



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; September 28, 2022.
<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 October 03, 2022

Administered (MIIS)* through Monday, October 3, 2022 (Running totals by day)

	September 27, 2022	September 28, 2022	September 29, 2022	September 30, 2022	October 1, 2022	October 2, 2022	October 3, 2022
At least one dose -- number of people who received at least one dose of Moderna, Pfizer, or Johnson & Johnson vaccine	6,369,547	6,372,959	6,376,250	6,379,843	6,381,641	6,382,746	6,384,509
Fully vaccinated -- number of people who received a primary series of Moderna, Pfizer, or Johnson & Johnson vaccine**	5,501,706	5,503,804	5,505,761	5,507,873	5,508,718	5,509,275	5,510,185
First booster doses -- number of people who received a booster dose of Moderna, Pfizer, or Johnson & Johnson vaccine***	3,265,599	3,267,899	3,270,064	3,272,496	3,273,659	3,274,271	3,275,633
Second booster doses -- number of people who have received at least 2 booster doses****	853,420	862,957	871,738	883,110	888,182	891,630	896,236
Total Doses Administered (MIIS)	15,794,324	15,820,605	15,844,515	15,872,642	15,884,905	15,893,101	15,905,683

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

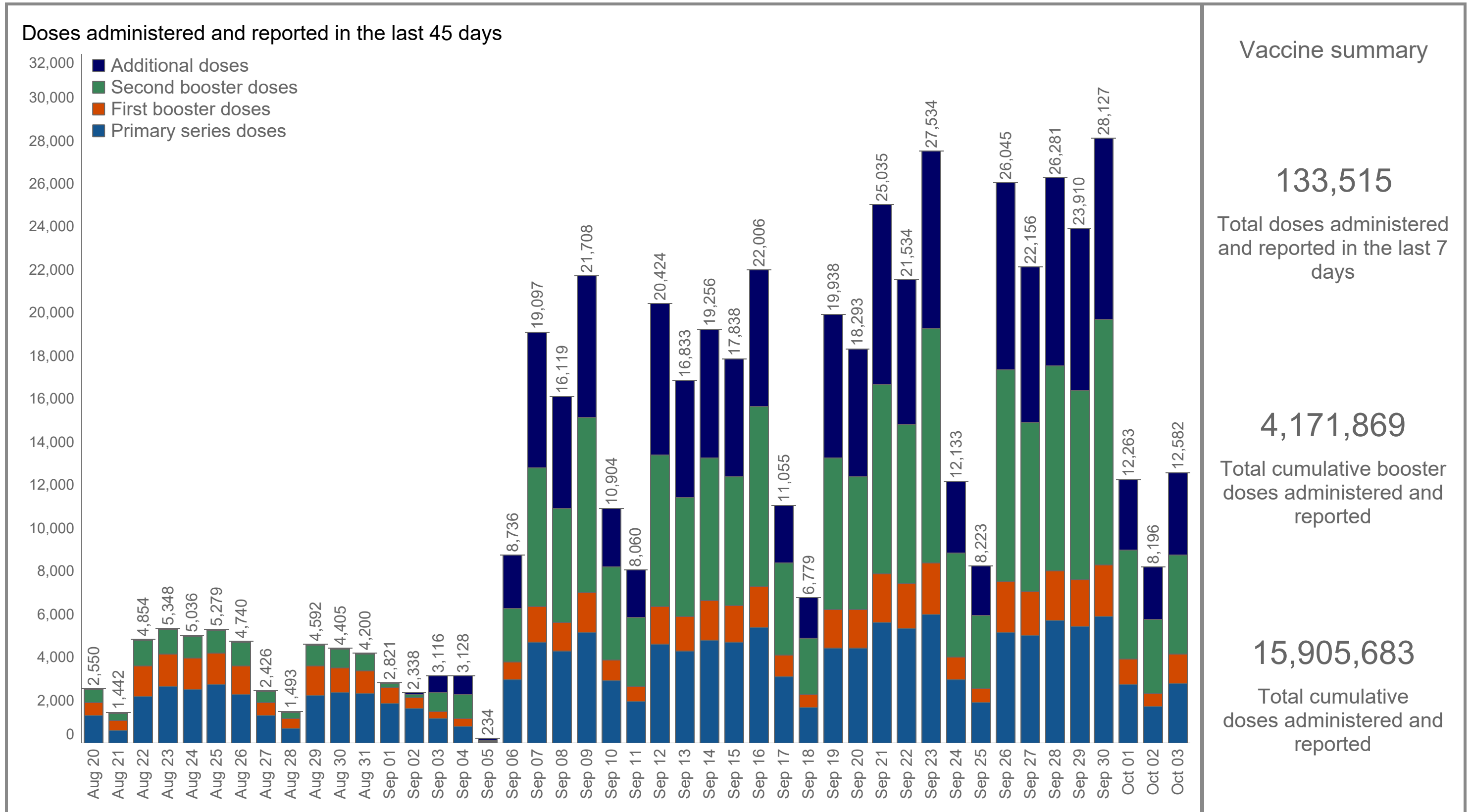
**An individual is counted as fully vaccinated if they have received the number of doses required to complete the primary series for their age and all of these doses have been reported to MIIS. Pfizer recipients under 5 years of age require three doses of vaccine; all other Pfizer recipients require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

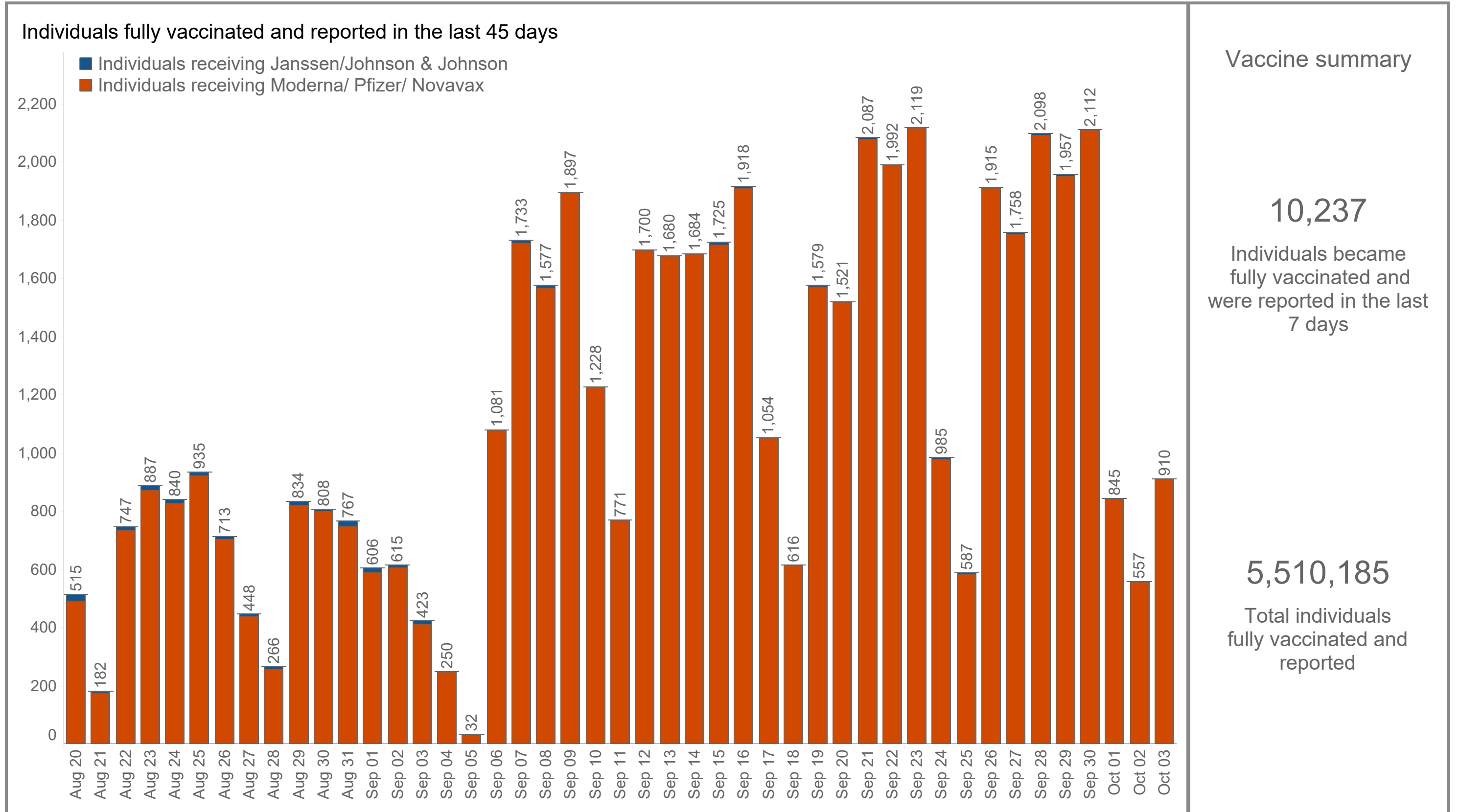
Data as of October 03, 2022



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 October 03, 2022



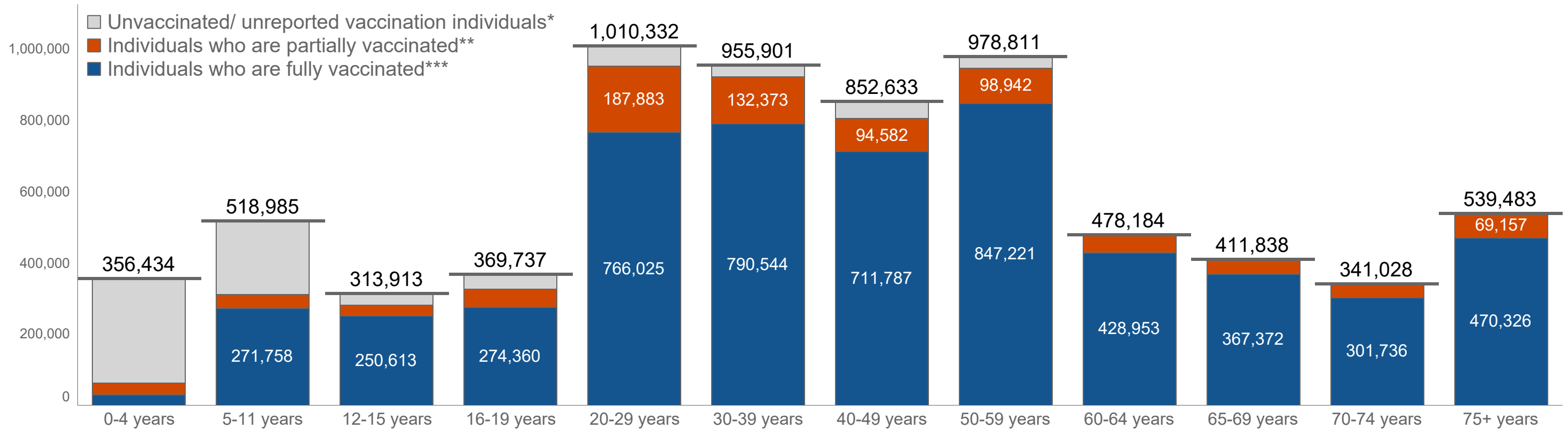
NOTE: Data from MIIS (see "definitions"). Dates reflect the date doses were administered. Individuals fully vaccinated: An individual is counted as fully vaccinated if they have received the number of doses required to complete the primary series for their age and all of these doses have been reported 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

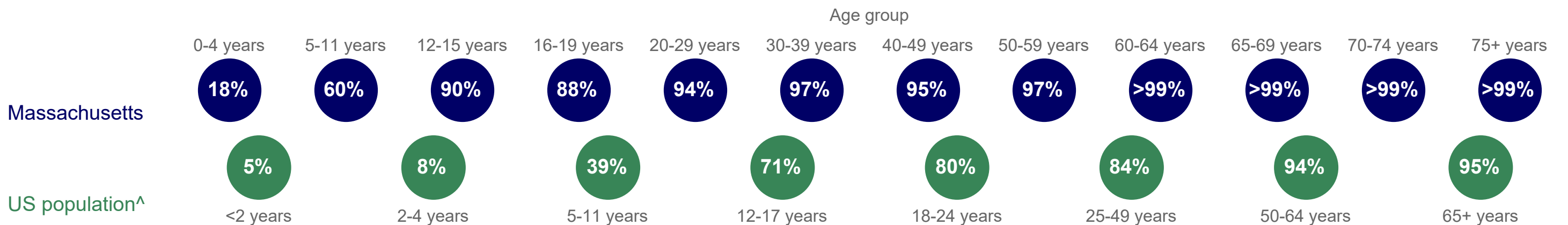
Data as of October 03, 2022

In Massachusetts, 91% of the population has received at least one dose, compared with 80% of the US population.

Vaccination status of individuals by age group (cumulative)



Percent of population with at least one dose



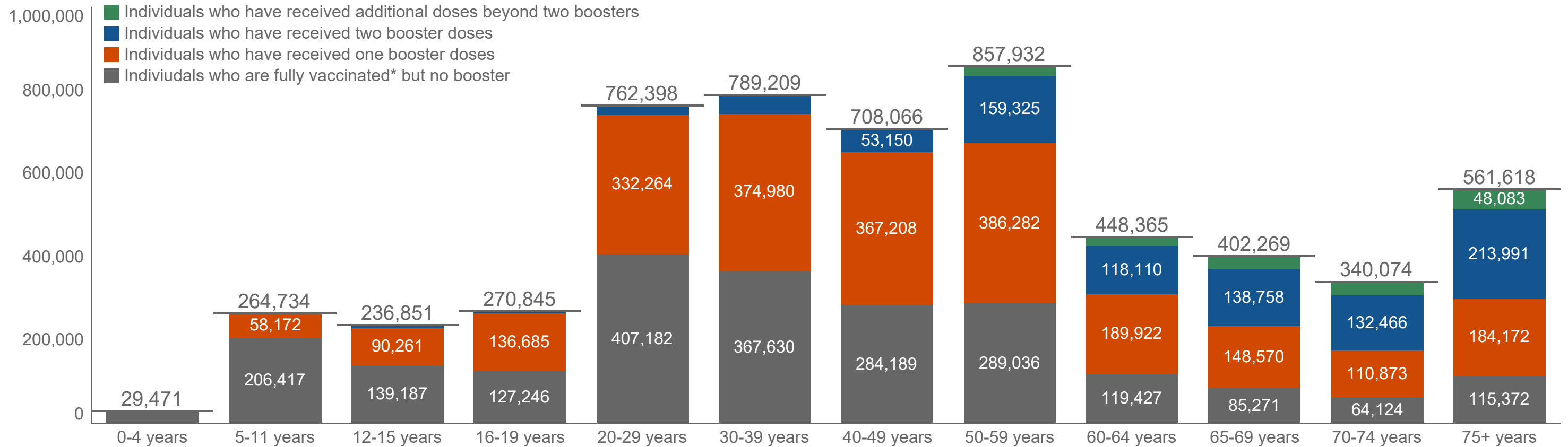
Vaccination status is reported at the age at which the vaccine was administered. Individuals transition into older age groups over time keeping aggregate totals consistent across the sum of all age categories.
 *Unvaccinated/unreported vaccination individuals: This is the population estimate for the 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;2022-09-28://[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

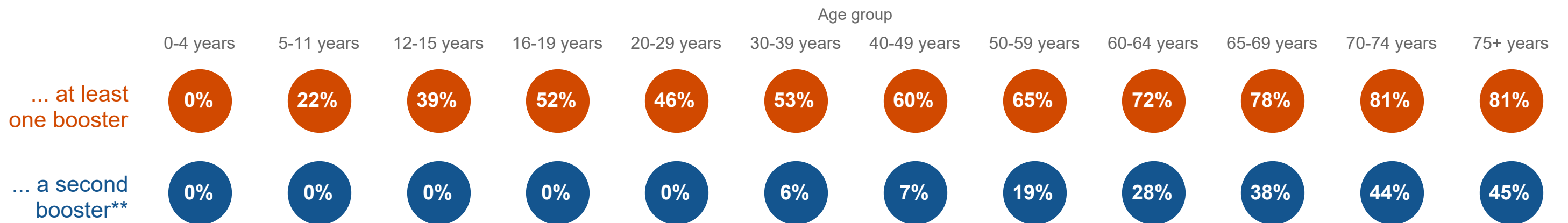
Data as of October 03, 2022

In Massachusetts, 59% of those fully vaccinated have received a booster dose, compared with 49% of the national population that is fully vaccinated.

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.
 *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. This includes some individuals who may not be eligible for a booster (i.e. less than 2 months after primary series). **Not mutually exclusive. The 'second booster' row includes all those counted in the first row, with at least one booster, plus those individuals who have received an additional dose. 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;2022-09-28. <https://covid.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 Fully Vaccinated

Data as of October 03, 2022

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	79% of 6,644 residents	>95% of 7,637 residents	34% of 12,144 residents	>95% of 53 residents	78% of 198,117 residents	3% of 228,996 Barnstable county residents	79% of 228,996 residents
Berkshire	56% of 153 residents	71% of 1,978 residents	63% of 4,132 residents	62% of 6,619 residents	37% of 5,666 residents	*	75% of 110,470 residents	3% of 129,026 Berkshire county residents	75% of 129,026 residents
Bristol	47% of 1,045 residents	64% of 13,752 residents	75% of 24,506 residents	61% of 53,995 residents	34% of 32,048 residents	>95% of 148 residents	65% of 453,707 residents	3% of 579,200 Bristol county residents	66% of 579,200 residents
Dukes	50% of 219 residents	>95% of 181 residents	>95% of 809 residents	>95% of 452 residents	21% of 1,899 residents	*	79% of 17,031 residents	8% of 20,600 Dukes county residents	86% of 20,600 residents
Essex	47% of 808 residents	74% of 29,651 residents	78% of 27,604 residents	58% of 181,759 residents	63% of 26,257 residents	>95% of 155 residents	79% of 543,595 residents	3% of 809,829 Essex county residents	76% of 809,829 residents
Franklin	52% of 122 residents	79% of 1,215 residents	66% of 985 residents	55% of 3,329 residents	32% of 3,207 residents	*	75% of 62,163 residents	3% of 71,029 Franklin county residents	75% of 71,029 residents
Hampden	58% of 646 residents	70% of 12,176 residents	59% of 36,442 residents	50% of 120,694 residents	50% of 15,087 residents	>95% of 165 residents	70% of 280,615 residents	4% of 465,825 Hampden county residents	67% of 465,825 residents
Hampshire	52% of 199 residents	49% of 10,709 residents	52% of 4,398 residents	48% of 11,248 residents	39% of 6,930 residents	>95% of 43 residents	74% of 128,781 residents	3% of 162,308 Hampshire county residents	71% 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 October 03, 2022

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	66% of 1,511 residents	75% of 212,123 residents	72% of 84,324 residents	74% of 141,738 residents	79% of 81,692 residents	>95% of 380 residents	80% of 1,110,235 residents	4% of 1,632,002 Middlesex county residents	82% of 1,632,002 residents
Nantucket	*	76% of 274 residents	>95% of 1,025 residents	88% of 2,175 residents	25% of 615 residents	*	74% of 10,149 residents	7% of 14,255 Nantucket county residents	82% of 14,255 residents
Norfolk	52% of 736 residents	75% of 88,772 residents	75% of 50,563 residents	70% of 37,460 residents	>95% of 29,540 residents	>95% of 151 residents	78% of 518,759 residents	3% of 725,981 Norfolk county residents	80% of 725,981 residents
Plymouth	35% of 893 residents	67% of 7,962 residents	80% of 48,249 residents	67% of 23,417 residents	43% of 35,840 residents	61% of 220 residents	73% of 414,238 residents	2% of 530,819 Plymouth county residents	74% of 530,819 residents
Suffolk	51% of 1,235 residents	79% of 81,295 residents	76% of 142,086 residents	74% of 177,973 residents	60% of 37,543 residents	>95% of 357 residents	69% of 357,446 residents	4% of 797,936 Suffolk county residents	76% of 797,936 residents
Worcester	46% of 1,183 residents	71% of 46,778 residents	60% of 45,164 residents	67% of 110,448 residents	51% of 37,582 residents	>95% of 145 residents	71% of 620,810 residents	3% of 862,111 Worcester county residents	71% 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	77% of 510,096 residents	74% of 476,930 residents	67% of 878,944 residents	61% of 326,050 residents	>95% of 1,841 residents	77% of 4,826,116 residents	4% of 7,029,917 MA residents	78% of 7,029,917 residents

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Individuals Fully Vaccinated

Data as of October 03, 2022

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	3% of 8,117 residents	42% of 12,225 residents	73% of 7,999 residents	81% of 8,444 residents	72% of 22,109 residents	84% of 20,313 residents	80% of 21,363 residents	81% of 34,083 residents	88% of 21,351 residents	88% of 21,806 residents	90% of 19,831 residents	94% of 31,352 residents	79% of 228,996 residents
Berkshire	4% of 5,429 residents	54% of 8,296 residents	73% of 5,380 residents	68% of 6,484 residents	65% of 15,369 residents	79% of 13,757 residents	78% of 13,736 residents	80% of 19,125 residents	87% of 10,525 residents	89% of 9,518 residents	94% of 8,017 residents	89% of 13,390 residents	75% of 129,026 residents
Bristol	3% of 30,091 residents	29% of 45,540 residents	61% of 27,527 residents	66% of 29,121 residents	59% of 74,766 residents	66% of 73,958 residents	70% of 73,224 residents	77% of 85,414 residents	86% of 39,125 residents	91% of 31,728 residents	92% of 25,741 residents	86% of 42,964 residents	66% of 579,200 residents
Dukes	7% of 882 residents	57% 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	84% of 3,147 residents	83% of 1,702 residents	79% of 1,801 residents	87% of 1,574 residents	89% of 1,929 residents	86% of 20,600 residents
Essex	6% of 44,345 residents	50% of 64,079 residents	79% of 38,871 residents	78% of 41,764 residents	71% of 102,396 residents	81% of 101,407 residents	81% of 99,259 residents	85% of 118,474 residents	92% of 56,226 residents	94% of 46,143 residents	>95% of 36,776 residents	91% of 60,087 residents	76% of 809,829 residents
Franklin	6% of 3,011 residents	45% of 4,819 residents	71% of 2,910 residents	87% of 2,764 residents	69% of 7,572 residents	75% of 8,732 residents	74% of 8,315 residents	79% of 10,333 residents	84% of 6,159 residents	91% of 5,875 residents	>95% of 4,581 residents	90% of 5,954 residents	75% of 71,029 residents
Hampden	2% of 24,918 residents	34% of 38,042 residents	63% of 23,128 residents	61% of 26,022 residents	58% of 65,472 residents	69% of 59,405 residents	74% of 53,671 residents	80% of 62,992 residents	87% of 31,187 residents	93% of 25,936 residents	>95% of 20,519 residents	89% of 34,534 residents	67% of 465,825 residents
Hampshire	11% of 5,278 residents	63% of 8,930 residents	81% of 5,934 residents	37% of 16,019 residents	46% of 33,434 residents	82% of 16,604 residents	83% of 16,047 residents	86% of 20,206 residents	94% of 10,664 residents	>95% of 9,895 residents	>95% of 7,914 residents	>95% of 11,383 residents	71% 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 October 03, 2022

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	15% of 83,667 residents	67% of 121,734 residents	90% of 73,083 residents	79% of 82,715 residents	76% of 242,436 residents	85% of 242,118 residents	87% of 206,995 residents	88% of 222,367 residents	94% of 100,804 residents	>95% of 81,083 residents	>95% of 64,640 residents	93% of 110,359 residents	82% of 1,632,002 residents
Nantucket	*	45% of 1,012 residents	87% of 562 residents	>95% of 507 residents	>95% of 1,722 residents	93% of 2,214 residents	91% of 2,184 residents	91% of 2,082 residents	87% of 945 residents	90% of 764 residents	94% of 562 residents	77% of 847 residents	82% of 14,255 residents
Norfolk	13% of 37,515 residents	64% of 56,630 residents	85% of 35,180 residents	84% of 36,428 residents	78% of 90,767 residents	84% of 95,497 residents	82% of 93,243 residents	87% of 105,961 residents	93% of 48,444 residents	>95% of 39,164 residents	>95% of 31,323 residents	89% of 55,829 residents	80% of 725,981 residents
Plymouth	5% of 27,514 residents	42% of 42,518 residents	70% of 26,597 residents	78% of 27,177 residents	69% of 61,517 residents	76% of 61,280 residents	76% of 65,393 residents	82% of 81,528 residents	89% of 38,334 residents	94% of 31,886 residents	>95% of 26,374 residents	93% of 40,701 residents	74% of 530,819 residents
Suffolk	8% of 40,171 residents	52% of 47,420 residents	86% of 26,325 residents	57% of 46,527 residents	77% of 176,345 residents	81% of 145,860 residents	87% of 88,768 residents	87% of 87,549 residents	88% of 40,123 residents	91% of 32,272 residents	94% of 24,580 residents	85% of 41,995 residents	76% of 797,936 residents
Worcester	5% of 45,082 residents	44% of 68,600 residents	72% of 42,016 residents	71% of 46,659 residents	66% of 114,476 residents	74% of 111,763 residents	76% of 108,360 residents	80% of 126,900 residents	87% of 58,820 residents	92% of 46,033 residents	>95% of 35,450 residents	88% of 57,952 residents	71% 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	2% 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	8% of 356,875 residents	52% of 521,112 residents	79% of 316,296 residents	74% of 371,285 residents	76% of 1,010,451 residents	83% of 955,267 residents	83% of 852,990 residents	86% of 980,162 residents	92% of 464,409 residents	>95% of 383,903 residents	>95% of 307,883 residents	92% of 509,277 residents	78% of 7,029,917 residents

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Individuals who have Received Booster Doses

Data as of October 03, 2022

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	54% of 523 residents	58% of 2,263 residents	37% of 5,270 residents	47% of 7,935 residents	69% of 4,157 residents	40% of 100 residents	67% of 153,661 residents	1% of 181,287 Barnstable county residents	63% of 181,287 residents
Berkshire	35% of 85 residents	53% of 1,405 residents	44% of 2,607 residents	44% of 4,114 residents	62% of 2,080 residents	*	63% of 82,913 residents	1% of 96,722 Berkshire county residents	61% of 96,722 residents
Bristol	32% of 489 residents	52% of 8,802 residents	42% of 18,490 residents	40% of 33,028 residents	61% of 10,769 residents	35% of 175 residents	57% of 295,368 residents	1% of 382,810 Bristol county residents	53% of 382,810 residents
Dukes	57% of 109 residents	64% of 172 residents	44% of 861 residents	40% of 919 residents	64% of 394 residents	*	67% of 13,512 residents	2% of 17,699 Dukes county residents	60% of 17,699 residents
Essex	36% of 376 residents	60% of 22,078 residents	46% of 21,646 residents	42% of 104,714 residents	67% of 16,484 residents	46% of 206 residents	64% of 427,572 residents	1% of 618,421 Essex county residents	58% of 618,421 residents
Franklin	*	56% of 961 residents	48% of 645 residents	50% of 1,822 residents	72% of 1,031 residents	*	67% of 46,612 residents	1% of 53,181 Franklin county residents	64% of 53,181 residents
Hampden	36% of 377 residents	54% of 8,566 residents	48% of 21,498 residents	41% of 60,488 residents	61% of 7,580 residents	41% of 190 residents	61% of 196,259 residents	2% of 314,387 Hampden county residents	54% of 314,387 residents
Hampshire	57% of 103 residents	59% of 5,274 residents	55% of 2,282 residents	55% of 5,417 residents	74% of 2,694 residents	*	71% of 95,085 residents	1% of 115,849 Hampshire county residents	68% of 115,849 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 October 03, 2022

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	40% of 994 residents	64% of 159,431 residents	52% of 60,642 residents	46% of 105,391 residents	73% of 64,323 residents	49% of 504 residents	69% of 883,918 residents	1% of 1,333,987 Middlesex county residents	64% of 1,333,987 residents
Nantucket	*	57% of 209 residents	35% of 978 residents	27% of 1,919 residents	64% of 152 residents	*	61% of 7,508 residents	1% of 11,718 Nantucket county residents	50% of 11,718 residents
Norfolk	40% of 379 residents	66% of 66,285 residents	53% of 37,765 residents	52% of 26,194 residents	72% of 29,854 residents	51% of 234 residents	68% of 404,765 residents	1% of 584,077 Norfolk county residents	65% of 584,077 residents
Plymouth	36% of 309 residents	61% of 5,324 residents	43% of 38,484 residents	45% of 15,594 residents	63% of 15,380 residents	42% of 135 residents	62% of 304,072 residents	1% of 392,478 Plymouth county residents	59% of 392,478 residents
Suffolk	41% of 632 residents	62% of 64,129 residents	53% of 108,298 residents	46% of 131,538 residents	70% of 22,405 residents	49% of 604 residents	65% of 248,416 residents	1% of 607,725 Suffolk county residents	57% of 607,725 residents
Worcester	34% of 549 residents	61% of 33,063 residents	46% of 27,081 residents	42% of 73,637 residents	67% of 19,282 residents	47% of 219 residents	63% of 440,745 residents	1% of 616,346 Worcester county residents	58% of 616,346 residents
Unknown/ Unspecified**	1% of 5,276 AI/AN residents	2% of 391,418 Asian residents	1% of 354,002 Black residents	1% of 584,739 Hispanic residents	1% of 200,053 Multi-race residents	1% of 2,594 NH/PI residents	1% of 3,723,394 White residents	0% of 5,510,185 MA residents	1% of 5,510,185 residents
Massachusetts	39% of 5,276 residents	62% of 391,418 residents	49% of 354,002 residents	44% of 584,739 residents	69% of 200,053 residents	45% of 2,594 residents	64% of 3,723,394 residents	1% of 5,510,185 MA residents	59% of 5,510,185 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 October 03, 2022

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	15% of 5,118 residents	32% of 5,858 residents	50% of 6,806 residents	42% of 15,984 residents	45% of 16,967 residents	53% of 17,113 residents	61% of 27,765 residents	72% of 18,778 residents	79% of 19,167 residents	83% of 17,907 residents	85% of 29,563 residents	63% of 181,287 residents
Berkshire	15% of 4,445 residents	38% of 3,934 residents	51% of 4,399 residents	42% of 9,936 residents	49% of 10,827 residents	57% of 10,647 residents	63% of 15,236 residents	72% of 9,171 residents	80% of 8,445 residents	80% of 7,552 residents	82% of 11,893 residents	61% of 96,722 residents
Bristol	14% of 13,371 residents	27% of 16,803 residents	44% of 19,163 residents	39% of 44,298 residents	41% of 48,864 residents	49% of 51,029 residents	57% of 65,501 residents	67% of 33,507 residents	73% of 28,797 residents	76% of 23,745 residents	77% of 36,798 residents	53% of 382,810 residents
Dukes	10% of 720 residents	41% of 764 residents	53% of 711 residents	35% of 1,966 residents	44% of 2,644 residents	55% of 2,276 residents	66% of 2,636 residents	77% of 1,418 residents	82% of 1,427 residents	85% of 1,363 residents	93% of 1,713 residents	60% of 17,699 residents
Essex	17% of 32,015 residents	36% of 30,732 residents	52% of 32,590 residents	44% of 72,594 residents	49% of 81,823 residents	57% of 80,596 residents	64% of 100,484 residents	72% of 51,473 residents	78% of 43,556 residents	80% of 35,005 residents	81% of 54,869 residents	58% of 618,421 residents
Franklin	22% of 2,148 residents	44% of 2,054 residents	50% of 2,405 residents	47% of 5,214 residents	54% of 6,565 residents	62% of 6,155 residents	66% of 8,142 residents	73% of 5,144 residents	80% of 5,318 residents	87% of 4,486 residents	84% of 5,382 residents	64% of 53,181 residents
Hampden	12% of 12,869 residents	28% of 14,568 residents	42% of 15,992 residents	37% of 37,993 residents	42% of 40,828 residents	50% of 39,909 residents	59% of 50,236 residents	68% of 27,197 residents	75% of 24,073 residents	78% of 19,678 residents	79% of 30,567 residents	54% of 314,387 residents
Hampshire	33% of 5,656 residents	54% of 4,821 residents	56% of 5,891 residents	53% of 15,240 residents	60% of 13,617 residents	68% of 13,327 residents	71% of 17,285 residents	77% of 10,020 residents	83% of 9,779 residents	87% of 8,457 residents	87% of 11,169 residents	68% of 115,849 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 October 03, 2022

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	29% of 82,019 residents	49% of 66,056 residents	61% of 65,452 residents	52% of 185,411 residents	61% of 204,835 residents	68% of 180,920 residents	71% of 196,479 residents	77% of 94,408 residents	82% of 78,736 residents	84% of 64,465 residents	84% of 102,869 residents	64% of 1,333,987 residents
Nantucket	10% of 457 residents	30% of 486 residents	42% of 489 residents	26% of 1,643 residents	37% of 2,056 residents	51% of 1,997 residents	60% of 1,894 residents	70% of 822 residents	79% of 691 residents	81% of 528 residents	84% of 648 residents	50% of 11,718 residents
Norfolk	26% of 36,138 residents	46% of 29,919 residents	62% of 30,615 residents	54% of 70,901 residents	60% of 80,054 residents	67% of 76,617 residents	71% of 92,615 residents	77% of 44,981 residents	83% of 37,600 residents	84% of 30,264 residents	85% of 49,592 residents	65% of 584,077 residents
Plymouth	13% of 17,861 residents	31% of 18,717 residents	51% of 21,243 residents	45% of 42,571 residents	48% of 46,471 residents	56% of 49,963 residents	63% of 67,100 residents	71% of 34,122 residents	78% of 29,879 residents	81% of 25,368 residents	82% of 37,889 residents	59% of 392,478 residents
Suffolk	21% of 24,551 residents	34% of 22,511 residents	44% of 26,735 residents	45% of 136,248 residents	57% of 118,085 residents	60% of 76,871 residents	65% of 76,286 residents	73% of 35,123 residents	78% of 29,360 residents	80% of 23,122 residents	82% of 35,767 residents	57% of 607,725 residents
Worcester	16% of 29,932 residents	36% of 30,332 residents	52% of 33,105 residents	45% of 75,561 residents	48% of 82,523 residents	57% of 82,343 residents	64% of 101,912 residents	72% of 51,433 residents	79% of 42,513 residents	81% of 33,818 residents	82% of 50,782 residents	58% of 616,346 residents
Unknown/ Unspecified**	0% of 271,758 MA residents 5-11 Years	0% of 250,613 MA residents 12-15 Years	1% of 274,360 MA residents 16-19 Years	3% of 766,025 MA residents 20-29 Years	2% of 790,544 MA residents 30-39 Years	1% of 711,787 MA residents 40-49 Years	1% of 847,221 MA residents 50-59 Years	1% of 428,953 MA residents 60-64 Years	1% of 367,372 MA residents 65-69 Years	1% of 301,736 MA residents 70-74 Years	1% of 470,326 MA residents 75+ Years	1% of 5,510,185 residents
Massachusetts	22% of 271,758 residents	39% of 250,613 residents	52% of 274,360 residents	46% of 766,025 residents	53% of 790,544 residents	60% of 711,787 residents	65% of 847,221 residents	72% of 428,953 residents	78% of 367,372 residents	81% of 301,736 residents	81% of 470,326 residents	59% of 5,510,185 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.