



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 24, 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 29, 2022

Administered (MIIS)* through Monday, August 29, 2022 (Running totals by day)							
	August 23, 2022	August 24, 2022	August 25, 2022	August 26, 2022	August 27, 2022	August 28, 2022	August 29, 2022
At least one dose -- number of people who received at least one dose of Moderna, Pfizer, or Johnson & Johnson vaccine	6,323,605	6,324,993	6,326,465	6,327,782	6,328,512	6,328,894	6,329,676
Fully vaccinated -- number of people who received a primary series of Moderna, Pfizer, or Johnson & Johnson vaccine**	5,450,832	5,451,659	5,452,581	5,453,289	5,453,678	5,453,937	5,454,534
First booster doses -- number of people who received a booster dose of Moderna, Pfizer, or Johnson & Johnson vaccine***	3,200,579	3,202,012	3,203,419	3,204,695	3,205,257	3,205,692	3,206,623
Second booster doses -- number of people who have received at least 2 booster doses****	695,562	696,593	697,605	698,609	699,127	699,466	699,985
Total Doses Administered (MIIS)	15,348,371	15,353,335	15,358,524	15,363,097	15,365,421	15,366,891	15,369,944

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

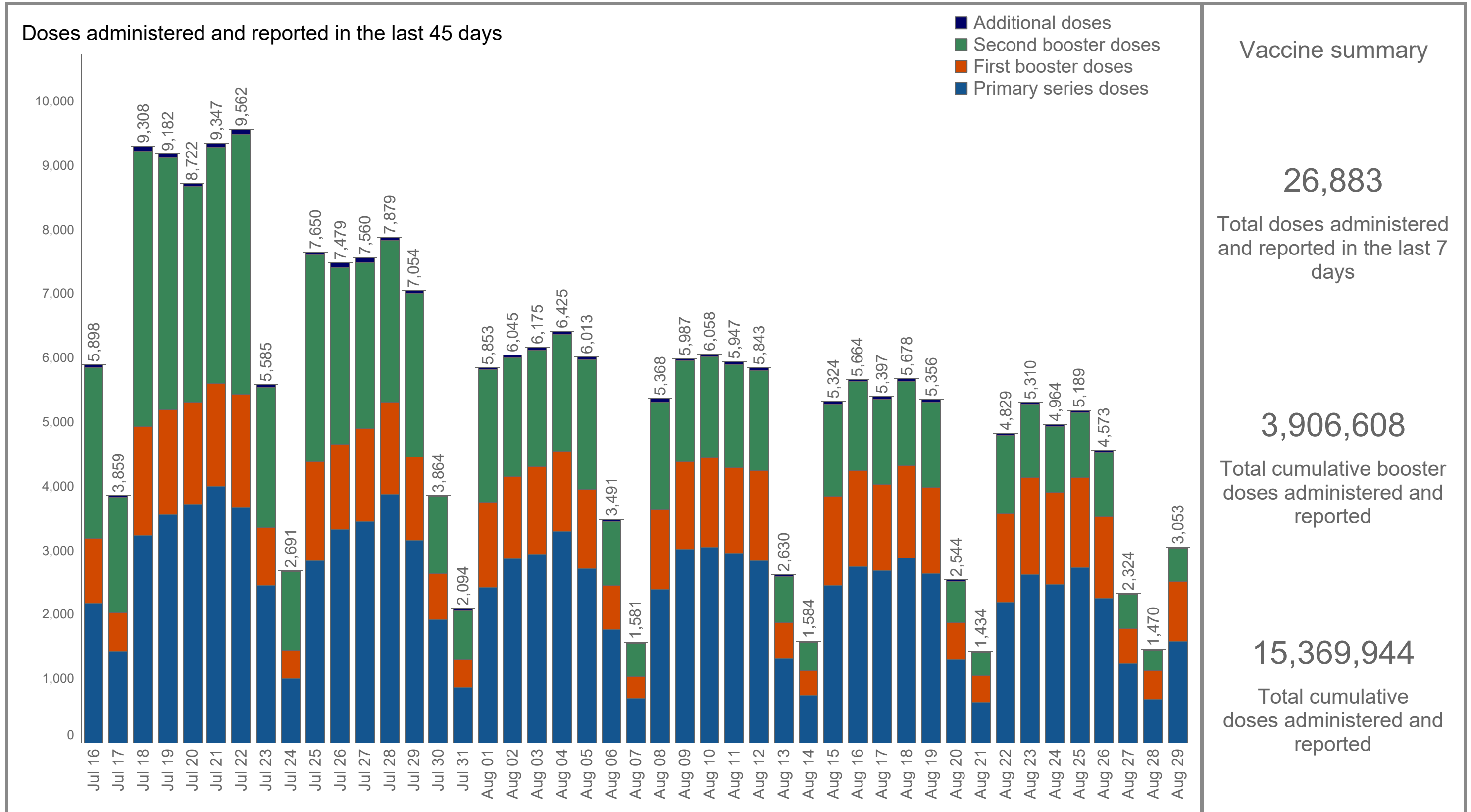
**An individual is counted as fully vaccinated if they have received the number of doses required to complete the COVID-19 vaccine series for their age and all of these doses have been reported to MIIS. Pfizer recipients under 5 years of age require three doses of vaccine; all other Pfizer recipients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

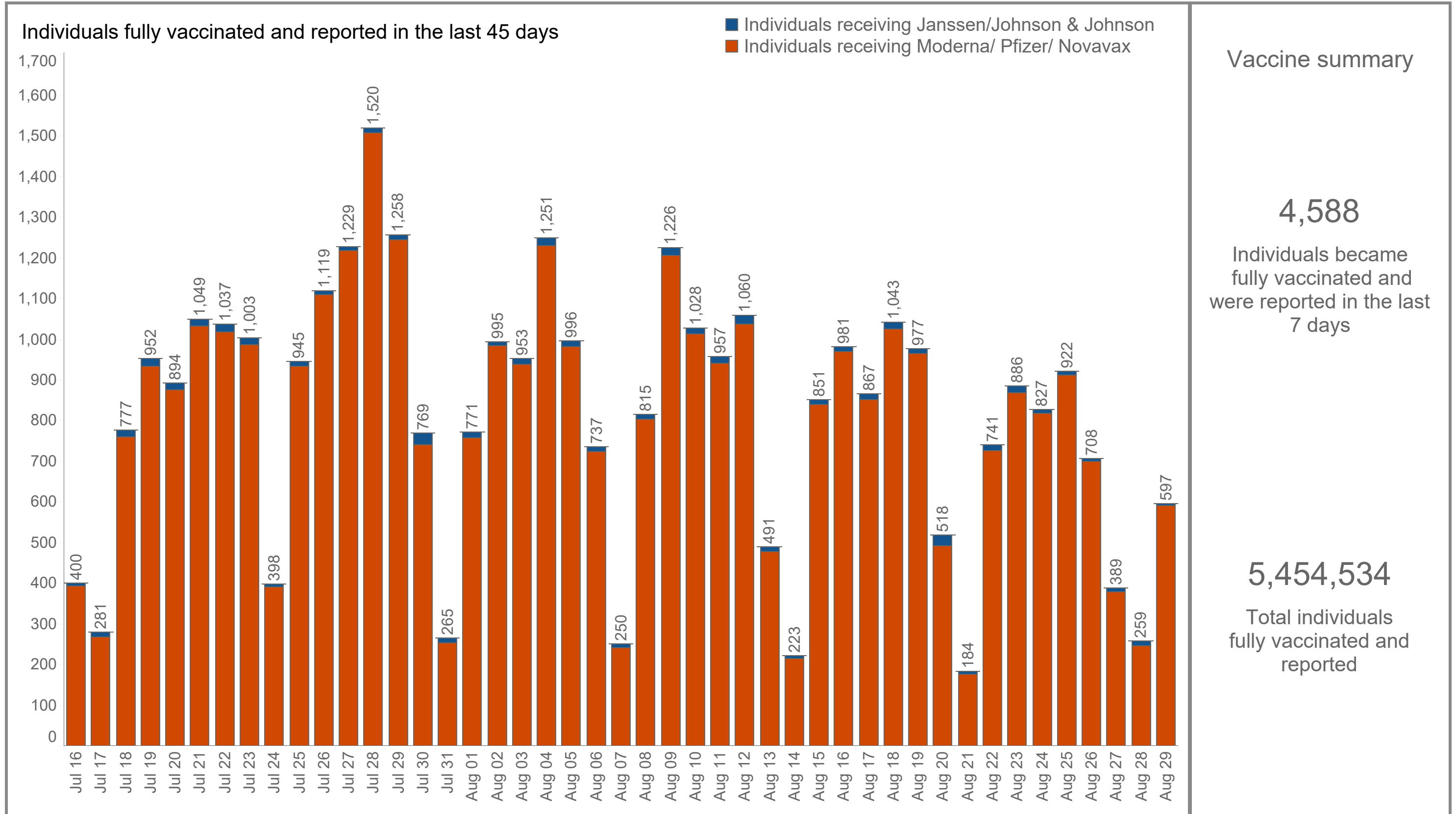
Data as of August 29, 2022



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 29, 2022



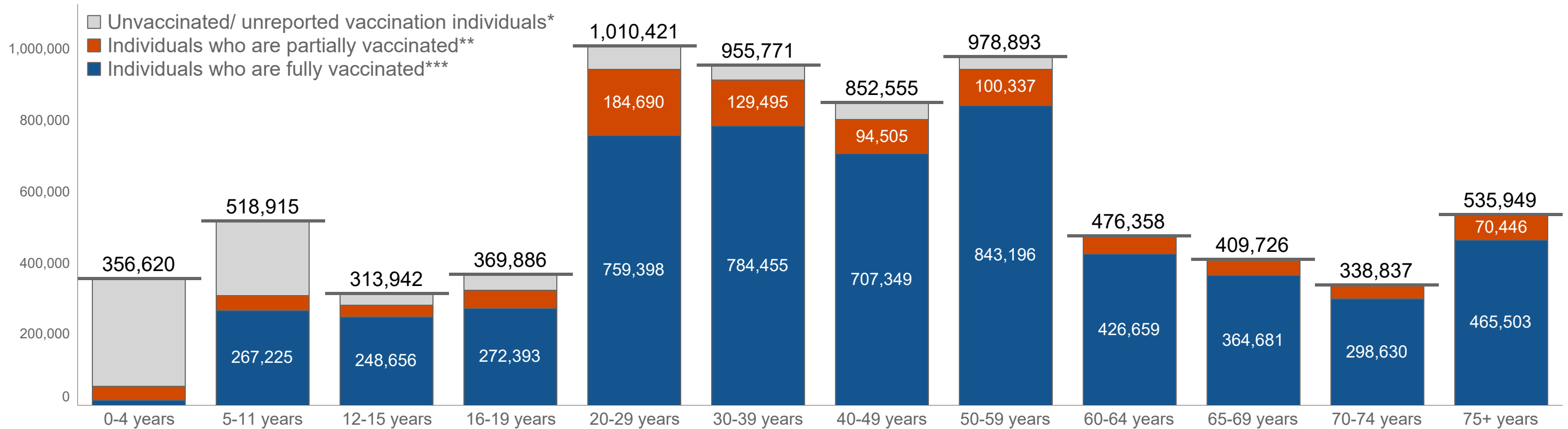
NOTE: Data from MIIS (see "definitions"). Dates reflect the date doses were administered. Individuals fully vaccinated: An individual is counted as fully vaccinated if they have received the number of doses required to complete the COVID-19 vaccine series for their age and all of these doses have been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

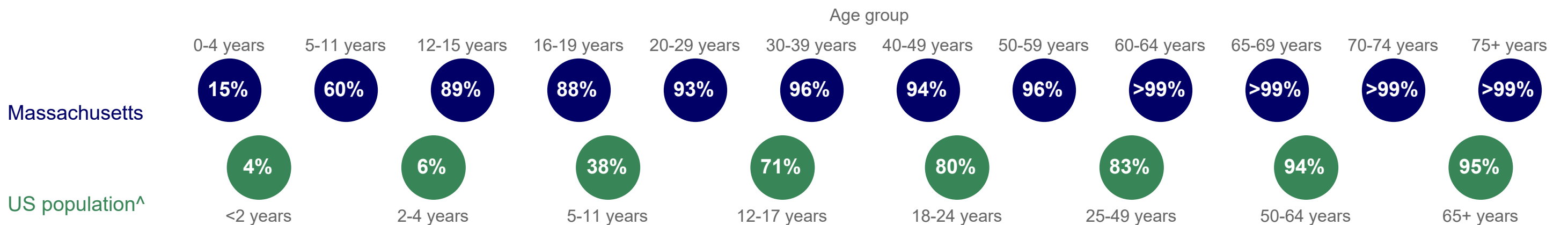
Data as of August 29, 2022

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



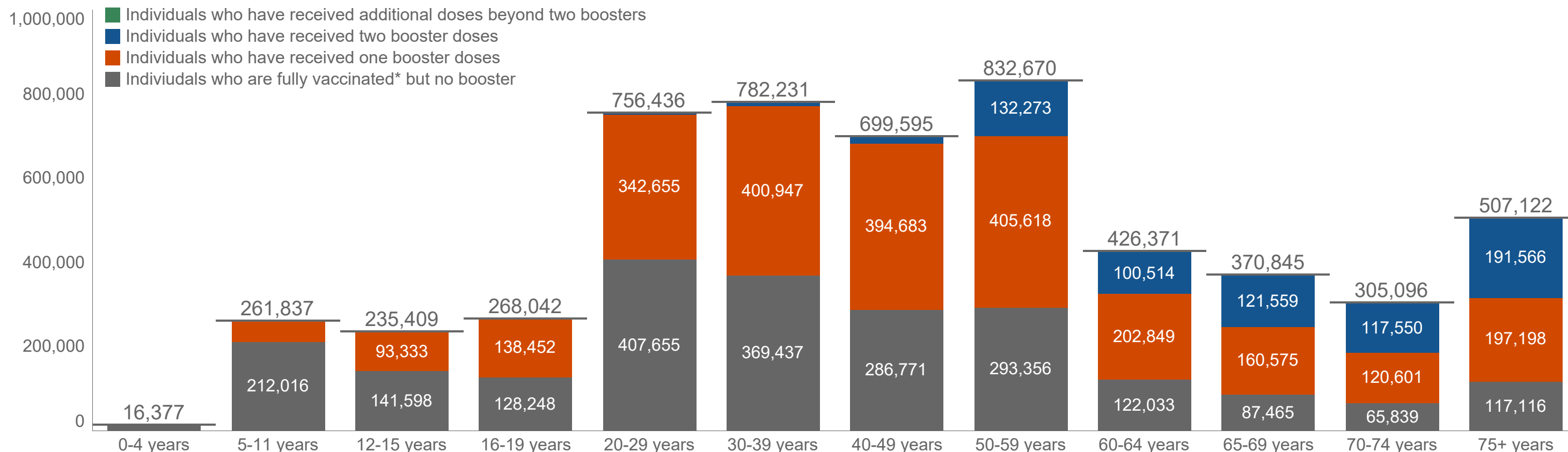
Vaccination status is reported at the age at which the vaccine was administered. Individuals transition into older age groups over time keeping aggregate totals consistent across the sum of all age categories.
 *Unvaccinated/unreported vaccination individuals: This is the population estimate for the 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;2022-08-24://[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

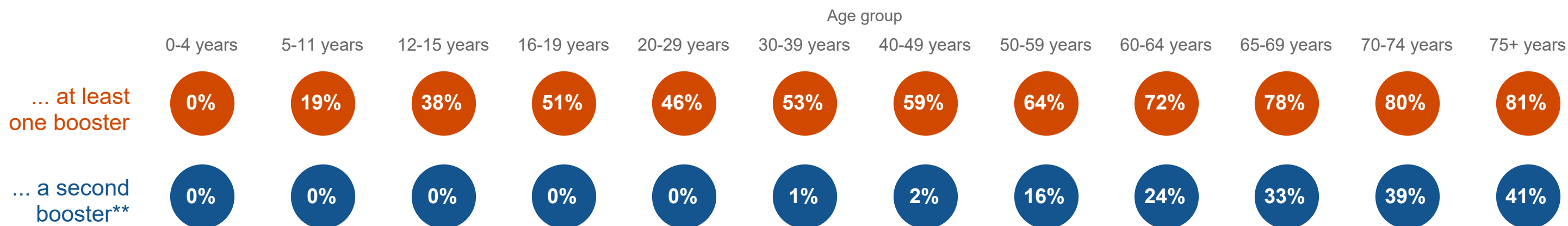
Data as of August 29, 2022

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 August 29, 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	54% 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	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	20% of 1,899 residents	*	79% of 17,031 residents	8% of 20,600 Dukes county residents	86% of 20,600 residents
Essex	43% of 808 residents	73% of 29,651 residents	77% of 27,604 residents	55% of 181,759 residents	60% 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	78% of 1,215 residents	64% 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	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	51% 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 August 29, 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	*	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	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	80% of 725,981 residents
Plymouth	34% of 893 residents	66% of 7,962 residents	72% of 48,249 residents	64% 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	56% 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	60% of 45,164 residents	66% of 110,448 residents	49% 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	72% of 476,930 residents	65% 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 August 29, 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	78% of 228,996 residents
Berkshire	1% of 5,429 residents	53% 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	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	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	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	3% 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	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	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	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	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 August 29, 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	9% 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	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	4% 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	75% of 797,936 residents
Worcester	2% 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 August 29, 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 524 residents	58% of 2,224 residents	37% of 5,133 residents	48% of 7,469 residents	68% of 3,880 residents	40% of 96 residents	67% of 151,029 residents	1% of 179,681 Barnstable county residents	63% of 179,681 residents
Berkshire	*	52% of 1,400 residents	43% of 2,594 residents	42% of 4,055 residents	61% of 2,005 residents	*	62% of 82,110 residents	1% of 95,824 Berkshire county residents	60% of 95,824 residents
Bristol	32% of 492 residents	52% of 8,762 residents	42% of 18,099 residents	39% of 32,691 residents	60% of 10,347 residents	34% of 172 residents	56% of 293,547 residents	1% of 380,020 Bristol county residents	53% of 380,020 residents
Dukes	57% of 109 residents	63% of 172 residents	43% of 859 residents	40% of 902 residents	64% of 388 residents	*	67% of 13,437 residents	2% of 17,613 Dukes county residents	60% of 17,613 residents
Essex	37% of 351 residents	60% of 21,704 residents	45% of 21,213 residents	41% of 100,697 residents	66% of 15,668 residents	44% of 196 residents	64% of 423,215 residents	1% of 613,924 Essex county residents	57% of 613,924 residents
Franklin	*	55% of 943 residents	48% of 634 residents	50% of 1,784 residents	71% of 975 residents	*	66% of 46,189 residents	1% of 52,664 Franklin county residents	64% of 52,664 residents
Hampden	36% of 377 residents	53% of 8,395 residents	47% of 21,253 residents	41% of 59,596 residents	60% of 7,136 residents	42% of 188 residents	60% of 194,402 residents	2% of 312,151 Hampden county residents	53% of 312,151 residents
Hampshire	58% of 104 residents	58% of 5,173 residents	54% of 2,264 residents	54% of 5,404 residents	72% of 2,570 residents	*	70% of 94,077 residents	1% of 114,568 Hampshire county residents	67% of 114,568 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 29, 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 994 residents	64% of 157,824 residents	51% of 59,910 residents	45% of 104,455 residents	72% of 62,160 residents	48% of 504 residents	69% of 874,451 residents	1% of 1,321,220 Middlesex county residents	64% of 1,321,220 residents
Nantucket	*	55% of 211 residents	34% of 972 residents	27% of 1,903 residents	63% of 148 residents	*	61% of 7,471 residents	1% of 11,656 Nantucket county residents	49% of 11,656 residents
Norfolk	40% of 377 residents	66% of 65,593 residents	52% of 37,084 residents	51% of 25,805 residents	71% of 28,826 residents	49% of 235 residents	67% of 400,576 residents	1% of 578,085 Norfolk county residents	64% of 578,085 residents
Plymouth	36% of 305 residents	61% of 5,254 residents	41% of 34,859 residents	45% of 14,876 residents	62% of 14,796 residents	41% of 128 residents	62% of 301,042 residents	1% of 384,769 Plymouth county residents	58% of 384,769 residents
Suffolk	43% of 618 residents	61% of 63,205 residents	52% of 105,723 residents	46% of 128,163 residents	70% of 20,909 residents	49% of 568 residents	65% of 244,337 residents	2% of 601,992 Suffolk county residents	56% of 601,992 residents
Worcester	34% of 554 residents	60% of 32,888 residents	45% of 26,889 residents	41% of 72,955 residents	66% of 18,574 residents	45% of 217 residents	62% of 437,900 residents	1% of 612,146 Worcester county residents	57% of 612,146 residents
Unknown/ Unspecified**	1% of 5,235 AI/AN residents	2% of 386,861 Asian residents	1% of 344,786 Black residents	1% of 572,545 Hispanic residents	1% of 191,641 Multi-race residents	*	1% of 3,682,249 White residents	0% of 5,454,534 MA residents	1% of 5,454,534 residents
Massachusetts	39% of 5,235 residents	62% of 386,861 residents	48% of 344,786 residents	43% of 572,545 residents	68% of 191,641 residents	45% of 2,526 residents	64% of 3,682,249 residents	1% of 5,454,534 MA residents	59% of 5,454,534 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 29, 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	11% of 5,053 residents	30% of 5,840 residents	49% of 6,777 residents	42% of 15,918 residents	44% of 16,863 residents	53% of 17,043 residents	61% of 27,609 residents	71% of 18,646 residents	78% of 18,938 residents	82% of 17,660 residents	84% of 29,193 residents	63% of 179,681 residents
Berkshire	12% of 4,381 residents	36% of 3,928 residents	50% of 4,375 residents	41% of 9,883 residents	48% of 10,751 residents	56% of 10,569 residents	62% of 15,172 residents	71% of 9,111 residents	78% of 8,379 residents	78% of 7,465 residents	81% of 11,731 residents	60% of 95,824 residents
Bristol	12% of 13,038 residents	26% of 16,654 residents	44% of 19,041 residents	39% of 43,991 residents	41% of 48,587 residents	48% of 50,746 residents	56% of 65,266 residents	66% of 33,378 residents	73% of 28,660 residents	75% of 23,611 residents	76% of 36,641 residents	53% of 380,020 residents
Dukes	9% of 714 residents	40% of 763 residents	52% of 711 residents	34% of 1,965 residents	44% of 2,639 residents	55% of 2,277 residents	66% of 2,630 residents	77% of 1,411 residents	81% of 1,420 residents	85% of 1,349 residents	94% of 1,690 residents	60% of 17,613 residents
Essex	15% of 31,507 residents	35% of 30,597 residents	51% of 32,421 residents	43% of 72,242 residents	48% of 81,405 residents	56% of 80,285 residents	63% of 100,184 residents	71% of 51,287 residents	77% of 43,344 residents	79% of 34,754 residents	80% of 54,429 residents	57% of 613,924 residents
Franklin	18% of 2,094 residents	42% of 2,018 residents	50% of 2,373 residents	46% of 5,170 residents	54% of 6,515 residents	62% of 6,119 residents	65% of 8,100 residents	72% of 5,118 residents	79% of 5,278 residents	86% of 4,456 residents	83% of 5,358 residents	64% of 52,664 residents
Hampden	10% of 12,571 residents	27% of 14,486 residents	41% of 15,872 residents	37% of 37,735 residents	41% of 40,593 residents	50% of 39,715 residents	58% of 50,034 residents	68% of 27,089 residents	75% of 23,938 residents	77% of 19,538 residents	78% of 30,362 residents	53% of 312,151 residents
Hampshire	30% of 5,588 residents	52% of 4,807 residents	56% of 5,841 residents	52% of 15,069 residents	60% of 13,474 residents	67% of 13,209 residents	70% of 17,206 residents	76% of 9,977 residents	82% of 9,723 residents	86% of 8,388 residents	87% of 11,072 residents	67% of 114,568 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 29, 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	25% of 80,960 residents	48% of 65,738 residents	60% of 65,208 residents	52% of 183,949 residents	60% of 203,490 residents	67% of 180,004 residents	71% of 195,833 residents	77% of 94,001 residents	82% of 78,316 residents	83% of 63,985 residents	83% of 102,084 residents	64% of 1,321,220 residents
Nantucket	8% of 450 residents	30% of 484 residents	42% of 489 residents	26% of 1,640 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 521 residents	85% of 635 residents	49% of 11,656 residents
Norfolk	22% of 35,557 residents	45% of 29,696 residents	61% of 30,493 residents	53% of 70,410 residents	60% of 79,484 residents	67% of 76,203 residents	70% of 92,230 residents	76% of 44,811 residents	82% of 37,420 residents	83% of 30,061 residents	84% of 49,230 residents	64% of 578,085 residents
Plymouth	11% of 17,347 residents	30% of 18,002 residents	51% of 20,775 residents	45% of 41,749 residents	47% of 45,436 residents	55% of 49,011 residents	62% of 66,180 residents	70% of 33,744 residents	77% of 29,544 residents	80% of 25,024 residents	81% of 37,410 residents	58% of 384,769 residents
Suffolk	17% of 24,013 residents	32% of 22,398 residents	42% of 26,514 residents	44% of 135,103 residents	56% of 117,143 residents	59% of 76,413 residents	64% of 75,942 residents	72% of 34,971 residents	78% of 29,223 residents	80% of 22,959 residents	82% of 35,528 residents	56% of 601,992 residents
Worcester	14% of 29,527 residents	34% of 30,231 residents	51% of 32,928 residents	44% of 75,162 residents	48% of 82,085 residents	56% of 81,985 residents	63% of 101,627 residents	72% of 51,260 residents	79% of 42,294 residents	80% of 33,607 residents	82% of 50,451 residents	57% of 612,146 residents
Unknown/ Unspecified**	0% of 267,225 MA residents 5-11 Years	0% of 248,656 MA residents 12-15 Years	1% of 272,393 MA residents 16-19 Years	3% of 759,398 MA residents 20-29 Years	2% of 784,455 MA residents 30-39 Years	1% of 707,349 MA residents 40-49 Years	1% of 843,196 MA residents 50-59 Years	1% of 426,659 MA residents 60-64 Years	1% of 364,681 MA residents 65-69 Years	1% of 298,630 MA residents 70-74 Years	1% of 465,503 MA residents 75+ Years	1% of 5,454,534 residents
Massachusetts	19% of 267,225 residents	38% of 248,656 residents	51% of 272,393 residents	46% of 759,398 residents	53% of 784,455 residents	59% of 707,349 residents	64% of 843,196 residents	72% of 426,659 residents	78% of 364,681 residents	80% of 298,630 residents	81% of 465,503 residents	59% of 5,454,534 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.