



Weekly COVID-19 Vaccination Report

The Weekly COVID-19 Vaccination Report includes the most currently available information on vaccines administered, as well as more granular information by geography, demographic factors, and more.

This report will be posted each Wednesday.

An important note regarding vaccination progress

Source: Centers for Disease Control and Prevention. COVID Data Tracker.

Atlanta, GA: US Department of Health and Human Services, CDC; January 11, 2023.

<https://covid.cdc.gov/covid-data-tracker>

Massachusetts currently ranks tied for first among US states for the rate of persons with one or more doses administered per capita.

Massachusetts currently ranks first for the rate of persons with one or more doses per capita among states with populations of five million people or more.



Please note: This report reflects data available in the Massachusetts Immunization Information System (MIIS) as of Monday at 11:59PM and is pulled every Tuesday. Due to provider reporting of administration data and data processing, data may be available in MIIS 24-48 hours or more after administration. Due to time needed for inputting shipment data, shipment data may be available in MIIS 24-48 hours or more after shipment. MIIS data are available for analysis one calendar day after they are reported to the MIIS. Data are current as of time of publication and may be subject to change in future publications as additional data are reported. All data are from MIIS unless otherwise noted.

COVID-19 Vaccines Administered

Data as of January 16, 2023

Administered (MIIS)* through Monday, January 16, 2023 (Running totals by day)

	January 10, 2023	January 11, 2023	January 12, 2023	January 13, 2023	January 14, 2023	January 15, 2023	January 16, 2023
At least one dose -- number of people who received at least one dose of Moderna, Pfizer, Novavax, or Johnson & Johnson vaccine	6,545,093	6,545,954	6,546,734	6,547,568	6,548,121	6,548,353	6,548,487
Fully vaccinated -- number of people who received a primary series of Moderna, Pfizer, Novavax or Johnson & Johnson vaccine**	5,618,044	5,618,531	5,618,984	5,619,451	5,619,704	5,619,801	5,619,887
First booster doses -- number of people who received a booster dose of Moderna, Pfizer, or Johnson & Johnson vaccine***	3,472,232	3,473,247	3,474,168	3,475,124	3,475,744	3,475,979	3,476,172
Second booster doses -- number of people who have received at least 2 booster doses****	1,567,433	1,570,084	1,572,639	1,575,616	1,577,670	1,578,424	1,578,981
Total Doses Administered (MIIS)	17,425,729	17,431,987	17,437,843	17,444,268	17,448,416	17,449,957	17,451,245

*Data from the Massachusetts Immunization Information System (MIIS) are as of midnight the night before.

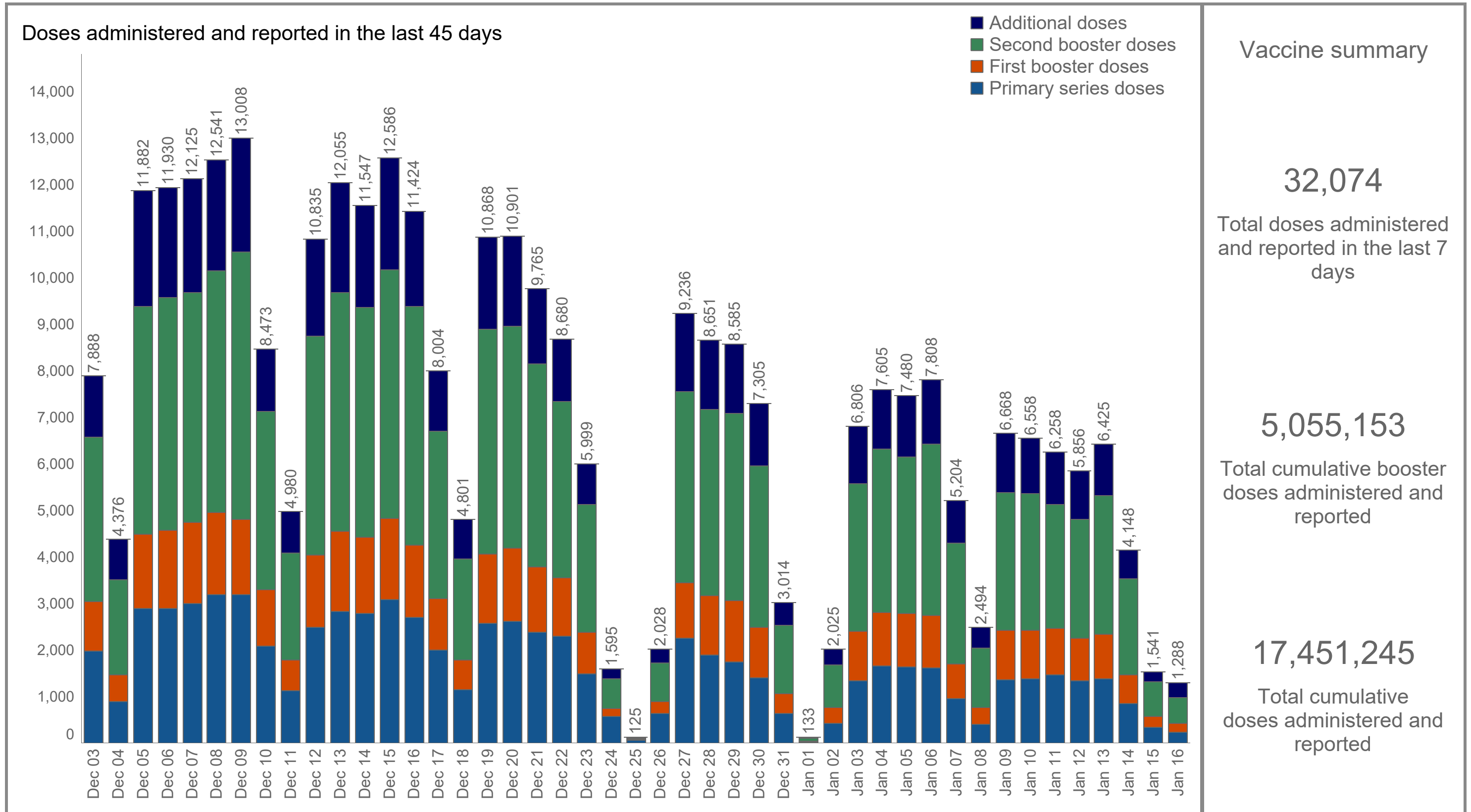
**An individual is counted as fully vaccinated if they have received the number of doses required to complete the primary series for their age and all of these doses have been reported to MIIS. Pfizer recipients under 5 years of age require three doses of vaccine; all other Pfizer recipients require two doses. Moderna and Novavax recipients require two doses of vaccine. Janssen/Johnson & Johnson recipients require one dose of vaccine.

***See the definitions page at the end of this document for the full definition. Booster doses are currently recommended for everyone aged 5 years and older. See <https://www.mass.gov/info-details/covid-19-booster-frequently-asked-questions> for details on which formulation of vaccine is recommended at which intervals.

****Second booster doses: Number of individuals who have received an additional dose after their first booster dose.

COVID-19 Vaccine Doses Administered

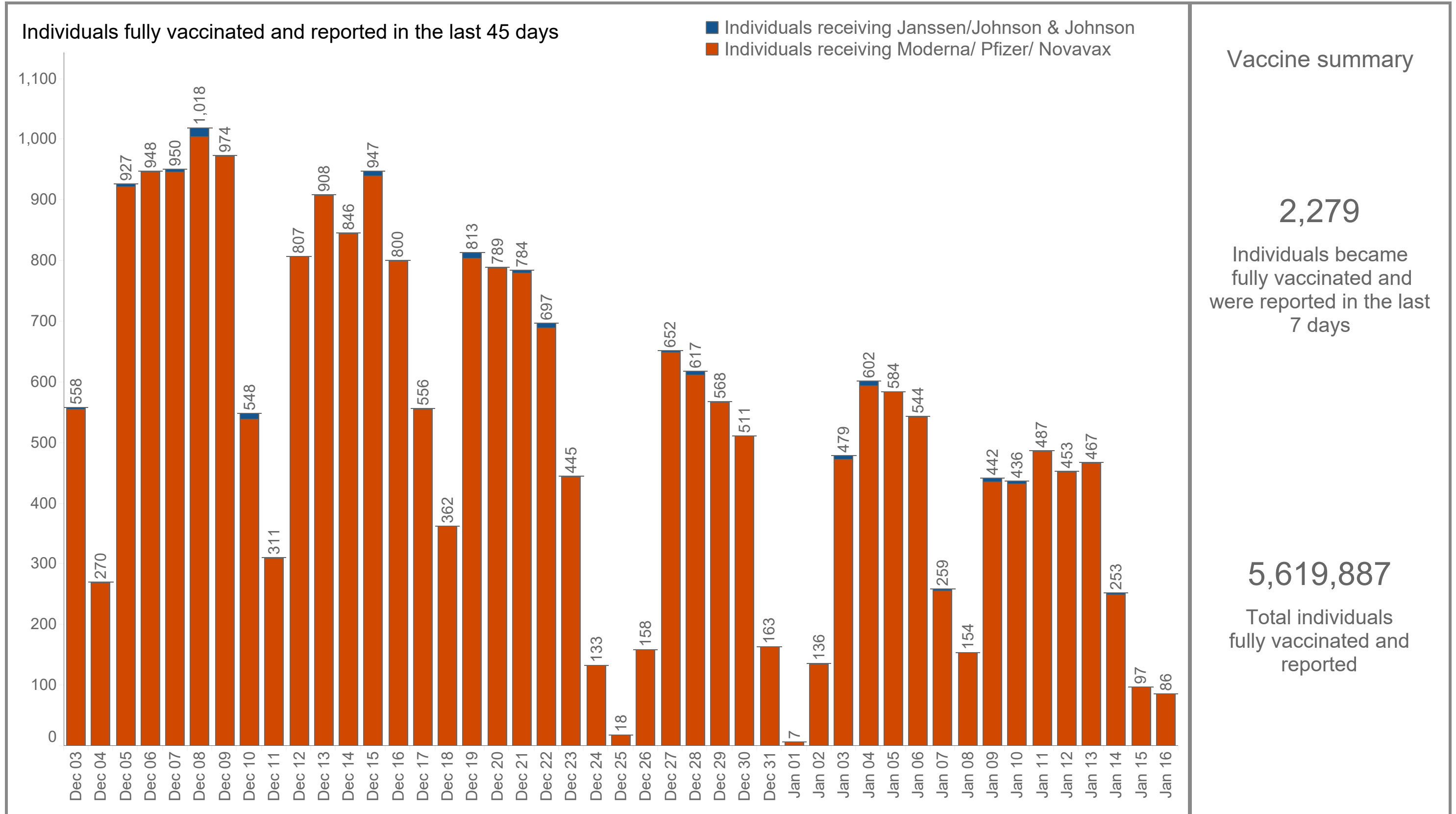
Data as of January 16, 2023



Note: Data from MIIS (see "definitions"). Data reflect doses administered (see "definitions"). Dates reflect the date doses were administered. Doses administered: All valid doses of Janssen/Johnson & Johnson, Moderna, Novavax, and Pfizer COVID-19 vaccine that have been given to people by providers and reported to MIIS are included in this measurement. Primary series doses: the number of doses required to complete the primary series for their age and all of these doses have been reported to MIIS. Pfizer recipients under 5 years of age require three doses of vaccine; all other Pfizer recipients require two doses. Moderna and Novavax recipients require two doses of vaccine. Janssen/Johnson & Johnson recipients require one dose of vaccine. See the definitions page at the end of this document.

Individuals Fully Vaccinated

Data as of January 16, 2023



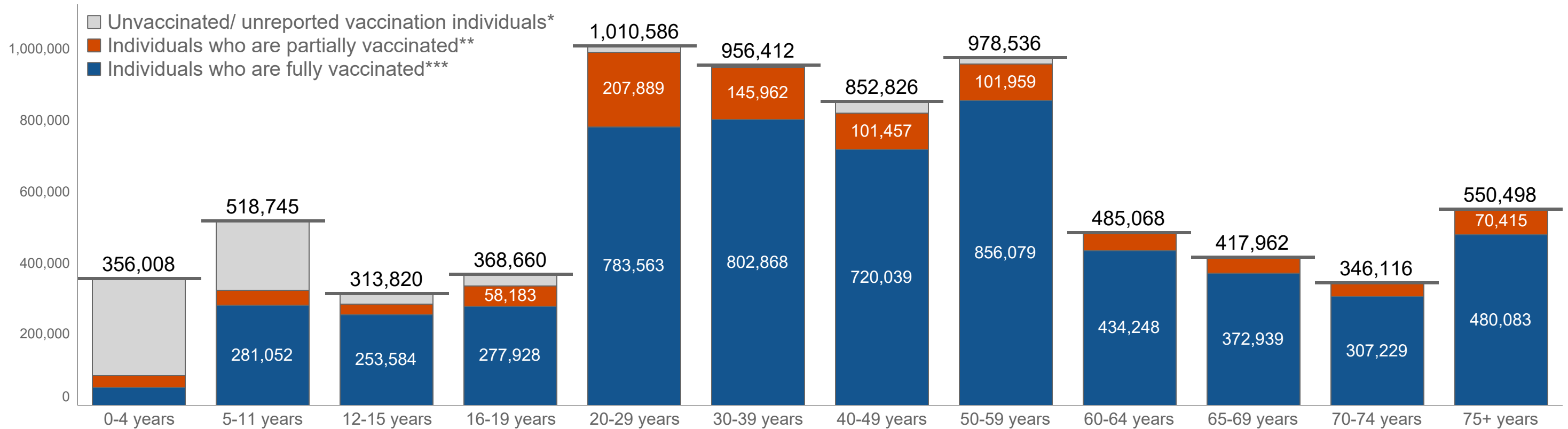
NOTE: Data from MIIS (see "definitions"). Dates reflect the date doses were administered. Individuals fully vaccinated: An individual is counted as fully vaccinated if they have received the number of doses required to complete the primary series for their age and all of these doses have been reported to MIIS. Pfizer recipients under 5 years of age require three doses of vaccine; all other Pfizer recipients require two doses. Moderna and Novavax recipients require two doses of vaccine. Janssen/Johnson & Johnson recipients require one dose of vaccine.

Individuals with at Least One Dose

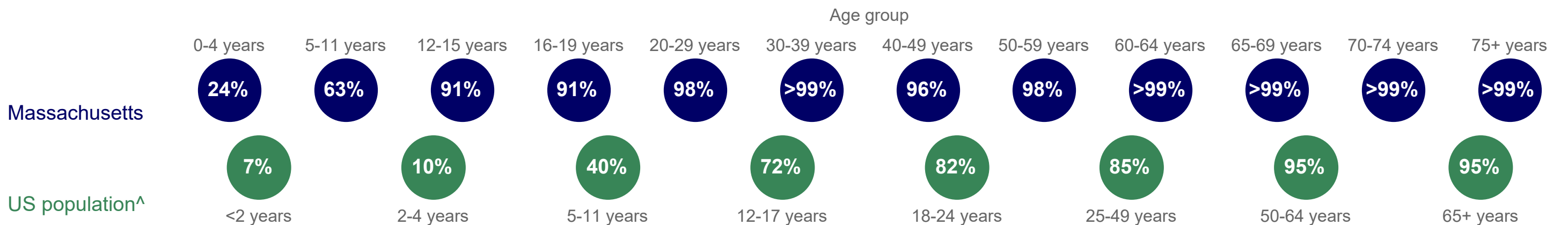
Data as of January 16, 2023

In Massachusetts, 93% of the population has received at least one dose, compared with 81% of the US population.

Vaccination status of individuals by age group (cumulative)



Percent of population with at least one dose



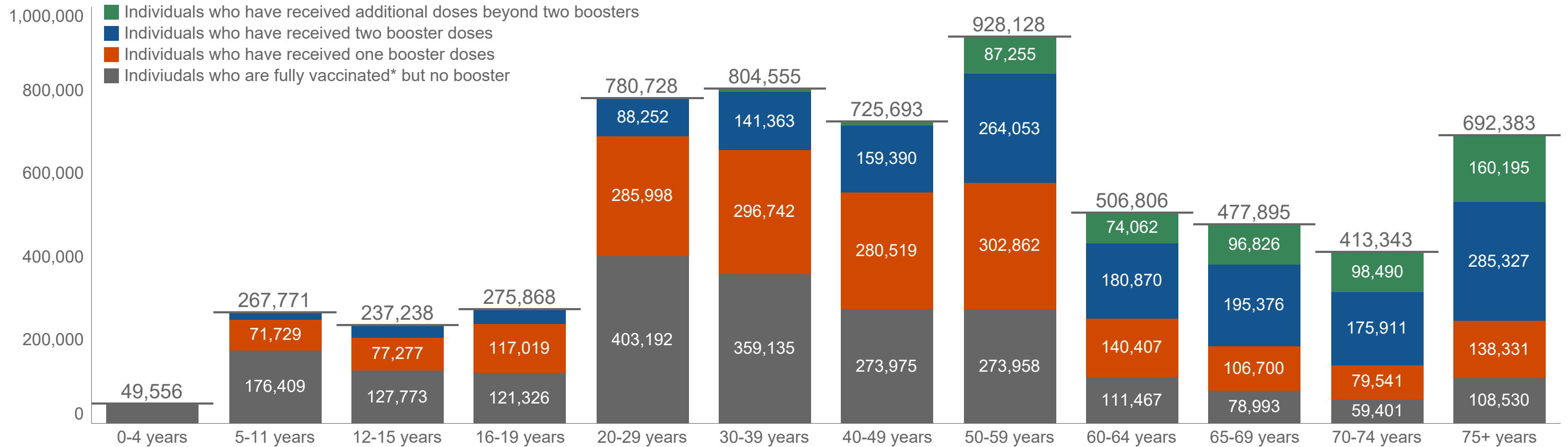
Vaccination status is reported at the age at which the vaccine was administered. Individuals transition into older age groups over time keeping aggregate totals consistent across the sum of all age categories.
 *Unvaccinated/unreported vaccination individuals: This is the population estimate for the subpopulation minus the number of people who received at least one dose of vaccine. It is important to recall that not being represented in MIIS does not necessarily mean someone has not received vaccine. **Individuals who are partially vaccinated are those who have received at least one dose, but have not completed a primary series. ***Individuals fully vaccinated: An individual is counted as fully vaccinated if they have received the number of doses required to complete the primary series for their age and all of these doses have been reported to MIIS. Pfizer recipients under 5 years of age require three doses of vaccine; all other Pfizer recipients require two doses. Moderna and Novavax recipients require two doses of vaccine. Janssen/Johnson & Johnson recipients require one dose of vaccine. ^CDC percent of population coverage metrics are capped at 95%. For more information: <https://www.cdc.gov/coronavirus/2019-ncov/vaccines/reporting-vaccinations.html> Sources: (1) Massachusetts Immunization Information System (MIIS). MIIS data are available for analysis one calendar day after they are reported to the MIIS. Data are current as of time of publication and are subject to change in future publications as additional data are reported. (2) Centers for Disease Control and Prevention. COVID Data Tracker. Atlanta, GA: US Department of Health and Human Services, CDC;2023-01-11://[covid.cdc.gov/covid-data-tracker](https://www.cdc.gov/covid-data-tracker) (3) MDPH calculates rates per 100,000 population using denominators estimated by the University of Massachusetts Donahue Institute using a modified Hamilton-Perry model (Strate S, et al. Small Area Population Estimates for 2011 through 2020, report, Oct 2016.)

Individuals who have Received Booster Doses

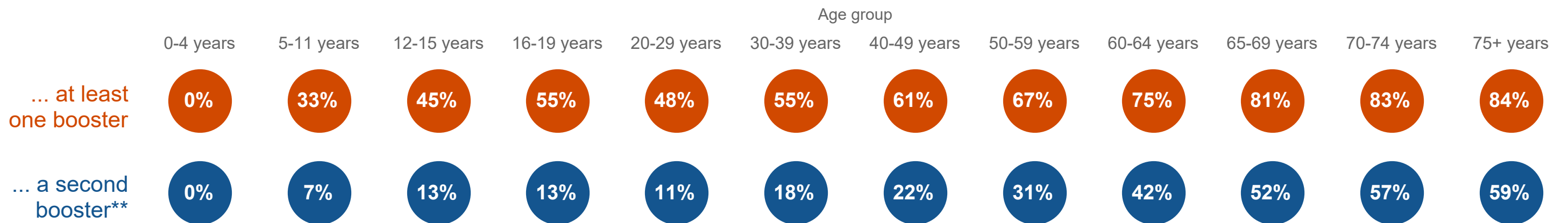
Data as of January 16, 2023

In Massachusetts, 62% of those fully vaccinated have received a booster dose.

Booster status of fully vaccinated individuals by age group



Percent of the Massachusetts fully vaccinated* population with...



Vaccination status is reported at the age at which the vaccine was administered. Individuals transition into older age groups over time keeping aggregate totals consistent across the sum of all age categories.

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Individuals Fully Vaccinated

Data as of January 16, 2023

Individuals fully vaccinated by county, race, and Hispanic ethnicity (1 of 2)

Number of people in the county and race/ethnicity group who are fully vaccinated divided by the estimated population in the county and race/ethnicity group

	American Indian or Alaskan Native	Asian	Black or African American	Hispanic	Multi-race	Native Hawaiian or Pacific Islander	White	Unknown/ Other race**	Total
Barnstable	45% of 1,171 residents	70% of 3,230 residents	80% of 6,644 residents	>95% of 7,637 residents	38% of 12,144 residents	>95% of 53 residents	79% of 198,117 residents	3% of 228,996 Barnstable county residents	81% of 228,996 residents
Berkshire	54% of 153 residents	72% of 1,978 residents	64% of 4,132 residents	63% of 6,619 residents	40% of 5,666 residents	*	77% of 110,470 residents	3% of 129,026 Berkshire county residents	76% of 129,026 residents
Bristol	46% of 1,045 residents	65% of 13,752 residents	77% of 24,506 residents	63% of 53,995 residents	37% of 32,048 residents	>95% of 148 residents	66% of 453,707 residents	3% of 579,200 Bristol county residents	67% of 579,200 residents
Dukes	51% of 219 residents	>95% of 181 residents	>95% of 809 residents	>95% of 452 residents	23% of 1,899 residents	*	81% of 17,031 residents	8% of 20,600 Dukes county residents	87% of 20,600 residents
Essex	47% of 808 residents	75% of 29,651 residents	79% of 27,604 residents	59% of 181,759 residents	69% of 26,257 residents	>95% of 155 residents	80% of 543,595 residents	3% of 809,829 Essex county residents	78% of 809,829 residents
Franklin	51% of 122 residents	85% of 1,215 residents	66% of 985 residents	57% of 3,329 residents	35% of 3,207 residents	*	77% of 62,163 residents	3% of 71,029 Franklin county residents	76% of 71,029 residents
Hampden	58% of 646 residents	71% of 12,176 residents	60% of 36,442 residents	51% of 120,694 residents	56% of 15,087 residents	>95% of 165 residents	71% of 280,615 residents	4% of 465,825 Hampden county residents	69% of 465,825 residents
Hampshire	50% of 199 residents	51% of 10,709 residents	53% of 4,398 residents	49% of 11,248 residents	44% of 6,930 residents	>95% of 43 residents	75% of 128,781 residents	3% of 162,308 Hampshire county residents	73% of 162,308 residents

* Vaccination figures with fewer than 30 people are suppressed for privacy.

** "Unknown/other race" is shown as a % of the row population (county or state). "Unknown/unspecified county" is shown as a % of the column population (age or race/ethnicity group).

Individuals fully vaccinated: An individual is counted as fully vaccinated if they have received the number of doses required to complete the COVID-19 vaccine series for their age and all of these doses have been reported to MIIS. Pfizer recipients under 5 years of age require three doses of vaccine; all other Pfizer recipients require two doses. Moderna and Novavax recipients require two doses of vaccine. Janssen/Johnson & Johnson recipients require one dose of vaccine.

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Individuals Fully Vaccinated

Data as of January 16, 2023

Individuals fully vaccinated by county, race, and Hispanic ethnicity (2 of 2)

Number of people in the county and race/ethnicity group who are fully vaccinated divided by the estimated population in the county and race/ethnicity group

	American Indian or Alaskan Native	Asian	Black or African American	Hispanic	Multi-race	Native Hawaiian or Pacific Islander	White	Unknown/ Other race**	Total
Middlesex	65% of 1,511 residents	77% of 212,123 residents	73% of 84,324 residents	76% of 141,738 residents	85% of 81,692 residents	>95% of 380 residents	81% of 1,110,235 residents	4% of 1,632,002 Middlesex county residents	84% of 1,632,002 residents
Nantucket	*	75% of 274 residents	>95% of 1,025 residents	89% of 2,175 residents	29% of 615 residents	*	76% of 10,149 residents	7% of 14,255 Nantucket county residents	84% of 14,255 residents
Norfolk	50% of 736 residents	77% of 88,772 residents	76% of 50,563 residents	71% of 37,460 residents	>95% of 29,540 residents	>95% of 151 residents	79% of 518,759 residents	3% of 725,981 Norfolk county residents	82% of 725,981 residents
Plymouth	34% of 893 residents	67% of 7,962 residents	81% of 48,249 residents	68% of 23,417 residents	46% of 35,840 residents	61% of 220 residents	75% of 414,238 residents	2% of 530,819 Plymouth county residents	75% of 530,819 residents
Suffolk	51% of 1,235 residents	81% of 81,295 residents	77% of 142,086 residents	75% of 177,973 residents	64% of 37,543 residents	>95% of 357 residents	71% of 357,446 residents	4% of 797,936 Suffolk county residents	78% of 797,936 residents
Worcester	46% of 1,183 residents	72% of 46,778 residents	61% of 45,164 residents	68% of 110,448 residents	56% of 37,582 residents	>95% of 145 residents	72% of 620,810 residents	2% of 862,111 Worcester county residents	73% of 862,111 residents
Unknown/ Unspecified**	3% of 9,939 AI/AN residents	3% of 510,096 Asian residents	2% of 476,930 Black residents	1% of 878,944 Hispanic residents	1% of 326,050 Multi-race residents	7% of 1,841 NH/PI residents	3% of 4,826,116 White residents	0% of 7,029,917 MA residents	3% of 7,029,917 residents
Massachusetts	53% of 9,939 residents	79% of 510,096 residents	75% of 476,930 residents	68% of 878,944 residents	66% of 326,050 residents	>95% of 1,841 residents	79% of 4,826,116 residents	3% of 7,029,917 MA residents	80% of 7,029,917 residents

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Individuals Fully Vaccinated

Data as of January 16, 2023

Individuals fully vaccinated by county and age group (1 of 2)

Number of people in the county and age group who are fully vaccinated divided by the estimated population in the county and age group

	0-4 years	5-11 years	12-15 years	16-19 years	20-29 years	30-39 years	40-49 years	50-59 years	60-64 years	65-69 years	70-74 years	75+ years	Total
Barnstable	7% of 8,117 residents	43% of 12,225 residents	74% of 7,999 residents	82% of 8,444 residents	73% of 22,109 residents	85% of 20,313 residents	81% of 21,363 residents	83% of 34,083 residents	90% of 21,351 residents	90% of 21,806 residents	93% of 19,831 residents	>95% of 31,352 residents	81% of 228,996 residents
Berkshire	10% of 5,429 residents	55% of 8,296 residents	74% of 5,380 residents	69% of 6,484 residents	65% of 15,369 residents	80% of 13,757 residents	79% of 13,736 residents	81% of 19,125 residents	89% of 10,525 residents	90% of 9,518 residents	>95% of 8,017 residents	91% of 13,390 residents	76% of 129,026 residents
Bristol	5% of 30,091 residents	31% of 45,540 residents	62% of 27,527 residents	67% of 29,121 residents	60% of 74,766 residents	67% of 73,958 residents	71% of 73,224 residents	78% of 85,414 residents	87% of 39,125 residents	92% of 31,728 residents	94% of 25,741 residents	87% of 42,964 residents	67% of 579,200 residents
Dukes	9% of 882 residents	59% of 1,267 residents	>95% of 785 residents	>95% of 653 residents	>95% of 2,070 residents	>95% of 2,359 residents	94% of 2,432 residents	85% of 3,147 residents	84% of 1,702 residents	81% of 1,801 residents	88% of 1,574 residents	91% of 1,929 residents	87% of 20,600 residents
Essex	11% of 44,345 residents	52% of 64,079 residents	80% of 38,871 residents	79% of 41,764 residents	72% of 102,396 residents	82% of 101,407 residents	82% of 99,259 residents	86% of 118,474 residents	93% of 56,226 residents	>95% of 46,143 residents	>95% of 36,776 residents	93% of 60,087 residents	78% of 809,829 residents
Franklin	11% of 3,011 residents	47% of 4,819 residents	73% of 2,910 residents	89% of 2,764 residents	70% of 7,572 residents	76% of 8,732 residents	75% of 8,315 residents	80% of 10,333 residents	85% of 6,159 residents	92% of 5,875 residents	>95% of 4,581 residents	92% of 5,954 residents	76% of 71,029 residents
Hampden	3% of 24,918 residents	36% of 38,042 residents	64% of 23,128 residents	62% of 26,022 residents	59% of 65,472 residents	70% of 59,405 residents	75% of 53,671 residents	81% of 62,992 residents	88% of 31,187 residents	94% of 25,936 residents	>95% of 20,519 residents	90% of 34,534 residents	69% of 465,825 residents
Hampshire	19% of 5,278 residents	65% of 8,930 residents	82% of 5,934 residents	38% of 16,019 residents	47% of 33,434 residents	84% of 16,604 residents	85% of 16,047 residents	87% of 20,206 residents	>95% of 10,664 residents	>95% of 9,895 residents	>95% of 7,914 residents	>95% of 11,383 residents	73% of 162,308 residents

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** "Unknown/unspecified county" is shown as a % of the column population (age or race/ethnicity group).

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Individuals Fully Vaccinated

Data as of January 16, 2023

Individuals fully vaccinated by county and age group (2 of 2)

Number of people in the county and age group who are fully vaccinated divided by the estimated population in the county and age group

	0-4 years	5-11 years	12-15 years	16-19 years	20-29 years	30-39 years	40-49 years	50-59 years	60-64 years	65-69 years	70-74 years	75+ years	Total
Middlesex	23% of 83,667 residents	69% of 121,734 residents	92% of 73,083 residents	80% of 82,715 residents	79% of 242,436 residents	86% of 242,118 residents	89% of 206,995 residents	89% of 222,367 residents	95% of 100,804 residents	>95% of 81,083 residents	>95% of 64,640 residents	95% of 110,359 residents	84% of 1,632,002 residents
Nantucket	*	47% of 1,012 residents	87% of 562 residents	>95% of 507 residents	>95% of 1,722 residents	94% of 2,214 residents	92% of 2,184 residents	92% of 2,082 residents	88% of 945 residents	93% of 764 residents	>95% of 562 residents	82% of 847 residents	84% of 14,255 residents
Norfolk	22% of 37,515 residents	66% of 56,630 residents	86% of 35,180 residents	85% of 36,428 residents	80% of 90,767 residents	85% of 95,497 residents	83% of 93,243 residents	88% of 105,961 residents	94% of 48,444 residents	>95% of 39,164 residents	>95% of 31,323 residents	90% of 55,829 residents	82% of 725,981 residents
Plymouth	9% of 27,514 residents	44% of 42,518 residents	71% of 26,597 residents	79% of 27,177 residents	70% of 61,517 residents	77% of 61,280 residents	77% of 65,393 residents	83% of 81,528 residents	90% of 38,334 residents	>95% of 31,886 residents	>95% of 26,374 residents	>95% of 40,701 residents	75% of 530,819 residents
Suffolk	14% of 40,171 residents	54% of 47,420 residents	86% of 26,325 residents	58% of 46,527 residents	79% of 176,345 residents	82% of 145,860 residents	87% of 88,768 residents	88% of 87,549 residents	88% of 40,123 residents	92% of 32,272 residents	>95% of 24,580 residents	87% of 41,995 residents	78% of 797,936 residents
Worcester	9% of 45,082 residents	45% of 68,600 residents	73% of 42,016 residents	72% of 46,659 residents	67% of 114,476 residents	75% of 111,763 residents	77% of 108,360 residents	81% of 126,900 residents	88% of 58,820 residents	93% of 46,033 residents	>95% of 35,450 residents	89% of 57,952 residents	73% of 862,111 residents
Unknown/ Unspecified**	0% of 356,875 MA residents 0-4 Years	1% of 521,112 MA residents 5-11 Years	1% of 316,296 MA residents 12-15 Years	2% of 371,285 MA residents 16-19 Years	5% of 1,010,451 MA residents 20-29 Years	4% of 955,267 MA residents 30-39 Years	3% of 852,990 MA residents 40-49 Years	2% of 980,162 MA residents 50-59 Years	3% of 464,409 MA residents 60-64 Years	2% of 383,903 MA residents 65-69 Years	2% of 307,883 MA residents 70-74 Years	2% of 509,277 MA residents 75+ Years	3% of 7,029,917 residents
Massachusetts	14% of 356,875 residents	54% of 521,112 residents	80% of 316,296 residents	75% of 371,285 residents	78% of 1,010,451 residents	84% of 955,267 residents	84% of 852,990 residents	87% of 980,162 residents	94% of 464,409 residents	>95% of 383,903 residents	>95% of 307,883 residents	94% of 509,277 residents	80% of 7,029,917 residents

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Individuals who have Received Booster Doses

Data as of January 16, 2023

Individuals with at least one booster dose administered by county, race, and Hispanic ethnicity (1 of 2)

Number of people in the county and race/ethnicity group with at least one booster dose divided by the fully vaccinated population in the county and race/ethnicity group

	American Indian or Alaskan Native	Asian	Black or African American	Hispanic	Multi-race	Native Hawaiian or Pacific Islander	White	Unknown/ Other race**	Total
Barnstable	57% of 532 residents	61% of 2,272 residents	40% of 5,318 residents	50% of 8,201 residents	73% of 4,623 residents	42% of 96 residents	69% of 157,067 residents	1% of 185,179 Barnstable county residents	66% of 185,179 residents
Berkshire	41% of 82 residents	55% of 1,432 residents	47% of 2,645 residents	48% of 4,179 residents	67% of 2,293 residents	*	66% of 84,634 residents	1% of 98,640 Berkshire county residents	64% of 98,640 residents
Bristol	33% of 479 residents	55% of 8,912 residents	45% of 18,853 residents	43% of 33,787 residents	65% of 11,975 residents	35% of 179 residents	59% of 299,694 residents	1% of 388,949 Bristol county residents	56% of 388,949 residents
Dukes	58% of 113 residents	66% of 174 residents	45% of 869 residents	45% of 957 residents	69% of 429 residents	*	69% of 13,720 residents	2% of 17,949 Dukes county residents	62% of 17,949 residents
Essex	35% of 379 residents	63% of 22,384 residents	49% of 21,859 residents	45% of 107,002 residents	71% of 17,988 residents	47% of 209 residents	67% of 434,220 residents	1% of 628,655 Essex county residents	61% of 628,655 residents
Franklin	*	58% of 1,028 residents	51% of 650 residents	52% of 1,886 residents	74% of 1,120 residents	*	69% of 47,560 residents	1% of 54,250 Franklin county residents	67% of 54,250 residents
Hampden	38% of 378 residents	55% of 8,662 residents	50% of 21,997 residents	44% of 61,550 residents	66% of 8,391 residents	45% of 191 residents	63% of 199,888 residents	2% of 319,808 Hampden county residents	56% of 319,808 residents
Hampshire	58% of 99 residents	61% of 5,503 residents	57% of 2,319 residents	57% of 5,533 residents	78% of 3,016 residents	*	73% of 97,097 residents	1% of 118,523 Hampshire county residents	70% of 118,523 residents

* Vaccination figures with fewer than 30 people are suppressed for privacy.

** "Unknown/other race" is shown as a % of the row population (county or state). "Unknown/unspecified county" is shown as a % of the column population (age or race/ethnicity group).

Booster doses administered: See the definitions page at the end of this document.

Source: Massachusetts Immunization Information System (MIIS). MIIS data are available for analysis one calendar day after they are reported to the MIIS. Data are current as of time of publication and are subject to change in future publications as additional data are reported. Data reflect doses administered (see "definitions"). Population estimates source: MDPH calculates rates per 100,000 population using denominators estimated by the University of Massachusetts Donahue Institute using a modified Hamilton-Perry model (Strate S, et al. Small Area Population Estimates for 2011 through 2020, report, Oct 2016.)

Note about totals: The difference in the Massachusetts state population total created by summing the age categories and by summing the race categories is expected due to the manner in which the estimates were created with small, compounded rounding and records with unknown demographic information.

Individuals who have Received Booster Doses

Data as of January 16, 2023

Individuals with at least one booster dose administered by county, race, and Hispanic ethnicity (2 of 2)

Number of people in the county and race/ethnicity group with at least one booster dose divided by the fully vaccinated population in the county and race/ethnicity group

	American Indian or Alaskan Native	Asian	Black or African American	Hispanic	Multi-race	Native Hawaiian or Pacific Islander	White	Unknown/ Other race**	Total
Middlesex	41% of 987 residents	66% of 164,037 residents	55% of 61,667 residents	49% of 107,149 residents	77% of 69,119 residents	49% of 494 residents	71% of 902,391 residents	1% of 1,364,561 Middlesex county residents	67% of 1,364,561 residents
Nantucket	*	62% of 205 residents	36% of 988 residents	29% of 1,939 residents	69% of 176 residents	*	63% of 7,679 residents	1% of 11,931 Nantucket county residents	52% of 11,931 residents
Norfolk	41% of 368 residents	69% of 67,955 residents	56% of 38,333 residents	55% of 26,699 residents	76% of 31,993 residents	51% of 231 residents	70% of 412,274 residents	1% of 596,241 Norfolk county residents	67% of 596,241 residents
Plymouth	37% of 303 residents	64% of 5,370 residents	45% of 39,158 residents	48% of 15,866 residents	67% of 16,493 residents	44% of 134 residents	65% of 308,781 residents	1% of 399,121 Plymouth county residents	61% of 399,121 residents
Suffolk	43% of 625 residents	63% of 66,022 residents	56% of 109,826 residents	50% of 134,063 residents	74% of 23,873 residents	49% of 604 residents	67% of 254,054 residents	1% of 620,533 Suffolk county residents	59% of 620,533 residents
Worcester	35% of 545 residents	63% of 33,713 residents	49% of 27,676 residents	45% of 75,291 residents	71% of 20,975 residents	47% of 217 residents	65% of 447,198 residents	1% of 626,738 Worcester county residents	61% of 626,738 residents
Unknown/ Unspecified**	2% of 5,240 AI/AN residents	2% of 401,737 Asian residents	1% of 359,592 Black residents	1% of 596,150 Hispanic residents	1% of 216,190 Multi-race residents	1% of 2,584 NH/PI residents	1% of 3,794,932 White residents	0% of 5,619,887 MA residents	1% of 5,619,887 residents
Massachusetts	41% of 5,240 residents	64% of 401,737 residents	52% of 359,592 residents	47% of 596,150 residents	73% of 216,190 residents	46% of 2,584 residents	66% of 3,794,932 residents	1% of 5,619,887 MA residents	62% of 5,619,887 residents

* Vaccination figures with fewer than 30 people are suppressed for privacy.

** "Unknown/other race" is shown as a % of the row population (county or state). "Unknown/unspecified county" is shown as a % of the column population (age or race/ethnicity group).

Booster doses administered: See the definitions page at the end of this document.

Source: Massachusetts Immunization Information System (MIIS). MIIS data are available for analysis one calendar day after they are reported to the MIIS. Data are current as of time of publication and are subject to change in future publications as additional data are reported. Data reflect doses administered (see "definitions"). Population estimates source: MDPH calculates rates per 100,000 population using denominators estimated by the University of Massachusetts Donahue Institute using a modified Hamilton-Perry model (Strate S, et al. Small Area Population Estimates for 2011 through 2020, report, Oct 2016.)

Note about totals: The difference in the Massachusetts state population total created by summing the age categories and by summing the race categories is expected due to the manner in which the estimates were created with small, compounded rounding and records with unknown demographic information.

Individuals who have Received Booster Doses

Data as of January 16, 2023

Individuals with at least one booster dose administered by county and age group (1 of 2)

Number of people in the county and age group with at least one booster dose divided by the fully vaccinated population in the county and age group

	5-11 years	12-15 years	16-19 years	20-29 years	30-39 years	40-49 years	50-59 years	60-64 years	65-69 years	70-74 years	75+ years	Total
Barnstable	27% of 5,294 residents	38% of 5,906 residents	52% of 6,889 residents	44% of 16,150 residents	46% of 17,184 residents	55% of 17,328 residents	63% of 28,188 residents	74% of 19,150 residents	81% of 19,644 residents	84% of 18,394 residents	87% of 30,450 residents	66% of 185,179 residents
Berkshire	27% of 4,585 residents	43% of 3,987 residents	54% of 4,472 residents	45% of 10,050 residents	51% of 11,002 residents	60% of 10,812 residents	66% of 15,453 residents	75% of 9,315 residents	82% of 8,597 residents	82% of 7,711 residents	85% of 12,139 residents	64% of 98,640 residents
Bristol	22% of 14,044 residents	32% of 17,012 residents	47% of 19,396 residents	41% of 44,962 residents	43% of 49,491 residents	51% of 51,625 residents	59% of 66,202 residents	70% of 33,843 residents	76% of 29,200 residents	78% of 24,103 residents	79% of 37,431 residents	56% of 388,949 residents
Dukes	27% of 746 residents	48% of 769 residents	58% of 720 residents	36% of 1,978 residents	45% of 2,659 residents	56% of 2,290 residents	68% of 2,669 residents	79% of 1,433 residents	82% of 1,460 residents	85% of 1,391 residents	94% of 1,752 residents	62% of 17,949 residents
Essex	28% of 33,140 residents	42% of 31,080 residents	55% of 32,931 residents	46% of 73,673 residents	51% of 82,803 residents	59% of 81,465 residents	66% of 101,370 residents	74% of 52,010 residents	81% of 44,064 residents	82% of 35,552 residents	84% of 55,847 residents	61% of 628,655 residents
Franklin	32% of 2,254 residents	49% of 2,122 residents	53% of 2,466 residents	48% of 5,313 residents	56% of 6,652 residents	64% of 6,226 residents	69% of 8,236 residents	76% of 5,230 residents	82% of 5,399 residents	89% of 4,569 residents	87% of 5,457 residents	67% of 54,250 residents
Hampden	20% of 13,524 residents	33% of 14,790 residents	45% of 16,206 residents	39% of 38,542 residents	44% of 41,398 residents	52% of 40,492 residents	61% of 50,904 residents	71% of 27,572 residents	78% of 24,417 residents	80% of 19,976 residents	81% of 31,130 residents	56% of 319,808 residents
Hampshire	46% of 5,829 residents	61% of 4,870 residents	59% of 6,046 residents	54% of 15,705 residents	62% of 13,880 residents	69% of 13,571 residents	73% of 17,527 residents	79% of 10,181 residents	85% of 9,922 residents	89% of 8,594 residents	90% of 11,384 residents	70% of 118,523 residents

* Vaccination figures with less than 30 people are suppressed for privacy.

** "Unknown/unspecified county" is shown as a % of the column population (age or race/ethnicity group).

Booster doses administered: See the definitions page at the end of this document.

Source: Massachusetts Immunization Information System (MIIS). MIIS data are available for analysis one calendar day after they are reported to the MIIS. Data are current as of time of publication and are subject to change in future publications as additional data are reported. Data reflect doses administered (see "definitions"). Booster doses administered: Data on booster doses administered reflect the additional dose of vaccine after completion of the primary series.

Population estimates source: MDPH calculates rates per 100,000 population using denominators estimated by the University of Massachusetts Donahue Institute using a modified Hamilton-Perry model (Strate S, et al. Small Area Population Estimates for 2011 through 2020, report, Oct 2016.) Note about totals: The difference in the Massachusetts state population total created by summing the age categories and by summing the race categories is expected due to the manner in which the estimates were created with small, compounded rounding and records with unknown demographic information.

Individuals who have Received Booster Doses

Data as of January 16, 2023

Individuals with at least one booster dose administered by county and age group (2 of 2)

Number of people in the county and age group with at least one booster dose divided by the fully vaccinated population in the county and age group

	5-11 years	12-15 years	16-19 years	20-29 years	30-39 years	40-49 years	50-59 years	60-64 years	65-69 years	70-74 years	75+ years	Total
Middlesex	42% of 84,488 residents	55% of 66,876 residents	64% of 66,177 residents	54% of 190,881 residents	62% of 208,879 residents	70% of 183,496 residents	73% of 198,657 residents	79% of 95,480 residents	84% of 79,730 residents	86% of 65,452 residents	86% of 104,792 residents	67% of 1,364,561 residents
Nantucket	19% of 471 residents	35% of 491 residents	45% of 494 residents	27% of 1,654 residents	38% of 2,076 residents	52% of 2,009 residents	61% of 1,924 residents	73% of 828 residents	80% of 714 residents	84% of 548 residents	83% of 697 residents	52% of 11,931 residents
Norfolk	38% of 37,264 residents	53% of 30,317 residents	66% of 30,948 residents	55% of 72,324 residents	62% of 81,368 residents	69% of 77,663 residents	73% of 93,568 residents	79% of 45,465 residents	85% of 38,033 residents	86% of 30,732 residents	87% of 50,458 residents	67% of 596,241 residents
Plymouth	23% of 18,531 residents	37% of 18,962 residents	54% of 21,422 residents	47% of 43,077 residents	49% of 47,126 residents	57% of 50,464 residents	64% of 67,742 residents	74% of 34,552 residents	81% of 30,302 residents	83% of 25,806 residents	85% of 38,699 residents	61% of 399,121 residents
Suffolk	33% of 25,679 residents	41% of 22,726 residents	47% of 27,187 residents	47% of 139,747 residents	59% of 119,990 residents	62% of 77,569 residents	68% of 77,083 residents	76% of 35,492 residents	81% of 29,689 residents	83% of 23,429 residents	85% of 36,328 residents	59% of 620,533 residents
Worcester	26% of 31,009 residents	41% of 30,666 residents	55% of 33,427 residents	47% of 76,755 residents	50% of 83,750 residents	59% of 83,305 residents	66% of 102,911 residents	74% of 51,995 residents	81% of 43,038 residents	83% of 34,327 residents	85% of 51,648 residents	61% of 626,738 residents
Unknown/ Unspecified**	0% of 281,052 MA residents 5-11 Years	0% of 253,584 MA residents 12-15 Years	1% of 277,928 MA residents 16-19 Years	3% of 783,563 MA residents 20-29 Years	2% of 802,868 MA residents 30-39 Years	1% of 720,039 MA residents 40-49 Years	1% of 856,079 MA residents 50-59 Years	1% of 434,248 MA residents 60-64 Years	1% of 372,939 MA residents 65-69 Years	1% of 307,229 MA residents 70-74 Years	1% of 480,083 MA residents 75+ Years	1% of 5,619,887 residents
Massachusetts	33% of 281,052 residents	45% of 253,584 residents	55% of 277,928 residents	48% of 783,563 residents	55% of 802,868 residents	61% of 720,039 residents	67% of 856,079 residents	75% of 434,248 residents	81% of 372,939 residents	83% of 307,229 residents	84% of 480,083 residents	62% of 5,619,887 residents

* Vaccination figures with less than 30 people are suppressed for privacy.

** "Unknown/unspecified county" is shown as a % of the column population (age or race/ethnicity group).

Booster doses administered: See the definitions page at the end of this document.

Source: Massachusetts Immunization Information System (MIIS). MIIS data are available for analysis one calendar day after they are reported to the MIIS. Data are current as of time of publication and are subject to change in future publications as additional data are reported. Data reflect doses administered (see "definitions"). Booster doses administered: Data on booster doses administered reflect the additional dose of vaccine after completion of the primary series.

Population estimates source: MDPH calculates rates per 100,000 population using denominators estimated by the University of Massachusetts Donahue Institute using a modified Hamilton-Perry model (Strate S, et al. Small Area Population Estimates for 2011 through 2020, report, Oct 2016.) Note about totals: The difference in the Massachusetts state population total created by summing the age categories and by summing the race categories is expected due to the manner in which the estimates were created with small, compounded rounding and records with unknown demographic information.

Critical definitions

Please note: the following terms and definition apply to COVID-19 only. Updated 9/20/2022.

Doses administered: All valid doses of Janssen/Johnson & Johnson, Moderna, Pfizer, and Novavax COVID-19 vaccine that have been given to people by providers and reported to MIIS are included in this measurement. Duplicate patient records may be created when patient information is not entered consistently. Data include doses administered by MA providers as well as through the Federal Pharmacy Partnership for Long-term Care Program and the retail pharmacies in the jurisdictional transfer program and Community Health Centers (CHCs) receiving vaccine from the U.S. Health Resources and Services Administration (HRSA). Some doses are administered as part of a separate federal distribution system and would not be included here.

Individuals with a least one dose: An individual is counted as at least one dose if they have received one or more doses of vaccine. This is measured as the total number of first doses of Moderna, Pfizer, and Novavax vaccine administered and reported, plus the total number of Janssen/Johnson & Johnson doses administered and reported.

Individuals who are fully vaccinated: An individual is counted as fully vaccinated if they have received the number of doses required to complete the primary series for their age and all of these doses have been reported to MIIS. Pfizer recipients under 5 years of age require three doses of vaccine; all other Pfizer recipients require two doses. Moderna and Novavax recipients require two doses of vaccine. Janssen/Johnson & Johnson recipients require one dose of vaccine.

Booster doses administered: On 8/13/21, a third dose was recommended for severely immunocompromised individuals to complete their primary series. These doses are counted as 'booster' doses. On 9/24/21, booster doses of Pfizer vaccine were recommended for individuals aged 65 and older, for those at risk for severe disease, or for those at high risk for occupational exposure six months after completing their primary series. On 10/22/21, booster doses of Moderna vaccine were recommended for the same population. Additionally, booster doses of any vaccine, including Johnson & Johnson, were recommended for everyone 18 years and older at least two months after receiving initial Johnson & Johnson vaccine. On 12/9/21, mix and match and Johnson & Johnson boosters were added to the booster counts, which redistributed shots that had previously been counted in other rows. This also adjusted for people who have completed a primary series and had previously been double counted. On 1/4/22, the Pfizer vaccine booster dose recommendation was revised to be five months after completing primary series. On 1/7/22, the Moderna vaccine booster dose recommendation was revised to be five months after completing primary series. On 3/29/22, second monovalent booster doses were recommended for adults aged 50 years and older.

On 9/1/22, bivalent boosters were recommended for everyone aged 12 years and older whose primary series or most recent booster dose were administered at least two months ago. This recommendation replaced all previous booster recommendations for this age group.

See, <https://www.mass.gov/info-details/covid-19-booster-frequently-asked-questions> for details on which formulation of vaccine is recommended at which intervals.

Additional doses beyond second booster: Some individuals with certain health conditions are eligible to receive additional doses of vaccine. These doses are counted in this category. For more information, see: <https://www.mass.gov/info-details/covid-19-vaccinations-for-individuals-with-certain-medical-conditions>

Individuals who are unvaccinated/unreported vaccination: This is the population estimate for the subpopulation minus the number of people who received at least one dose of vaccine. It is important to recall that not being represented in MIIS does not necessarily mean someone has not received vaccine.

MIIS: Immunization data from most (but not all) providers in Massachusetts are reported into the Massachusetts Immunization Information System (MIIS) through direct messages from electronic health records or direct entry by users. Due to inputting and processing, it may take 24-48 hours or more for shipping or administration data to appear in MIIS. MIIS data are available for analysis one calendar day after they are reported to the MIIS. Data are current as of time of publication and may be subject to change in future publications as additional data are reported. As of 11/4/21, MIIS numbers include vaccinations reported from the Veterans Administration for MA residents. MIIS does not include data on health states or occupations of individuals.