

# Houston Health Department 2023-2024 Weekly Influenza Report Syndromic Surveillance

MMWR Week 2023 45 (ending 11/11/2023)

# Key Highlights:

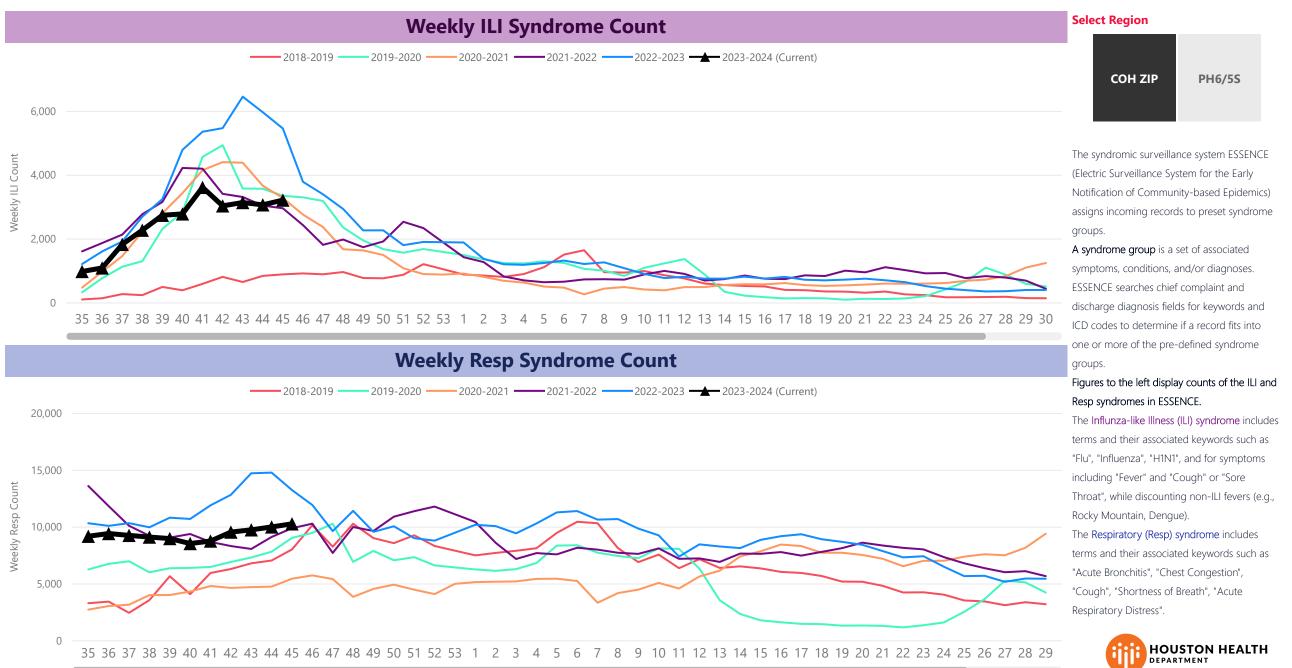
Historically, the influenza season begins around the first of October, usually MMWR Week 40. Last season (2022-2023), HHD observed an uptick in influenza prior to Week 40. Because of this slight change in timeline from the traditional influenza season, all figures in this report currently begin on Week 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.

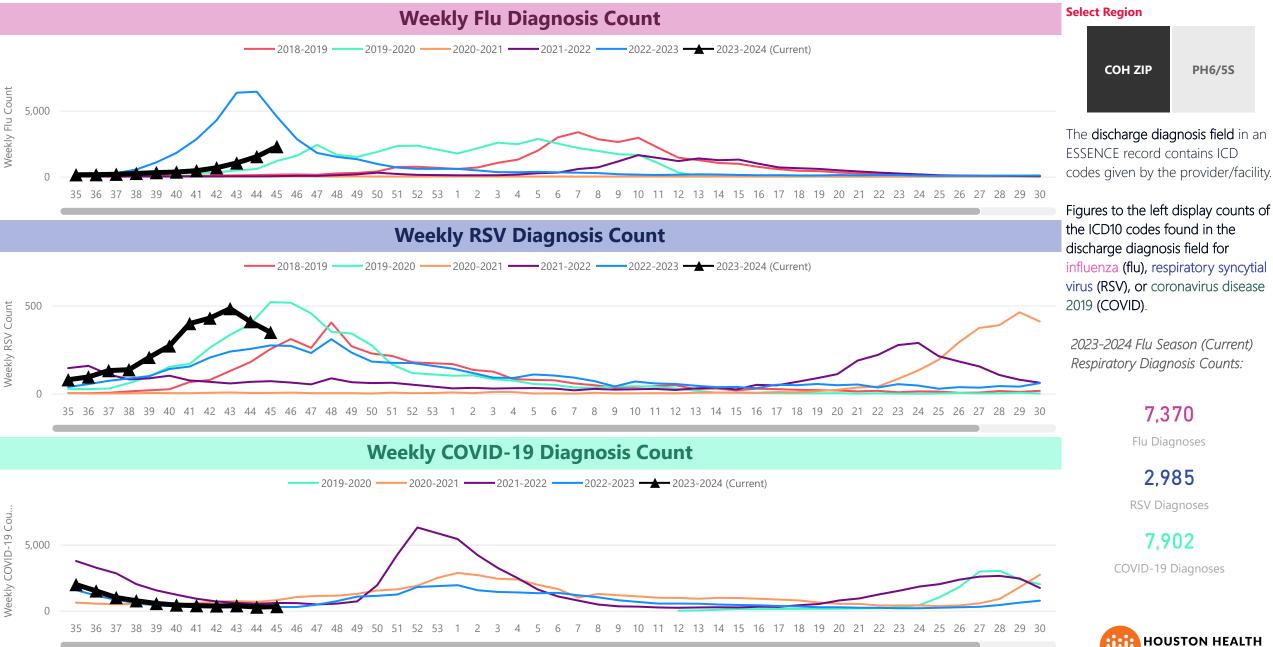
- ILI & Resp Syndrome Historical (COH), page 3: The weekly ILI syndrome count is currently on a steady to slightly increasing trend, similar to the trend and counts of the last few seasons for the city of Houston (126 ZIP codes). The weekly Resp syndrome count is on a slight increasing trend, consistent 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, but 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 decreasing trend, similar to trends and counts seen in previous seasons for this timeframe.
- Current Respiratory Diagnoses with Wastewater data, page 5: weekly influenza diagnosis counts have been increasing since 2023 Week 35 and wastewater levels are also up from from last week. Both RSV diagnosis counts and wastewater levels have been increasing since 2023 Week 39, though both may be leveling out or decreasing in the last couple of weeks. COVID-19 diagnosis counts and wastewater levels are low, however, COVID-19 wastewater is up from the previous week.
- Current Flu Season with Texas and National trends, pages 6 & 7: 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 8: 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 percentage of total visits. Males and females make up close to equal proportions of flu diagnoses with males having a slightly higher percentage of total visits. Non-Hispanic Black followed by Hispanic make up a majority of flu diagnoses, and have the highest percentages of total visits (followed by NH Asian).
- Page 9 & 10 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

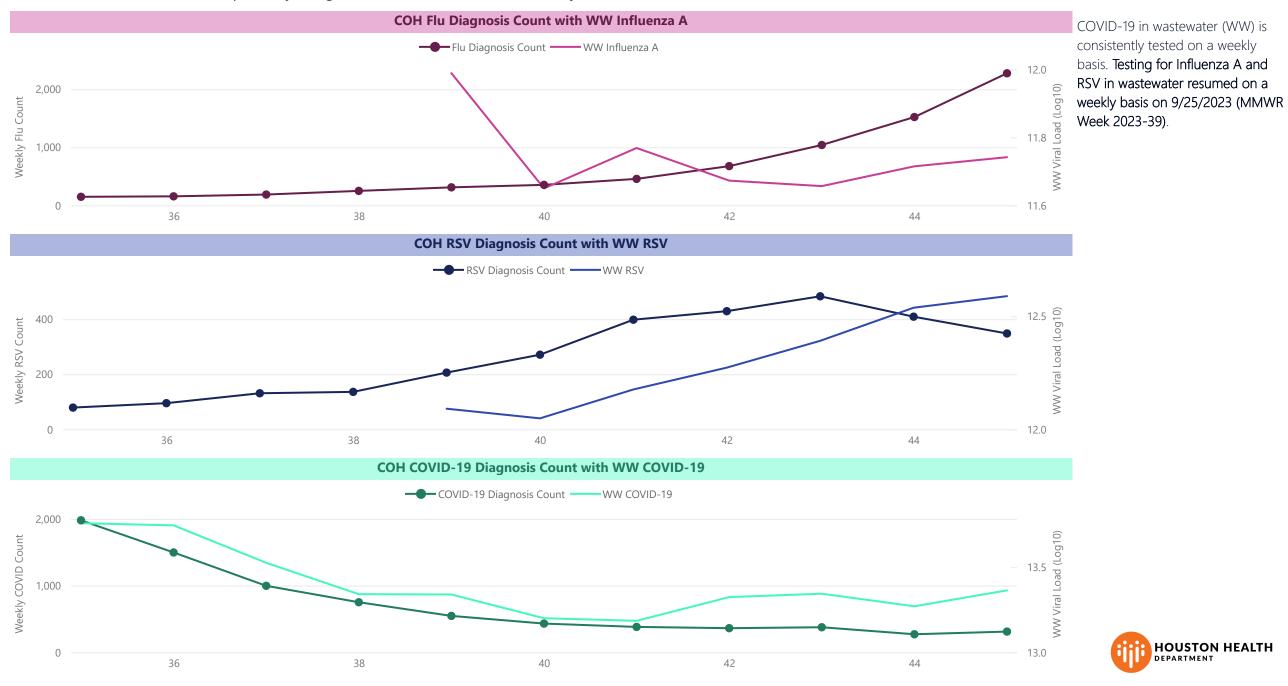


## <u>Respiratory Diagnosis during Flu Season: 2023-2024 and previous 5 years</u>

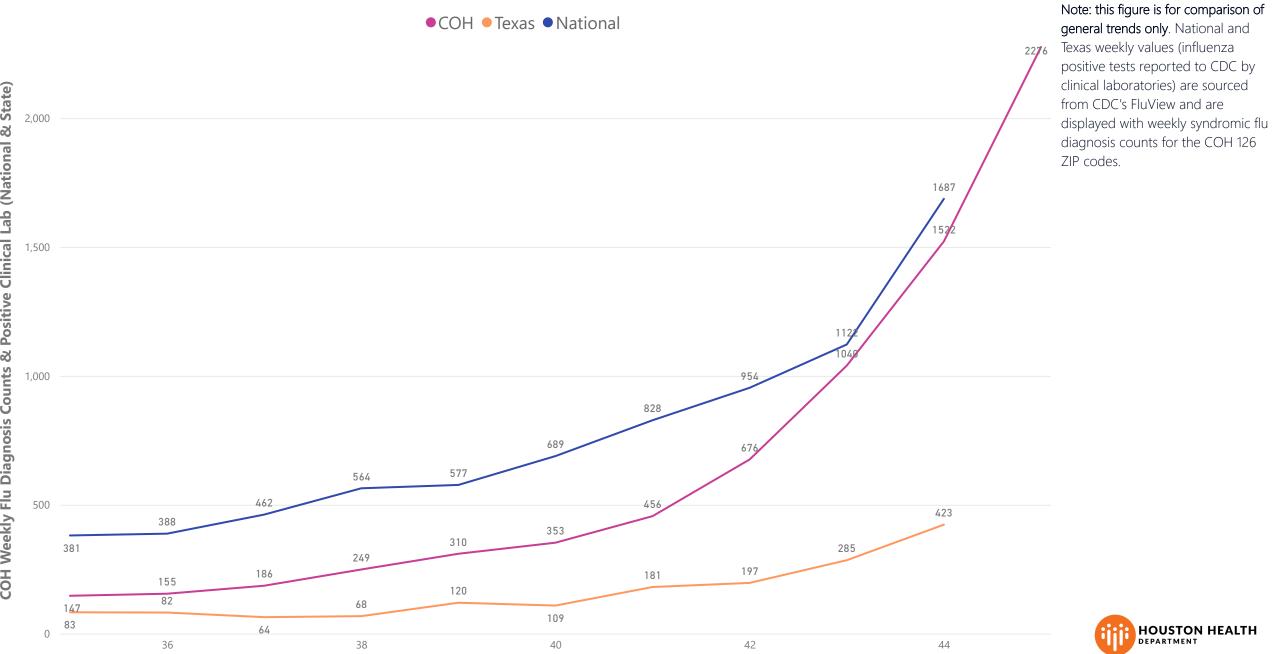


DEPARTMENT

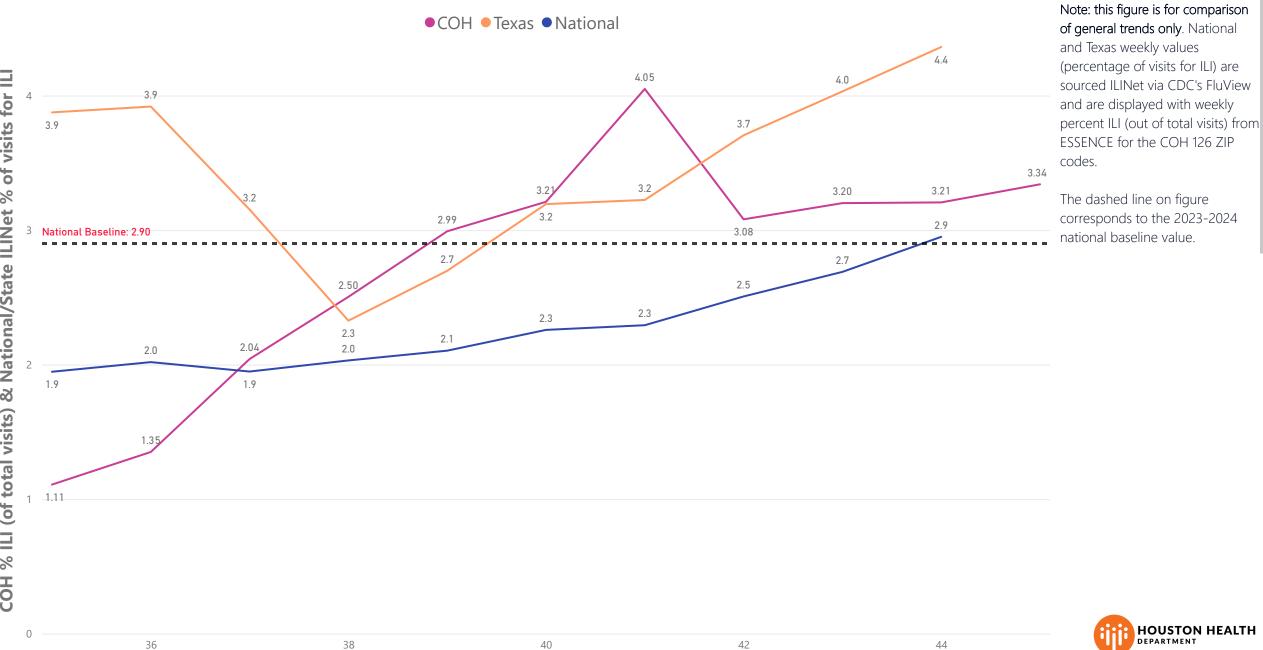
#### Respiratory Diagnoses (Flu, RSV, COVID) Weekly Counts with Wastewater Trends for Current 2023-2024 Flu Season



### COH Flu Diagnosis Weekly Counts with National and Texas Clinical Positive Flu Labs for Current 2023-2024 Flu Season



### COH Weekly Percent ILI with National and Texas Percentage of visits for ILI (ILINet) for Current 2023-2024 Flu Season



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

13%

52%

28%

2023-41

100%

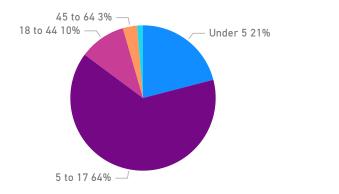
50%

0%

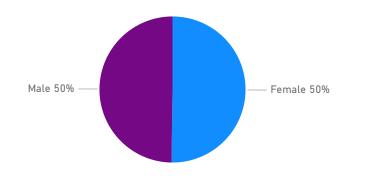
Last 5 Weeks: Flu Diagnosis Count

5,901





**SEX: % Distribution for Current Season** 



SEX: % Distribution by Week

**AGE GROUP: % Distribution by Week** 

10%

64%

20%

2023-43

10%

61%

23%

2023-42

11%

65%

21%

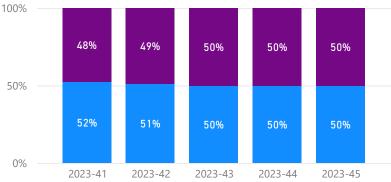
2023-44

10%

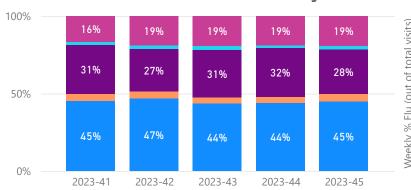
67%

19%

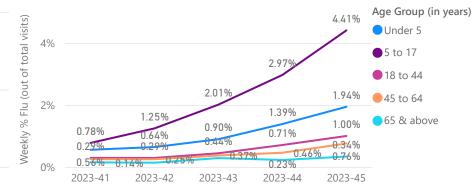
2023-45



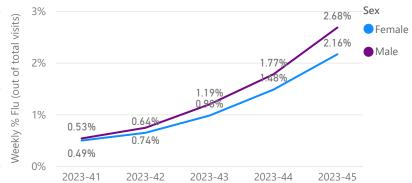
**RACE-ETHNICITY: % Distribution by Week** 







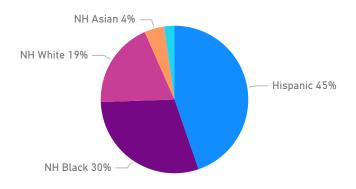
SEX: % Flu of Total Visits by Week



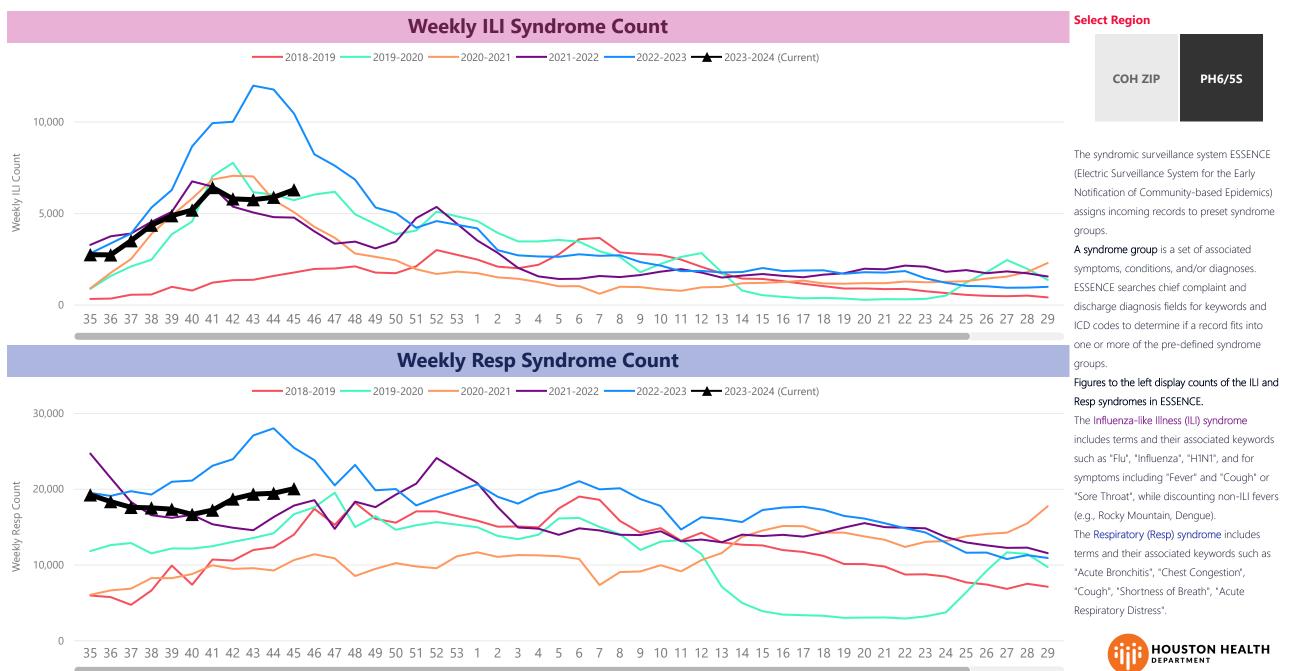
**RACE-ETHNICITY: % Flu of Total Visits by Week** 



#### **RACE-ETHNICITY: % Distribution for Current Season**



# 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>

