

SUPPLEMENTARY TABLE 2. Cumulative influenza-associated hospitalization rates* by season, influenza virus type and influenza A subtype,[†] and age group — Influenza Hospitalization Surveillance Network, United States, 2010–11 through 2024–25 influenza seasons[§]

Season/influenza virus type or influenza A subtype	Hospitalization rate by age group, yrs						
	All	0–4	5–17	18–49	50–64	65–74	≥75
	Rate (95% CI)	Rate (95% CI)	Rate (95% CI)	Rate (95% CI)	Rate (95% CI)	Rate (95% CI)	Rate (95% CI)
2010–11							
A(H1N1)pdm09	6.2 (5.8-6.5)	10.8 (9.0-12.6)	2.5 (2.0-3.0)	5.1 (4.7-5.6)	9.4 (8.5-10.3)	7.0 (5.5-8.4)	8.8 (6.8-10.7)
A(H3N2)	10.7 (10.3-11.2)	19.6 (17.4-21.8)	3.0 (2.4-3.5)	4.2 (3.8-4.6)	9.4 (8.5-10.3)	21.4 (19.1-23.7)	72.5 (68.1-76.9)
B	3.5 (3.3-3.8)	12.8 (11.3-14.4)	3.4 (2.9-3.9)	1.9 (1.6-2.1)	2.2 (1.8-2.6)	6.8 (5.6-8.0)	7.3 (6.0-8.7)
2011–12							
A(H1N1)pdm09	1.6 (1.5-1.8)	3.1 (2.2-4.1)	0.9 (0.6-1.2)	1.4 (1.2-1.7)	2.1 (1.6-2.5)	2.1 (1.3-2.9)	1.7 (0.8-2.5)
A(H3N2)	5.9 (5.6-6.2)	10.6 (9.0-12.2)	2.1 (1.6-2.5)	2.2 (1.9-2.5)	4.8 (4.1-5.4)	13.1 (11.4-14.9)	40.4 (37.1-43.7)
B	1.1 (0.9-1.2)	2.0 (1.3-2.6)	1.0 (0.7-1.3)	0.5 (0.4-0.6)	1.2 (0.9-1.5)	1.8 (1.1-2.4)	3.4 (2.5-4.4)
2012–13							
A(H1N1)pdm09	1.7 (1.4-1.9)	3.2 (2.0-4.3)	0.4 (0.2-0.7)	1.2 (0.9-1.5)	2.6 (2.0-3.3)	2.4 (1.4-3.4)	3.3 (1.7-4.9)
A(H3N2)	33.3 (32.6-34.0)	38.2 (35.3-41.2)	6.8 (6.1-7.6)	11.3 (10.6-11.9)	29.3 (27.8-30.8)	75.9 (71.9-79.9)	262.7 (254.3-271.0)
B	8.9 (8.5-9.2)	24.7 (22.4-27.0)	7.3 (6.5-8.1)	3.6 (3.3-3.9)	8.9 (8.1-9.7)	15.7 (13.9-17.4)	31.0 (28.1-33.8)
2013–14							
A(H1N1)pdm09	27.3 (25.6-29.0)	39.0 (35.9-42.1)	7.2 (6.4-8.0)	18.3 (16.8-19.9)	44.9 (41.9-47.9)	50.2 (45.5-54.9)	58.0 (52.4-63.6)
A(H3N2)	3.9 (2.3-5.5)	3.2 (2.0-4.4)	0.8 (0.5-1.2)	1.7 (0.3-3.0)	3.7 (1.2-6.2)	9.0 (5.2-12.8)	27.9 (23.0-32.8)
B	3.8 (3.6-4.0)	4.3 (3.3-5.2)	1.2 (0.9-1.5)	1.4 (1.2-1.6)	4.9 (4.3-5.5)	9.2 (7.9-10.6)	20.3 (18.0-22.6)
2014–15							
A(H1N1)pdm09	0.2 (0.1-0.3)	0.1 (0-0.4)	0 (0-0.1)	0.1 (0-0.3)	0.1 (0-0.3)	0.4 (0-0.9)	1.3 (0.1-2.5)
A(H3N2)	54.8 (53.9-55.7)	45.6 (42.4-48.8)	12.9 (11.8-13.9)	14.3 (13.6-15.0)	42.6 (40.9-44.4)	119.9 (115.1-124.7)	495.3 (483.8-506.9)
B	8.8 (8.5-9.2)	11.2 (9.6-12.8)	3.6 (3.1-4.2)	3.5 (3.2-3.9)	10.4 (9.6-11.3)	20.3 (18.3-22.2)	45.4 (42.0-48.9)
2015–16							
A(H1N1)pdm09	20.6 (20.0-21.1)	30.0 (27.3-32.6)	5.4 (4.7-6.1)	11.9 (11.3-12.5)	33.6 (32.1-35.2)	41.8 (39.0-44.6)	51.0 (47.0-54.9)
A(H3N2)	2.9 (2.7-3.2)	3.2 (2.1-4.3)	0.6 (0.4-0.9)	1.2 (1.0-1.4)	2.7 (2.2-3.2)	6.7 (5.4-8.0)	19.3 (16.5-22.0)
B	7.8 (7.5-8.1)	8.9 (7.5-10.3)	3.6 (3.1-4.2)	3.3 (3.0-3.6)	8.7 (7.9-9.5)	17.1 (15.4-18.9)	40.5 (37.3-43.8)
2016–17							
A(H1N1)pdm09	1.1 (0.9-1.3)	1.5 (0.7-2.3)	0.2 (0-0.4)	0.5 (0.3-0.7)	1.3 (0.9-1.8)	3.0 (2.0-4.0)	4.4 (2.8-6.0)
A(H3N2)	47.7 (46.8-48.5)	27.4 (24.9-30.0)	9.6 (8.7-10.5)	12.8 (12.2-13.5)	46.2 (44.3-48.0)	108.8 (104.4-113.2)	388.4 (378.5-398.4)
B	13.1 (12.7-13.5)	11.3 (9.7-12.9)	5.3 (4.6-6.0)	4.5 (4.1-4.9)	15.1 (14.1-16.1)	31.2 (28.9-33.5)	76.1 (71.7-80.4)
2017–18							
A(H1N1)pdm09	12.8 (12.1-13.5)	21.0 (17.7-24.2)	3.7 (3.0-4.4)	6.2 (5.6-6.8)	20.3 (18.5-22.0)	26.5 (23.5-29.5)	37.6 (32.8-42.3)
A(H3N2)	61.9 (60.9-63.0)	33.4 (29.8-37.0)	8.9 (8.0-9.9)	16.0 (15.2-16.8)	59.2 (56.8-61.6)	149.3 (144.0-154.6)	501.3 (489.7-512.8)

B	27.8 (27.2-28.4)	16.2 (14.3-18.0)	6.6 (5.9-7.3)	7.8 (7.3-8.3)	33.2 (31.7-34.8)	69.1 (65.8-72.4)	185.7 (179.0-192.4)
2018–19							
A(H1N1)pdm09	31.8 (31.0-32.6)	43.4 (39.8-46.9)	9.2 (8.3-10.2)	14.8 (14.0-15.6)	49.0 (46.9-51.2)	71.4 (67.4-75.4)	99.5 (93.3-105.8)
A(H3N2)	29.1 (28.3-29.9)	23.6 (20.8-26.5)	9.7 (8.7-10.7)	8.7 (8.0-9.3)	27.4 (25.6-29.2)	68.6 (64.7-72.5)	196.2 (188.4-204.0)
B	2.5 (2.3-2.7)	3.0 (2.2-3.8)	0.9 (0.6-1.1)	1.0 (0.8-1.2)	2.7 (2.3-3.1)	5.9 (5.0-6.9)	13.0 (11.3-14.7)
2019–20							
A(H1N1)pdm09	45.7 (44.9-46.5)	46.8 (43.6-50.1)	9.9 (8.9-10.8)	20.9 (20.1-21.7)	71.5 (69.3-73.8)	103.0 (99.0-107.0)	162.6 (156.3-168.9)
A(H3N2)	2.5 (2.2-2.7)	1.5 (0.7-2.3)	0.5 (0.3-0.8)	0.8 (0.6-1.1)	2.3 (1.7-2.9)	5.2 (4.0-6.4)	17.3 (14.6-20.0)
B	17.7 (17.2-18.2)	42.8 (39.7-45.9)	12.9 (11.8-13.9)	11.5 (10.9-12.0)	15.5 (14.5-16.5)	26.7 (24.7-28.7)	46.9 (43.7-50.1)
2021–22							
A(H1N1)pdm09	0 (0-0.1)	0.1 (0-0.3)	0 (0-0)	0 (0-0.1)	0 (0-0.1)	0.1 (0-0.2)	0.1 (0-0.2)
A(H3N2)	17.5 (17.0-18.0)	22.4 (20.1-24.7)	8.9 (8.0-9.7)	9.2 (8.7-9.7)	16.1 (15.0-17.1)	31.2 (29.1-33.3)	82.7 (78.3-87.0)
B	0.5 (0.4-0.6)	0.5 (0.2-0.8)	0.1 (0-0.2)	0.2 (0.1-0.3)	0.7 (0.5-0.9)	1.0 (0.6-1.4)	2.9 (2.1-3.7)
2022–23							
A(H1N1)pdm09	15.1 (14.3-15.9)	15.6 (13.1-18.0)	5.4 (4.5-6.2)	6.7 (5.9-7.5)	21.5 (19.7-23.2)	33.2 (30.0-36.3)	52.6 (46.8-58.5)
A(H3N2)	44.3 (43.3-45.4)	66.0 (61.8-70.3)	22.9 (21.5-24.4)	19.0 (18.1-20.0)	43.7 (41.5-45.9)	86.6 (82.4-90.7)	195.5 (187.5-203.5)
B	2.2 (2.1-2.4)	3.0 (2.1-3.8)	1.2 (0.9-1.5)	1.1 (1.0-1.3)	2.4 (2.0-2.8)	4.0 (3.3-4.8)	8.6 (7.3-10.0)
2023–24							
A(H1N1)pdm09	46.1 (45.1-47.2)	38.4 (35.1-41.7)	14.8 (13.6-16.0)	18.3 (17.4-19.2)	64.2 (61.6-66.9)	100.7 (96.4-105.0)	183.1 (175.0-191.3)
A(H3N2)	21.8 (20.9-22.6)	15.9 (13.5-18.3)	5.8 (4.9-6.7)	10.0 (9.2-10.8)	23.9 (21.9-25.9)	43.2 (39.9-46.4)	106.2 (99.0-113.5)
B	12.4 (12.0-12.8)	29.2 (26.6-31.8)	12.7 (11.7-13.7)	11.0 (10.4-11.5)	8.8 (8.1-9.6)	10.2 (9.1-11.4)	20.5 (18.6-22.5)
2024–25							
A(H1N1)pdm09	72.2 (71.0-73.5)	49.4 (45.5-53.3)	19.1 (17.7-20.5)	25.2 (24.1-26.3)	92.2 (89.2-95.3)	165.9 (160.3-171.4)	339.5 (329.3-349.7)
A(H3N2)	49.5 (48.4-50.6)	45.7 (41.9-49.5)	14.8 (13.6-16.1)	21.3 (20.2-22.3)	52.1 (49.6-54.7)	99.0 (94.3-103.7)	244.8 (235.6-254.0)
B	4.8 (4.5-5.0)	5.8 (4.7-7.0)	5.0 (4.4-5.6)	3.6 (3.3-4.0)	4.0 (3.4-4.5)	6.0 (5.1-6.9)	11.7 (10.2-13.2)

Abbreviations: CI = Confidence Interval

* Hospitalizations per 100,000 population.

† Influenza A subtype was imputed using multiple imputation via a logistic regression model where age, site, and month of admission are predictors. From 2010-11 through 2024-25, missing A subtype proportions were 40%, 38%, 54%, 40%, 54%, 46%, 54%, 60%, 57%, 60%, 71%, 72%, 69%, 65%.

§ Excluding the 2020-21 season.