2025-2026
Respiratory Surveillance Report
Week 16

Apr. 19 – Apr. 25, 2026

About our respiratory activity reporting

MSDH utilizes a variety of methods for tracking respiratory viral illness (influenza, COVID-19, RSV) in Mississippi. Syndromic surveillance data from participating hospitals and urgent care clinics provides trend data for visits related to influenza-like-illness (ILI), COVID-19-like-illness (CLI), and respiratory syncytial virus-like-illness (RSV-like-illness) over time. In addition to syndromic surveillance, MSDH uses sentinel surveillance for influenza and wastewater surveillance (in pilot state) for influenza and COVID-19.

Each year MSDH identifies sentinel healthcare providers across the state to report numbers of patients with ILI (fever of 100°F or higher AND cough and/or sore throat), in comparison to their total patients seen. These providers also collect specimens which are sent to the Mississippi Public Health Lab for multiplex testing (COVID-19, influenza, RSV) and further subtyping as indicated. This combination of data allows MSDH to identify local trends in ILI presentations and maintain surveillance of circulating influenza subtypes and COVID-19 variants.

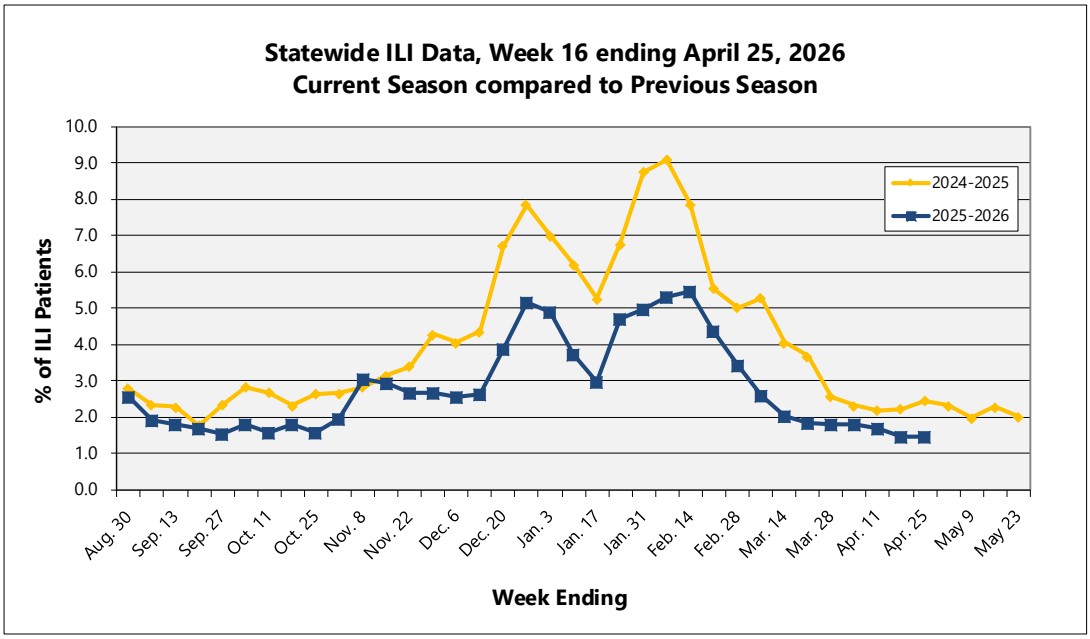
Wastewater surveillance for respiratory viruses is a newer form of surveillance, and Mississippi is in the early phases of establishing its wastewater surveillance program for COVID-19 and influenza.

During 2025, MSDH noted an increase in the number of reported pertussis cases (otherwise known as "whooping cough"). Pertussis is a Class 1A vaccine-preventable reportable disease, and MSDH attempts to interview every reported case within 24 hours of receipt.

Information contained within this report is provisional and may change depending on additional reporting from sentinel providers and surveillance sources. The influenza reports represent only the distribution of flu in the state, not an actual count of all flu cases statewide.

Content

State ILI Surveillance

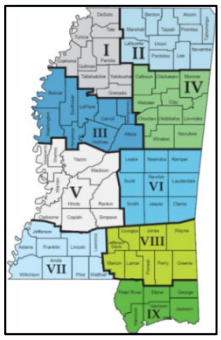


During week **16** (4/19/26-4/25/26), the overall state ILI rate (**1.5%**) **remained constant** from the previous week (**1.5%**) and was lower than this time last year (**2.4%**). | **Figure 1**

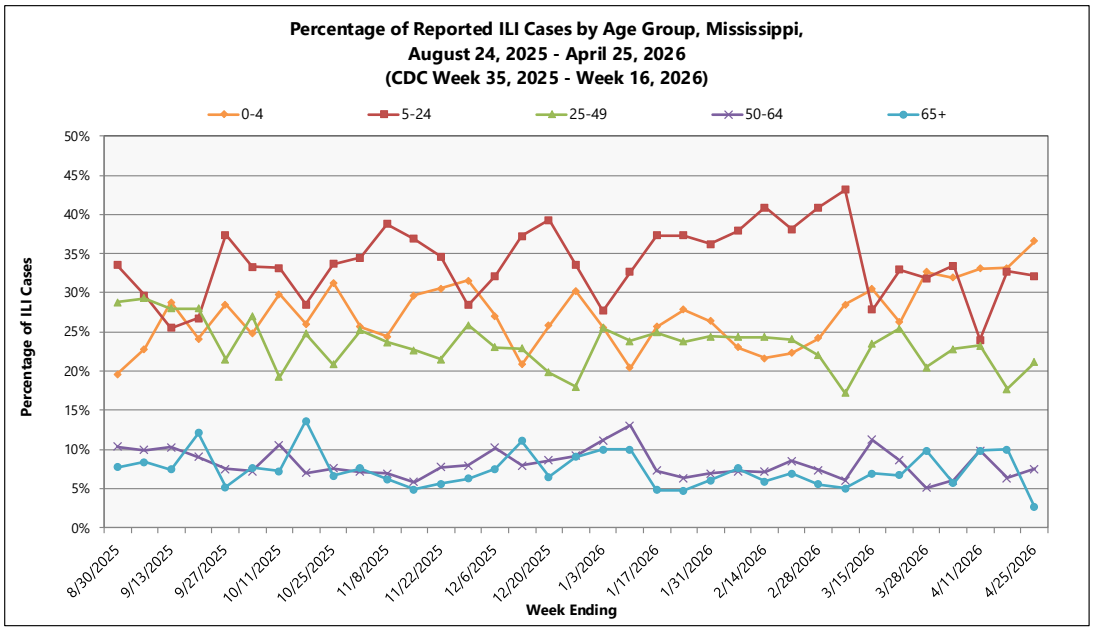
Total number of patients treated by sentinel providers in the last three weeks | **Table 1**

2025-2026 Influenza Season					
CDC Week	**Week Ending**	**Number of reports received from Sentinel Providers**	**Total patients**	**ILI symptoms**	**ILI Rate (%)**
16	**Apr. 25**	**54**	**15544**	**227**	**1.5**
15	Apr. 18	52	15017	220	1.5
14	Apr. 11	54	15220	254	1.7

During week **16**, one district (7) had an increase in ILI activity. Two districts (2 and 3) had a decrease. Six districts (1, 4, 5, 6, 8, and 9) remained constant. *Information is provisional only and may change depending on additional reporting from sentinel providers.* | **Table 2**

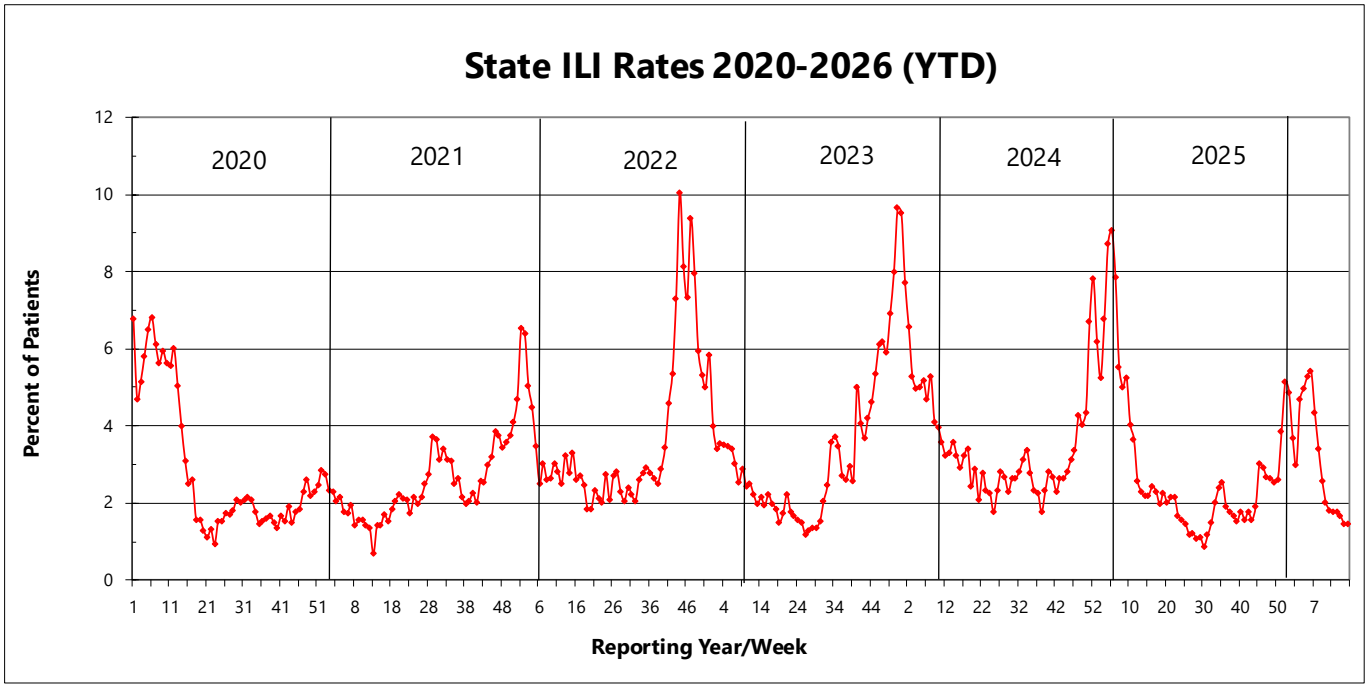


MSDH District ILI Rates (%) 2025-2026		
District	**Week 15**	**Week 16**
State	*1.5*	*1.5*
I	1.6	1.3
II	1.8	1.1
III	5.3	4.1
IV	1.9	1.8
V	0.9	0.6
VI	2.0	1.6
VII	2.4	3.5
VIII	0.7	0.8
IX	1.0	1.2



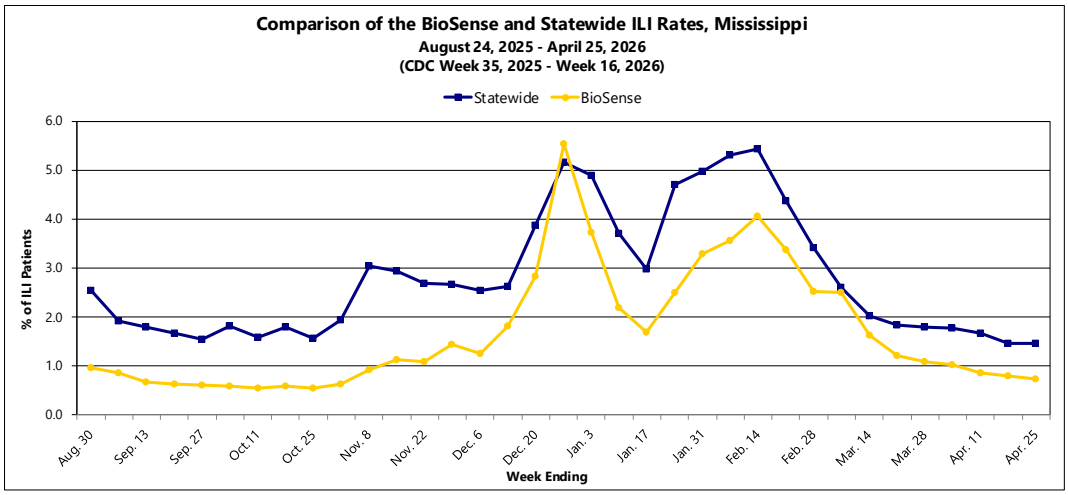
Overall, the percentage of reported ILI cases has been highest among those in the **5-24 years** of age group. During week **16**, the percentage of ILI cases in the 0-4, 25-49, and 50-64 years of age groups increased. The percentage of ILI cases decreased in the 5-24 and 65+ years of age groups when compared to the previous week. | **Figure 2**

Mississippi ILI Rates 2020-2026 | Figure 3

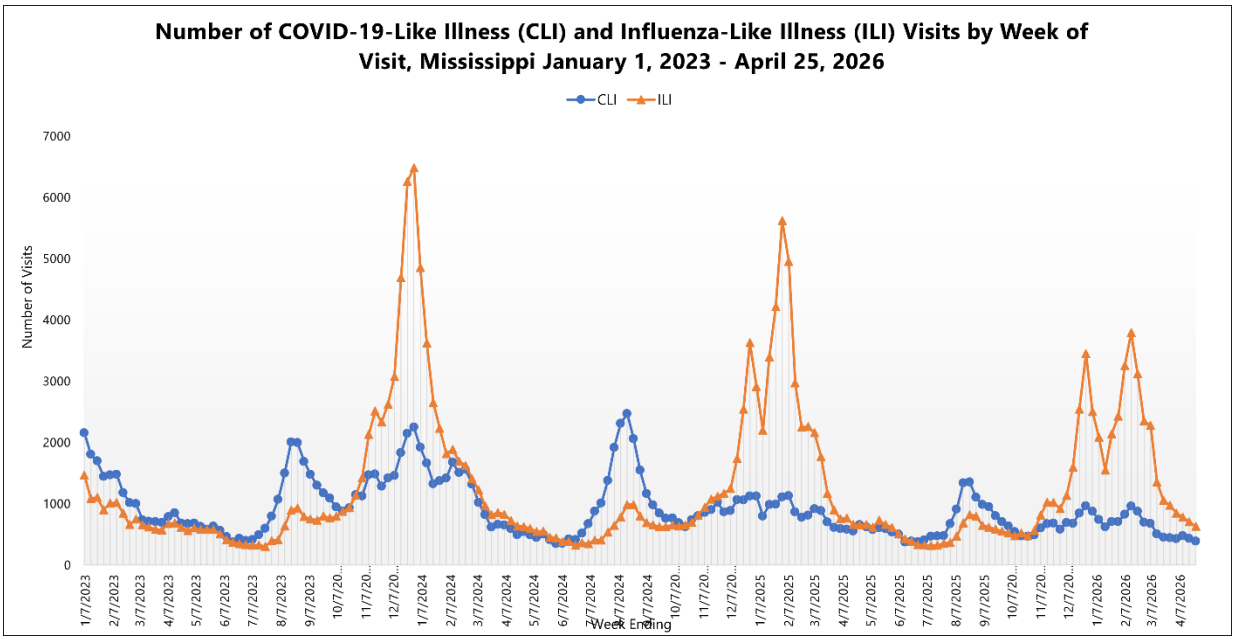


Syndromic Surveillance

The Mississippi State Department of Health also collects syndromic surveillance data through the CDC BioSense Platform. This data is comprised of chief complaints and diagnosis codes and is submitted electronically by participating hospitals and clinics throughout the state in near real-time. The BioSense data is an additional tool to monitor influenza activity in Mississippi.



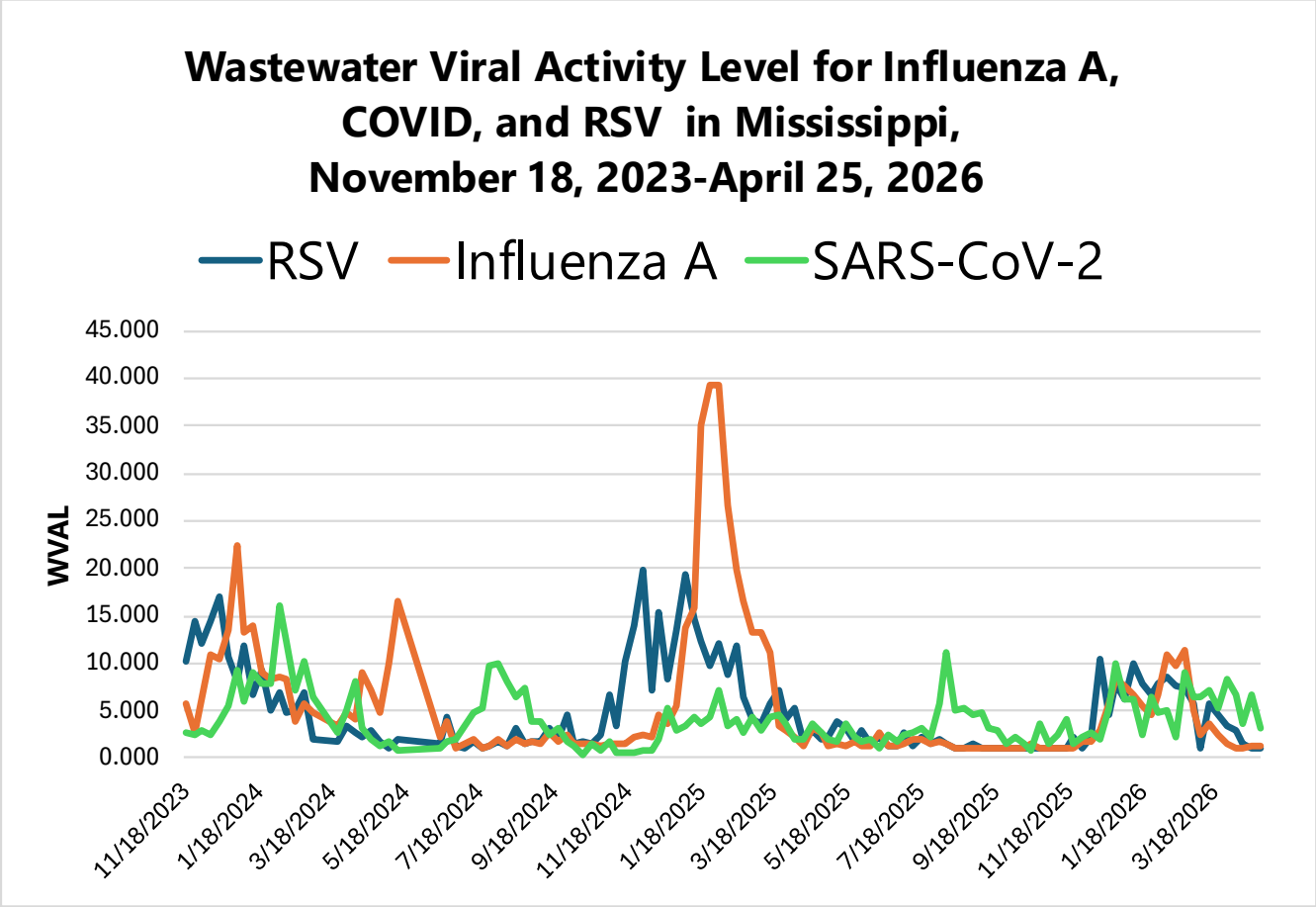
The percentage of patients with a chief complaint or diagnosis of influenza-like illness during week **16** decreased when compared to the previous week, as the statewide ILI rate remained constant. | **Figure 4**



The number of patients with a chief complaint or diagnosis of COVID-like illness during week **16** decreased when compared to the previous week and is lower than influenza-like illnesses, which also decreased. | **Figure 5**

Wastewater Surveillance

Water samples collected from sewage treatment plants are tested for multiple diseases and compounds. The Mississippi State Department of Health collects this data from the CDC's National Wastewater Surveillance System (NWSS), where we can see a reliable presence of disease from a sample in which everyone in the area's waste is integrated. Currently, data from two treatment plants in Mississippi are included in this surveillance activity.



The Wastewater data shows a decrease in COVID, with RSV and influenza A remaining constant. | **Figure 6**

The value associated with the WVAL (Wastewater Viral Activity Level) is the number of standard deviations above the baseline, transformed to the linear scale. For additional information on wastewater values, please refer to the CDC's webpage: https://www.cdc.gov/nwss/about-data.html.

For additional information and WVAL levels in Mississippi, visit WastewaterSCAN to view different sewage treatment plants than Mississippi's Public Health Lab tests.

Respiratory Outbreaks

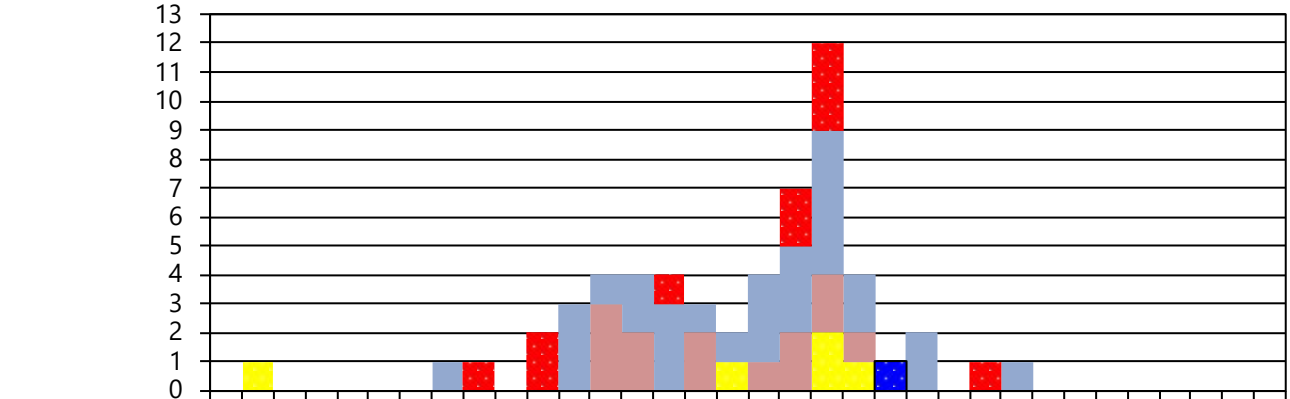
*Outbreaks are reportable in Mississippi as a Class 1A event and must be reported by telephone within **24 hours** of first knowledge or suspicion to the Mississippi State Department of Health. For more information on reportable diseases and conditions, please refer to the* MSDH List of Reportable Diseases and Conditions.

Between week 40 (ending October 4, 2025) and week 16 (ending April 25, 2026), 57 influenza outbreaks were reported to MSDH. MSDH investigates all reported outbreaks, and complete information is available for 57 of the 57 outbreaks. Five outbreaks were attributed to an influenza A/H1 virus, 13 were attributed to an influenza A/H3 virus, 28 were attributed to an influenza A virus with an unknown subtype, one was attributed to an influenza B virus with an unknown subtype, and 10 were attributed to Rapid A/B.

Through week 16, within the reported outbreaks, the overall vaccination rate among facility residents was 68%, and among staff members, 33%. In addition, the percentage of residents that were ill due to influenza was 11%, and among staff members, 2%. The percentage of residents that were hospitalized due to influenza was 2%, and among staff members, 0%.

Influenza outbreaks have occurred in the following counties: Alcorn (1), Attala (1), Carroll (1), Chickasaw (1), Clarke (1), Clay (1), Covington (2), Forrest (3), Franklin (1), Grenada (1), Hancock (1), Harrison (3), Hinds (3), Jackson (2), Jasper (1), Jones (1), Kemper (1), Lafayette (1), Lauderdale (3), Leake (1), Leflore (1), Lowndes (2), Madison (5), Marion (2), Neshoba (2), Newton (1), Noxubee (2), Oktibbeha (2), Panola (1), Pike (2), Rankin (3), Simpson (1), Tate (1), Tunica (1), and Walthall (1). | **Figure 7**

Number of Reported Influenza Outbreaks by Influenza Type and Subtype by Onset Week, Mississippi, 2025-2026 Flu Season (N = 57)

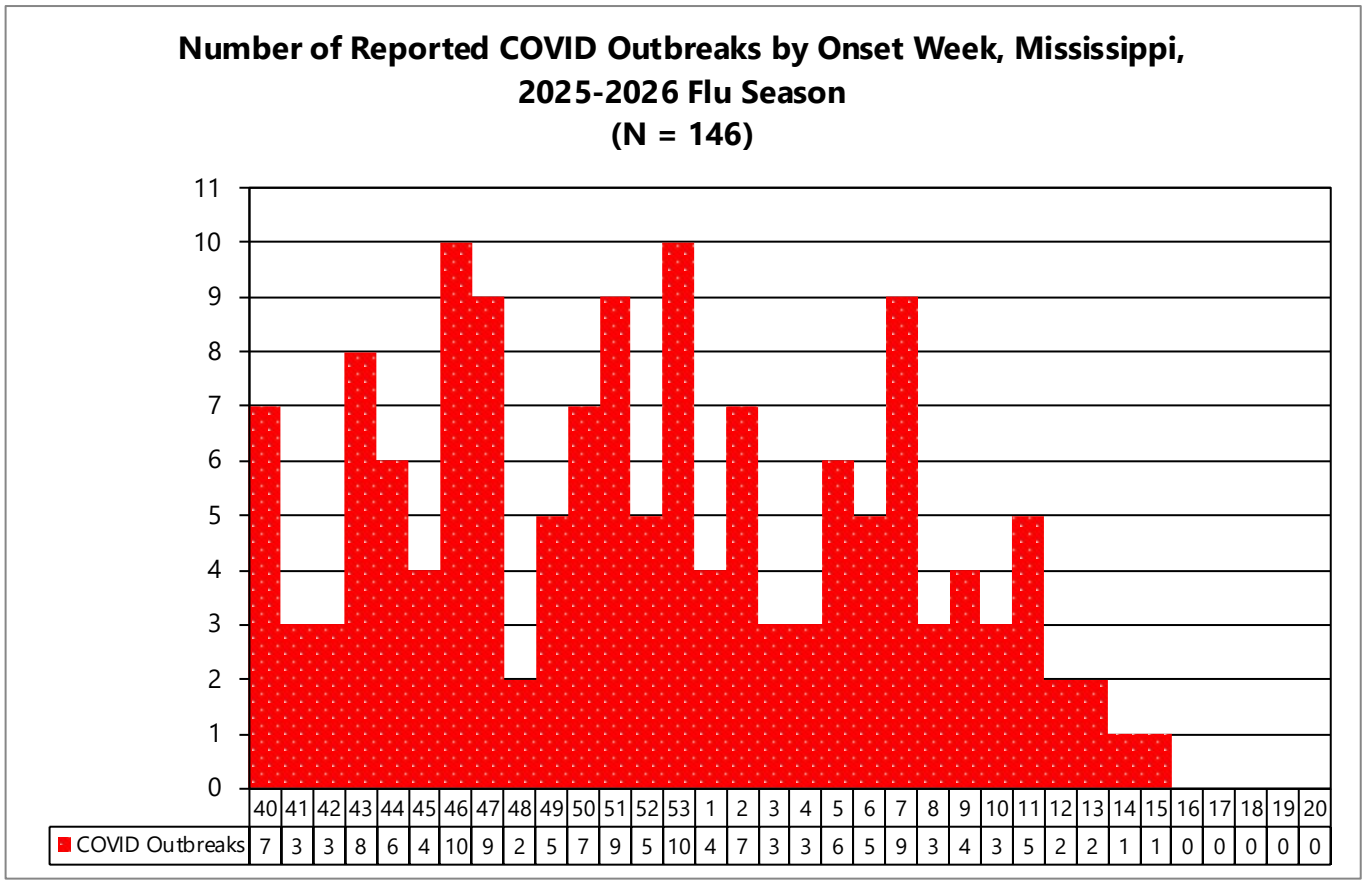


	40	41	42	43	44	45	46	47	48	49	50	51	52	53	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Rapid A/B	0	0	0	0	0	0	0	0	1	0	2	0	0	0	1	0	0	0	2	3	0	0	0	0	1	0	0	0	0	0	0	0	0	0
B/Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
B/Victoria (PCR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B/Yamagata (PCR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A/Unknown	0	0	0	0	0	0	0	1	0	0	0	3	1	2	3	1	1	3	3	5	2	0	2	0	0	1	0	0	0	0	0	0	0	0
A/H3 (PCR)	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	2	0	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
A/H1 (PCR)	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0

For additional information on infection control measures in health care facilities and managing influenza outbreaks in long-term care facilities, please refer to the CDC's webpages: https://www.cdc.gov/flu/professionals/infectioncontrol/index.htm and https://www.cdc.gov/flu/professionals/infectioncontrol/ltc-facility-guidance.htm, respectively.

Between week 40 (ending October 4, 2024) and week 16 (ending April 25, 2026), 146 COVID-19 outbreaks were reported to MSDH.

COVID-19 outbreaks have occurred in the following counties: Adams (1), Alcorn (4), Attala (4), Benton (1), Bolivar (3), Calhoun (4), Chickasaw (4), Choctaw (1), Claiborne (1), Copiah (1), Covington (1), DeSoto (4), Forrest (2), Franklin (1), Greene (2), Grenada (4), Hancock (1), Harrison (3), Hinds (10), Itawamba (1), Jackson (3), Jasper (2), Jefferson (1), Jones (1), Lafayette (5), Lamar (2), Lauderdale (7), Leake (2), Lee (3), Leflore (6), Lowndes (4), Madison (4), Marshall (2), Monroe (3), Montgomery (2), Neshoba (2), Noxubee (1), Oktibbeha (1), Pearl River (1), Pike (1), Pontotoc (4), Prentiss (1), Rankin (3), Scott (2), Simpson (15), Smith (1), Sunflower (5), Tate (1), Warren (1), Washington (1), Webster (3), Wilkinson (2), Yalobusha (1). | **Figure 8**

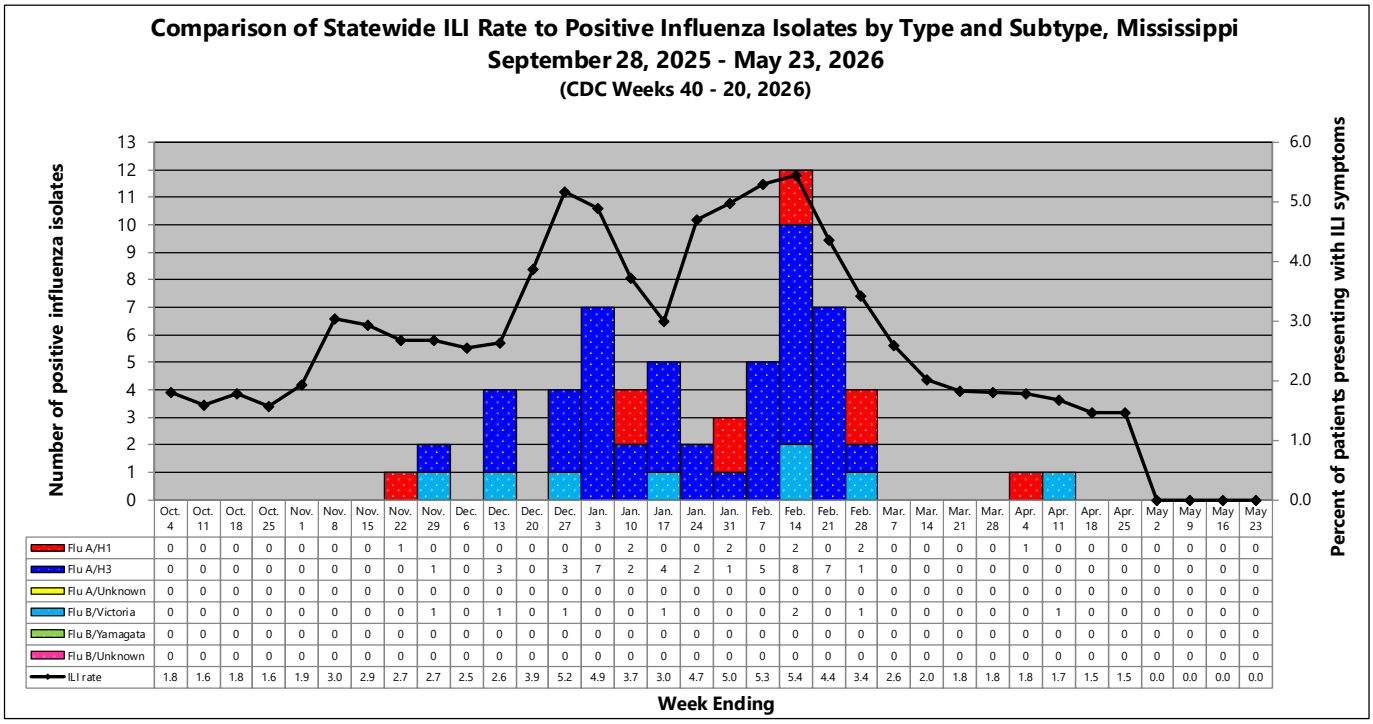


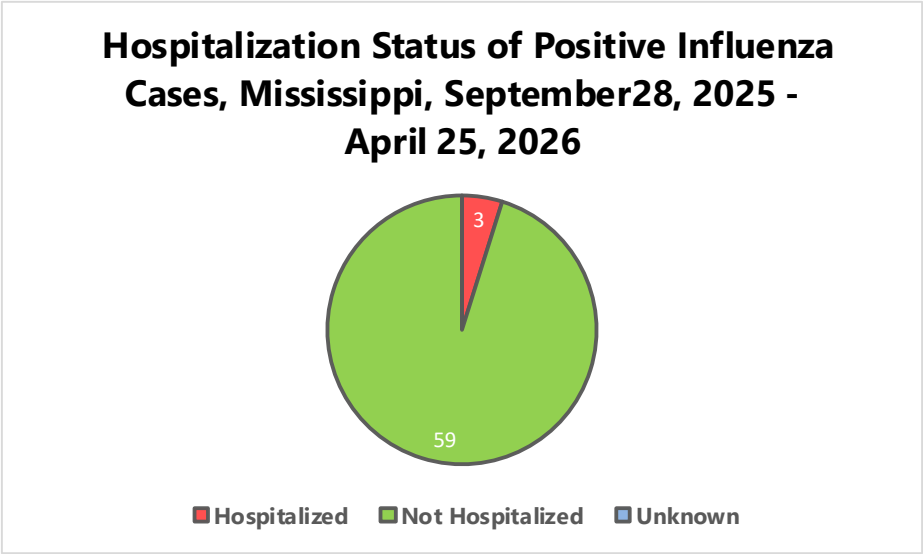
For additional information on infection control measures in health care facilities and managing COVID-19 outbreaks in long-term care facilities, please refer to the CDC's webpages: Viral Respiratory Pathogens Toolkit for Nursing Homes | LTCFs | CDC and Infection Control Guidance: SARS-CoV-2 | COVID-19 | CDC, respectively.

Flu Testing Reports

Between week 40, (week ending October 4, 2025), and week 16 (ending April 25, 2026), 62 laboratory confirmed influenza samples have been identified by the MSDH Public Health Laboratory. 10 (16%) were identified as influenza A/H1, 44 (71%) were identified as influenza A/H3, and eight (13%) were identified as influenza B/Victoria.

The influenza cases were identified from the following counties: Coahoma (1), Forrest (1), Grenada (2), Hancock (2), Harrison (4), Hinds (13), Kemper (1), Lauderdale (2), Leake (1), Leflore (2), Madison (8), Marion (1), Neshoba (1), Newton (2), Oktibbeha (2), Panola (1), Rankin (11), Scott (1), Simpson (2), Tunica (2), Warren (1), and an unknown county (1). | **Figure 9**





Of the 62 positive flu samples, three (5%) of the cases have been hospitalized. | **Figure 10**

National and Mississippi Pediatric Mortality Surveillance

Nationally, **155** influenza-associated pediatric deaths occurring in the 2025-2026 season have been reported to CDC. 36 deaths were associated with influenza A virus (not subtyped), nine deaths were associated with influenza A(H1N1), eight deaths were associated with influenza A(H3), 61 deaths were associated with A(H3N2) viruses, four deaths were associated with influenza B/Victoria virus, and 37 deaths were associated with influenza B virus with no lineage determined.

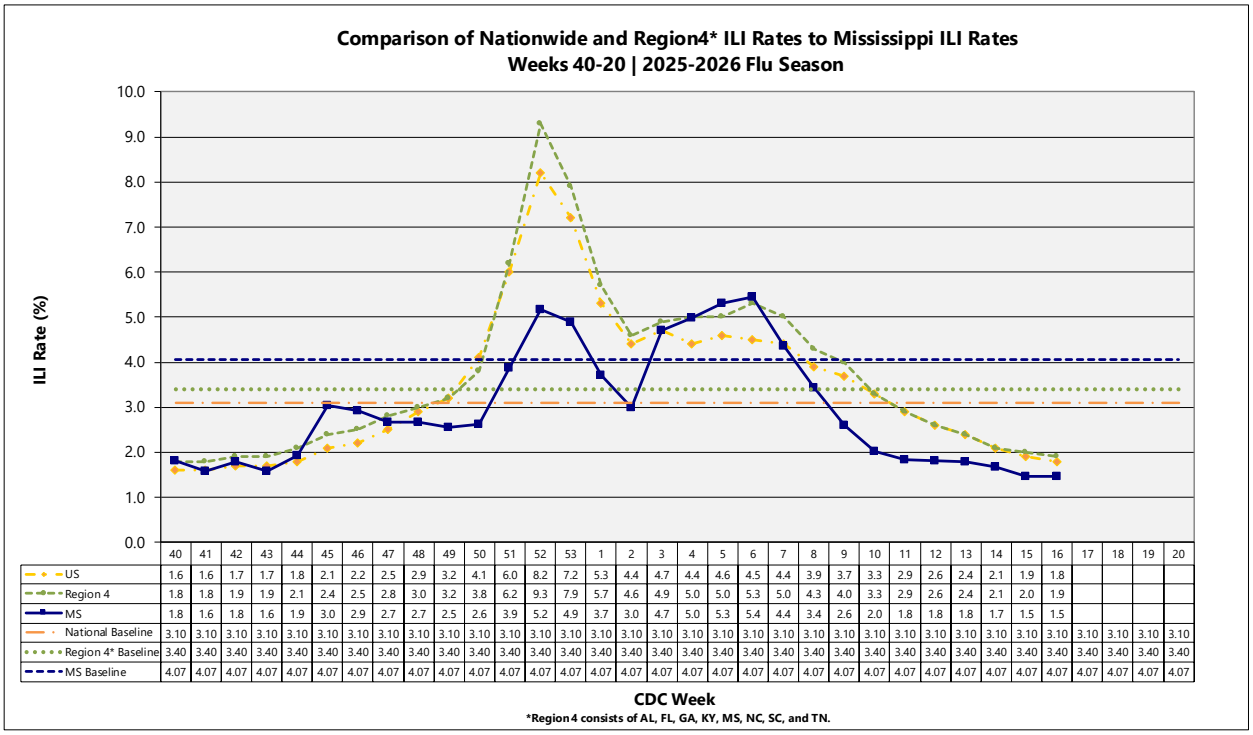
Mississippi has had **one** influenza-associated pediatric death reported during this influenza season.

For additional information on influenza-associated pediatric deaths, please refer to the CDC's FluView

National ILI Surveillance

During week 16, influenza activity decreased in the United States. Of the patients reported through ILINet, 1.8% of patients reported with ILI symptoms. This was lower than week 15 and is below the national baseline (3.1%).

Region 4's ILI rate (Southeast) decreased when compared to the previous week. Mississippi is included in Region 4. | **Figure 11**

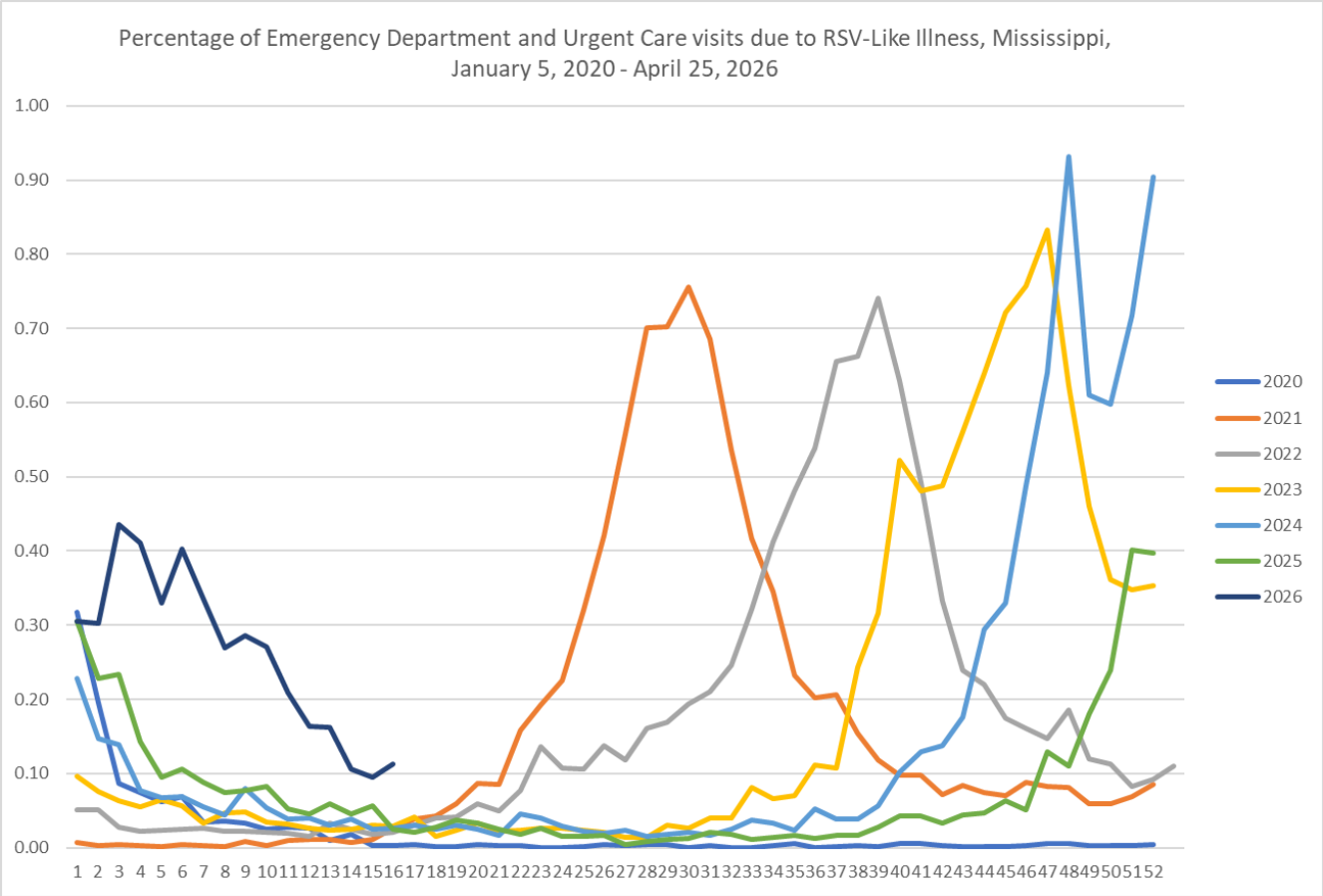


	40	41	42	43	44	45	46	47	48	49	50	51	52	53	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
US	1.6	1.6	1.7	1.7	1.8	2.1	2.2	2.5	2.9	3.2	4.1	6.0	8.2	7.2	5.3	4.4	4.7	4.4	4.6	4.5	4.4	3.9	3.7	3.3	2.9	2.6	2.4	2.1	1.9	1.8				
Region 4	1.8	1.8	1.9	1.9	2.1	2.4	2.5	2.8	3.0	3.2	3.8	6.2	9.3	7.9	5.7	4.6	4.9	5.0	5.0	5.3	5.0	4.3	4.0	3.3	2.9	2.6	2.4	2.1	2.0	1.9				
MS	1.8	1.6	1.8	1.6	1.9	3.0	2.9	2.7	2.7	2.5	2.6	3.9	5.2	4.9	3.7	3.0	4.7	5.0	5.3	5.4	4.4	3.4	2.6	2.0	1.8	1.8	1.8	1.7	1.5	1.5				
National Baseline	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10
Region 4* Baseline	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40
MS Baseline	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07

For additional information on flu activity nationwide, please refer to the CDC's website: http://www.cdc.gov/flu/weekly/fluactivitysurv.htm.

State RSV Surveillance

Respiratory Syncytial Virus (RSV), or Human Orthopneumovirus, is the primary cause of infant hospitalization in the United States due to its' highly contagious nature. RSV creates respiratory tract infections and typically exhibits cold-like symptoms quite similar to COVID, which can make it hard to decipher. Infants and adults 65 years and older are most susceptible to RSV.

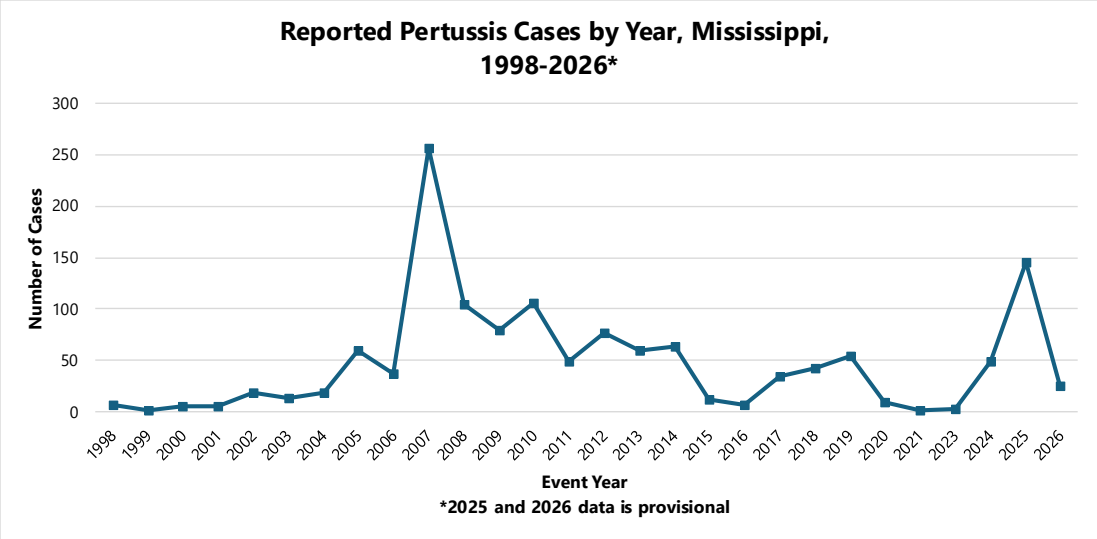


The percentage of patients with a chief complaint or diagnosis of RSV during week **16** increased when compared to the previous week. | **Figure 12**

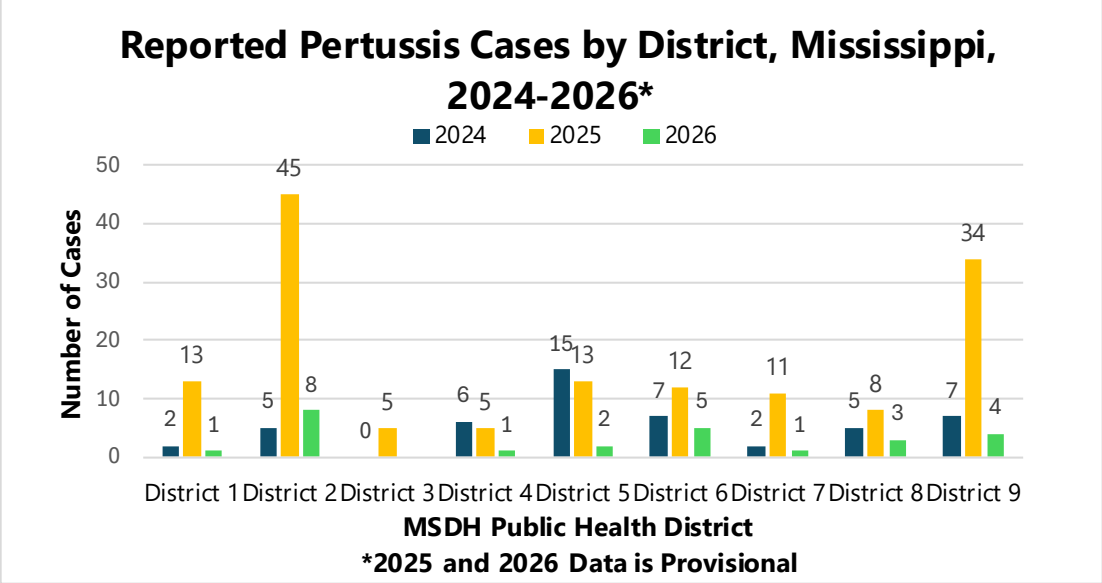
State Pertussis Surveillance

Pertussis, also known as whooping cough, is a highly contagious respiratory disease caused by Bordetella pertussis. It is characterized by severe coughing fits that can lead to difficulty breathing, vomiting, and a distinctive "whooping" sound during inhalation. While it can affect individuals of all ages, infants and young children are particularly vulnerable to severe complications. Pertussis spreads through respiratory droplets and can be prevented through vaccination, typically administered as part of the DTaP or Tdap immunization series. Early diagnosis and antibiotic treatment are key to limiting transmission and reducing symptom severity.

*Pertussis is reportable in Mississippi as a Class 1A event and must be reported by telephone within **24 hours** of first knowledge or suspicion to the Mississippi State Department of Health. For more information on reportable diseases and conditions, please refer to the* MSDH List of Reportable Diseases and Conditions.

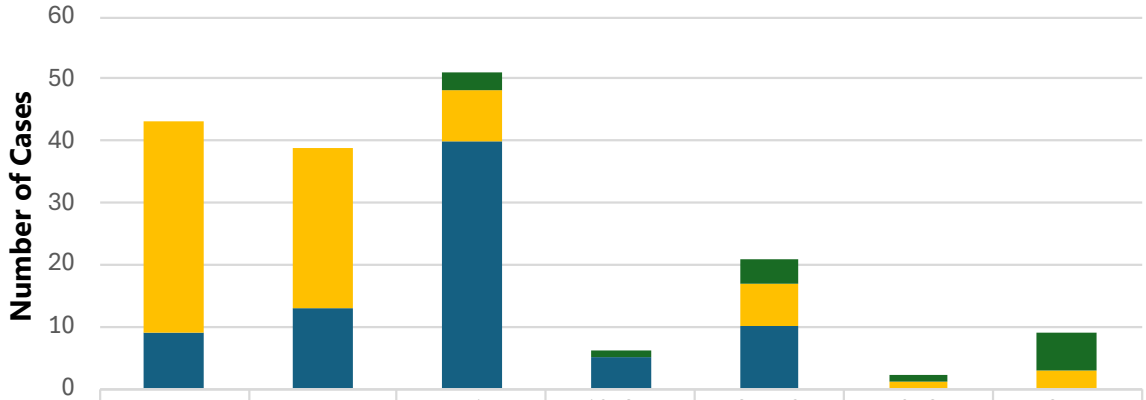


The number of Pertussis cases in 2025 is **146**, which surpasses the past 16 years of cases. The number of Pertussis cases in 2026 is now **25**. | **Figure 13**



Districts **2 and 9** have had the most cases in 2025 to date, with **45 and 34 cases**, respectively. Districts **2, 6, and 9** have had the most cases in 2026 to date, with **8, 5, and 4 cases**, respectively. | **Figure 14**

Reported Pertussis Cases with Pertussis Vaccination by Age Group, Mississippi, 2025-2026*

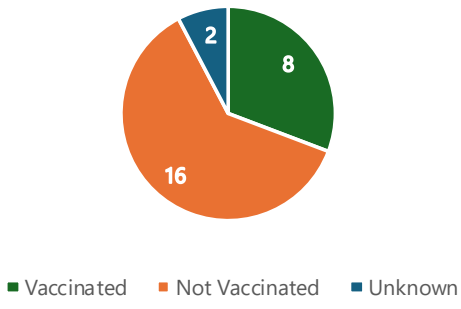


	<1 year	1-4 years	5-17 years	18-24 years	25-49 years	50-64 years	65+ years
Unknown	0	0	3	1	4	1	6
Not Vaccinated	34	26	8	0	7	1	3
Vaccinated	9	13	40	5	10	0	0

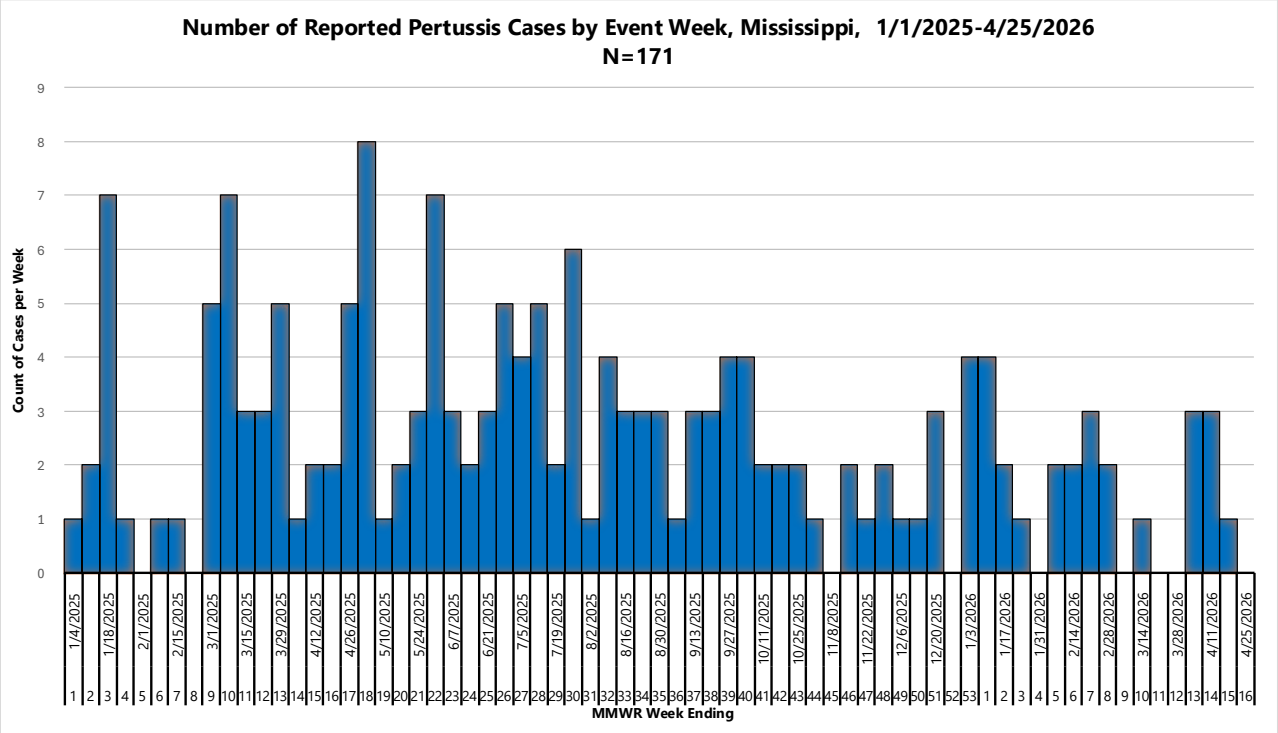
***2025 and 2026 Data is Provisional**

Overall, the number of reported Pertussis cases has been highest among those in the **5-17 years** of age group. In the less than one year old group, **25** of the unvaccinated children were less than 7 months of age, making them ineligible to have had all doses of pertussis-related vaccinations. | **Figure 15**

Vaccination Status of Hospitalized Pertussis Cases, Mississippi, 2025-2026*



Of the 26 hospitalized Pertussis Cases, **16** (61%) of them have not been vaccinated, **8** (31%) have been vaccinated, and **2** (8%) has an unknown vaccination status. | **Figure 16**



There have been **less** Pertussis cases reported this week compared to last week. | **Figure 17**

Additional Respiratory information:

Centers for Disease Control and Prevention	**http://cdc.gov/flu/**
Centers for Disease Control and Prevention FluView	**http://www.cdc.gov/flu/weekly/**
MSDH Flu	**http://msdh.ms.gov/msdhsite/_static/14,0,199.html**
World Health Organization FluNet	**https://www.who.int/tools/flunet/flunet-summary**

Appendix

Figure 1

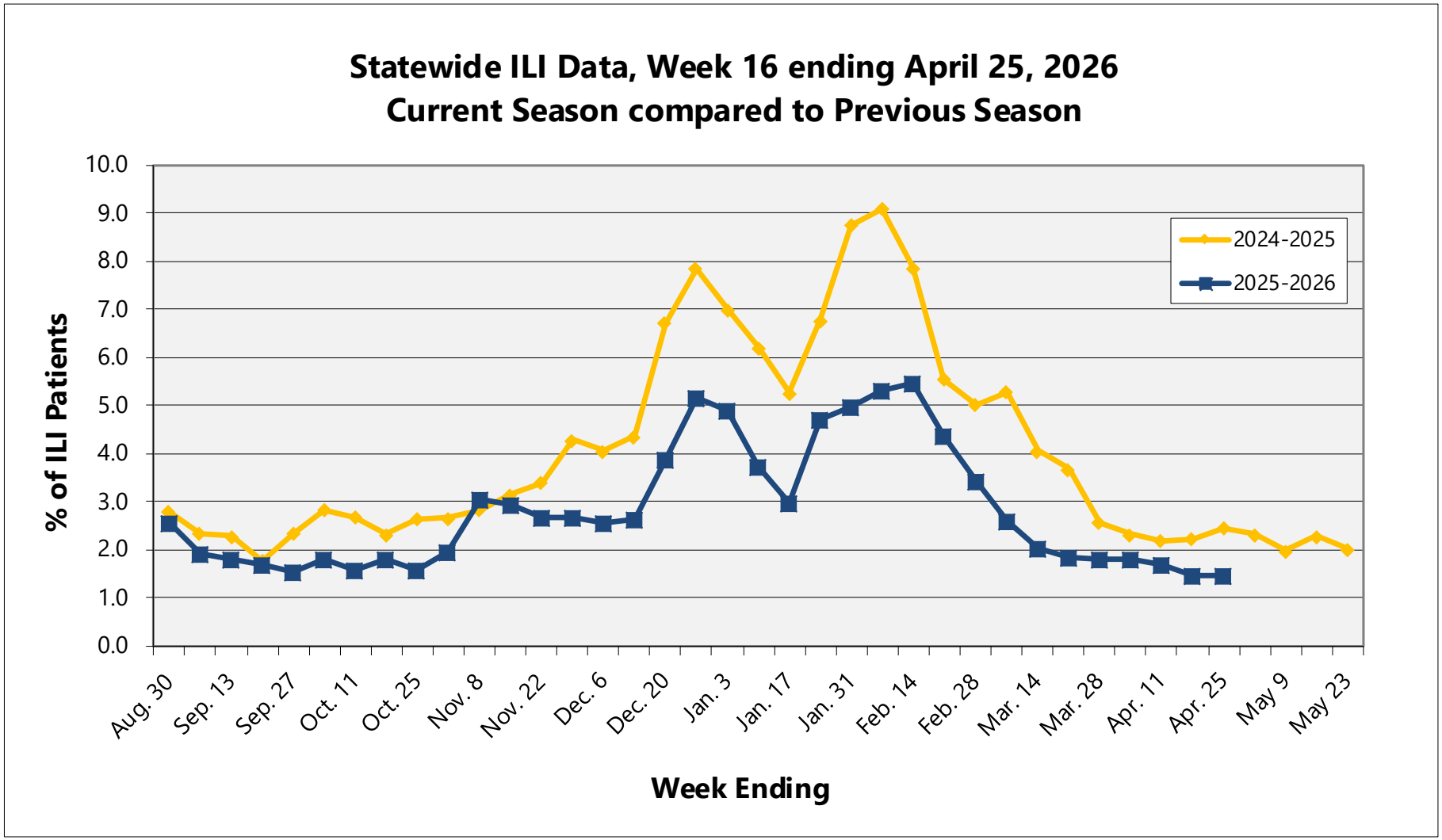


Figure 2

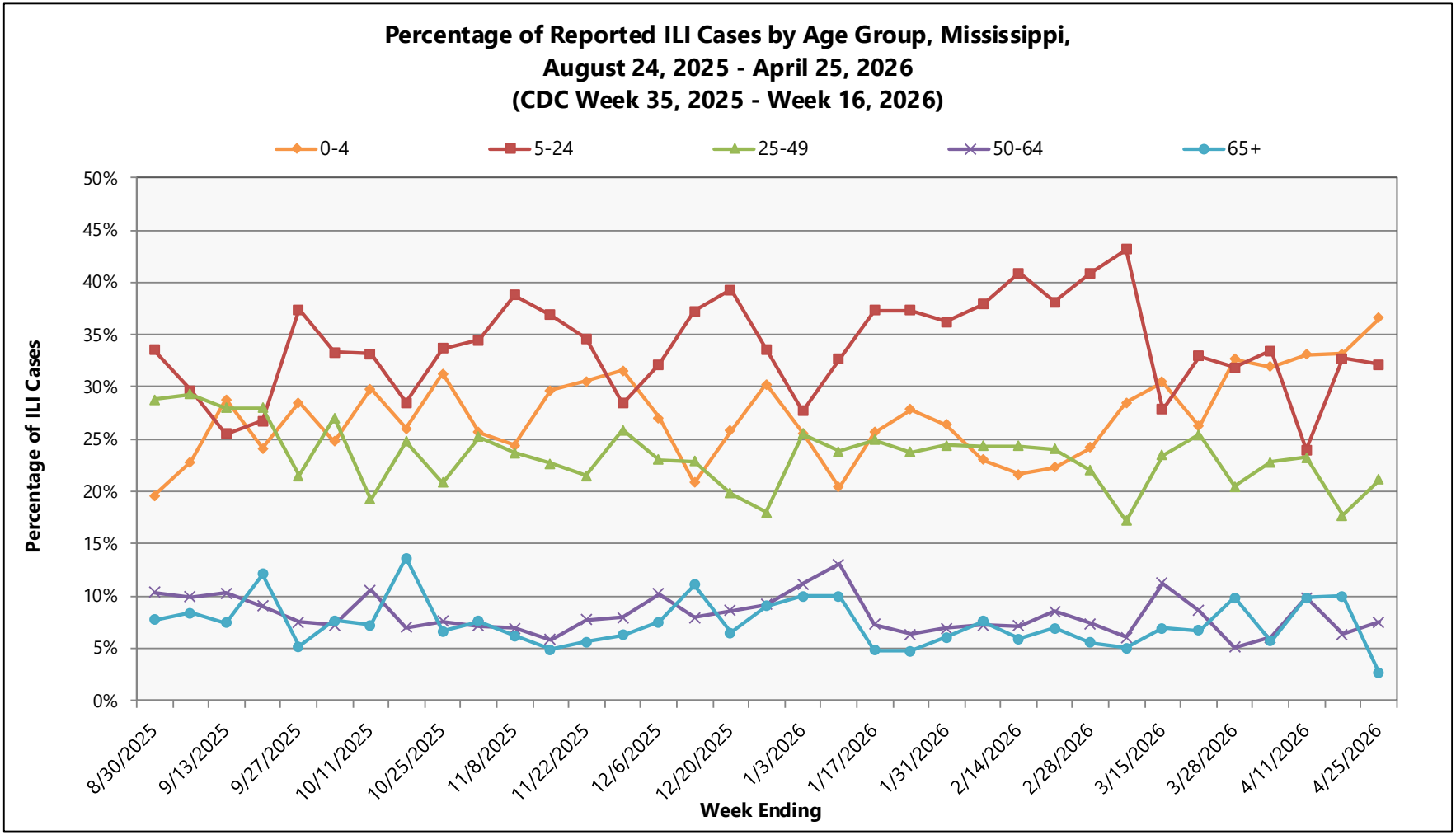

Percentage of Reported ILI Cases by Age Group, Mississippi,
August 24, 2025 - April 25, 2026
(CDC Week 35, 2025 - Week 16, 2026)
0-4
5-24
25-49
50-64
65+
Percentage of ILI Cases
50%
45%
40%
35%
30%
25%
20%
15%
10%
5%
0%
8/30/2025
9/13/2025
9/27/2025
10/11/2025
10/25/2025
11/8/2025
11/22/2025
12/6/2025
12/20/2025
1/3/2026
1/17/2026
1/31/2026
2/14/2026
2/28/2026
3/15/2026
3/28/2026
4/11/2026
4/25/2026
Week Ending

Figure 3

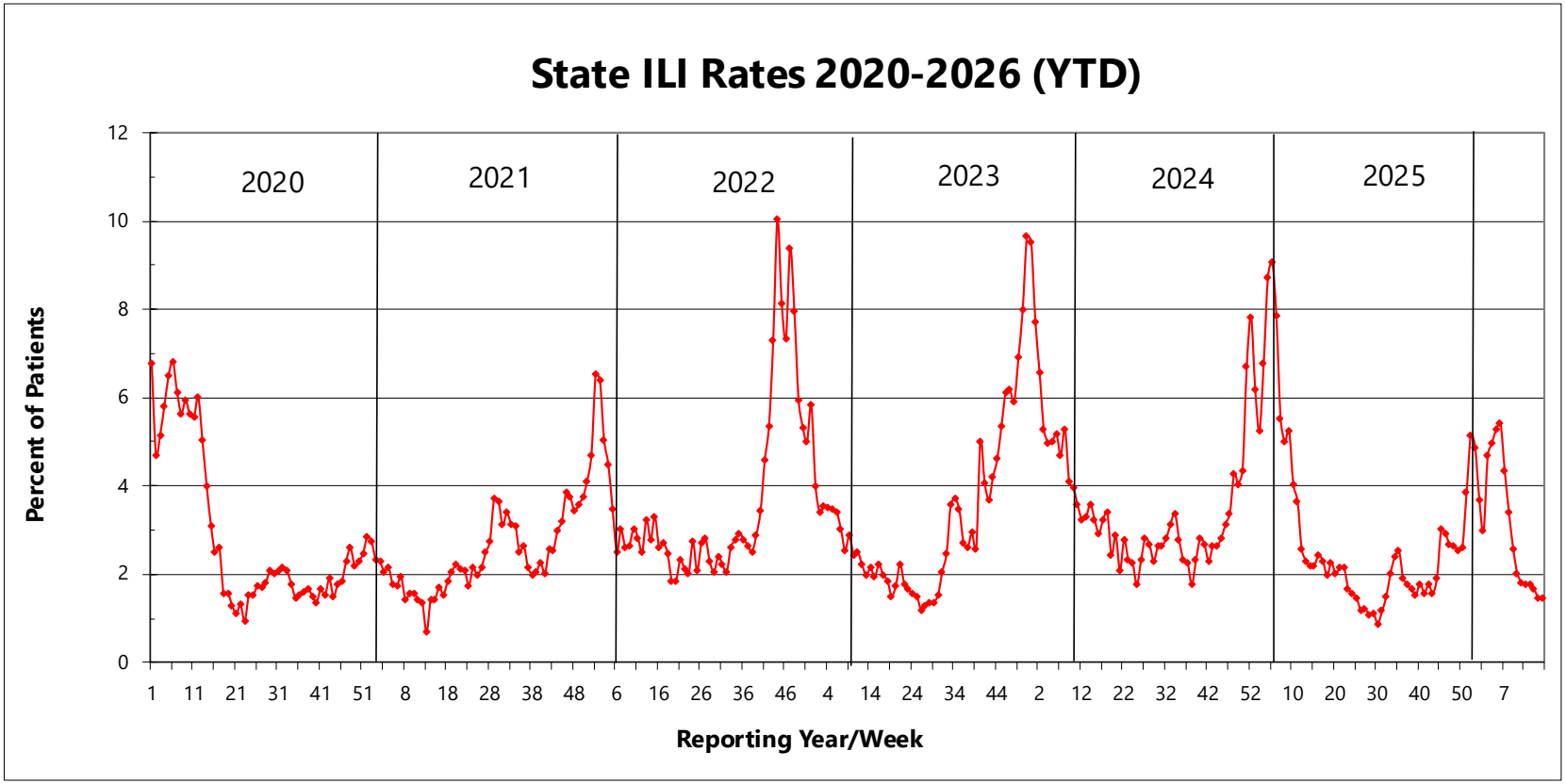

State ILI Rates 2020-2026 (YTD)
Percent of Patients
0
2
4
6
8
10
12
2020
2021
2022
2023
2024
2025
1 11 21 31 41 51 8 18 28 38 48 6 16 26 36 46 4 14 24 34 44 2 12 22 32 42 52 10 20 30 40 50 7
Reporting Year/Week

Figure 4

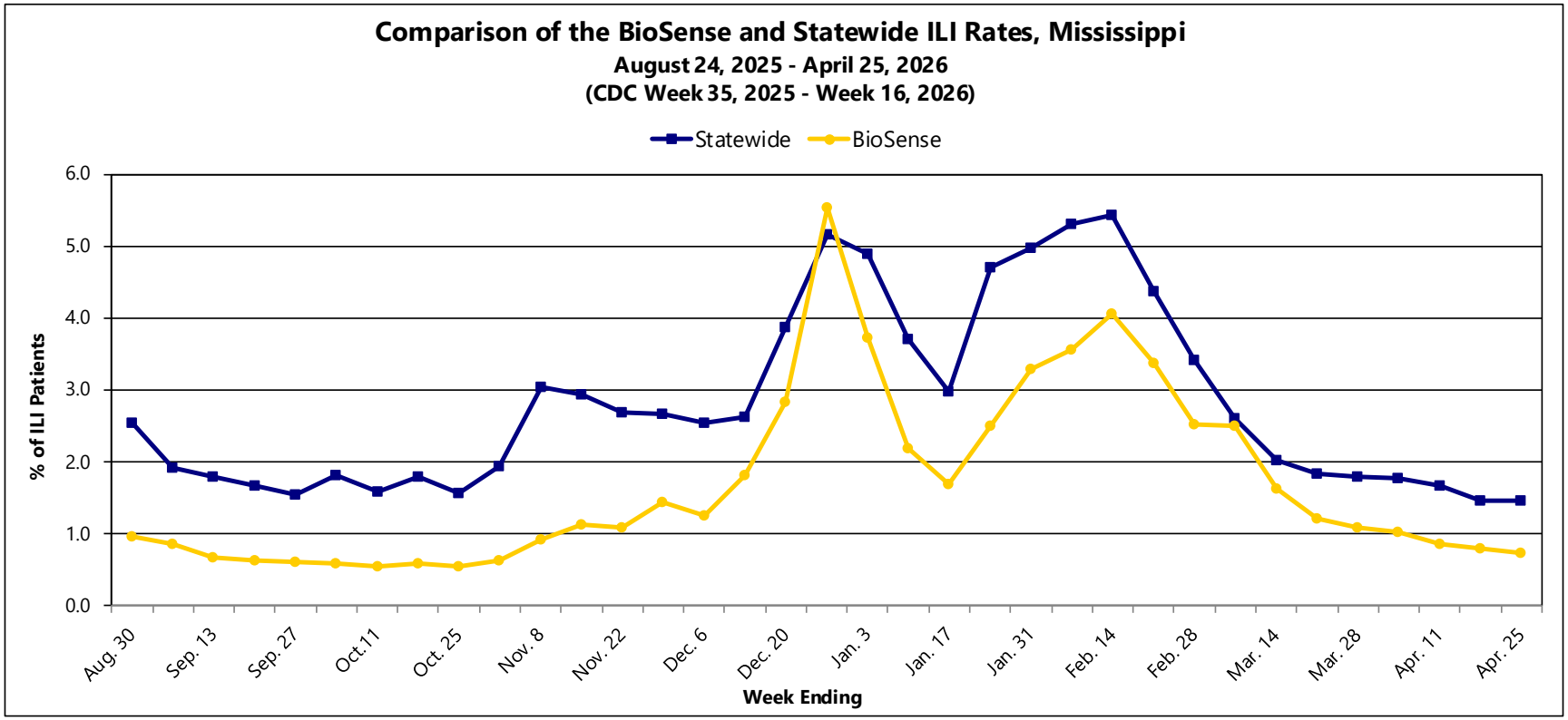

Comparison of the BioSense and Statewide ILI Rates, Mississippi
August 24, 2025 - April 25, 2026
(CDC Week 35, 2025 - Week 16, 2026)
Statewide
BioSense
% of ILI Patients
6.0
5.0
4.0
3.0
2.0
1.0
0.0
Aug. 30
Sep. 13
Sep. 27
Oct. 11
Oct. 25
Nov. 8
Nov. 22
Dec. 6
Dec. 20
Jan. 3
Jan. 17
Jan. 31
Feb. 14
Feb. 28
Mar. 14
Mar. 28
Apr. 11
Apr. 25
Week Ending

Figure 5

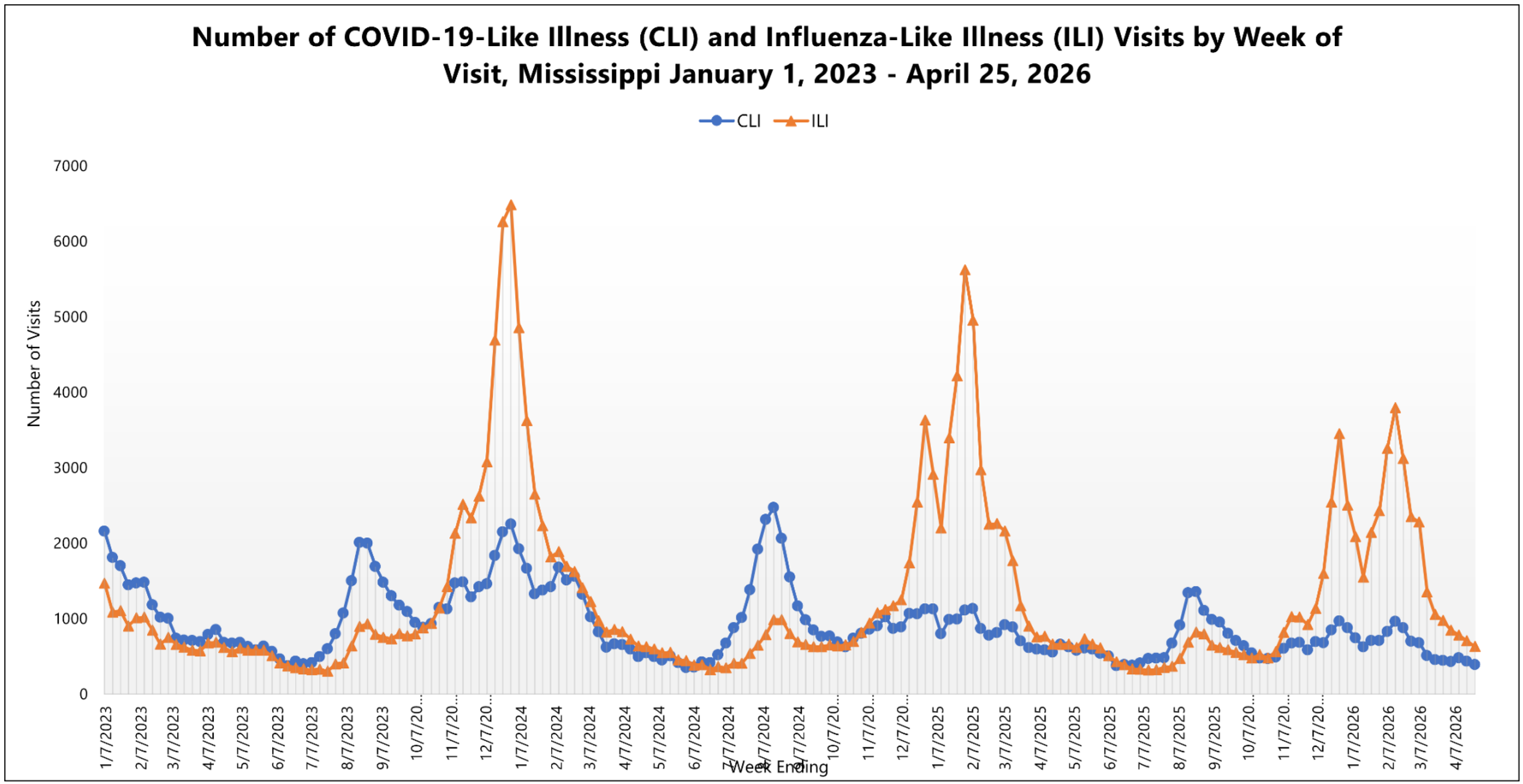

Number of COVID-19-Like Illness (CLI) and Influenza-Like Illness (ILI) Visits by Week of Visit, Mississippi January 1, 2023 - April 25, 2026
CLI
ILI
Number of Visits
7000
6000
5000
4000
3000
2000
1000
0
1/7/2023
2/7/2023
3/7/2023
4/7/2023
5/7/2023
6/7/2023
7/7/2023
8/7/2023
9/7/2023
10/7/20...
11/7/20...
12/7/20...
1/7/2024
2/7/2024
3/7/2024
4/7/2024
5/7/2024
6/7/2024
7/7/2024
8/7/2024
9/7/2024
10/7/20...
11/7/20...
12/7/20...
1/7/2025
2/7/2025
3/7/2025
4/7/2025
5/7/2025
6/7/2025
7/7/2025
8/7/2025
9/7/2025
10/7/20...
11/7/20...
12/7/20...
1/7/2026
2/7/2026
3/7/2026
4/7/2026
Week Ending

Figure 6

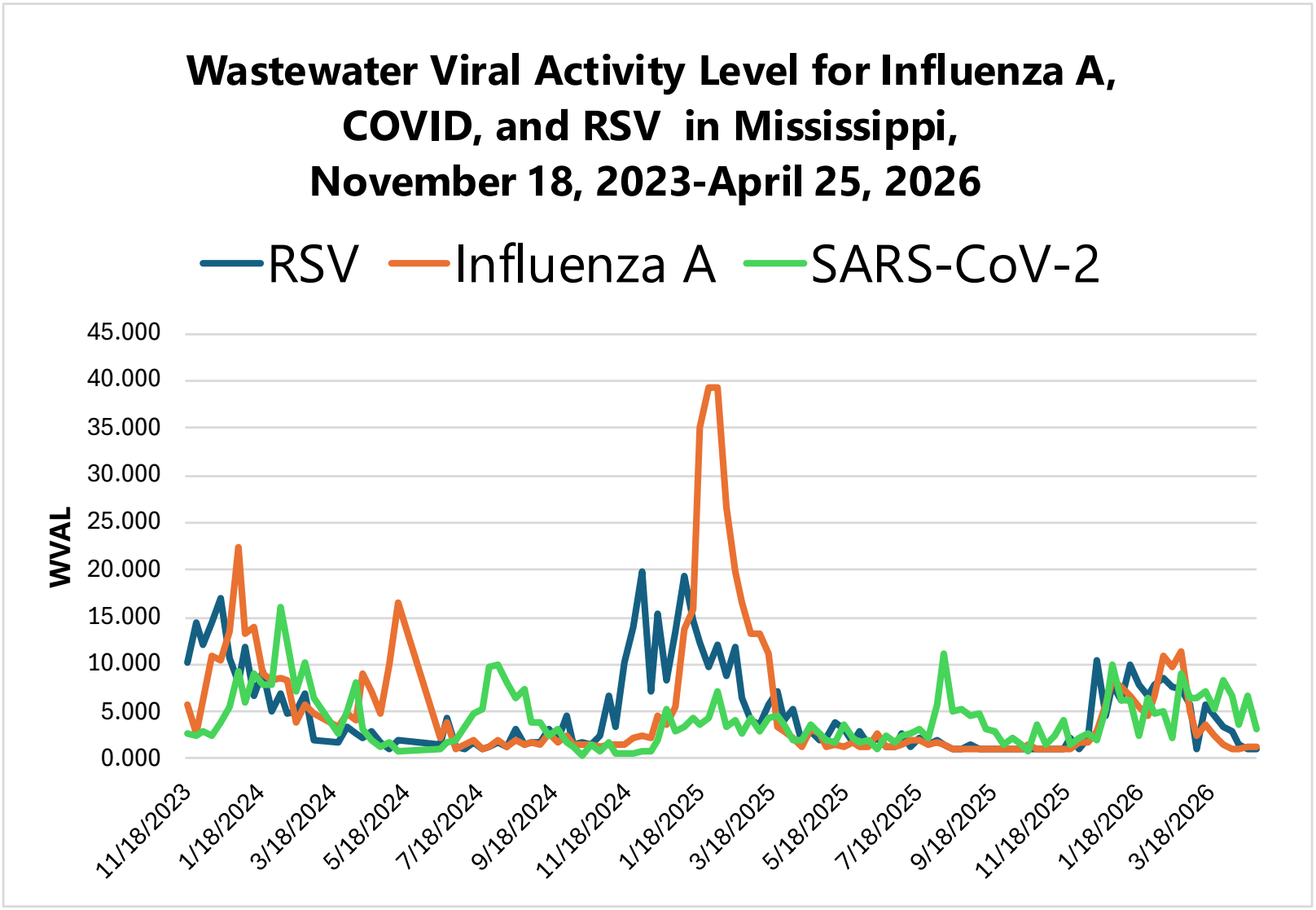
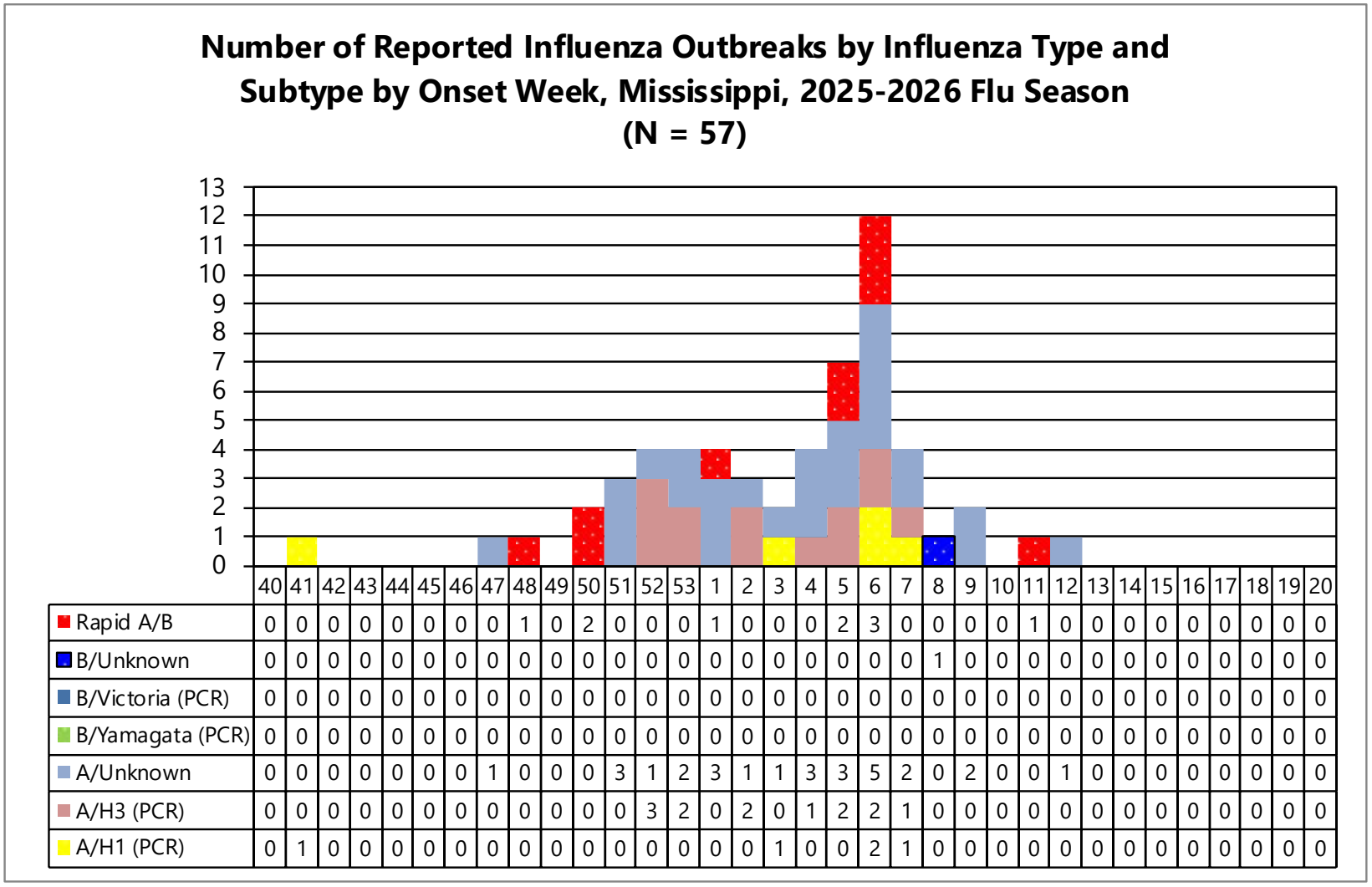

Wastewater Viral Activity Level for Influenza A, COVID, and RSV in Mississippi, November 18, 2023-April 25, 2026
RSV
Influenza A
SARS-CoV-2
WVAL
45.000
40.000
35.000
30.000
25.000
20.000
15.000
10.000
5.000
0.000
11/18/2023
1/18/2024
3/18/2024
5/18/2024
7/18/2024
9/18/2024
11/18/2024
1/18/2025
3/18/2025
5/18/2025
7/18/2025
9/18/2025
11/18/2025
1/18/2026
3/18/2026

Figure 7



	40	41	42	43	44	45	46	47	48	49	50	51	52	53	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Rapid A/B	0	0	0	0	0	0	0	0	1	0	2	0	0	0	1	0	0	0	2	3	0	0	0	0	1	0	0	0	0	0	0	0	0	0
B/Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
B/Victoria (PCR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B/Yamagata (PCR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A/Unknown	0	0	0	0	0	0	0	1	0	0	0	3	1	2	3	1	1	3	3	5	2	0	2	0	0	1	0	0	0	0	0	0	0	0
A/H3 (PCR)	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	2	0	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
A/H1 (PCR)	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0

Figure 8

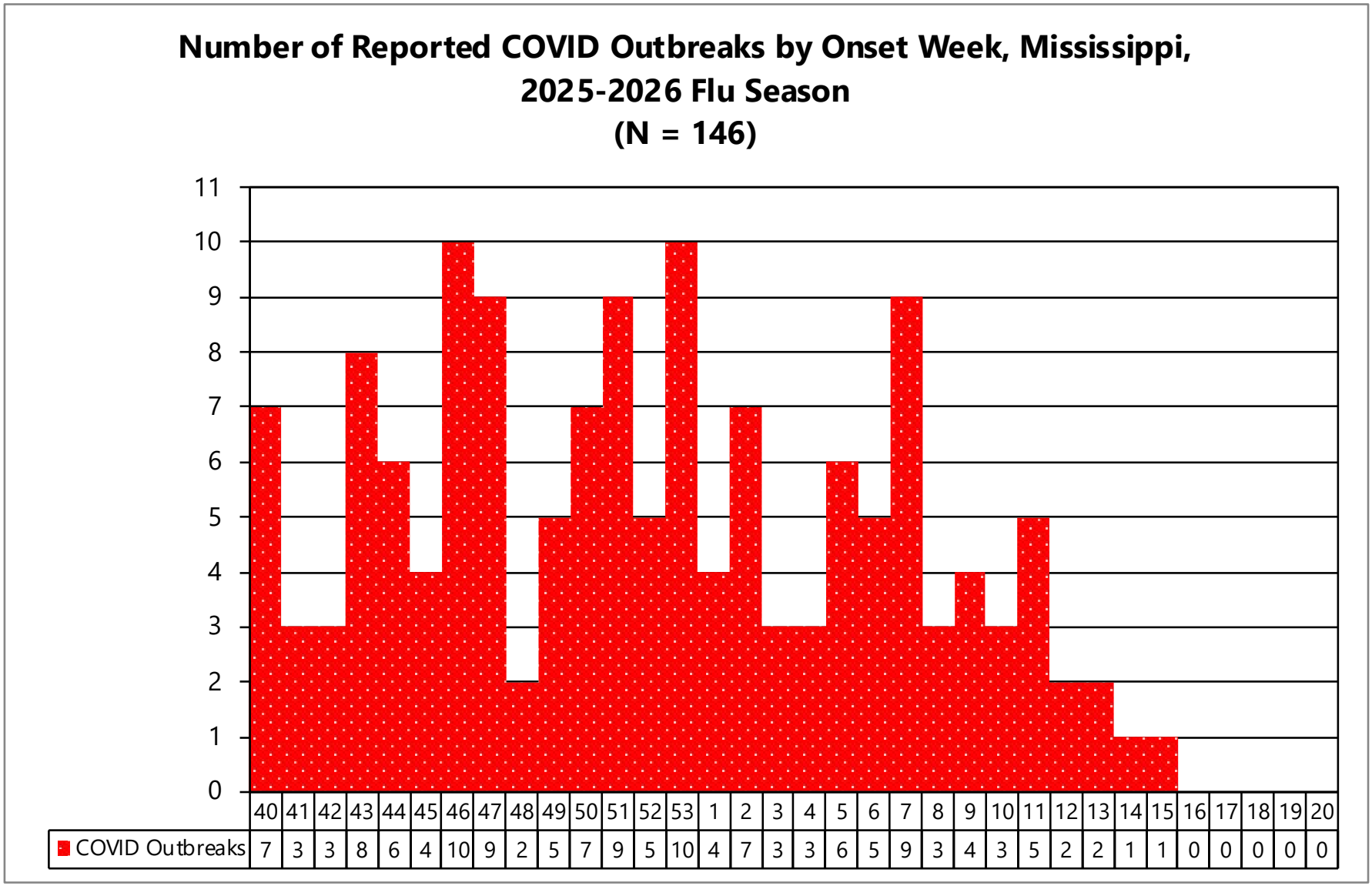
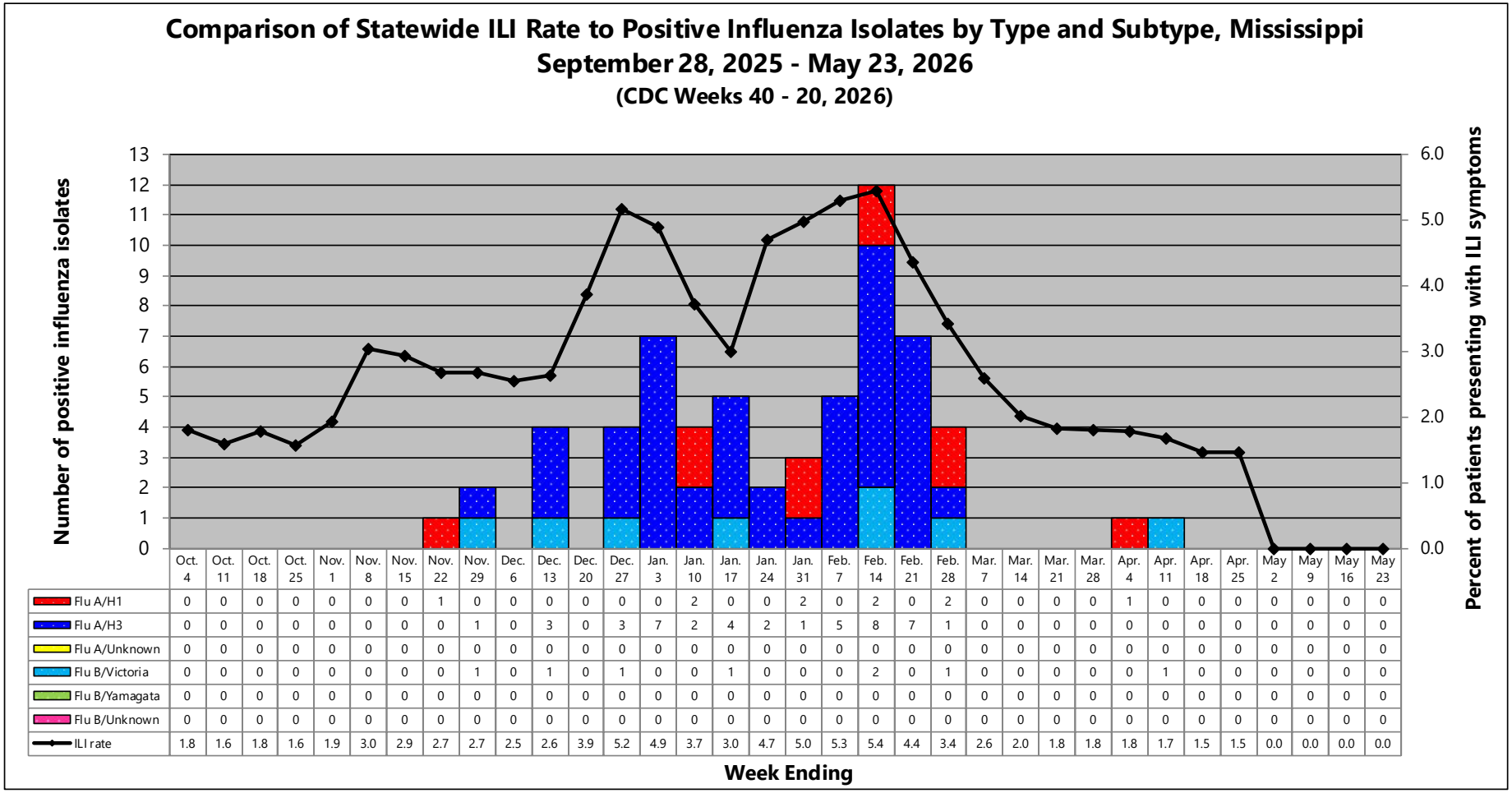

Number of Reported COVID Outbreaks by Onset Week, Mississippi, 2025-2026 Flu Season (N = 146)
11
10
9
8
7
6
5
4
3
2
1
0
40 41 42 43 44 45 46 47 48 49 50 51 52 53 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
COVID Outbreaks 7 3 3 8 6 4 10 9 2 5 7 9 5 10 4 7 3 3 6 5 9 3 4 3 5 2 2 1 1 0 0 0 0 0

Figure 9



	Oct. 4	Oct. 11	Oct. 18	Oct. 25	Nov. 1	Nov. 8	Nov. 15	Nov. 22	Nov. 29	Dec. 6	Dec. 13	Dec. 20	Dec. 27	Jan. 3	Jan. 10	Jan. 17	Jan. 24	Jan. 31	Feb. 7	Feb. 14	Feb. 21	Feb. 28	Mar. 7	Mar. 14	Mar. 21	Mar. 28	Apr. 4	Apr. 11	Apr. 18	Apr. 25	May 2	May 9	May 16	May 23
Flu A/H1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0	2	0	2	0	2	0	0	0	0	1	0	0	0	0	0	0	0
Flu A/H3	0	0	0	0	0	0	0	0	1	0	3	0	3	7	2	4	2	1	5	8	7	1	0	0	0	0	0	0	0	0	0	0	0	0
Flu A/Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Flu B/Victoria	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	1	0	0	0	2	0	1	0	0	0	0	0	1	0	0	0	0	0	0
Flu B/Yamagata	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Flu B/Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ILI rate	1.8	1.6	1.8	1.6	1.9	3.0	2.9	2.7	2.7	2.5	2.6	3.9	5.2	4.9	3.7	3.0	4.7	5.0	5.3	5.4	4.4	3.4	2.6	2.0	1.8	1.8	1.8	1.7	1.5	1.5	0.0	0.0	0.0	0.0

Figure 10

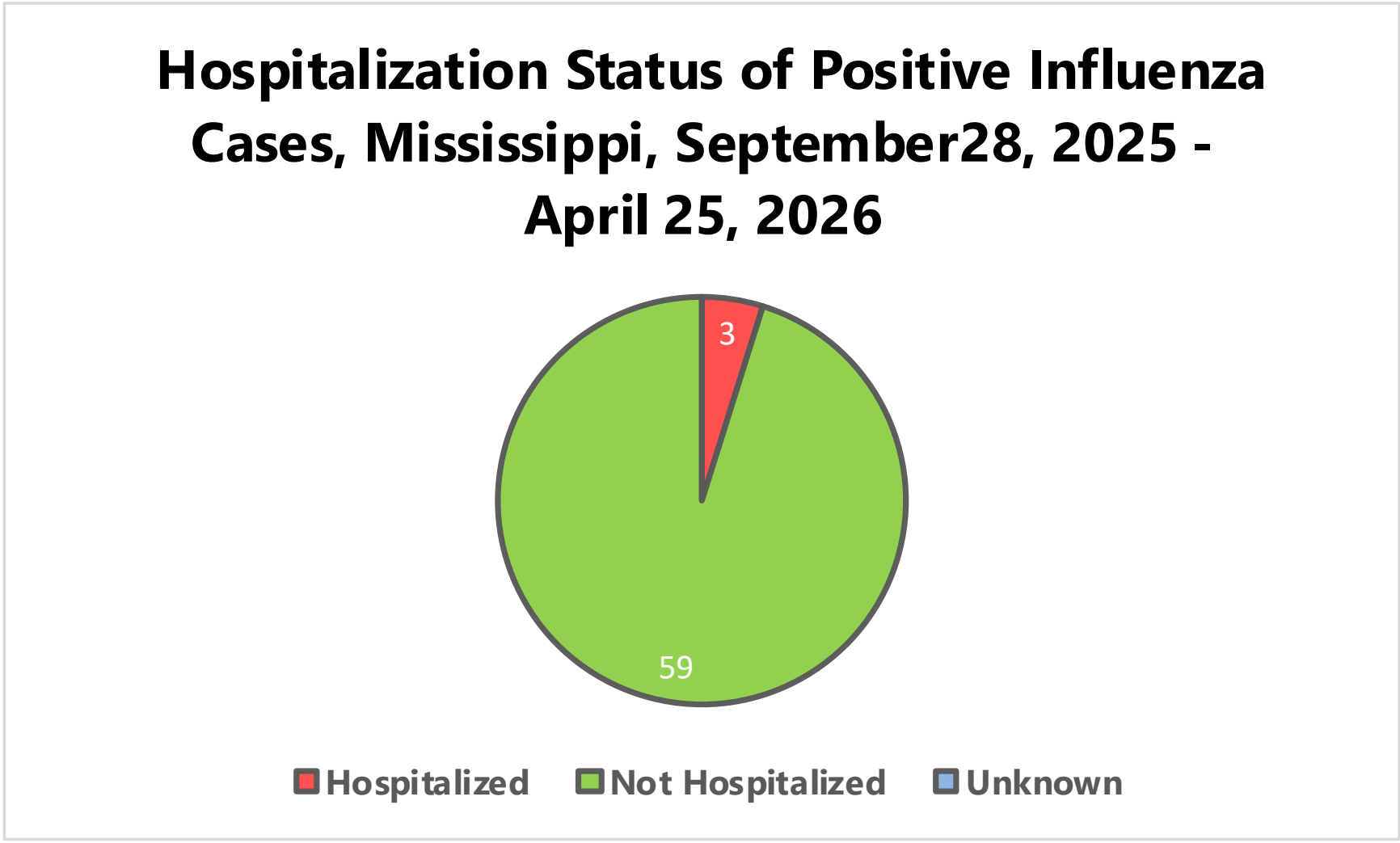
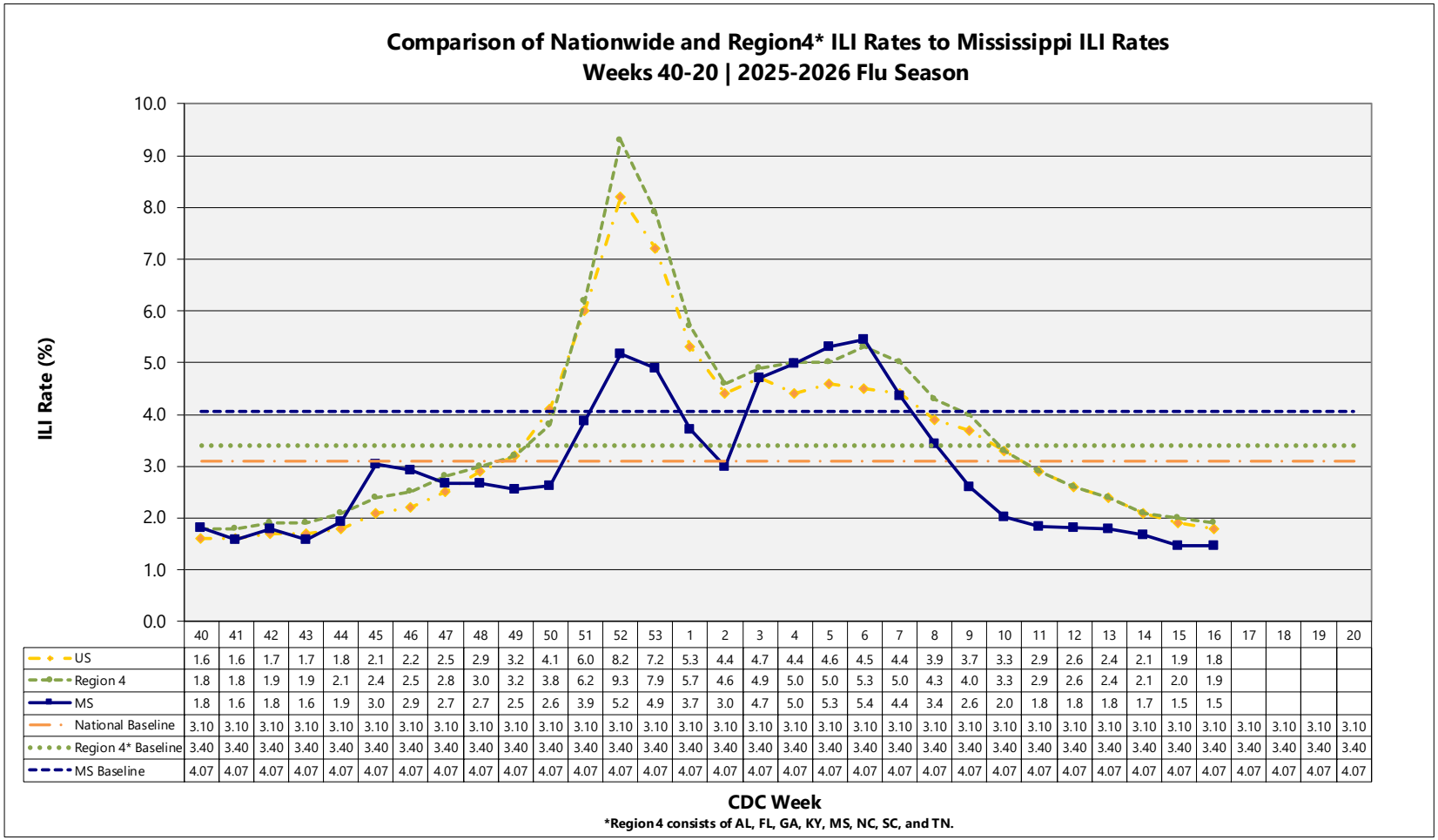

Hospitalization Status of Positive Influenza Cases, Mississippi, September28, 2025 - April 25, 2026
3
59
Hospitalized
Not Hospitalized
Unknown

Figure 11



	40	41	42	43	44	45	46	47	48	49	50	51	52	53	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
US	1.6	1.6	1.7	1.7	1.8	2.1	2.2	2.5	2.9	3.2	4.1	6.0	8.2	7.2	5.3	4.4	4.7	4.4	4.6	4.5	4.4	3.9	3.7	3.3	2.9	2.6	2.4	2.1	1.9	1.8				
Region 4	1.8	1.8	1.9	1.9	2.1	2.4	2.5	2.8	3.0	3.2	3.8	6.2	9.3	7.9	5.7	4.6	4.9	5.0	5.0	5.3	5.0	4.3	4.0	3.3	2.9	2.6	2.4	2.1	2.0	1.9				
MS	1.8	1.6	1.8	1.6	1.9	3.0	2.9	2.7	2.7	2.5	2.6	3.9	5.2	4.9	3.7	3.0	4.7	5.0	5.3	5.4	4.4	3.4	2.6	2.0	1.8	1.8	1.8	1.7	1.5	1.5				
National Baseline	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10
Region 4* Baseline	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40
MS Baseline	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07

Figure 12

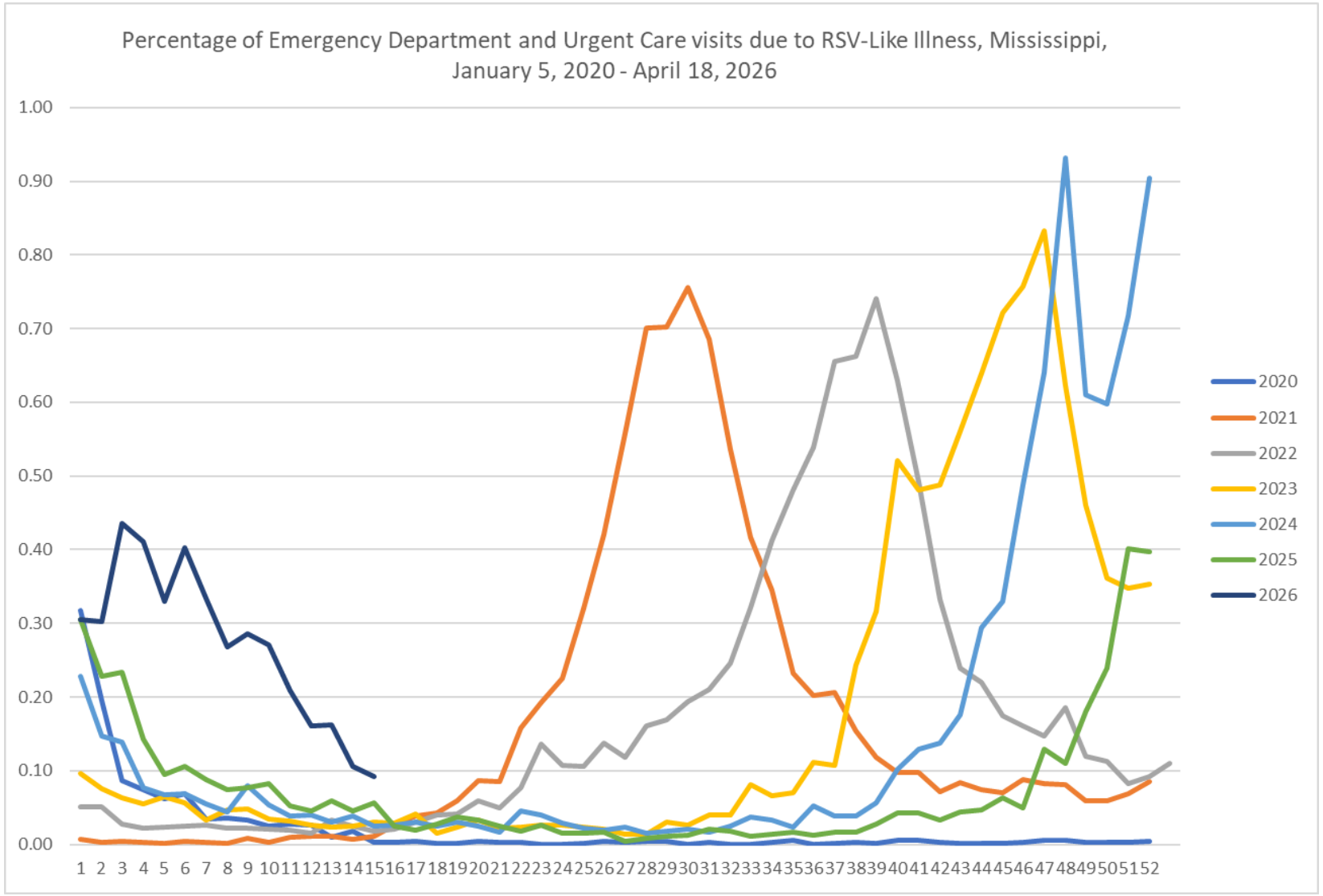

Percentage of Emergency Department and Urgent Care visits due to RSV-Like Illness, Mississippi, January 5, 2020 - April 18, 2026
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52
2020
2021
2022
2023
2024
2025
2026

Figure 13

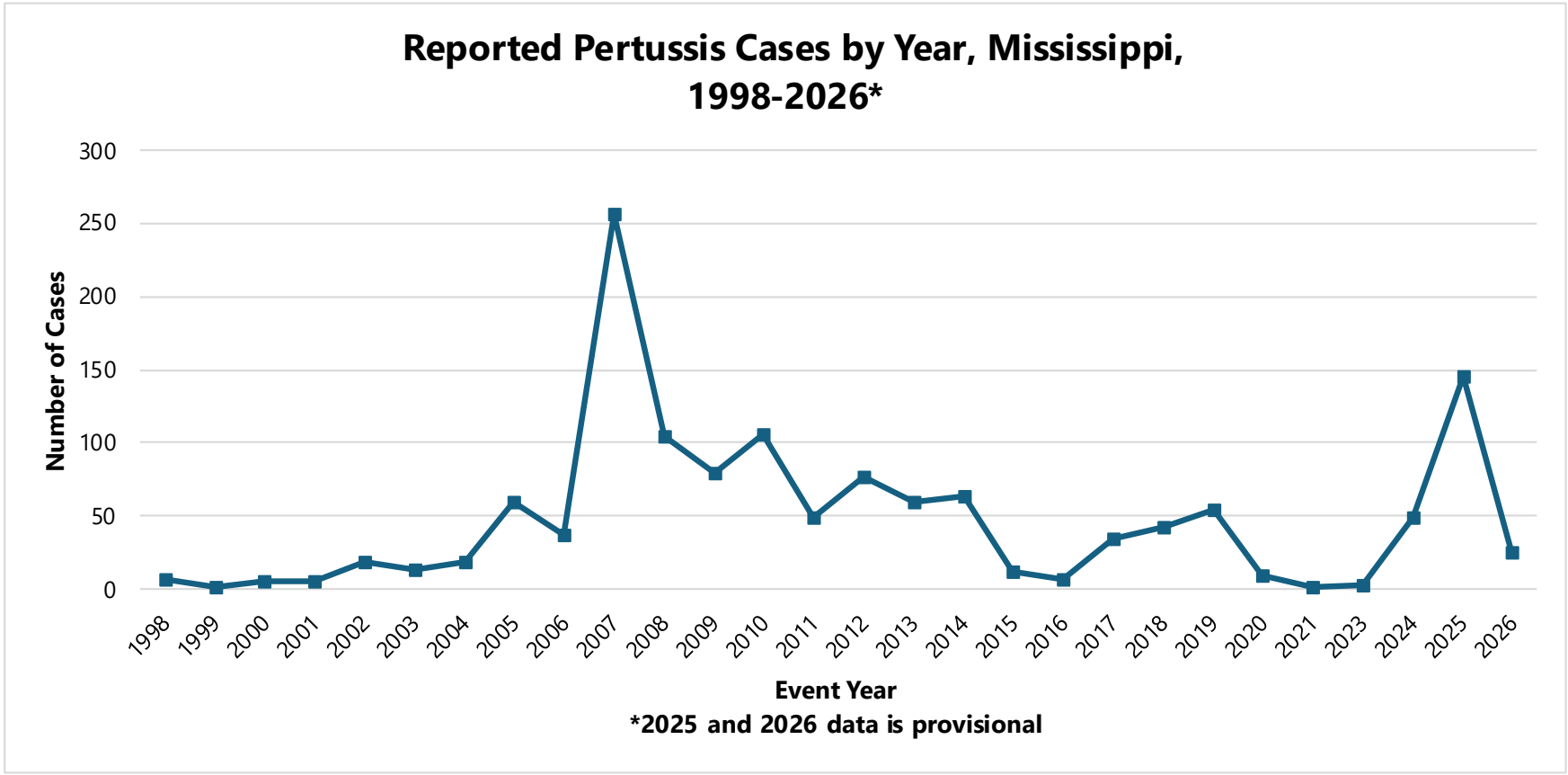

Reported Pertussis Cases by Year, Mississippi, 1998-2026*
Number of Cases
300
250
200
150
100
50
0
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2023
2024
2025
2026
Event Year
*2025 and 2026 data is provisional

Figure 14

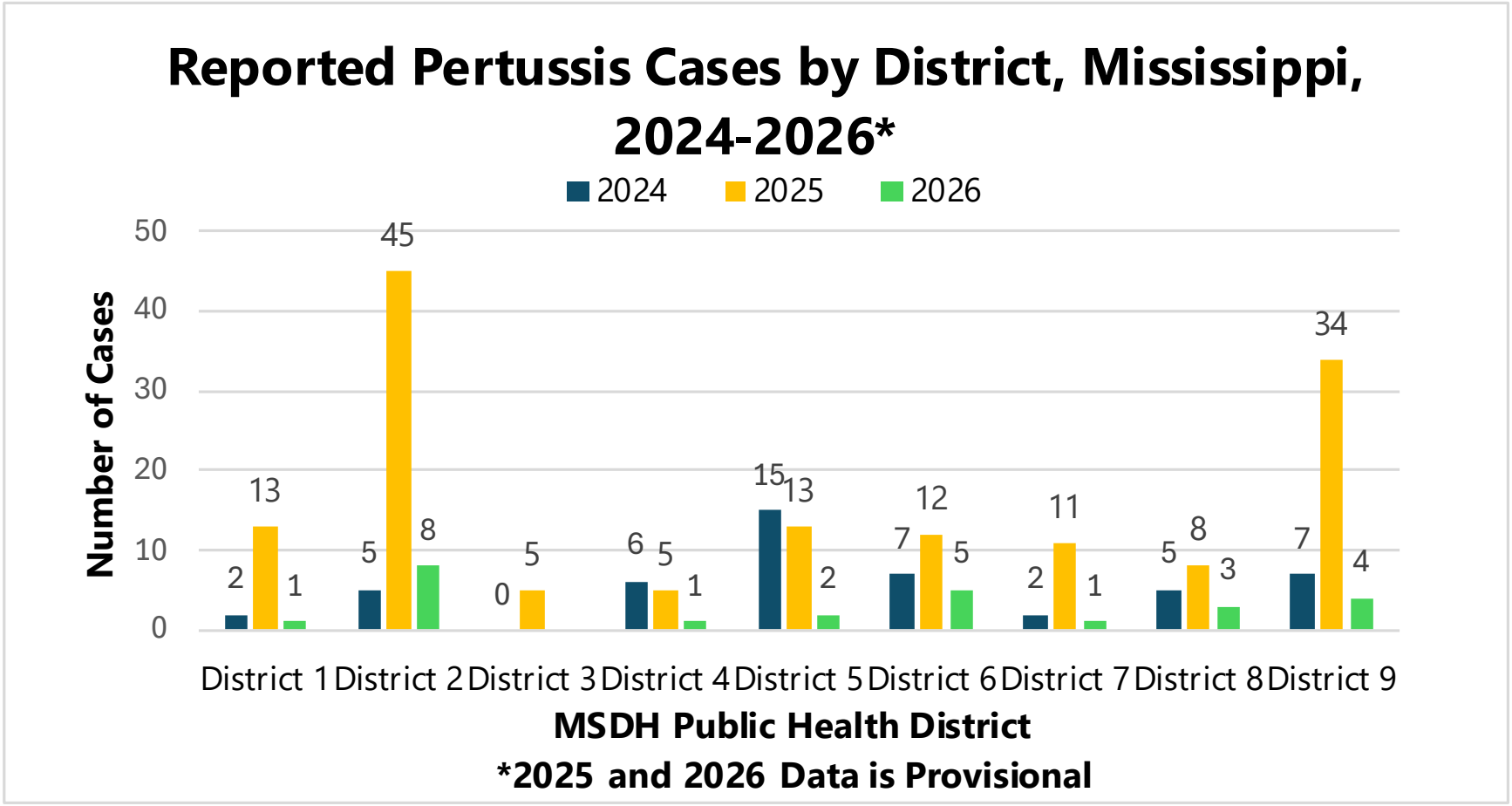

Reported Pertussis Cases by District, Mississippi, 2024-2026*
2024
2025
2026
Number of Cases
50
40
30
20
10
0
2
13
1
5
45
8
0
5
6
5
1
15
13
2
7
12
5
2
11
1
5
8
3
7
34
4
District 1
District 2
District 3
District 4
District 5
District 6
District 7
District 8
District 9
MSDH Public Health District
*2025 and 2026 Data is Provisional

Figure 15

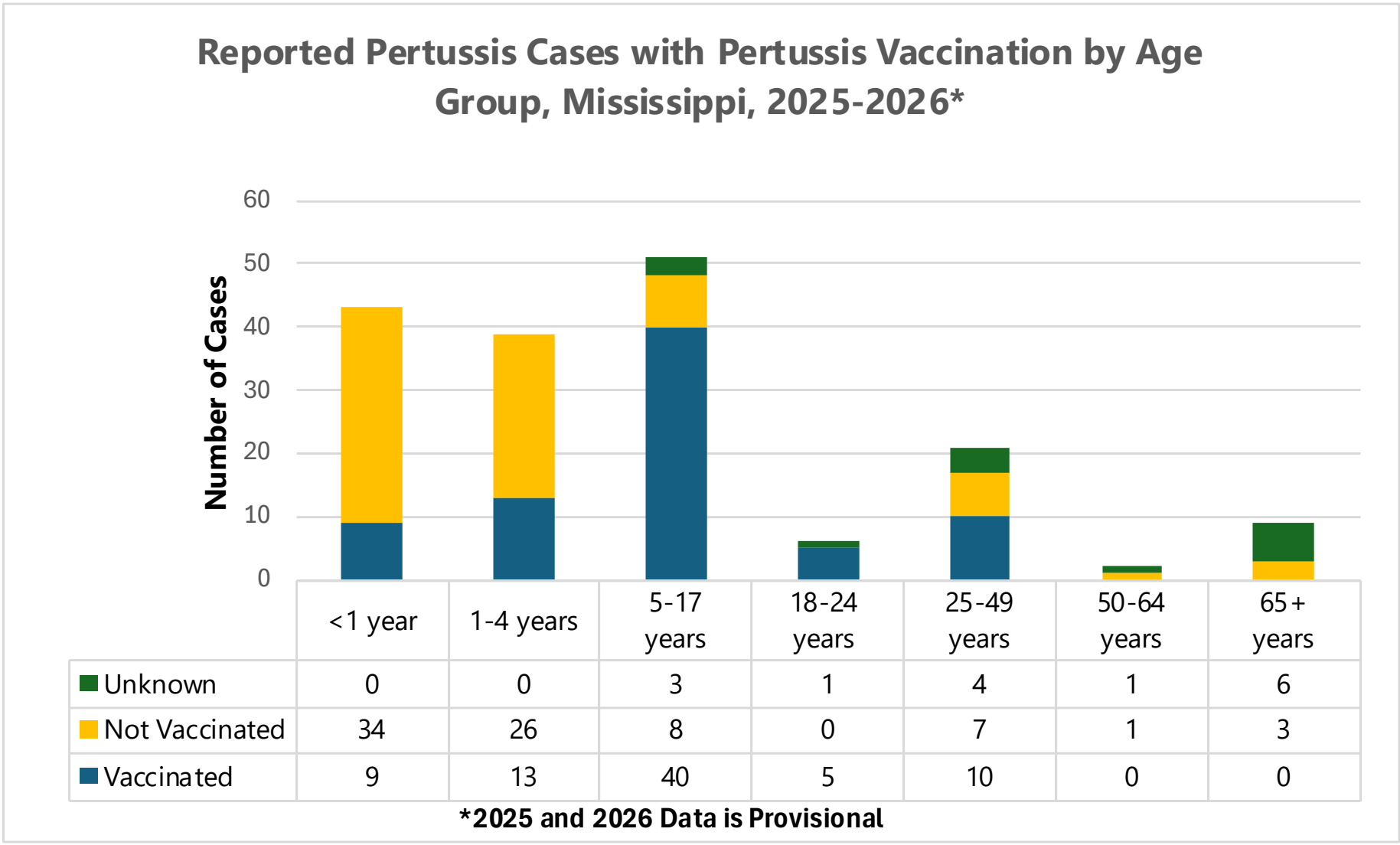

Reported Pertussis Cases with Pertussis Vaccination by Age Group, Mississippi, 2025-2026*
Number of Cases
60
50
40
30
20
10
0
<1 year
1-4 years
5-17 years
18-24 years
25-49 years
50-64 years
65+ years
Unknown 0 0 3 1 4 1 6
Not Vaccinated 34 26 8 0 7 1 3
Vaccinated 9 13 40 5 10 0 0
*2025 and 2026 Data is Provisional

Figure 16

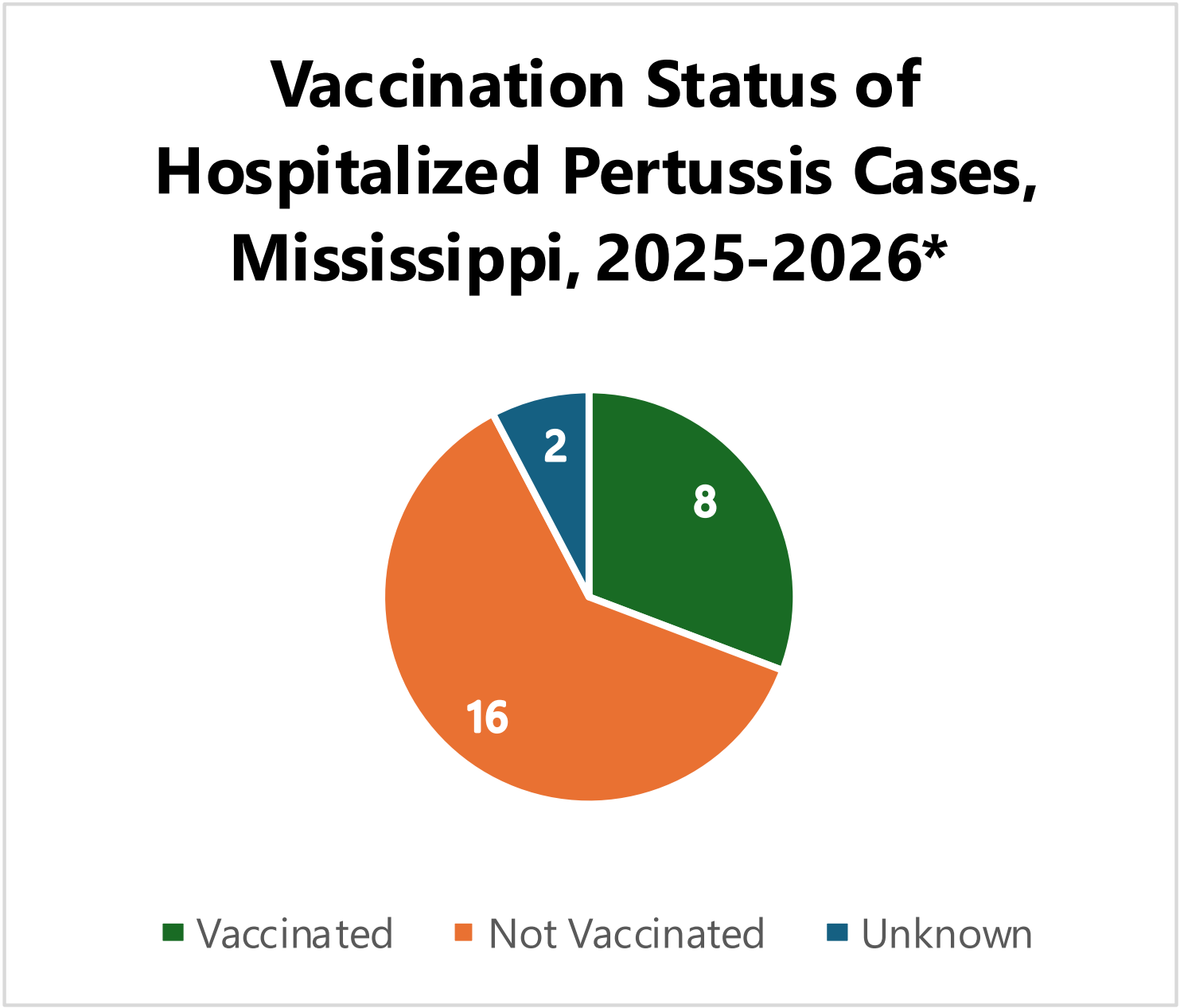
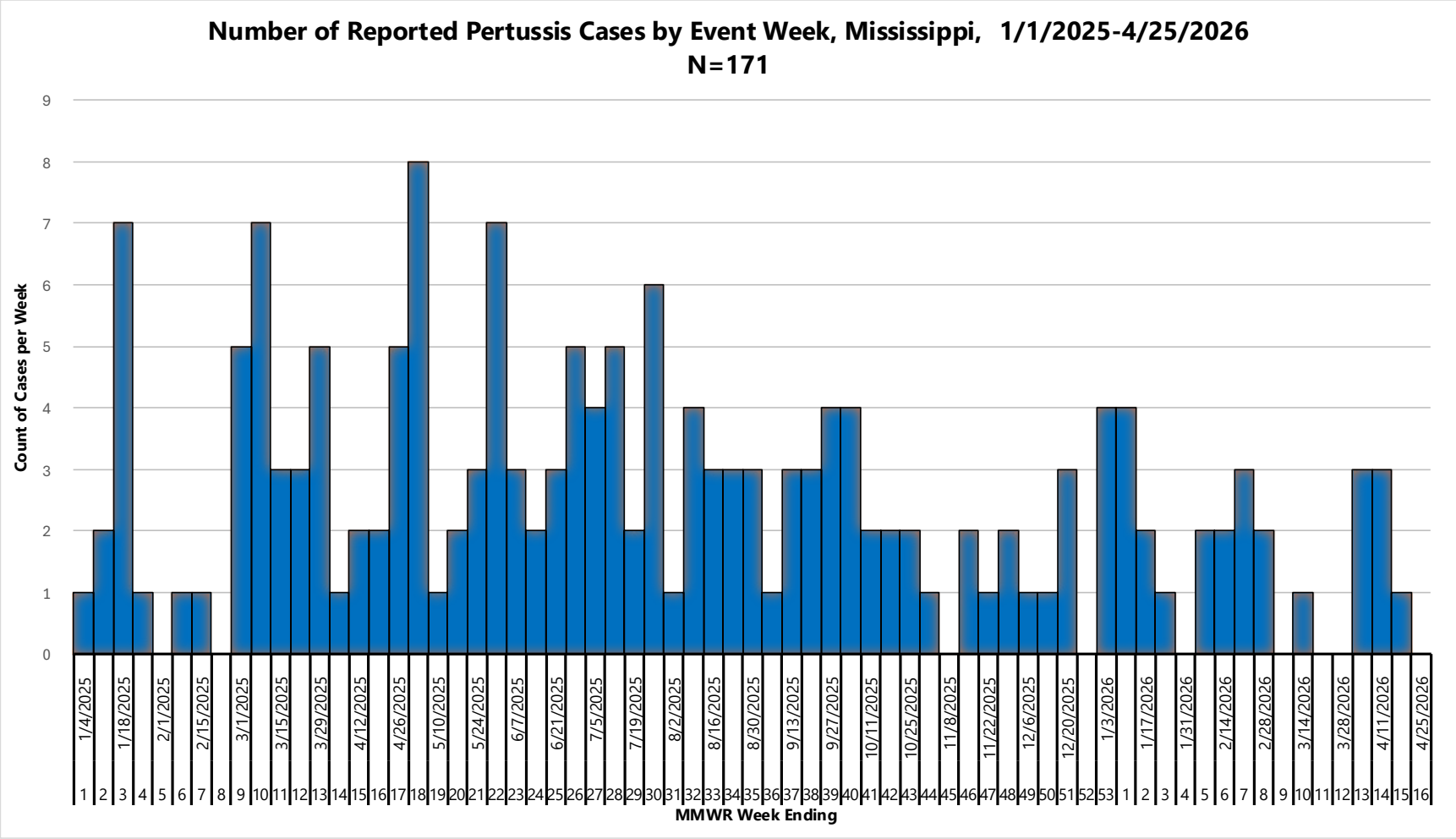

Vaccination Status of Hospitalized Pertussis Cases, Mississippi, 2025-2026*
2
8
16
Vaccinated
Not Vaccinated
Unknown

Figure 17


Number of Reported Pertussis Cases by Event Week, Mississippi, 1/1/2025-4/25/2026
N=171
Count of Cases per Week
0
1
2
3
4
5
6
7
8
9
1/4/2025
1/18/2025
2/1/2025
2/15/2025
3/1/2025
3/15/2025
3/29/2025
4/12/2025
4/26/2025
5/10/2025
5/24/2025
6/7/2025
6/21/2025
7/5/2025
7/19/2025
8/2/2025
8/16/2025
8/30/2025
9/13/2025
9/27/2025
10/11/2025
10/25/2025
11/8/2025
11/22/2025
12/6/2025
12/20/2025
1/3/2026
1/17/2026
1/31/2026
2/14/2026
2/28/2026
3/14/2026
3/28/2026
4/11/2026
4/25/2026
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
MMWR Week Ending