



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 10, 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 August 15, 2022

Administered (MIIS)* through Monday, August 15, 2022 (Running totals by day)

	August 9, 2022	August 10, 2022	August 11, 2022	August 12, 2022	August 13, 2022	August 14, 2022	August 15, 2022
At least one dose -- number of people who received at least one dose of Moderna, Pfizer, or Johnson & Johnson vaccine	6,309,947	6,311,590	6,313,119	6,314,567	6,315,268	6,315,703	6,316,418
Fully vaccinated -- number of people who received a primary series of Moderna, Pfizer, or Johnson & Johnson vaccine**	5,439,628	5,440,640	5,441,582	5,442,634	5,443,079	5,443,277	5,443,777
First booster doses -- number of people who received a booster dose of Moderna, Pfizer, or Johnson & Johnson vaccine***	3,181,788	3,183,141	3,184,421	3,185,778	3,186,311	3,186,684	3,187,389
Second booster doses -- number of people who have received at least 2 booster doses****	677,761	679,296	680,816	682,319	683,025	683,456	684,168
Total Doses Administered (MIIS)	15,282,840	15,288,796	15,294,570	15,300,325	15,302,837	15,304,349	15,307,144

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

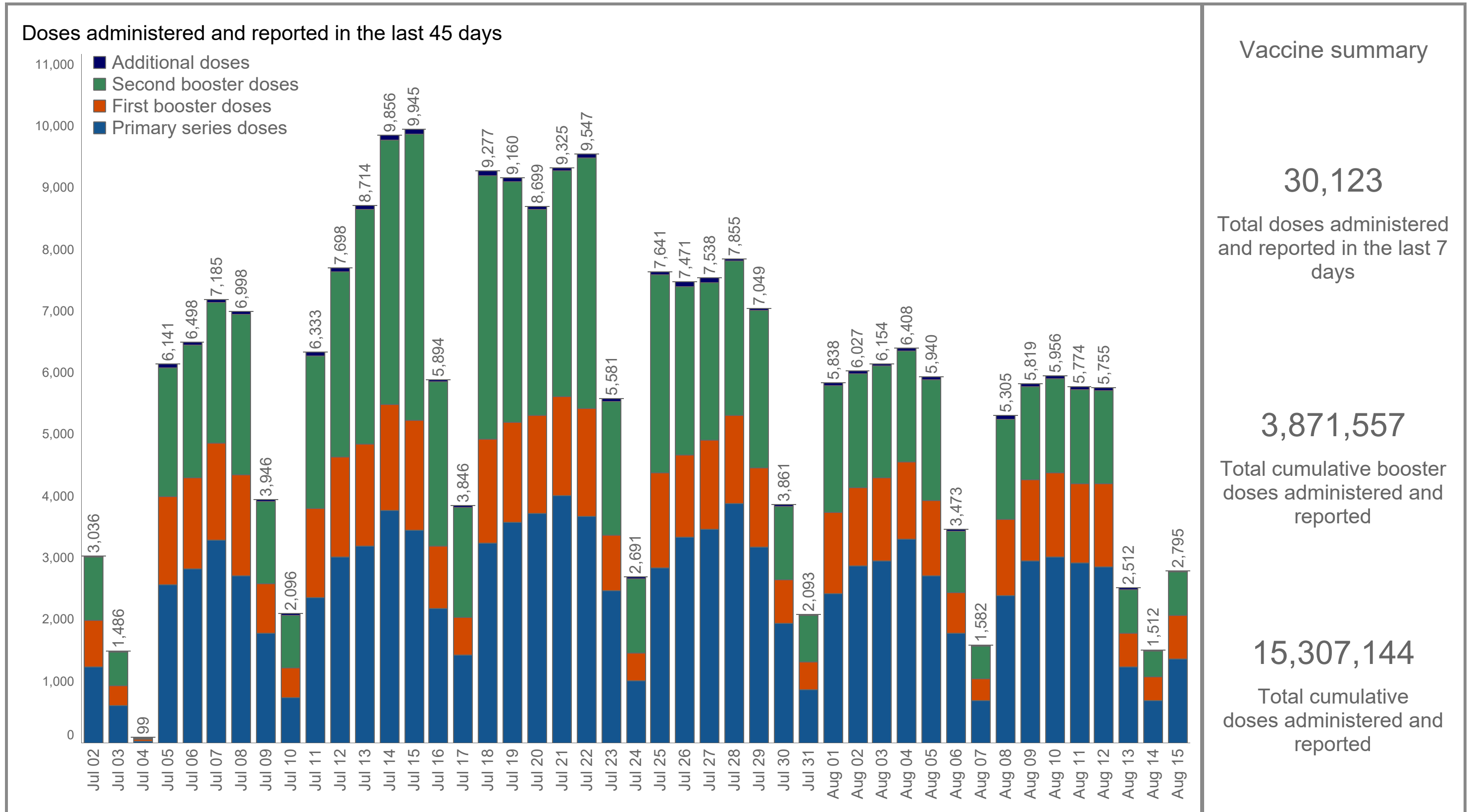
**An individual is counted as fully vaccinated if they have received the number of doses required to complete the COVID-19 vaccine series for their age and all of these doses have been reported to MIIS. Pfizer recipients under 5 years of age require three doses of vaccine; all other Pfizer recipients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

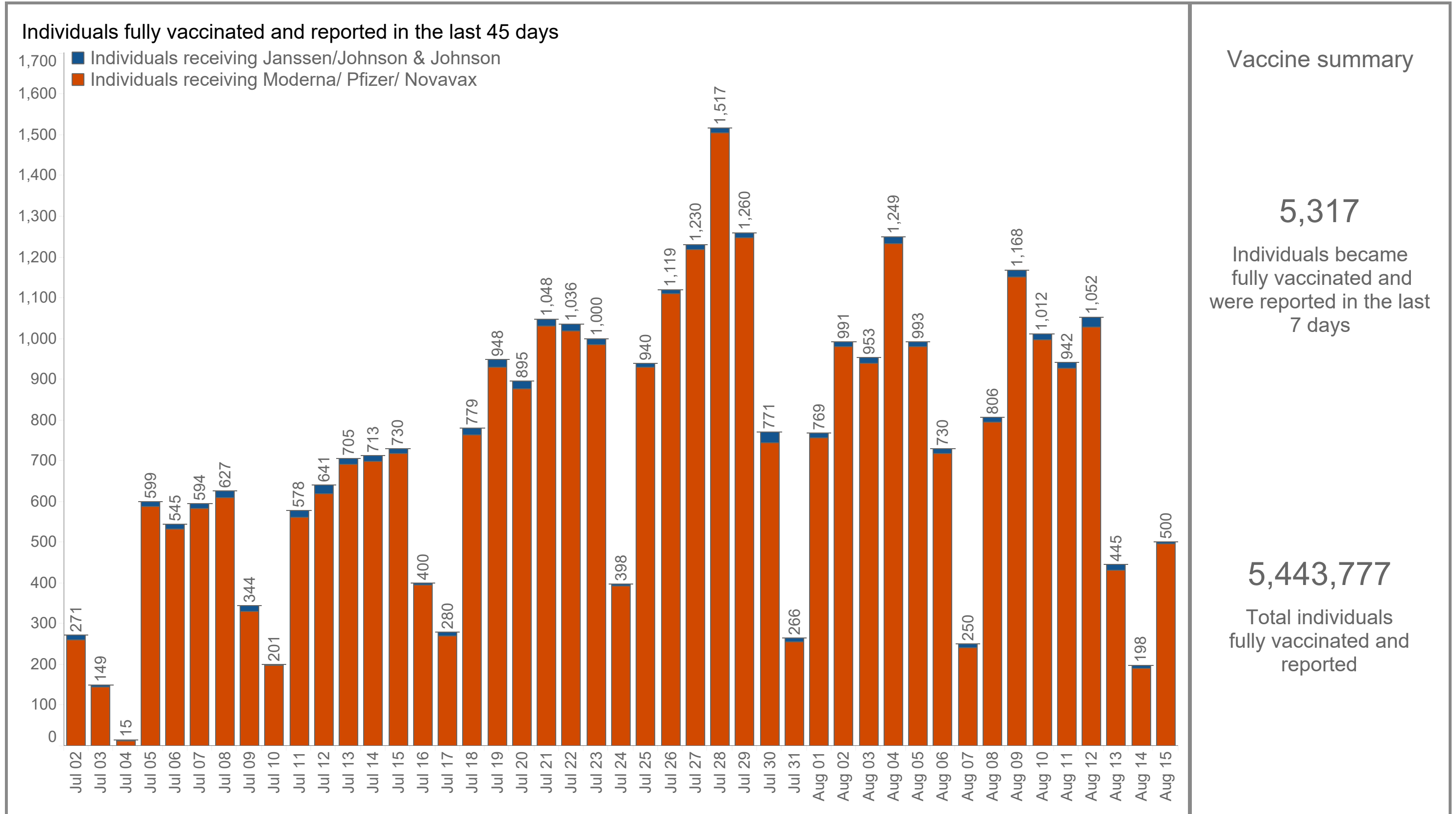
Data as of August 15, 2022



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 August 15, 2022



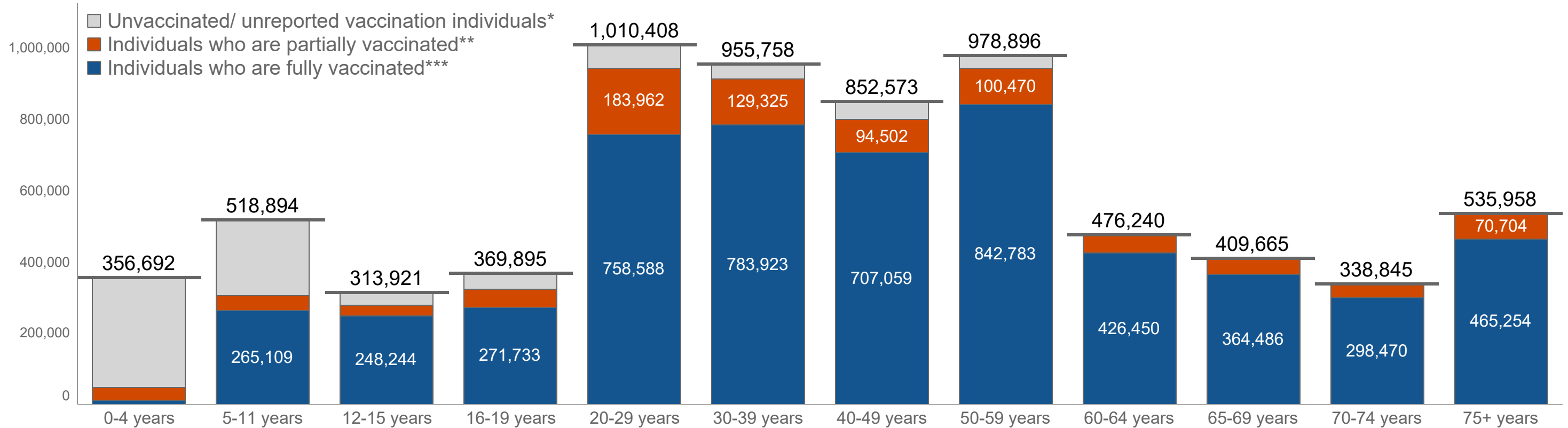
NOTE: Data from MIIS (see "definitions"). Dates reflect the date doses were administered. Individuals fully vaccinated: An individual is counted as fully vaccinated if they have received the number of doses required to complete the COVID-19 vaccine series for their age and all of these doses have been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

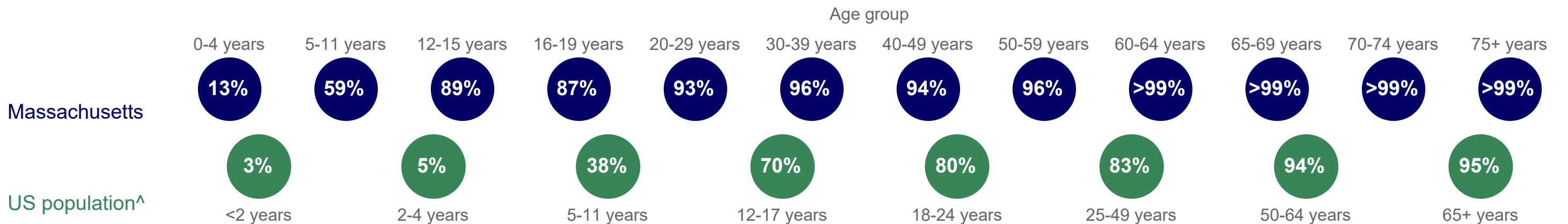
Data as of August 15, 2022

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



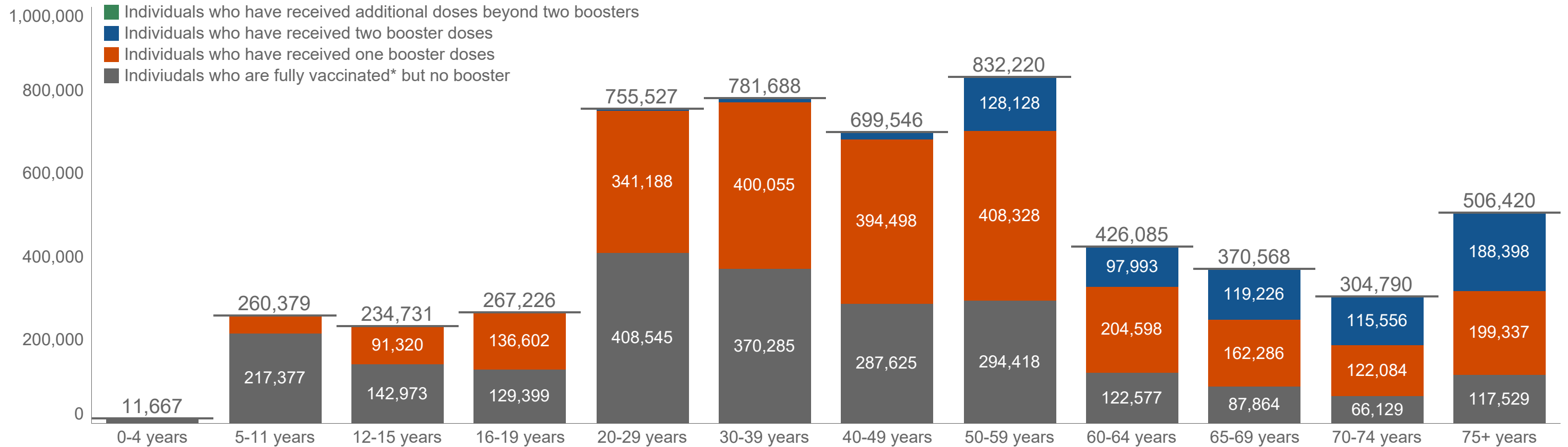
Vaccination status is reported at the age at which the vaccine was administered. Individuals transition into older age groups over time keeping aggregate totals consistent across the sum of all age categories.
 *Unvaccinated/unreported vaccination individuals: This is the population estimate for the 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;2022-08-10://[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

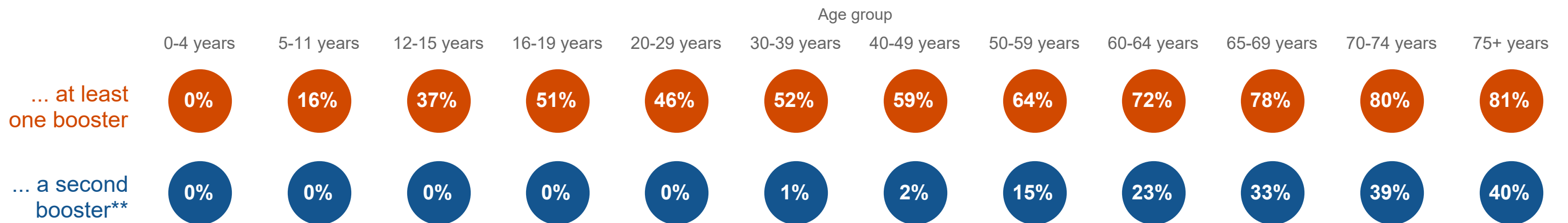
Data as of August 15, 2022

In Massachusetts, 59% of those fully vaccinated have received a booster dose, compared with 48% 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 August 15, 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	69% of 3,230 residents	77% of 6,644 residents	>95% of 7,637 residents	32% of 12,144 residents	>95% of 53 residents	76% of 198,117 residents	4% of 228,996 Barnstable county residents	78% of 228,996 residents
Berkshire	55% of 153 residents	71% of 1,978 residents	63% of 4,132 residents	61% of 6,619 residents	35% 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	60% 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	20% of 1,899 residents	*	79% of 17,031 residents	8% of 20,600 Dukes county residents	85% of 20,600 residents
Essex	44% of 808 residents	73% of 29,651 residents	77% of 27,604 residents	55% of 181,759 residents	59% of 26,257 residents	>95% of 155 residents	78% of 543,595 residents	4% of 809,829 Essex county residents	76% of 809,829 residents
Franklin	51% of 122 residents	77% of 1,215 residents	64% of 985 residents	53% 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	69% of 12,176 residents	58% of 36,442 residents	49% of 120,694 residents	47% 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	70% 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 August 15, 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	74% of 212,123 residents	71% of 84,324 residents	74% of 141,738 residents	76% 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	*	76% of 274 residents	95% of 1,025 residents	87% 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	52% of 736 residents	74% of 88,772 residents	73% 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	79% of 725,981 residents
Plymouth	34% of 893 residents	66% of 7,962 residents	72% of 48,249 residents	63% of 23,417 residents	41% of 35,840 residents	58% of 220 residents	73% of 414,238 residents	3% of 530,819 Plymouth county residents	72% of 530,819 residents
Suffolk	50% of 1,235 residents	78% of 81,295 residents	74% of 142,086 residents	72% of 177,973 residents	55% of 37,543 residents	>95% of 357 residents	68% of 357,446 residents	5% of 797,936 Suffolk county residents	75% of 797,936 residents
Worcester	47% of 1,183 residents	70% of 46,778 residents	59% of 45,164 residents	66% of 110,448 residents	49% of 37,582 residents	>95% of 145 residents	70% 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	72% of 476,930 residents	65% of 878,944 residents	58% of 326,050 residents	>95% of 1,841 residents	76% of 4,826,116 residents	4% of 7,029,917 MA residents	77% of 7,029,917 residents

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Individuals Fully Vaccinated

Data as of August 15, 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	1% 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	78% of 228,996 residents
Berkshire	1% of 5,429 residents	52% of 8,296 residents	73% of 5,380 residents	67% 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	28% of 45,540 residents	60% 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	4% of 882 residents	56% 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	83% of 3,147 residents	83% of 1,702 residents	79% of 1,801 residents	86% of 1,574 residents	87% of 1,929 residents	85% of 20,600 residents
Essex	2% of 44,345 residents	49% of 64,079 residents	79% of 38,871 residents	77% of 41,764 residents	70% 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	94% of 36,776 residents	91% of 60,087 residents	76% of 809,829 residents
Franklin	2% of 3,011 residents	43% 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	62% 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	2% of 5,278 residents	62% of 8,930 residents	81% of 5,934 residents	36% 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	70% 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 August 15, 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	7% of 83,667 residents	66% 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	92% 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	5% of 37,515 residents	62% of 56,630 residents	84% of 35,180 residents	84% of 36,428 residents	77% of 90,767 residents	83% of 95,497 residents	82% of 93,243 residents	87% of 105,961 residents	92% of 48,444 residents	>95% of 39,164 residents	>95% of 31,323 residents	88% of 55,829 residents	79% of 725,981 residents
Plymouth	1% of 27,514 residents	40% of 42,518 residents	68% of 26,597 residents	76% 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	72% of 530,819 residents
Suffolk	3% of 40,171 residents	50% 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	75% of 797,936 residents
Worcester	2% of 45,082 residents	43% of 68,600 residents	72% of 42,016 residents	70% 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	3% of 356,875 residents	51% of 521,112 residents	78% 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	77% of 7,029,917 residents

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Individuals who have Received Booster Doses

Data as of August 15, 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 527 residents	58% of 2,220 residents	37% of 5,123 residents	48% of 7,461 residents	68% of 3,856 residents	40% of 96 residents	67% of 150,845 residents	1% of 179,474 Barnstable county residents	63% of 179,474 residents
Berkshire	*	52% of 1,396 residents	42% of 2,584 residents	42% of 4,047 residents	61% of 1,992 residents	*	62% of 82,029 residents	1% of 95,716 Berkshire county residents	59% of 95,716 residents
Bristol	33% of 489 residents	52% of 8,748 residents	41% of 18,049 residents	38% of 32,529 residents	60% of 10,285 residents	34% of 172 residents	56% of 293,199 residents	1% of 379,414 Bristol county residents	53% of 379,414 residents
Dukes	55% of 109 residents	63% of 172 residents	43% of 857 residents	40% of 897 residents	64% of 386 residents	*	67% of 13,422 residents	2% of 17,588 Dukes county residents	60% of 17,588 residents
Essex	37% of 353 residents	60% of 21,668 residents	45% of 21,176 residents	41% of 100,384 residents	65% of 15,586 residents	44% of 193 residents	64% of 422,559 residents	1% of 612,809 Essex county residents	57% of 612,809 residents
Franklin	*	55% of 940 residents	47% of 631 residents	49% of 1,777 residents	70% of 970 residents	*	66% of 46,103 residents	1% of 52,567 Franklin county residents	63% of 52,567 residents
Hampden	36% of 375 residents	53% of 8,379 residents	47% of 21,180 residents	40% of 59,481 residents	59% of 7,094 residents	42% of 188 residents	60% of 194,115 residents	2% of 311,620 Hampden county residents	53% of 311,620 residents
Hampshire	58% of 103 residents	58% of 5,163 residents	54% of 2,265 residents	54% of 5,396 residents	72% of 2,555 residents	*	70% of 93,937 residents	1% of 114,401 Hampshire county residents	67% of 114,401 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 August 15, 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 991 residents	64% of 157,338 residents	51% of 59,725 residents	45% of 104,315 residents	72% of 61,888 residents	48% of 504 residents	68% of 872,187 residents	1% of 1,317,799 Middlesex county residents	63% of 1,317,799 residents
Nantucket	*	55% of 209 residents	34% of 969 residents	27% of 1,898 residents	62% of 147 residents	*	61% of 7,464 residents	1% of 11,639 Nantucket county residents	49% of 11,639 residents
Norfolk	40% of 379 residents	66% of 65,430 residents	52% of 36,887 residents	51% of 25,766 residents	71% of 28,683 residents	47% of 236 residents	67% of 399,756 residents	1% of 576,802 Norfolk county residents	64% of 576,802 residents
Plymouth	36% of 302 residents	61% of 5,237 residents	41% of 34,693 residents	45% of 14,844 residents	62% of 14,728 residents	40% of 128 residents	62% of 300,598 residents	1% of 384,099 Plymouth county residents	58% of 384,099 residents
Suffolk	42% of 619 residents	61% of 63,076 residents	52% of 104,904 residents	45% of 127,784 residents	69% of 20,745 residents	49% of 565 residents	65% of 243,818 residents	2% of 600,648 Suffolk county residents	56% of 600,648 residents
Worcester	33% of 557 residents	60% of 32,836 residents	45% of 26,787 residents	41% of 72,807 residents	65% of 18,472 residents	44% of 217 residents	62% of 437,272 residents	1% of 611,127 Worcester county residents	57% of 611,127 residents
Unknown/ Unspecified**	1% of 5,234 AI/AN residents	2% of 385,923 Asian residents	1% of 343,118 Black residents	1% of 571,149 Hispanic residents	1% of 190,638 Multi-race residents	*	1% of 3,675,655 White residents	0% of 5,443,777 MA residents	1% of 5,443,777 residents
Massachusetts	39% of 5,234 residents	62% of 385,923 residents	48% of 343,118 residents	43% of 571,149 residents	68% of 190,638 residents	44% of 2,522 residents	64% of 3,675,655 residents	1% of 5,443,777 MA residents	59% of 5,443,777 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 August 15, 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	10% of 5,027 residents	30% of 5,837 residents	48% of 6,765 residents	42% of 15,897 residents	44% of 16,852 residents	53% of 17,037 residents	60% of 27,582 residents	71% of 18,630 residents	78% of 18,917 residents	82% of 17,648 residents	84% of 29,172 residents	63% of 179,474 residents
Berkshire	10% of 4,353 residents	36% of 3,923 residents	50% of 4,366 residents	41% of 9,870 residents	48% of 10,740 residents	56% of 10,558 residents	62% of 15,165 residents	71% of 9,105 residents	78% of 8,377 residents	78% of 7,462 residents	81% of 11,727 residents	59% of 95,716 residents
Bristol	9% of 12,893 residents	25% of 16,620 residents	43% of 18,981 residents	38% of 43,921 residents	40% of 48,539 residents	48% of 50,705 residents	56% of 65,234 residents	66% of 33,371 residents	72% of 28,635 residents	75% of 23,596 residents	76% of 36,630 residents	53% of 379,414 residents
Dukes	8% of 712 residents	39% of 762 residents	52% of 710 residents	34% of 1,964 residents	44% of 2,638 residents	55% of 2,277 residents	66% of 2,626 residents	77% of 1,411 residents	81% of 1,420 residents	85% of 1,347 residents	94% of 1,685 residents	60% of 17,588 residents
Essex	12% of 31,274 residents	34% of 30,545 residents	50% of 32,337 residents	43% of 72,153 residents	48% of 81,352 residents	56% of 80,259 residents	63% of 100,157 residents	71% of 51,254 residents	77% of 43,328 residents	79% of 34,741 residents	80% of 54,407 residents	57% of 612,809 residents
Franklin	13% of 2,061 residents	41% of 2,014 residents	49% of 2,369 residents	46% of 5,163 residents	53% of 6,506 residents	62% of 6,116 residents	65% of 8,096 residents	72% of 5,114 residents	79% of 5,274 residents	86% of 4,452 residents	83% of 5,353 residents	63% of 52,567 residents
Hampden	8% of 12,452 residents	26% of 14,451 residents	41% of 15,807 residents	37% of 37,674 residents	41% of 40,528 residents	49% of 39,688 residents	58% of 49,999 residents	68% of 27,074 residents	74% of 23,924 residents	77% of 19,524 residents	78% of 30,348 residents	53% of 311,620 residents
Hampshire	26% of 5,548 residents	51% of 4,804 residents	55% of 5,834 residents	52% of 15,059 residents	60% of 13,469 residents	67% of 13,207 residents	70% of 17,198 residents	76% of 9,978 residents	82% of 9,720 residents	86% of 8,386 residents	86% of 11,068 residents	67% of 114,401 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 August 15, 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	23% of 80,401 residents	47% of 65,645 residents	59% of 65,122 residents	52% of 183,789 residents	60% of 203,401 residents	67% of 179,925 residents	71% of 195,753 residents	76% of 93,971 residents	81% of 78,298 residents	83% of 63,977 residents	83% of 102,029 residents	63% of 1,317,799 residents
Nantucket	8% of 443 residents	29% of 481 residents	41% of 488 residents	26% of 1,641 residents	36% of 2,044 residents	50% of 1,995 residents	59% of 1,887 residents	70% of 822 residents	80% of 681 residents	82% of 521 residents	85% of 634 residents	49% of 11,639 residents
Norfolk	20% of 35,327 residents	44% of 29,655 residents	61% of 30,420 residents	53% of 70,335 residents	59% of 79,410 residents	67% of 76,196 residents	70% of 92,189 residents	76% of 44,771 residents	82% of 37,407 residents	83% of 30,043 residents	84% of 49,222 residents	64% of 576,802 residents
Plymouth	9% of 17,207 residents	30% of 17,959 residents	50% of 20,707 residents	45% of 41,683 residents	47% of 45,394 residents	55% of 48,995 residents	62% of 66,136 residents	70% of 33,725 residents	77% of 29,524 residents	80% of 25,010 residents	81% of 37,383 residents	58% of 384,099 residents
Suffolk	15% of 23,737 residents	31% of 22,331 residents	41% of 26,441 residents	44% of 134,963 residents	56% of 117,067 residents	59% of 76,370 residents	64% of 75,875 residents	72% of 34,957 residents	77% of 29,207 residents	79% of 22,939 residents	81% of 35,494 residents	56% of 600,648 residents
Worcester	11% of 29,270 residents	34% of 30,205 residents	51% of 32,822 residents	44% of 75,062 residents	48% of 82,016 residents	56% of 81,939 residents	63% of 101,594 residents	71% of 51,244 residents	78% of 42,273 residents	80% of 33,591 residents	81% of 50,429 residents	57% of 611,127 residents
Unknown/ Unspecified**	0% of 265,109 MA residents 5-11 Years	0% of 248,244 MA residents 12-15 Years	1% of 271,733 MA residents 16-19 Years	3% of 758,588 MA residents 20-29 Years	2% of 783,923 MA residents 30-39 Years	1% of 707,059 MA residents 40-49 Years	1% of 842,783 MA residents 50-59 Years	1% of 426,450 MA residents 60-64 Years	1% of 364,486 MA residents 65-69 Years	1% of 298,470 MA residents 70-74 Years	1% of 465,254 MA residents 75+ Years	1% of 5,443,777 residents
Massachusetts	16% of 265,109 residents	37% of 248,244 residents	51% of 271,733 residents	46% of 758,588 residents	52% of 783,923 residents	59% of 707,059 residents	64% of 842,783 residents	72% of 426,450 residents	78% of 364,486 residents	80% of 298,470 residents	81% of 465,254 residents	59% of 5,443,777 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 6 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 2 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 5 months after completing primary series. On 1/7/22, the Moderna vaccine booster dose recommendation was revised to be 5 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 5 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.