



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; August 31, 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 September 05, 2022

Administered (MIIS)* through Monday, September 5, 2022 (Running totals by day)

	August 30, 2022	August 31, 2022	September 1, 2022	September 2, 2022	September 3, 2022	September 4, 2022	September 5, 2022
At least one dose -- number of people who received at least one dose of Moderna, Pfizer, or Johnson & Johnson vaccine	6,328,540	6,329,620	6,330,446	6,331,041	6,331,229	6,331,287	6,331,314
Fully vaccinated -- number of people who received a primary series of Moderna, Pfizer, or Johnson & Johnson vaccine**	5,456,354	5,457,026	5,457,525	5,457,955	5,458,109	5,458,129	5,458,137
First booster doses -- number of people who received a booster dose of Moderna, Pfizer, or Johnson & Johnson vaccine***	3,210,936	3,211,882	3,212,499	3,212,842	3,212,905	3,212,926	3,212,933
Second booster doses -- number of people who have received at least 2 booster doses****	702,204	702,869	703,085	703,146	703,153	703,153	703,154
Total Doses Administered (MIIS)	15,377,457	15,381,178	15,383,571	15,385,174	15,385,661	15,385,780	15,385,832

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

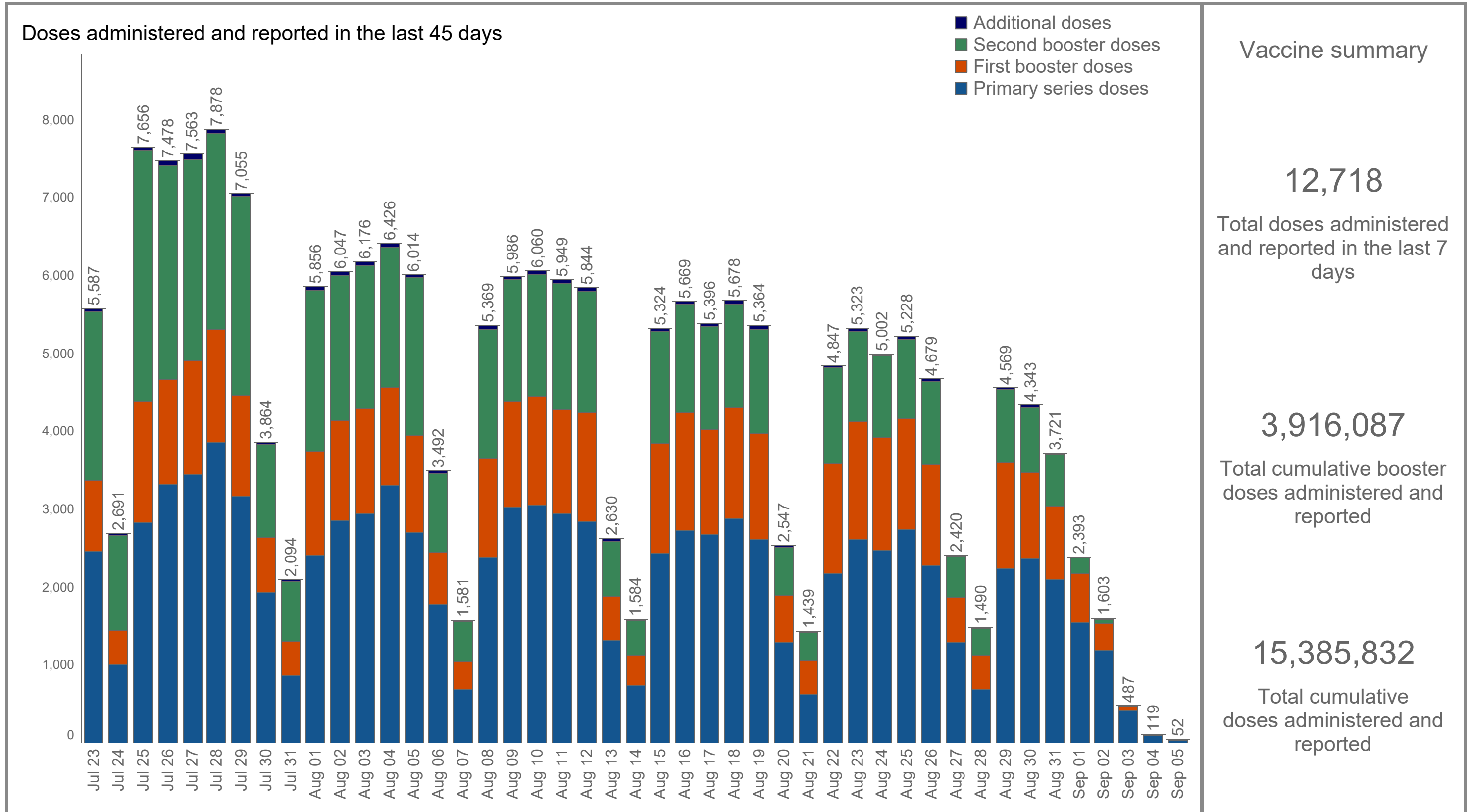
**An individual is counted as fully vaccinated if they have received the number of doses required to complete the COVID-19 vaccine series for their age and all of these doses have been reported to MIIS. Pfizer recipients under 5 years of age require three doses of vaccine; all other Pfizer recipients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

***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. Second booster doses are recommended for adults ages 50 years and older and some people ages 12 years and older who are moderately or severely immunocompromised.

COVID-19 Vaccine Doses Administered

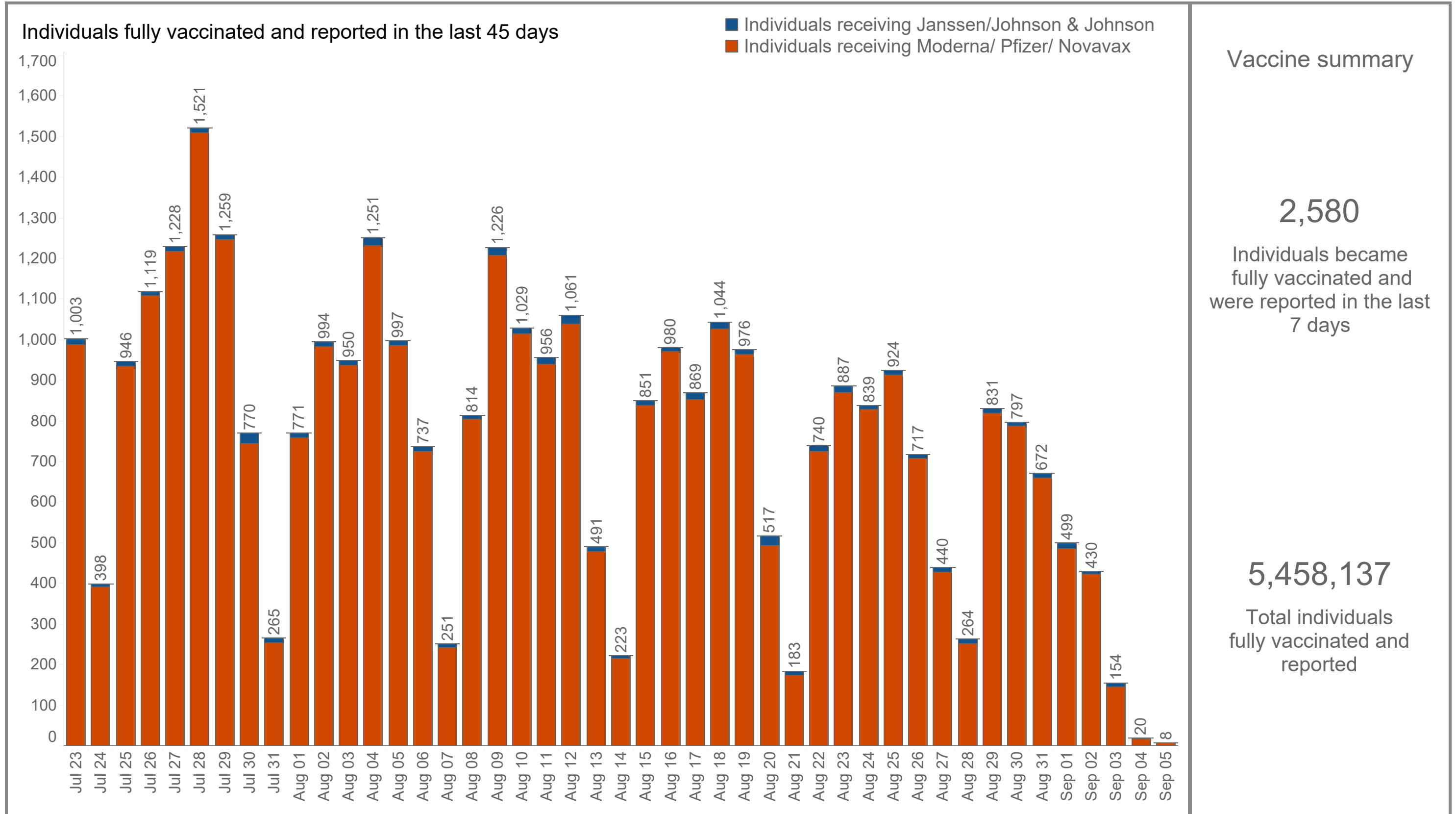
Data as of September 05, 2022



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 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. See the definitions page at the end of this document.

Individuals Fully Vaccinated

Data as of September 05, 2022



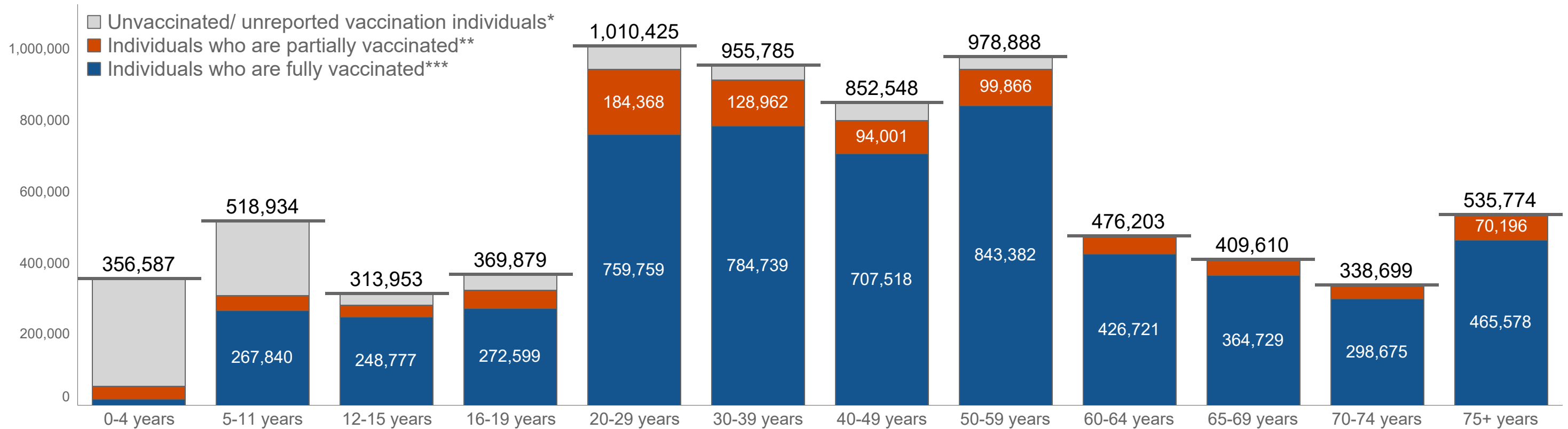
NOTE: Data from MIIS (see "definitions"). Dates reflect the date doses were administered. Individuals fully vaccinated: An individual is counted as fully vaccinated if they have received the number of doses required to complete the COVID-19 vaccine series for their age and all of these doses have been 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.

Individuals with at Least One Dose

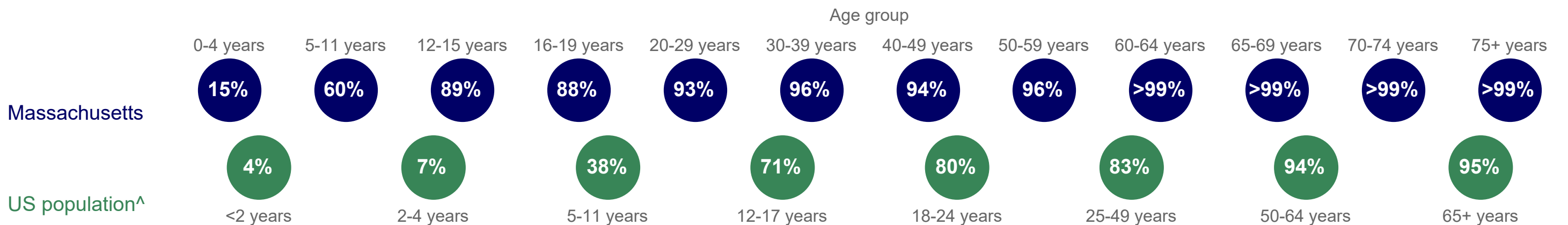
Data as of September 05, 2022

In Massachusetts, 90% of the population has received at least one dose, compared with 79% of the US population.

Vaccination status of individuals by age group (cumulative)



Percent of population with at least one dose



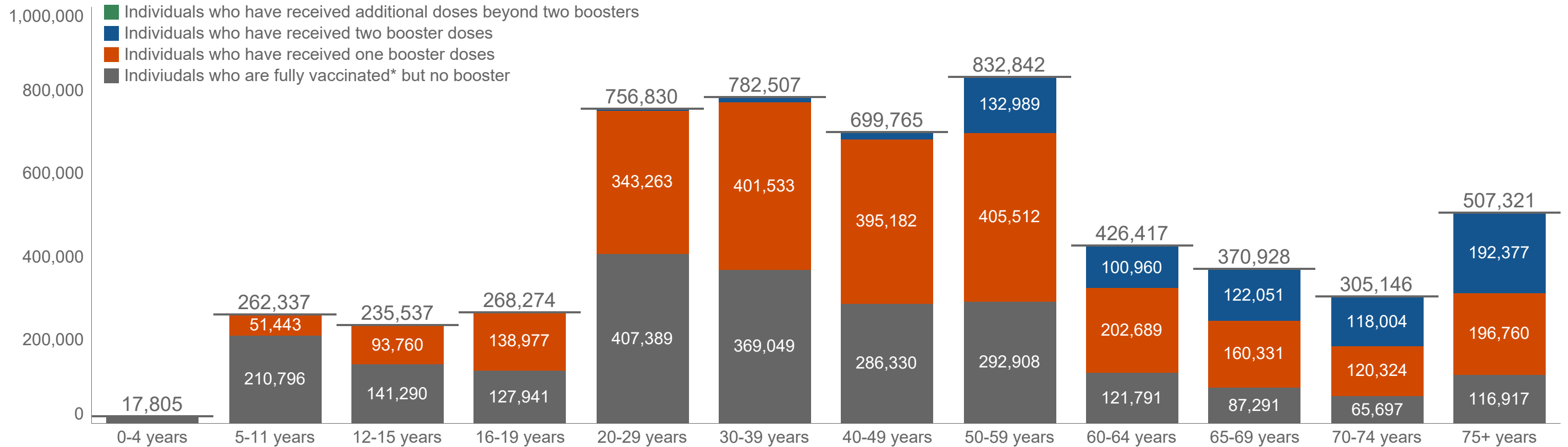
Vaccination status is reported at the age at which the vaccine was administered. Individuals transition into older age groups over time keeping aggregate totals consistent across the sum of all age categories.
 *Unvaccinated/unreported vaccination individuals: This is the population estimate for the 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 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. ^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;2022-08-31://[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

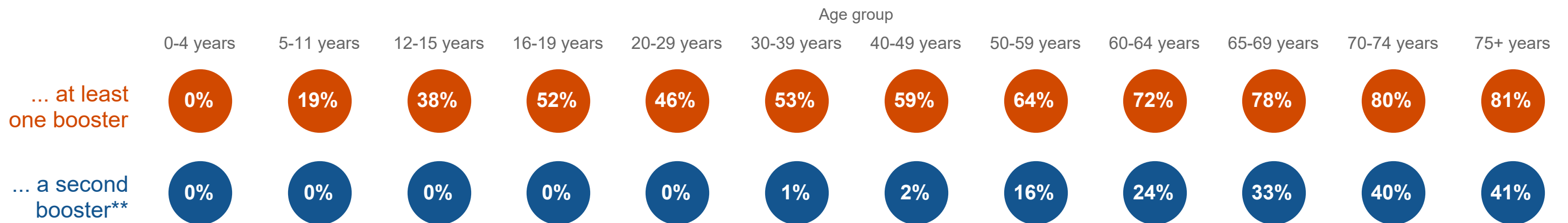
Data as of September 05, 2022

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.

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Individuals Fully Vaccinated

Data as of September 05, 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	33% of 12,144 residents	>95% of 53 residents	77% of 198,117 residents	3% of 228,996 Barnstable county residents	79% of 228,996 residents
Berkshire	54% of 153 residents	71% of 1,978 residents	63% of 4,132 residents	61% of 6,619 residents	36% of 5,666 residents	*	74% of 110,470 residents	3% of 129,026 Berkshire county residents	74% of 129,026 residents
Bristol	47% of 1,045 residents	64% of 13,752 residents	74% of 24,506 residents	61% of 53,995 residents	32% 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	46% of 808 residents	74% of 29,651 residents	78% of 27,604 residents	57% of 181,759 residents	61% of 26,257 residents	>95% of 155 residents	78% of 543,595 residents	3% of 809,829 Essex county residents	76% of 809,829 residents
Franklin	51% of 122 residents	78% of 1,215 residents	65% of 985 residents	54% of 3,329 residents	30% of 3,207 residents	*	74% of 62,163 residents	3% of 71,029 Franklin county residents	74% of 71,029 residents
Hampden	58% of 646 residents	70% of 12,176 residents	59% of 36,442 residents	50% of 120,694 residents	48% of 15,087 residents	>95% of 165 residents	69% of 280,615 residents	4% of 465,825 Hampden county residents	67% of 465,825 residents
Hampshire	52% of 199 residents	48% of 10,709 residents	52% of 4,398 residents	48% of 11,248 residents	37% of 6,930 residents	>95% of 43 residents	73% 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).

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Individuals Fully Vaccinated

Data as of September 05, 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	71% of 84,324 residents	74% of 141,738 residents	77% of 81,692 residents	>95% of 380 residents	79% of 1,110,235 residents	4% of 1,632,002 Middlesex county residents	81% of 1,632,002 residents
Nantucket	*	77% of 274 residents	95% of 1,025 residents	88% of 2,175 residents	24% of 615 residents	*	74% of 10,149 residents	7% of 14,255 Nantucket county residents	82% of 14,255 residents
Norfolk	51% of 736 residents	74% of 88,772 residents	74% of 50,563 residents	69% of 37,460 residents	>95% of 29,540 residents	>95% of 151 residents	77% of 518,759 residents	3% of 725,981 Norfolk county residents	80% of 725,981 residents
Plymouth	34% of 893 residents	66% of 7,962 residents	73% of 48,249 residents	64% of 23,417 residents	41% of 35,840 residents	58% of 220 residents	73% of 414,238 residents	2% of 530,819 Plymouth county residents	73% of 530,819 residents
Suffolk	51% of 1,235 residents	78% of 81,295 residents	76% of 142,086 residents	73% of 177,973 residents	58% 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	47% of 1,183 residents	70% of 46,778 residents	60% of 45,164 residents	66% of 110,448 residents	50% 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	2% 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	76% of 510,096 residents	73% of 476,930 residents	66% of 878,944 residents	59% of 326,050 residents	>95% of 1,841 residents	76% 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 September 05, 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	2% of 8,117 residents	41% of 12,225 residents	73% of 7,999 residents	80% of 8,444 residents	72% of 22,109 residents	83% of 20,313 residents	80% of 21,363 residents	81% of 34,083 residents	87% of 21,351 residents	87% of 21,806 residents	89% of 19,831 residents	93% of 31,352 residents	79% of 228,996 residents
Berkshire	2% of 5,429 residents	53% of 8,296 residents	73% of 5,380 residents	68% of 6,484 residents	64% of 15,369 residents	78% of 13,757 residents	77% of 13,736 residents	79% of 19,125 residents	87% of 10,525 residents	88% of 9,518 residents	93% of 8,017 residents	88% of 13,390 residents	74% of 129,026 residents
Bristol	1% of 30,091 residents	29% of 45,540 residents	61% of 27,527 residents	65% of 29,121 residents	59% of 74,766 residents	66% of 73,958 residents	69% of 73,224 residents	76% of 85,414 residents	85% of 39,125 residents	90% of 31,728 residents	92% of 25,741 residents	85% of 42,964 residents	66% of 579,200 residents
Dukes	5% 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	86% of 1,574 residents	88% of 1,929 residents	86% of 20,600 residents
Essex	4% of 44,345 residents	49% of 64,079 residents	79% of 38,871 residents	78% of 41,764 residents	71% of 102,396 residents	80% of 101,407 residents	81% of 99,259 residents	85% of 118,474 residents	91% 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	2% of 3,011 residents	44% of 4,819 residents	69% of 2,910 residents	86% of 2,764 residents	68% of 7,572 residents	75% of 8,732 residents	74% of 8,315 residents	78% of 10,333 residents	83% of 6,159 residents	90% of 5,875 residents	>95% of 4,581 residents	90% of 5,954 residents	74% of 71,029 residents
Hampden	1% of 24,918 residents	33% of 38,042 residents	63% of 23,128 residents	61% of 26,022 residents	58% of 65,472 residents	68% of 59,405 residents	74% of 53,671 residents	79% of 62,992 residents	87% of 31,187 residents	92% of 25,936 residents	>95% of 20,519 residents	88% of 34,534 residents	67% of 465,825 residents
Hampshire	4% of 5,278 residents	63% of 8,930 residents	81% of 5,934 residents	37% of 16,019 residents	45% of 33,434 residents	81% of 16,604 residents	82% of 16,047 residents	85% 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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Individuals Fully Vaccinated

Data as of September 05, 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	10% of 83,667 residents	67% of 121,734 residents	90% of 73,083 residents	79% of 82,715 residents	76% of 242,436 residents	84% of 242,118 residents	87% of 206,995 residents	88% of 222,367 residents	93% of 100,804 residents	>95% of 81,083 residents	>95% of 64,640 residents	93% of 110,359 residents	81% of 1,632,002 residents
Nantucket	*	44% of 1,012 residents	86% of 562 residents	>95% of 507 residents	>95% of 1,722 residents	92% of 2,214 residents	91% of 2,184 residents	91% of 2,082 residents	87% of 945 residents	89% of 764 residents	93% of 562 residents	75% of 847 residents	82% of 14,255 residents
Norfolk	7% of 37,515 residents	63% of 56,630 residents	84% of 35,180 residents	84% of 36,428 residents	78% of 90,767 residents	83% 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	88% of 55,829 residents	80% of 725,981 residents
Plymouth	2% of 27,514 residents	41% of 42,518 residents	68% of 26,597 residents	77% of 27,177 residents	68% of 61,517 residents	74% of 61,280 residents	75% of 65,393 residents	81% of 81,528 residents	88% of 38,334 residents	93% of 31,886 residents	95% of 26,374 residents	92% of 40,701 residents	73% of 530,819 residents
Suffolk	5% of 40,171 residents	51% of 47,420 residents	85% of 26,325 residents	57% of 46,527 residents	77% of 176,345 residents	80% of 145,860 residents	86% of 88,768 residents	87% of 87,549 residents	87% of 40,123 residents	91% of 32,272 residents	93% of 24,580 residents	85% of 41,995 residents	76% of 797,936 residents
Worcester	3% of 45,082 residents	43% of 68,600 residents	72% of 42,016 residents	71% of 46,659 residents	66% of 114,476 residents	73% 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	87% 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	5% of 356,875 residents	51% of 521,112 residents	79% of 316,296 residents	73% of 371,285 residents	75% of 1,010,451 residents	82% 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	91% of 509,277 residents	78% of 7,029,917 residents

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Individuals who have Received Booster Doses

Data as of September 05, 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	53% of 523 residents	57% of 2,256 residents	37% of 5,240 residents	46% of 7,871 residents	68% of 3,977 residents	41% of 100 residents	67% of 152,265 residents	1% of 179,820 Barnstable county residents	63% of 179,820 residents
Berkshire	*	52% of 1,400 residents	43% of 2,599 residents	42% of 4,062 residents	61% of 2,012 residents	*	63% of 82,171 residents	1% of 95,895 Berkshire county residents	60% of 95,895 residents
Bristol	32% of 488 residents	52% of 8,768 residents	42% of 18,143 residents	39% of 32,751 residents	60% of 10,380 residents	34% of 174 residents	56% of 293,676 residents	1% of 380,169 Bristol county residents	53% of 380,169 residents
Dukes	57% of 109 residents	64% of 171 residents	43% of 862 residents	40% of 904 residents	64% of 390 residents	*	67% of 13,458 residents	2% of 17,626 Dukes county residents	60% of 17,626 residents
Essex	35% of 369 residents	60% of 21,992 residents	45% of 21,511 residents	41% of 103,798 residents	66% of 15,932 residents	45% of 201 residents	64% of 424,691 residents	1% of 614,435 Essex county residents	57% of 614,435 residents
Franklin	*	55% of 943 residents	48% of 637 residents	50% of 1,787 residents	71% of 977 residents	*	66% of 46,218 residents	1% of 52,690 Franklin county residents	64% of 52,690 residents
Hampden	36% of 374 residents	53% of 8,529 residents	47% of 21,337 residents	41% of 60,149 residents	60% of 7,284 residents	41% of 191 residents	60% of 194,792 residents	2% of 312,323 Hampden county residents	53% of 312,323 residents
Hampshire	58% of 104 residents	59% of 5,177 residents	54% of 2,267 residents	54% of 5,403 residents	72% of 2,579 residents	*	70% of 94,135 residents	1% of 114,593 Hampshire county residents	67% of 114,593 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 September 05, 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	39% of 997 residents	64% of 158,055 residents	51% of 60,247 residents	45% of 104,955 residents	72% of 62,568 residents	48% of 507 residents	69% of 876,059 residents	1% of 1,322,148 Middlesex county residents	64% of 1,322,148 residents
Nantucket	*	55% of 211 residents	34% of 972 residents	27% of 1,904 residents	63% of 148 residents	*	61% of 7,470 residents	1% of 11,655 Nantucket county residents	50% of 11,655 residents
Norfolk	40% of 375 residents	66% of 65,748 residents	52% of 37,318 residents	51% of 25,948 residents	71% of 29,067 residents	49% of 234 residents	67% of 401,267 residents	1% of 578,516 Norfolk county residents	64% of 578,516 residents
Plymouth	36% of 304 residents	61% of 5,276 residents	41% of 34,985 residents	45% of 14,919 residents	62% of 14,872 residents	41% of 127 residents	62% of 301,487 residents	1% of 385,010 Plymouth county residents	58% of 385,010 residents
Suffolk	42% of 630 residents	61% of 63,530 residents	52% of 107,426 residents	45% of 130,197 residents	69% of 21,610 residents	48% of 597 residents	65% of 245,944 residents	2% of 602,670 Suffolk county residents	56% of 602,670 residents
Worcester	34% of 552 residents	60% of 32,908 residents	45% of 26,920 residents	41% of 73,055 residents	66% of 18,633 residents	45% of 218 residents	62% of 438,198 residents	1% of 612,422 Worcester county residents	57% of 612,422 residents
Unknown/ Unspecified**	1% of 5,256 AI/AN residents	2% of 388,080 Asian residents	1% of 347,794 Black residents	1% of 579,514 Hispanic residents	1% of 193,710 Multi-race residents	*	1% of 3,690,398 White residents	0% of 5,458,137 MA residents	1% of 5,458,137 residents
Massachusetts	39% of 5,256 residents	62% of 388,080 residents	48% of 347,794 residents	43% of 579,514 residents	68% of 193,710 residents	45% of 2,570 residents	64% of 3,690,398 residents	1% of 5,458,137 MA residents	59% of 5,458,137 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 September 05, 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	12% of 5,063 residents	30% of 5,844 residents	49% of 6,785 residents	42% of 15,929 residents	44% of 16,888 residents	53% of 17,047 residents	61% of 27,630 residents	71% of 18,647 residents	78% of 18,950 residents	82% of 17,673 residents	84% of 29,208 residents	63% of 179,820 residents
Berkshire	13% of 4,400 residents	36% of 3,929 residents	51% of 4,379 residents	42% of 9,887 residents	48% of 10,751 residents	56% of 10,571 residents	62% of 15,175 residents	71% of 9,114 residents	78% of 8,380 residents	78% of 7,466 residents	81% of 11,732 residents	60% of 95,895 residents
Bristol	12% of 13,084 residents	26% of 16,665 residents	44% of 19,055 residents	39% of 44,006 residents	41% of 48,598 residents	48% of 50,752 residents	56% of 65,272 residents	66% of 33,377 residents	73% of 28,659 residents	75% of 23,619 residents	76% of 36,643 residents	53% of 380,169 residents
Dukes	9% of 718 residents	40% of 763 residents	52% of 711 residents	34% of 1,964 residents	44% of 2,640 residents	55% of 2,278 residents	66% of 2,634 residents	77% of 1,411 residents	81% of 1,420 residents	85% of 1,349 residents	94% of 1,691 residents	60% of 17,626 residents
Essex	15% of 31,587 residents	35% of 30,622 residents	51% of 32,466 residents	44% of 72,298 residents	48% of 81,462 residents	56% of 80,324 residents	63% of 100,221 residents	71% of 51,305 residents	77% of 43,350 residents	79% of 34,757 residents	80% of 54,437 residents	57% of 614,435 residents
Franklin	19% of 2,100 residents	42% of 2,020 residents	50% of 2,374 residents	46% of 5,176 residents	54% of 6,518 residents	62% of 6,119 residents	65% of 8,102 residents	72% of 5,120 residents	79% of 5,278 residents	86% of 4,456 residents	83% of 5,359 residents	64% of 52,690 residents
Hampden	11% of 12,599 residents	27% of 14,497 residents	41% of 15,888 residents	37% of 37,766 residents	41% of 40,619 residents	50% of 39,728 residents	58% of 50,043 residents	68% of 27,093 residents	75% of 23,942 residents	77% of 19,546 residents	78% of 30,368 residents	53% of 312,323 residents
Hampshire	31% of 5,593 residents	52% of 4,809 residents	56% of 5,847 residents	52% of 15,067 residents	60% of 13,475 residents	67% of 13,209 residents	71% of 17,211 residents	76% of 9,979 residents	82% of 9,725 residents	86% of 8,385 residents	87% of 11,074 residents	67% of 114,593 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 September 05, 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	26% of 81,123 residents	48% of 65,759 residents	60% of 65,235 residents	52% of 184,009 residents	60% of 203,533 residents	67% of 180,029 residents	71% of 195,843 residents	77% of 94,005 residents	82% of 78,315 residents	83% of 63,988 residents	84% of 102,098 residents	64% of 1,322,148 residents
Nantucket	9% of 450 residents	30% of 484 residents	42% of 489 residents	26% of 1,637 residents	36% of 2,045 residents	50% of 1,995 residents	59% of 1,888 residents	70% of 822 residents	80% of 683 residents	82% of 522 residents	85% of 636 residents	50% of 11,655 residents
Norfolk	23% of 35,652 residents	45% of 29,709 residents	62% of 30,506 residents	53% of 70,445 residents	60% of 79,497 residents	67% of 76,216 residents	70% of 92,242 residents	76% of 44,817 residents	82% of 37,420 residents	83% of 30,063 residents	84% of 49,235 residents	64% of 578,516 residents
Plymouth	11% of 17,385 residents	30% of 18,020 residents	51% of 20,794 residents	45% of 41,767 residents	47% of 45,446 residents	55% of 49,021 residents	62% of 66,190 residents	71% of 33,751 residents	78% of 29,550 residents	80% of 25,026 residents	82% of 37,413 residents	58% of 385,010 residents
Suffolk	18% of 24,091 residents	33% of 22,408 residents	42% of 26,556 residents	44% of 135,252 residents	56% of 117,246 residents	59% of 76,462 residents	64% of 76,006 residents	72% of 34,983 residents	78% of 29,239 residents	80% of 22,961 residents	82% of 35,543 residents	56% of 602,670 residents
Worcester	14% of 29,562 residents	34% of 30,237 residents	51% of 32,943 residents	44% of 75,172 residents	48% of 82,112 residents	56% of 82,000 residents	63% of 101,635 residents	72% of 51,263 residents	79% of 42,300 residents	80% of 33,612 residents	82% of 50,451 residents	57% of 612,422 residents
Unknown/ Unspecified**	0% of 267,840 MA residents 5-11 Years	0% of 248,777 MA residents 12-15 Years	1% of 272,599 MA residents 16-19 Years	3% of 759,759 MA residents 20-29 Years	2% of 784,739 MA residents 30-39 Years	1% of 707,518 MA residents 40-49 Years	1% of 843,382 MA residents 50-59 Years	1% of 426,721 MA residents 60-64 Years	1% of 364,729 MA residents 65-69 Years	1% of 298,675 MA residents 70-74 Years	1% of 465,578 MA residents 75+ Years	1% of 5,458,137 residents
Massachusetts	19% of 267,840 residents	38% of 248,777 residents	52% of 272,599 residents	46% of 759,759 residents	53% of 784,739 residents	59% of 707,518 residents	64% of 843,382 residents	72% of 426,721 residents	78% of 364,729 residents	80% of 298,675 residents	81% of 465,578 residents	59% of 5,458,137 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 8/16/2022.

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 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.

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 booster doses were recommended for adults aged 50 years and older. On 5/19/22, children aged five years and older were included in the recommendation to receive a booster dose.

First booster doses are currently recommended for people age 5 and older. Second booster doses are recommended for adults ages 50 years and older and some people ages 12 years and older who are moderately or severely immunocompromised. 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.