



COVID-19 Vaccine Data

**Completed primary series and updated
(bivalent) booster data as of April 11, 2023**

April 19, 2023

What's included in this report?

Includes data on COVID-19 vaccines available in Vermont (Pfizer-BioNTech, Moderna, Johnson & Johnson and Novavax).

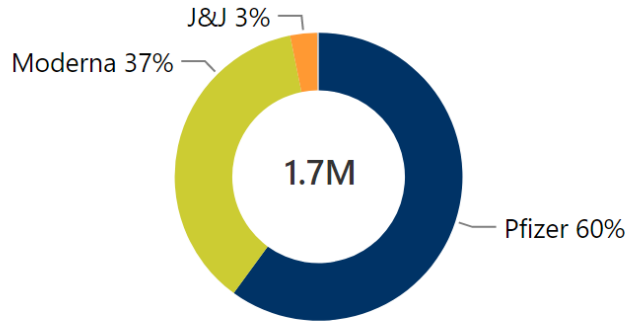
Includes data reported to Vermont Immunization Registry by April 11, 2023.

This information is more detailed than CDC's state-level data, and allows us to look at differences in vaccination rates by county, race, ethnicity, age and gender.

Overall doses administered

Overall COVID-19 Doses Administered

Vermont Residents Only

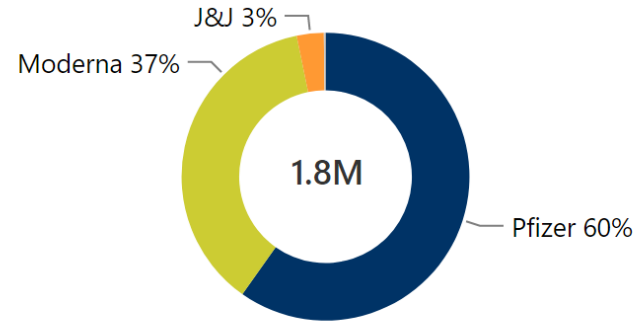


Show VT Residents Only

■ VT Only

Type	Doses	% of total
J&J	49.7K	3%
Moderna	607.2K	37%
Novavax	0.1K	0%
Pfizer	991.1K	60%
Unknown/Other	2.7K	0%

Including non-Vermont Residents



Show VT Residents Only

□ VT Only

Type	Doses	% of total
J&J	54.4K	3%
Moderna	663.2K	37%
Novavax	0.2K	0%
Pfizer	1,072.4K	60%
Unknown/Other	3.2K	0%

Doses administered to people who have passed away are included on this page.

Doses administered reflects the total number of doses that have been given to people in Vermont, or were reported to Vermont. For example, we receive reports of Vermont residents vaccinated in New Hampshire at the Dartmouth-Hitchcock Medical Center.

Source: Vermont Immunization Registry (April 11, 2023)

Updated (Bivalent) Booster Rates

Updated (Bivalent) Booster Doses

Updated booster doses include people who received an updated (bivalent) booster dose of Pfizer or Moderna since September 1, 2022.

For those who completed their primary series in another state AND received an updated booster in Vermont: If the Vermont Immunization Registry (IMR) does not have a record of their previous vaccination, some updated booster doses may be counted incorrectly.

Statewide Data for Updated (Bivalent) Boosters

Updated (Bivalent) Booster Vaccination Rates for Vermonters Statewide

208.9K
People with updated booster

35%
% of Vermonters age 5+ who have received the updated (bivalent) booster dose



Statewide numbers and percentages are capped at 100%.
Race information is not reported for 3% of people vaccinated.
Race/ethnicity information is not reported for 5% of people vaccinated.
Ethnicity information is not reported for 4% of people vaccinated.
Gender information is not reported for <0.5% of people vaccinated.

Data on this page is sourced from the Vermont Immunization Registry and therefore may differ from data reported by the CDC. See definitions in the data notes at the end.
 Source: Vermont Immunization Registry (April 11, 2023), VDH Population Estimates (2019)

Percent of the statewide population 5+ of each subgroup that has received an updated (bivalent) Pfizer-BioNTech booster dose (age 5+) or updated (bivalent) Moderna booster dose (age 6+) since September 1, 2022

Age	%
5 - 11	17%
12 - 17	23%
18 - 29	15%
30 - 39	25%
40 - 49	31%
50 - 59	33%
60 - 64	45%
65 - 69	60%
70 - 74	71%
75+	73%

Race	%
Asian	27%
Black or African American	18%
Native American, Indigenous, or First Nation	6%
Pacific Islander	14%
Two or more races	39%
White	35%

Ethnicity	%
Hispanic	45%
Not Hispanic	34%

Gender	%	#
Female	38%	115,392
Male	32%	92,706
Non-binary	n/a	48

Race/Ethnicity	5-11	12-30	31-64	65+	Total
BIPOC	20%	20%	36%	78%	32%
Non-Hispanic White	15%	15%	32%	67%	34%

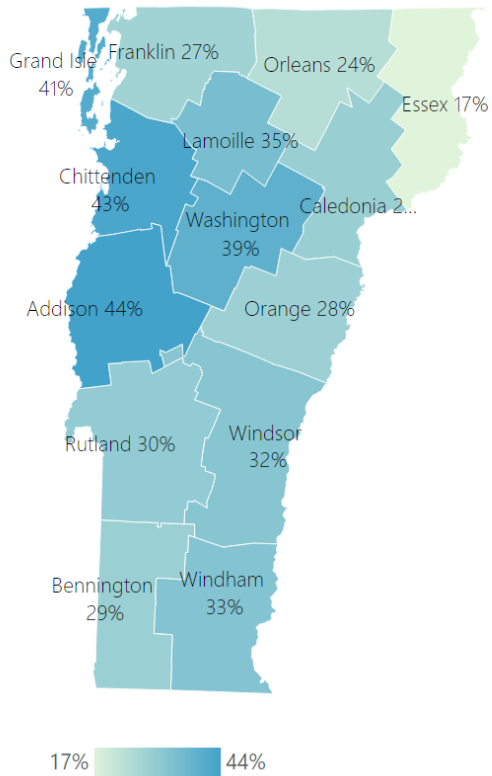
Source: Vermont Immunization Registry (April 11, 2023), VDH Population Estimates (2019)

County Data for Updated (Bivalent) Boosters

Overall and by race/ethnicity, ethnicity, age and gender

Vaccination Rates for COVID-19 Updated Boosters by County

The percent of the population age 5+ of each subgroup that has received an updated (bivalent) Pfizer-BioNTech booster dose (age 5+) or updated (bivalent) Moderna booster dose (age 6+) since September 1, 2022 by county.



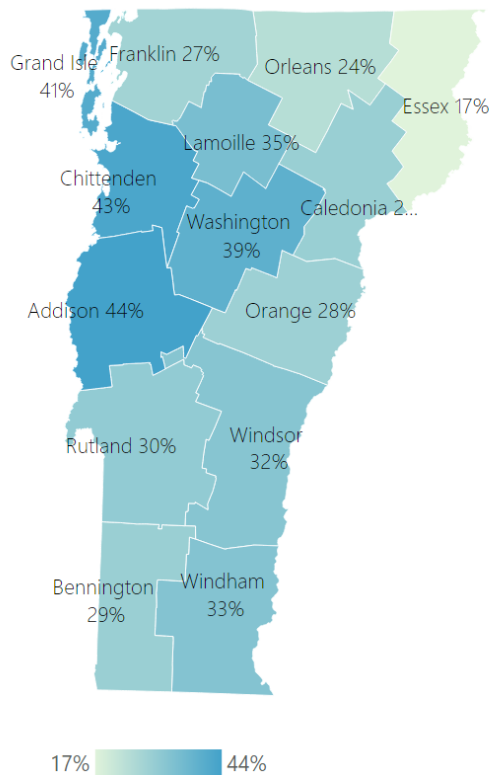
County	%	Pop estimate
Addison	44%	35,214
Bennington	29%	33,828
Caledonia	29%	28,570
Chittenden	43%	156,317
Essex	17%	5,887
Franklin	27%	46,515
Grand Isle	41%	6,900
Lamoille	35%	24,075
Orange	28%	27,542
Orleans	24%	25,742
Rutland	30%	55,626
Washington	39%	55,680
Windham	33%	40,377
Windsor	32%	52,673
VT	35%	594,946

Source: Vermont Immunization Registry (April 11, 2023), VDH Population Estimates (2019)

Vaccination Rates for COVID-19 Updated Boosters by County and Race/Ethnicity

The percent of the population age 5+ of each subgroup that has received an updated (bivalent) Pfizer-BioNTech booster dose (age 5+) or updated (bivalent) Moderna booster dose (age 6+) since September 1, 2022 by county and by race/ethnicity. Race/ethnicity information is not reported for 4%

Race/ethnicity information is not reported for 5% of people vaccinated.
BIPOC refers to Black, Indigenous, and people of color.



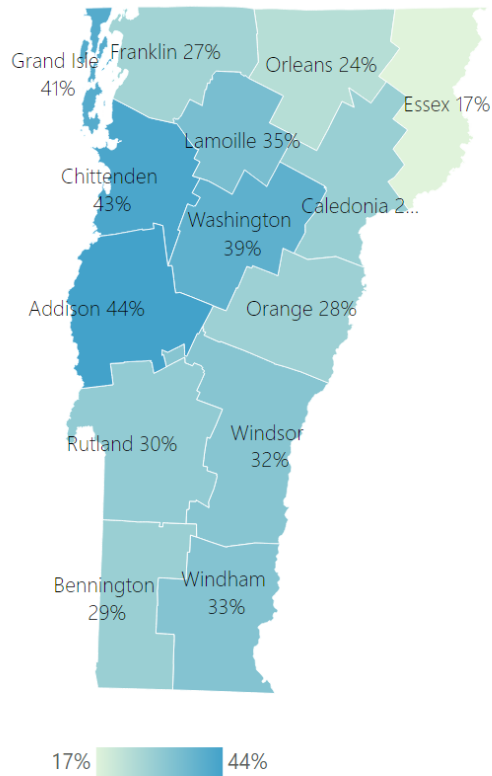
Race/Ethnicity	BIPOC		Non-Hispanic White	
	County	%	County	%
Addison	41%	2,514	43%	32,700
Bennington	23%	2,055	28%	31,773
Caledonia	21%	1,489	29%	27,081
Chittenden	36%	17,967	42%	138,350
Essex	14%	273	16%	5,614
Franklin	33%	2,904	27%	43,611
Grand Isle	27%	492	41%	6,408
Lamoille	31%	1,329	34%	22,746
Orange	26%	1,191	28%	26,351
Orleans	29%	1,300	23%	24,442
Rutland	26%	2,700	30%	52,926
Washington	34%	3,192	38%	52,488
Windham	24%	2,762	32%	37,615
Windsor	26%	2,870	31%	49,803
VT	32%	43,038	34%	551,908

Source: Vermont Immunization Registry (April 11, 2023), VDH Population Estimates (2019)

Vaccination Rates for COVID-19 Updated Boosters by County and Ethnicity

The percent of the population age 5+ of each subgroup that has received an updated (bivalent) Pfizer-BioNTech booster dose (age 5+) or updated (bivalent) Moderna booster dose (age 6+) since September 1, 2022 by county and by ethnicity. Ethnicity information is not reported for 4% of people

Ethnicity information is not reported for 4% of people vaccinated.



County	Hispanic		Not Hispanic	
	%	Pop estimate	%	Pop estimate
Addison	64%	776	42%	34,438
Bennington	35%	719	28%	33,109
Caledonia	23%	472	28%	28,098
Chittenden	49%	3,752	42%	152,565
Essex	17%	82	16%	5,805
Franklin	72%	801	26%	45,714
Grand Isle	56%	136	40%	6,764
Lamoille	41%	437	34%	23,638
Orange	35%	385	28%	27,157
Orleans	50%	422	23%	25,320
Rutland	40%	894	30%	54,732
Washington	49%	1,088	38%	54,592
Windham	29%	924	32%	39,453
Windsor	36%	942	31%	51,731
VT	45%	11,830	34%	583,116

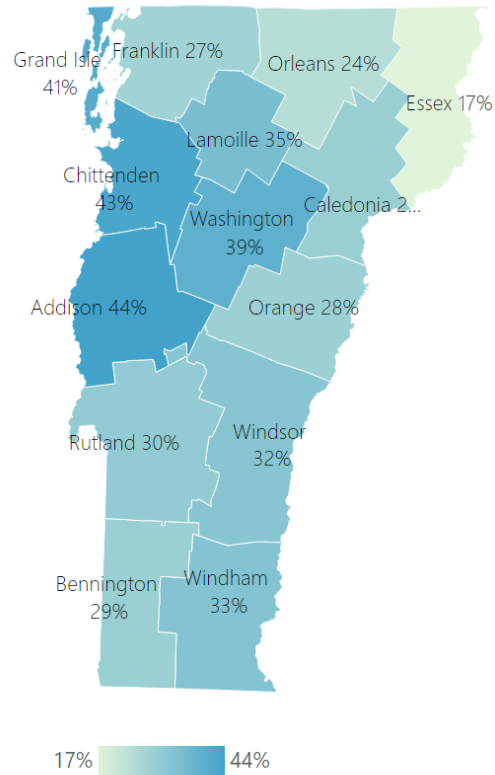
Source: Vermont Immunization Registry (April 11, 2023), VDH Population Estimates (2019)

Vaccination Rates for COVID-19 Updated Boosters by County and Age

The percent of the population age 5+ of each subgroup that has received an updated (bivalent) Pfizer-BioNTech booster dose (age 5+) or updated (bivalent) Moderna booster dose (age 6+) since September 1, 2022 by county and by age group.

County numbers and percentages are capped at 95%. An additional value may also be suppressed since the total values include the true totals.

Age is based on a person's age as of as of April 1, 2023.

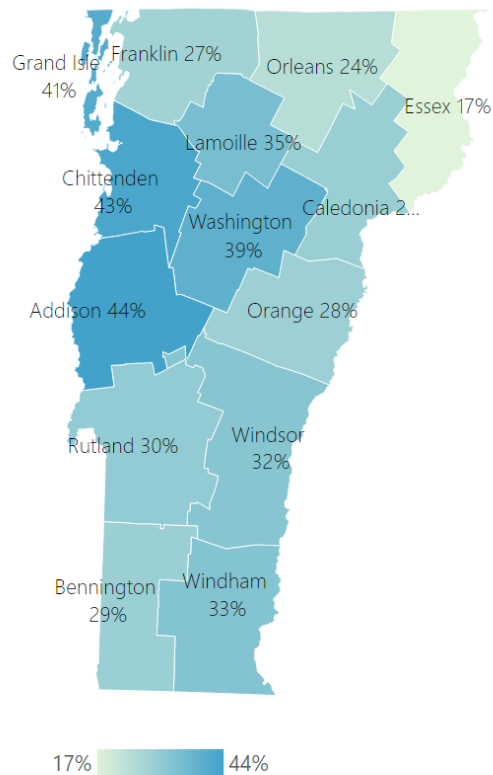


County	5 - 11	12 - 17	18 - 29	30 - 39	40 - 49	50 - 59	60 - 64	65 - 69	70 - 74	75+
Addison	24%	32%	22%	31%	36%	41%	53%	69%	82%	95%
Bennington	10%	15%	8%	15%	20%	25%	35%	54%	64%	65%
Caledonia	9%	15%	10%	17%	21%	27%	39%	49%	66%	66%
Chittenden	28%	36%	19%	38%	45%	45%	59%	77%	86%	83%
Essex	5%	7%	6%	5%	11%	13%	21%	33%	30%	34%
Franklin	9%	13%	10%	16%	21%	28%	41%	58%	67%	70%
Grand Isle	10%	20%	13%	22%	28%	32%	54%	71%	95%	95%
Lamoille	12%	22%	11%	20%	30%	36%	51%	68%	79%	80%
Orange	11%	18%	11%	17%	23%	24%	35%	48%	58%	63%
Orleans	7%	11%	7%	11%	17%	20%	30%	44%	55%	57%
Rutland	10%	14%	9%	16%	21%	26%	41%	56%	65%	72%
Washington	18%	23%	14%	30%	36%	38%	51%	65%	80%	82%
Windham	13%	23%	13%	21%	28%	28%	39%	50%	65%	67%
Windsor	17%	19%	14%	21%	27%	27%	38%	51%	60%	63%
VT	17%	23%	15%	25%	31%	33%	45%	60%	71%	73%

Source: Vermont Immunization Registry (April 11, 2023), VDH Population Estimates (2019)

Vaccination Rates for COVID-19 Updated Boosters by County and Gender

The percent of the population age 5+ of each subgroup that has received an updated (bivalent) Pfizer-BioNTech booster dose (age 5+) or updated (bivalent) Moderna booster dose (age 6+) since September 1, 2022 by county and by gender. Gender is not reported for 490 people vaccinated.



County	Female		Male	
	%	Pop estimate	%	Pop estimate
Addison	48%	17,631	40%	17,583
Bennington	31%	17,395	26%	16,433
Caledonia	32%	14,306	26%	14,264
Chittenden	46%	80,115	39%	76,202
Essex	18%	2,940	15%	2,947
Franklin	30%	23,365	24%	23,150
Grand Isle	45%	3,400	37%	3,500
Lamoille	38%	12,041	31%	12,034
Orange	31%	13,742	25%	13,800
Orleans	26%	12,863	21%	12,879
Rutland	33%	28,097	27%	27,529
Washington	43%	28,003	35%	27,677
Windham	35%	20,669	30%	19,708
Windsor	36%	26,980	29%	25,693
VT	38%	301,547	32%	293,399

Gender information is not reported for <0.5% of people vaccinated. The categorization of **male/female** for some people is based on sex assignment at birth, while for others, it is based on gender. This is due to the varying sources and ways the information is reported.

Gender not reported may mean the provider did not collect that information, the patient did not provide it, or the provider or the patient selected a category other than male or female.

Non-binary data is shown on page 8.

Source: Vermont Immunization Registry (April 11, 2023), VDH Population Estimates (2019)

Completed Primary Series

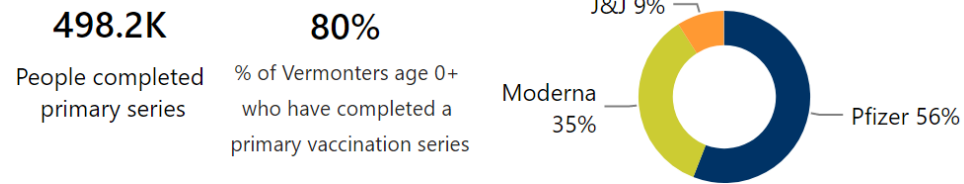
COVID-19 Completed Primary Series

People completed primary series indicates the number of people who completed all primary series doses of the vaccine (in other words, one dose of Johnson & Johnson, or two doses of Moderna, Novavax or Pfizer for those aged 5+, or three doses of Pfizer for those aged 0-4).

For those who received the first dose of a primary series in another state AND received the second dose in Vermont for a two-dose primary series vaccine: If the Vermont Immunization Registry (IMR) does not have a record of their previous vaccination, some second doses may be counted as their first dose. The same issue may occur for the first and second doses in a three-dose primary series.

Statewide Data for Completed Primary Series

COVID-19 Completed Primary Series Rates for Vermonters Statewide



Statewide numbers and percentages are capped at 100%.
Race information is not reported for 3% of people vaccinated.
Race/ethnicity information is not reported for 4% of people vaccinated.
Ethnicity information is not reported for 4% of people vaccinated.
Gender information is not reported for <0.5% of people vaccinated.
 See definitions in the data notes at the end.

Data on this page is sourced from the Vermont Immunization Registry and therefore may differ from data reported by the CDC.
 Source: Vermont Immunization Registry (April 11, 2023), VDH Population Estimates (2019)

Percent of the statewide population age 0+ of each subgroup that has completed a primary vaccination series

Age	%	Race	%			
Under 5	19%	Asian	72%			
5 - 11	54%	Black or African American	74%			
12 - 17	71%	Native American, Indigenous, or First Nation	21%			
18 - 29	64%	Pacific Islander	29%			
30 - 39	85%	Two or more races	85%			
40 - 49	85%	White	78%			
50 - 59	82%					
60 - 64	91%					
65 - 69	100%					
70 - 74	100%					
75+	100%					
Ethnicity	%	Gender	%	#		
Hispanic	100%	Female	82%	259,461		
Not Hispanic	77%	Male	77%	238,320		
		Non-binary	n/a	21		
Race/Ethnicity	Under 5	5-11	12-30	31-64	65+	Total
BIPOC	16%	66%	80%	99%	100%	85%
Non-Hispanic White	15%	49%	62%	81%	100%	77%

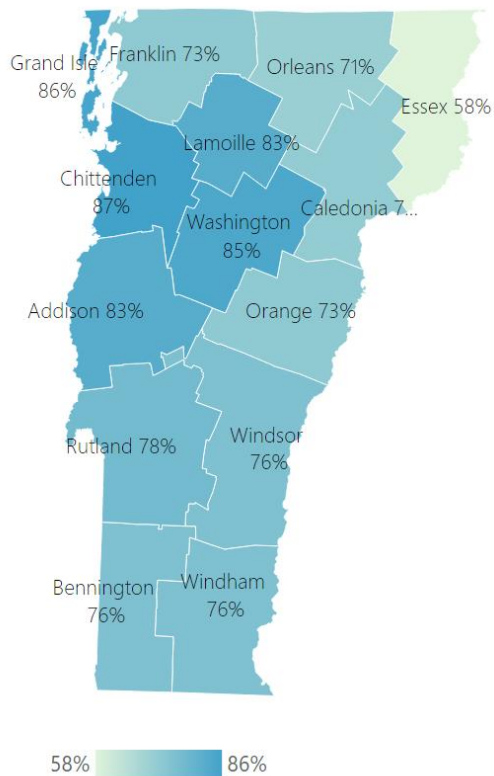
Source: Vermont Immunization Registry (April 11, 2023), VDH Population Estimates (2019)

County Data for Completed Primary Series

Overall and by race/ethnicity, ethnicity, age and gender

Vaccination Rates for COVID-19 Completed Primary Series by County

The percent of the population age 0+ that has completed a primary vaccination series by county.

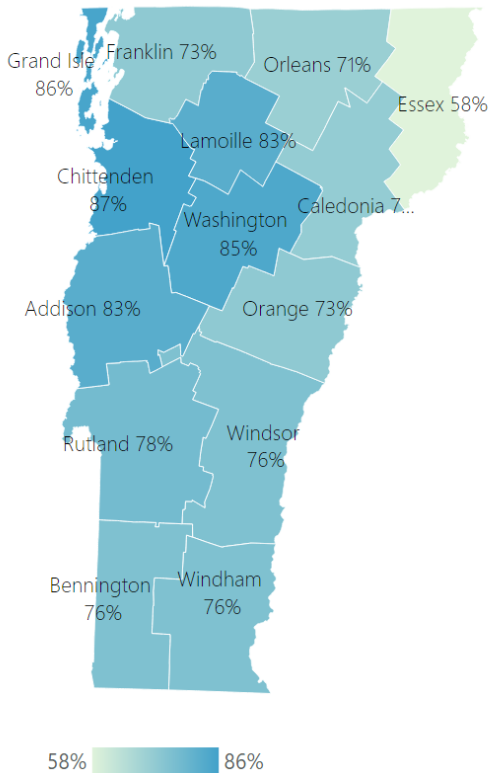


County	%	Pop estimate
Addison	83%	36,777
Bennington	76%	35,470
Caledonia	72%	29,993
Chittenden	87%	163,774
Essex	58%	6,163
Franklin	73%	49,402
Grand Isle	86%	7,235
Lamoille	83%	25,362
Orange	73%	28,892
Orleans	71%	27,037
Rutland	78%	58,191
Washington	85%	58,409
Windham	76%	42,222
Windsor	76%	55,062
VT	80%	623,989

Source: Vermont Immunization Registry (April 11, 2023), VDH Population Estimates (2019)

Vaccination Rates for COVID-19 Completed Primary Series by County and Race/Ethnicity

The percent of the population age 0+ that has completed a primary vaccination series by county and by race/ethnicity. Race/ethnicity information is not reported for 5% of people vaccinated.



Race/Ethnicity	BIPOC		Non-Hispanic White		
	County	%	Pop estimate	%	Pop estimate
Addison		93%	2,731	81%	34,046
Bennington		75%	2,243	71%	33,227
Caledonia		66%	1,586	70%	28,407
Chittenden		91%	19,194	83%	144,580
Essex		46%	301	55%	5,862
Franklin		95%	3,188	69%	46,214
Grand Isle		70%	560	86%	6,675
Lamoille		92%	1,443	80%	23,919
Orange		74%	1,263	71%	27,629
Orleans		79%	1,422	69%	25,615
Rutland		79%	2,859	76%	55,332
Washington		83%	3,462	81%	54,947
Windham		65%	3,081	74%	39,141
Windsor		69%	3,117	73%	51,945
VT		85%	46,450	77%	577,539

County numbers and percentages are capped at 95%. An additional value may also be suppressed since the total values include the true totals.

Race/ethnicity information is not reported for 5% of people vaccinated. **BIPOC** refers to Black, Indigenous, and people of color.

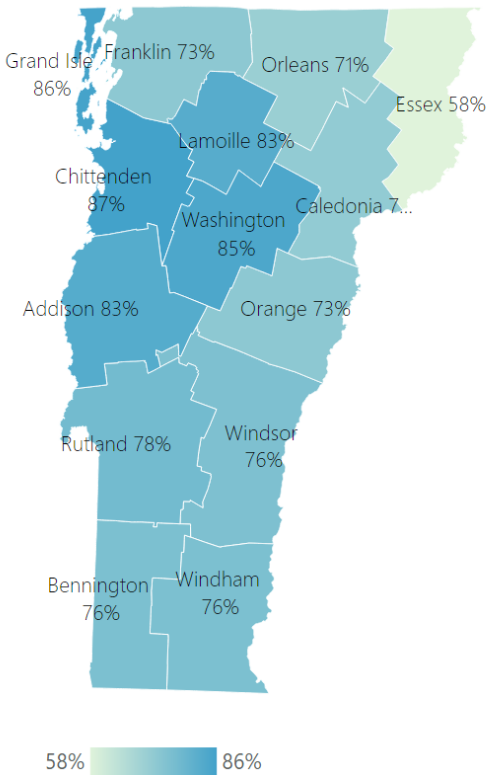
Source: Vermont Immunization Registry (April 11, 2023), VDH Population Estimates (2019)

Vaccination Rates for COVID-19 Completed Primary Series by County and Ethnicity

The percent of the population age 0+ that has completed a primary vaccination series by county and by ethnicity. Ethnicity information is not reported for 4% of people vaccinated.

County numbers and percentages are capped at 95%. An additional value may also be suppressed since the total values include the true totals.

Ethnicity information is not reported for 4% of people vaccinated.



County	Hispanic		Not Hispanic	
	%	Pop estimate	%	Pop estimate
Addison	95%	841	81%	35,936
Bennington	95%	790	71%	34,680
Caledonia	73%	496	70%	29,497
Chittenden	95%	4,029	84%	159,745
Essex	67%	91	54%	6,072
Franklin	95%	846	69%	48,556
Grand Isle	95%	151	84%	7,084
Lamoille	95%	469	80%	24,893
Orange	95%	402	71%	28,490
Orleans	95%	452	68%	26,585
Rutland	95%	936	76%	57,255
Washington	95%	1,168	81%	57,241
Windham	83%	1,030	73%	41,192
Windsor	91%	1,018	73%	54,044
VT	100%	12,719	77%	611,270

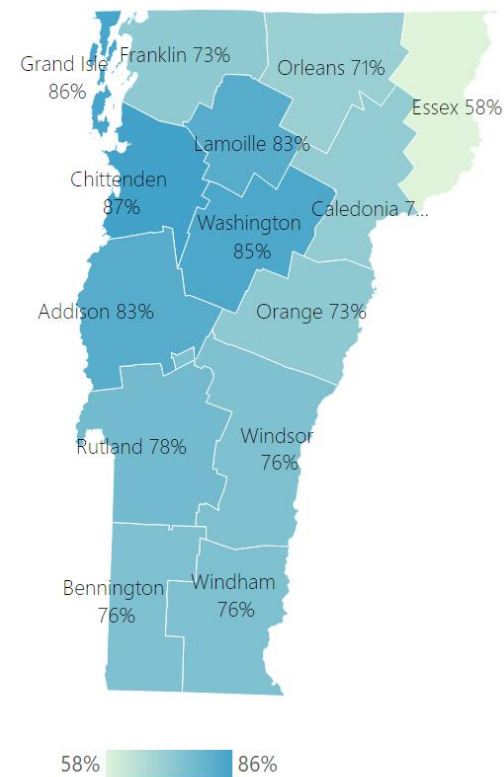
Source: Vermont Immunization Registry (April 11, 2023), VDH Population Estimates (2019)

Vaccination Rates for COVID-19 Completed Primary Series by County and Age

The percent of the population age 0+ that has completed a primary vaccination series by county and by age group.

County numbers and percentages are capped at 95%. An additional value may also be suppressed since the total values include the true totals.

Age is based on a person's age as of April 1, 2023.

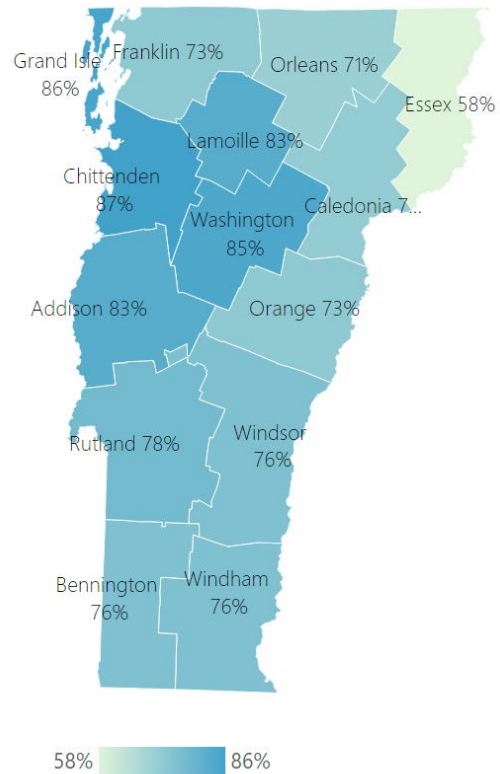


County	Under 5	5 - 11	12 - 17	18 - 29	30 - 39	40 - 49	50 - 59	60 - 64	65 - 69	70 - 74	75+
Addison	26%	64%	80%	65%	91%	85%	84%	90%	95%	95%	95%
Bennington	13%	42%	66%	62%	76%	77%	78%	86%	95%	95%	95%
Caledonia	12%	43%	63%	61%	71%	74%	75%	81%	86%	95%	95%
Chittenden	33%	73%	83%	63%	95%	95%	92%	95%	95%	95%	95%
Essex	5%	22%	39%	52%	*	54%	59%	60%	91%	79%	93%
Franklin	11%	44%	63%	69%	78%	77%	76%	87%	95%	95%	95%
Grand Isle	13%	47%	77%	70%	84%	86%	80%	95%	95%	95%	95%
Lamoille	16%	52%	81%	64%	84%	91%	91%	95%	95%	95%	95%
Orange	12%	46%	69%	61%	68%	75%	71%	82%	93%	95%	95%
Orleans	7%	31%	53%	61%	66%	77%	78%	80%	90%	95%	95%
Rutland	8%	42%	64%	61%	82%	81%	78%	93%	95%	95%	95%
Washington	25%	61%	77%	65%	94%	90%	88%	95%	95%	95%	95%
Windham	14%	47%	69%	63%	74%	82%	73%	86%	90%	95%	95%
Windsor	16%	50%	58%	65%	70%	77%	74%	84%	95%	95%	95%
VT	19%	54%	71%	64%	85%	85%	82%	91%	100%	100%	100%

Source: Vermont Immunization Registry (April 11, 2023), VDH Population Estimates (2019)

Vaccination Rates for COVID-19 Completed Primary Series by County and Gender

The percent of the population age 0+ that has completed a primary vaccination series by county and by gender. Gender is not reported for 491 people vaccinated.



County	Female		Male	
	%	Pop estimate	%	Pop estimate
Addison	86%	18,410	81%	18,367
Bennington	78%	18,196	74%	17,274
Caledonia	75%	15,021	69%	14,972
Chittenden	88%	83,675	85%	80,099
Essex	59%	3,065	57%	3,098
Franklin	76%	24,783	70%	24,619
Grand Isle	91%	3,571	82%	3,664
Lamoille	85%	12,677	81%	12,685
Orange	76%	14,386	70%	14,506
Orleans	74%	13,492	67%	13,545
Rutland	81%	29,375	75%	28,816
Washington	88%	29,363	81%	29,046
Windham	78%	21,559	74%	20,663
Windsor	78%	28,100	73%	26,962
VT	82%	315,673	77%	308,316

Gender information is not reported for <0.5% of people vaccinated. The categorization of **male/female** for some people is based on sex assignment at birth, while for others, it is based on gender. This is due to the varying sources and ways the information is reported. **Gender not reported** may mean the provider did not collect that information, the patient did not provide it, or the provider or the patient selected a category other than male or female. **Non-binary** data is shown on page 8.

Source: Vermont Immunization Registry (April 11, 2023), VDH Population Estimates (2019)

Data Notes

BIPOC refers to Black, Indigenous, and people of color.

The categorization of **male/female** for some people is based on sex assignment at birth, while for others, it is based on gender. This is due to the varying sources and ways the information is reported.

Gender not reported may mean the provider did not collect that information, the patient did not provide it, or the provider or the patient selected a category other than male or female.

Non-binary means a person whose gender identity is not exclusively male or female, including, but not limited to, a person whose gender identity is intersex, agender, amalgagender, androgynous, bigender, demigender, genderfluid, genderqueer, gender non-conforming, neutrois, nonbinary, pangender, third sex, transgender, Two-Spirit, or otherwise unspecified by the person.

Data Notes

Percentages are based on population estimates. Population estimates, in some cases, may underestimate or overestimate the true population number.

People who passed away prior to January 1, 2023 are not included, except on the doses administered page (page 4).

Age is based on a person's age as of April 1, 2023.

See [here](#) to learn more about the general data suppression rules applied on Vermont Department of Health vaccine data reports.

About the Vermont Immunization Registry (IMR)

Data in this report are sourced from the Vermont Immunization Registry and may differ from CDC data.

The Vermont Immunization Registry (IMR) is a confidential, computerized system for maintaining immunization records. Launched in July 2004, it was designed, developed and is operated by the Vermont Department of Health. State law requires vaccine providers to report to the IMR.

Information is submitted to the IMR via HL7 message, periodic files sent for import, and manual entry. Those reporting to the IMR include provider offices (90%), all hospitals, pharmacies, and the five largest health insurers in Vermont.

Information on vaccinations provided to Vermont residents outside of Vermont include:

- People seeking care in New Hampshire at Dartmouth Hitchcock Medical Center
- People who are vaccinated in New York

IMR staff remove duplicate records, as the same information may be submitted from multiple sources (for example, insurer and medical practice).