

SUPPLEMENTARY TABLE 1. Characteristics of emergency department and urgent care encounters and hospitalizations among immunocompetent adults aged ≥18 years with COVID-19-like illness, by SARS-CoV-2 test result status and CDC vaccine effectiveness network, including control-patients with positive or indeterminant influenza test results — VISION and IVY Networks, September 2023–January 2024

Characteristic	No. (Col. %)					
	VISION			IVY		
	Total	COVID-19 case-patients	COVID-19 control-patients	Total	COVID-19 case-patients	COVID-19 control-patients
All ED/UC encounters	143,146	17,229	125,917	—	—	—
Vaccination status						
No updated dose*	127,211 (89)	15,932 (92)	111,279 (88)	—	—	—
Updated dose, ≥7 days earlier	15,935 (11)	1,297 (8)	14,638 (12)	—	—	—
Updated dose, 7–59 days earlier	10,838 (8)	825 (5)	10,013 (8)	—	—	—
Updated dose, 60–119 days earlier	5,097 (4)	472 (3)	4,625 (4)	—	—	—
Median age, yrs (IQR)	51 (33, 70)	54 (35, 72)	50 (33, 69)	—	—	—
Age group, yrs						
18–64	96,924 (68)	10,959 (64)	85,965 (68)	—	—	—
≥65	46,222 (32)	6,270 (36)	39,952 (32)	—	—	—
Female sex	86,974 (61)	10,292 (60)	76,682 (61)	—	—	—
Race and ethnicity						
Black or African American, NH	14,717 (10)	1,425 (8)	13,292 (11)	—	—	—
White, NH	89,710 (63)	11,594 (67)	78,116 (62)	—	—	—
Hispanic or Latino, any race	21,674 (15)	2,316 (13)	19,358 (15)	—	—	—
Other, NH [†]	14,370 (10)	1,590 (9)	12,780 (10)	—	—	—
Unknown [§]	2,675 (2)	304 (2)	2,371 (2)	—	—	—
HHS region[¶]						
1	0 (—)	0 (—)	0 (—)	—	—	—
2	0 (—)	0 (—)	0 (—)	—	—	—
3	0 (—)	0 (—)	0 (—)	—	—	—
4	0 (—)	0 (—)	0 (—)	—	—	—
5	48,645 (34)	5,907 (34)	42,738 (34)	—	—	—
6	0 (—)	0 (—)	0 (—)	—	—	—
7	0 (—)	0 (—)	0 (—)	—	—	—
8	43,864 (31)	7,466 (43)	36,398 (29)	—	—	—
9	41,173 (29)	2,829 (16)	38,344 (30)	—	—	—
10	9,464 (7)	1,027 (6)	8,437 (7)	—	—	—
No. of chronic medical condition categories**						
0	105,313 (74)	13,540 (79)	91,773 (73)	—	—	—
1	27,399 (19)	2,542 (15)	24,857 (20)	—	—	—
2	6,969 (5)	814 (5)	6,155 (5)	—	—	—
3	2,532 (2)	230 (1)	2,302 (2)	—	—	—
4	738 (1)	84 (0.5)	654 (1)	—	—	—
≥5	195 (0.1)	19 (0.1)	176 (0.1)	—	—	—
Month of COVID-19–associated ED/UC encounter						
September 2023	9,834 (7)	1,222 (7)	8,612 (7)	—	—	—
October 2023	30,170 (21)	3,521 (20)	26,649 (21)	—	—	—
November 2023	36,142 (25)	4,487 (26)	31,655 (25)	—	—	—

December 2023	51,306 (36)	6,289 (37)	45,017 (36)	—	—	—
January 2024	15,694 (11)	1,710 (10)	13,984 (11)	—	—	—
SARS-CoV-2 JN.1 lineage predominant period^{††}	31,201 (22)	3,597 (21)	27,604 (22)	—	—	—
All hospitalizations	39,322	4,589	34,733	4,628	1,194	3,434
Vaccination status						
No updated dose*	34,476 (88)	4,194 (91)	30,282 (87)	4,124 (89)	1,100 (92)	3,024 (88)
Updated dose, ≥7 days earlier	4,846 (12)	395 (9)	4,451 (13)	504 (11)	94 (8)	410 (12)
Updated dose, 7–59 days earlier	3,459 (9)	270 (6)	3,189 (9)	314 (7)	57 (5)	257 (7)
Updated dose, 60–119 days earlier	1,387 (4)	125 (3)	1,262 (4)	190 (4)	37 (3)	153 (4)
Median age, yrs (IQR)	71 (59–81)	77 (67–84)	70 (58–81)	67 (55–77)	73 (61–82)	65 (52–76)
Age group, yrs						
18–64	13,798 (35)	976 (21)	12,822 (37)	2,063 (45)	371 (31)	1,692 (49)
≥65	25,524 (65)	3,613 (79)	21,911 (63)	2,565 (55)	823 (69)	1,742 (51)
Female sex	21,116 (54)	2,365 (52)	18,751 (54)	2,394 (52)	623 (52)	1,771 (52)
Race and ethnicity						
Black or African American, NH	4,229 (11)	346 (8)	3,883 (11)	1,061 (23)	226 (19)	835 (24)
White, NH	27,595 (70)	3,479 (76)	24,116 (69)	2,613 (56)	752 (63)	1,861 (54)
Hispanic or Latino, any race	3,759 (10)	354 (8)	3,405 (10)	619 (13)	133 (11)	486 (14)
Other, NH [†]	3,315 (8)	373 (8)	2,942 (8)	177 (4)	40 (3)	137 (4)
Unknown [§]	424 (1)	37 (1)	387 (1)	158 (3)	43 (4)	115 (3)
HHS region[¶]						
1	0 (—)	0 (—)	0 (—)	971 (21)	330 (28)	641 (19)
2	0 (—)	0 (—)	0 (—)	312 (7)	62 (5)	250 (7)
3	0 (—)	0 (—)	0 (—)	41 (1)	14 (1)	27 (1)
4	0 (—)	0 (—)	0 (—)	597 (13)	125 (10)	472 (14)
5	18,193 (46)	2,154 (47)	16,039 (46)	559 (12)	160 (13)	399 (12)
6	0 (—)	0 (—)	0 (—)	607 (13)	129 (11)	478 (14)
7	0 (—)	0 (—)	0 (—)	145 (3)	36 (3)	109 (3)
8	7,493 (19)	1,061 (23)	6,432 (19)	860 (19)	194 (16)	666 (19)
9	11,807 (30)	1,211 (26)	10,596 (31)	359 (8)	101 (8)	258 (8)
10	1,829 (5)	163 (4)	1,666 (5)	177 (4)	43 (4)	134 (4)
No. of chronic medical condition categories^{**}						
0	5,391 (14)	643 (14)	4,748 (14)	456 (10)	98 (8)	358 (10)
1	6,670 (17)	624 (14)	6,046 (17)	937 (20)	237 (20)	700 (20)
2	7,644 (19)	847 (18)	6,797 (20)	1,314 (28)	340 (28)	974 (28)
3	9,660 (25)	1,255 (27)	8,405 (24)	1,084 (23)	290 (24)	794 (23)
4	6,818 (17)	830 (18)	5,988 (17)	566 (12)	156 (13)	410 (12)
≥5	3,139 (8)	390 (8)	2,749 (8)	271 (6)	73 (6)	198 (6)
Month of COVID-19–associated hospitalization						
September 2023	2,966 (8)	270 (6)	2,696 (8)	333 (7)	126 (11)	207 (6)
October 2023	9,840 (25)	1,011 (22)	8,829 (25)	1,110 (24)	352 (29)	758 (22)
November 2023	10,749 (27)	1,283 (28)	9,466 (27)	1,121 (24)	300 (25)	821 (24)
December 2023	12,926 (33)	1,674 (36)	11,252 (32)	1,146 (25)	230 (19)	916 (27)
January 2024	2,841 (7)	351 (8)	2,490 (7)	918 (20)	186 (16)	732 (21)
SARS-CoV-2 JN.1 lineage predominant period^{††}	6,264 (16)	807 (18)	5,457 (16)	1,135 (25)	231 (19)	904 (26)

Abbreviations: ED/UC = emergency department/urgent care; HHS = U.S. Department of Health and Human Services; IVY = Investigating Respiratory Viruses in the Acutely Ill; NH = non-Hispanic; VISION = Virtual SARS-CoV-2, Influenza, and Other respiratory viruses Network.

* The “no updated dose” group included all eligible persons who did not receive an updated (2023-2024) COVID-19 vaccine dose, regardless of number of previous (i.e., original monovalent and bivalent) doses received (if any).

† For VISION, “Other, NH” race persons reporting NH ethnicity and any of the following for race: American Indian or Alaska Native, Asian, Native Hawaiian or other Pacific Islander, other races not listed, and multiple races. Because of small numbers, these categories were combined. For IVY, “Other race, NH” includes Asian, Native American or Alaska Native, and Native Hawaiian or other Pacific Islander; these groups were combined due to small counts.

§ For VISION, “Unknown” includes persons with missing race and ethnicity in their EHR. For IVY, “Unknown” includes patients who self-reported their race and ethnicity as “Other” and those for whom race and ethnicity were unknown.

¶ Regions are defined by HHS. States included in each region are available at <https://www.hhs.gov/about/agencies/iea/regional-offices/index.html>. VISION Network sites included: *Region 5*: HealthPartners (Minnesota and Wisconsin) and Regenstrief Institute (Indiana); *Region 8*: Intermountain Healthcare (Utah) and University of Colorado (Colorado); *Region 9*: Kaiser Permanente Northern California (California); and *Region 10*: Kaiser Permanente Northwest (Oregon and Washington). IVY Network sites included: *Region 1*: Baystate Medical Center (Springfield, Massachusetts), Beth Israel Deaconess Medical Center (Boston, Massachusetts), and Yale University (New Haven, Connecticut); *Region 2*: Montefiore Medical Center (New York, New York); *Region 3*: Johns Hopkins Hospital (Baltimore, Maryland); *Region 4*: Emory University Medical Center (Atlanta, Georgia), University of Miami Medical Center (Miami, Florida), Vanderbilt University Medical Center (Nashville, Tennessee), and Wake Forest University Baptist Medical Center (Winston-Salem, North Carolina); *Region 5*: Cleveland Clinic (Cleveland, Ohio), Hennepin County Medical Center (Minneapolis, Minnesota), Henry Ford Health (Detroit, Michigan), The Ohio State University Wexner Medical Center (Columbus, Ohio), and University of Michigan Hospital (Ann Arbor, Michigan); *Region 6*: Baylor Scott & White Medical Center (Temple, Texas) and Baylor University Medical Center (Dallas, Texas); *Region 7*: Barnes-Jewish Hospital (St. Louis, Missouri) and University of Iowa Hospitals (Iowa City, Iowa); *Region 8*: Intermountain Medical Center (Murray, Utah), UHealth University of Colorado Hospital (Aurora, Colorado), and University of Utah (Salt Lake City, Utah); *Region 9*: Stanford University Medical Center (Stanford, California), Ronald Reagan UCLA Medical Center (Los Angeles, California), and University of Arizona Medical Center (Tucson, Arizona); and *Region 10*: Oregon Health & Science University Hospital (Portland, Oregon) and University of Washington (Seattle, Washington).

** VISION underlying condition categories included: pulmonary, cardiovascular, cerebrovascular, neurologic or musculoskeletal, hematologic, endocrine, renal, gastrointestinal. IVY underlying condition categories included: pulmonary, cardiovascular, neurologic, hematologic, endocrine, renal, gastrointestinal, and autoimmune.

†† The JN.1 predominant period was considered to have started December 24, 2023.