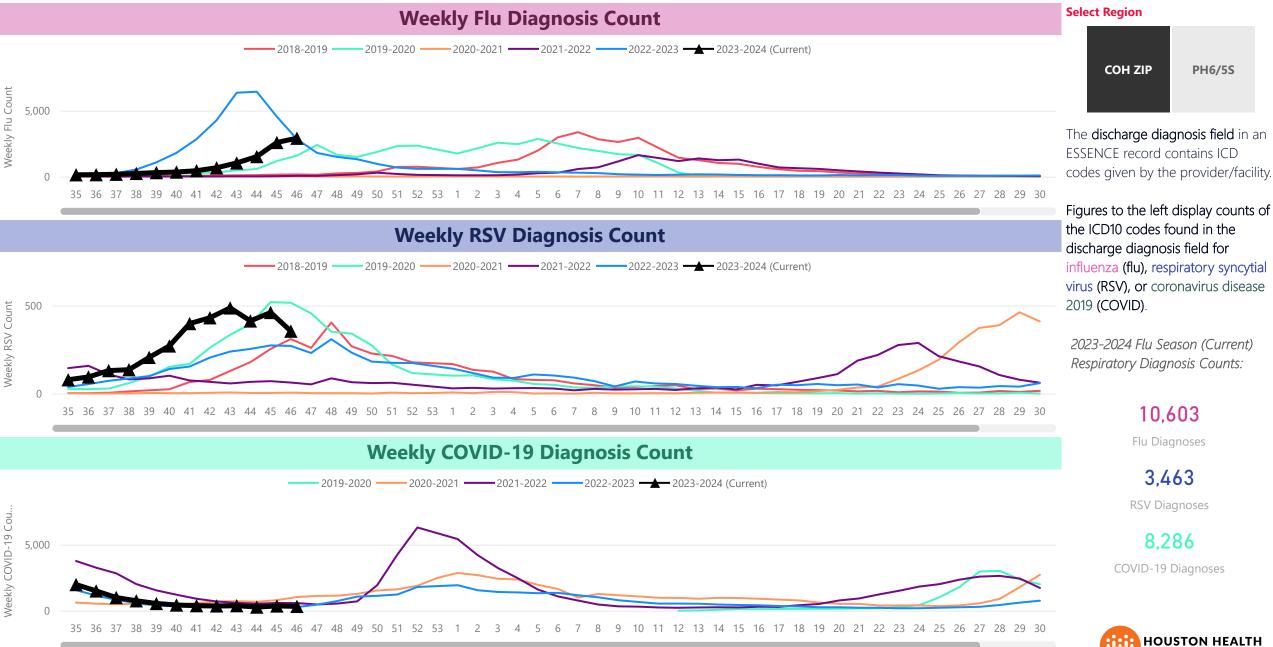
- ILI & Resp Syndrome Historical (COH), page 3: The weekly ILI syndrome count is down from previous week and overall trend has been steady the previous 5 weeks, similar to the trends and counts of the last few seasons for the city of Houston (though still low compared to 2022-2023 for this timeframe). The weekly Resp syndrome count is on a slight increasing trend, consistent with previous seasons for the timeframe.
- Respiratory Diagnoses Historical (COH), page 4: The weekly flu diagnosis count is on an increasing trend, however, counts are still low compared to those of the previous season (2022-2023) for the same timeframe. The weekly RSV diagnosis count is down from previous week and current counts are slightly higher than those of the previous season (2022-2023) for the same timeframe. The weekly COVID-19 diagnosis count is on a steady/decreasing trend, similar to trends and counts seen in previous seasons for this timeframe.
- Current Respiratory Diagnoses with Wastewater data, page 5: the weekly influenza diagnosis count has been increasing since 2023 Week 35 and the Flu A wastewater level is also up from from last week. Both the RSV diagnosis count and wastewater level have been increasing since 2023 Week 39 and while the RSV wastewater level is up from last week, the RSV diagnosis count is steady/slightly decreasing. The COVID-19 diagnosis count and wastewater level are low, however, COVID-19 wastewater is up from the previous week.
- Current Flu Season with Texas and National trends, pages 6: Both national and Texas counts of positive influenza tests by clinical laboratories and ILINet % of visits for ILI are increasing.
- Demographics of Flu Diagnoses for COH (past 5 weeks), page 7: a majority of the current seasons flu diagnoses in the past 5 weeks in COH are children ages 5 to 17, who also have the highest weekly ILI percentage of total visits. Males and females make up close to equal proportions of flu diagnoses with males having a slightly higher ILI percentage of total visits. Hispanics followed by NH Blacks make up a majority of flu diagnoses, and NH Blacks have the highest ILI percentage of total visits (followed by Hispanics).
- Page 8 & 9 are the same figures shown in pages 3 and 4, except the display trends for the whole PH6/5S region, which currently mirror the trends of COH.



ILI & Resp Syndrome during Flu Season: 2023-2024 and previous 5 years

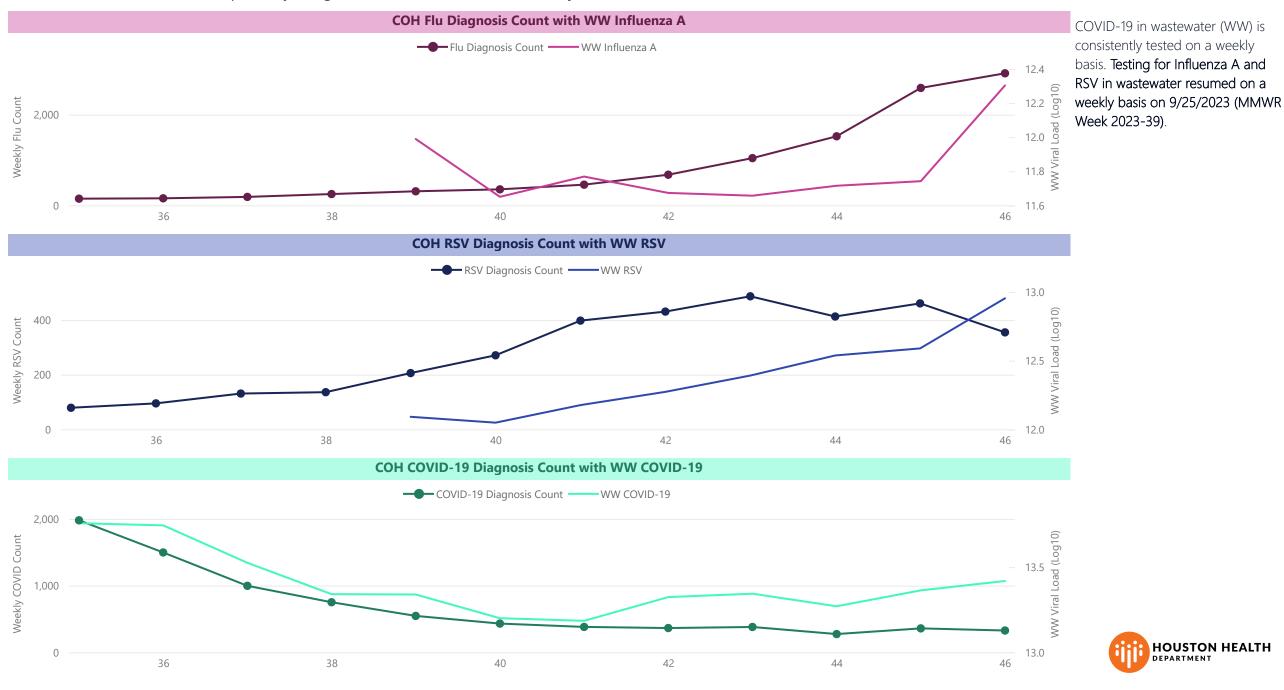


<u>Respiratory Diagnosis during Flu Season: 2023-2024 and previous 5 years</u>

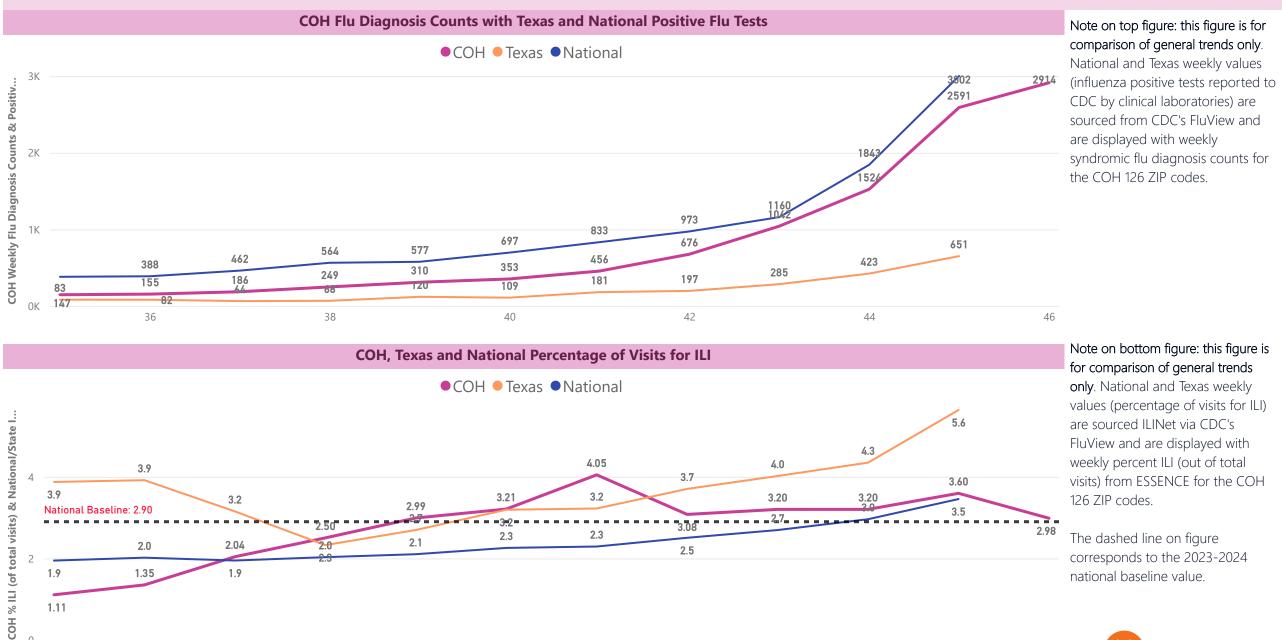


DEPARTMENT

Respiratory Diagnoses (Flu, RSV, COVID) Weekly Counts with Wastewater Trends for Current 2023-2024 Flu Season



COH Flu Diagnosis Weekly Counts & Percentage of Visits with National and Texas Flu Trends for Current 2023-2024 Flu Season



42

44

1.11

36

38

40

HOUSTON HEALTH DEPARTMENT

46

Demographics of Flu Diagnoses for 2023-2024 Flu Season (Last 5 weeks, COH 126 ZIP Codes)

10%

61%

23%

2023-42

100%

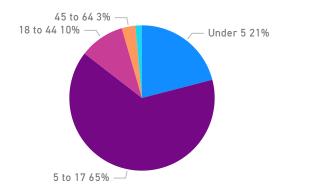
50%

0%

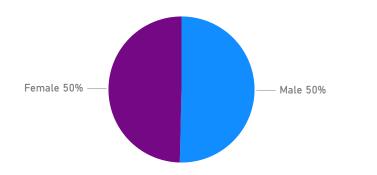
Last 5 Weeks: Flu Diagnosis Count

8.645



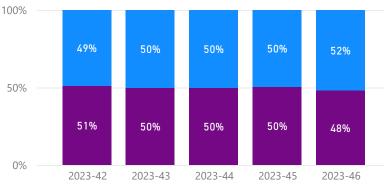


SEX: % Distribution for Current Season



SEX: % Distribution by Week

2023-44



AGE GROUP: % Distribution by Week

10%

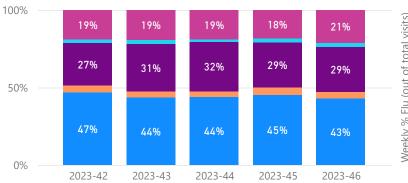
64%

2023-43

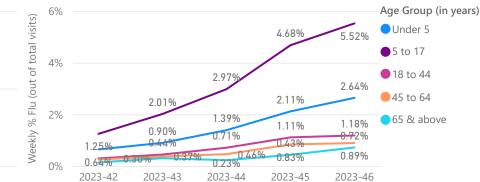
11%

65%

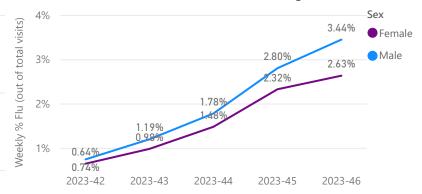
RACE-ETHNICITY: % Distribution by Week



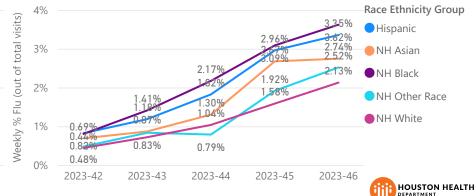
AGE GROUP: % Flu of Total Visits by Week



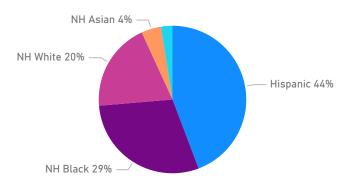
SEX: % Flu of Total Visits by Week

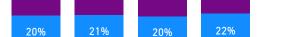


RACE-ETHNICITY: % Flu of Total Visits by Week



RACE-ETHNICITY: % Distribution for Current Season





10%

65%

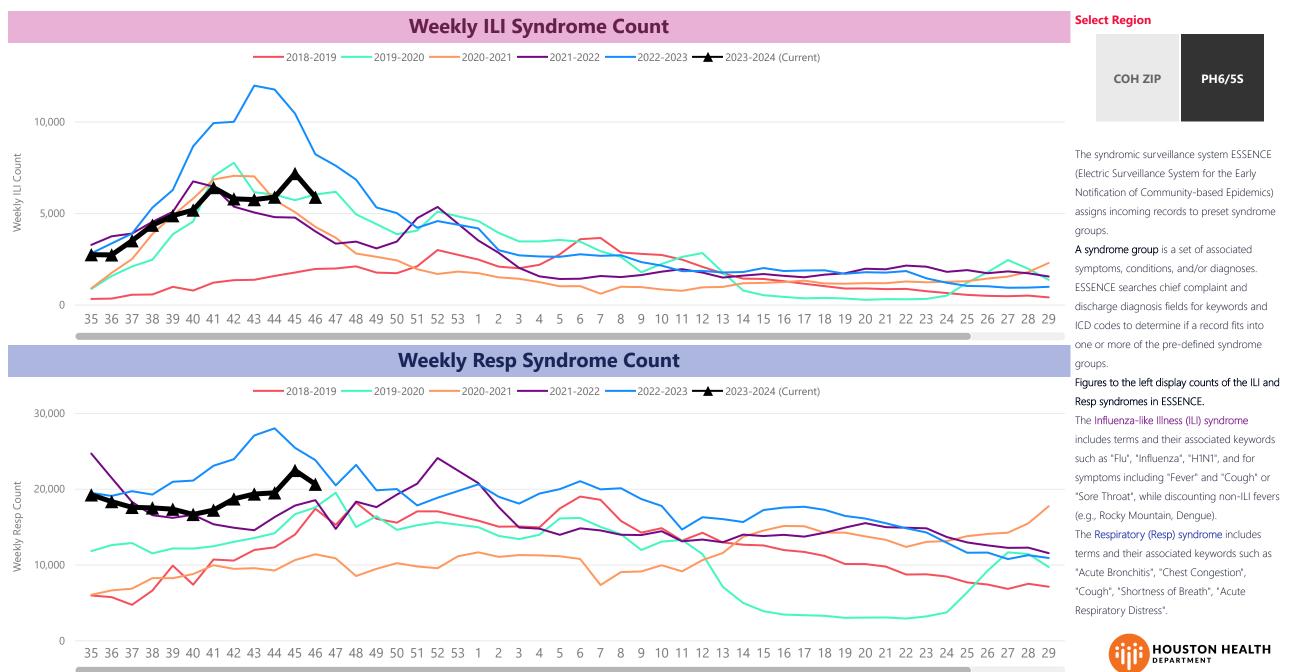
2023-45

9%

64%

2023-46

ILI & Resp Syndrome during Flu Season: 2023-2024 and previous 5 years



<u>Respiratory Diagnosis during Flu Season: 2023-2024 and previous 5 years</u>

