



# 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 3, 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 08, 2022

Administered (MIIS)* through Monday, August 8, 2022 (Running totals by day)							
	August 2, 2022	August 3, 2022	August 4, 2022	August 5, 2022	August 6, 2022	August 7, 2022	August 8, 2022
At least one dose -- number of <b>people</b> who received at least one dose of Moderna, Pfizer, or Johnson & Johnson vaccine	6,303,772	6,305,318	6,306,812	6,308,212	6,309,119	6,309,477	6,310,350
Fully vaccinated -- number of <b>people</b> who received a primary series of Moderna, Pfizer, or Johnson & Johnson vaccine**	5,433,394	5,434,344	5,435,589	5,436,569	5,437,294	5,437,536	5,438,096
First booster doses -- number of <b>people</b> who received a booster dose of Moderna, Pfizer, or Johnson & Johnson vaccine***	3,172,776	3,174,105	3,175,339	3,176,526	3,177,181	3,177,526	3,178,270
Second booster doses -- number of <b>people</b> who have received at least 2 booster doses****	666,553	668,350	670,136	672,038	673,025	673,542	674,402
<b>Total Doses Administered (MIIS)</b>	15,247,748	15,253,865	15,260,238	15,266,055	15,269,496	15,271,039	15,274,348

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

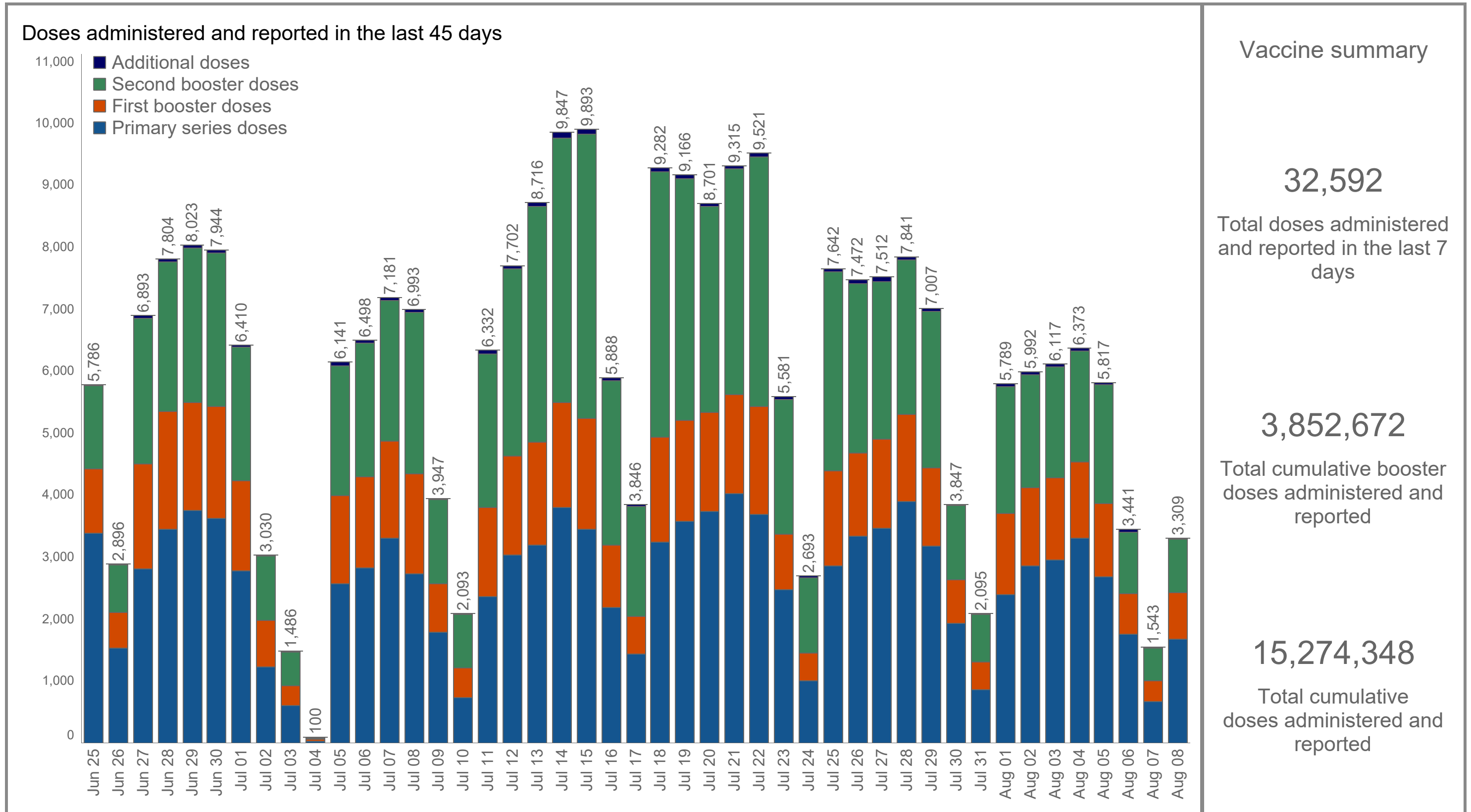
\*\*An individual is counted as fully vaccinated if they have received the number of doses required to complete the COVID-19 vaccine series for their age and all of these doses have been reported to MIIS. Pfizer recipients under 5 years of age require three doses of vaccine; all other ages require two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

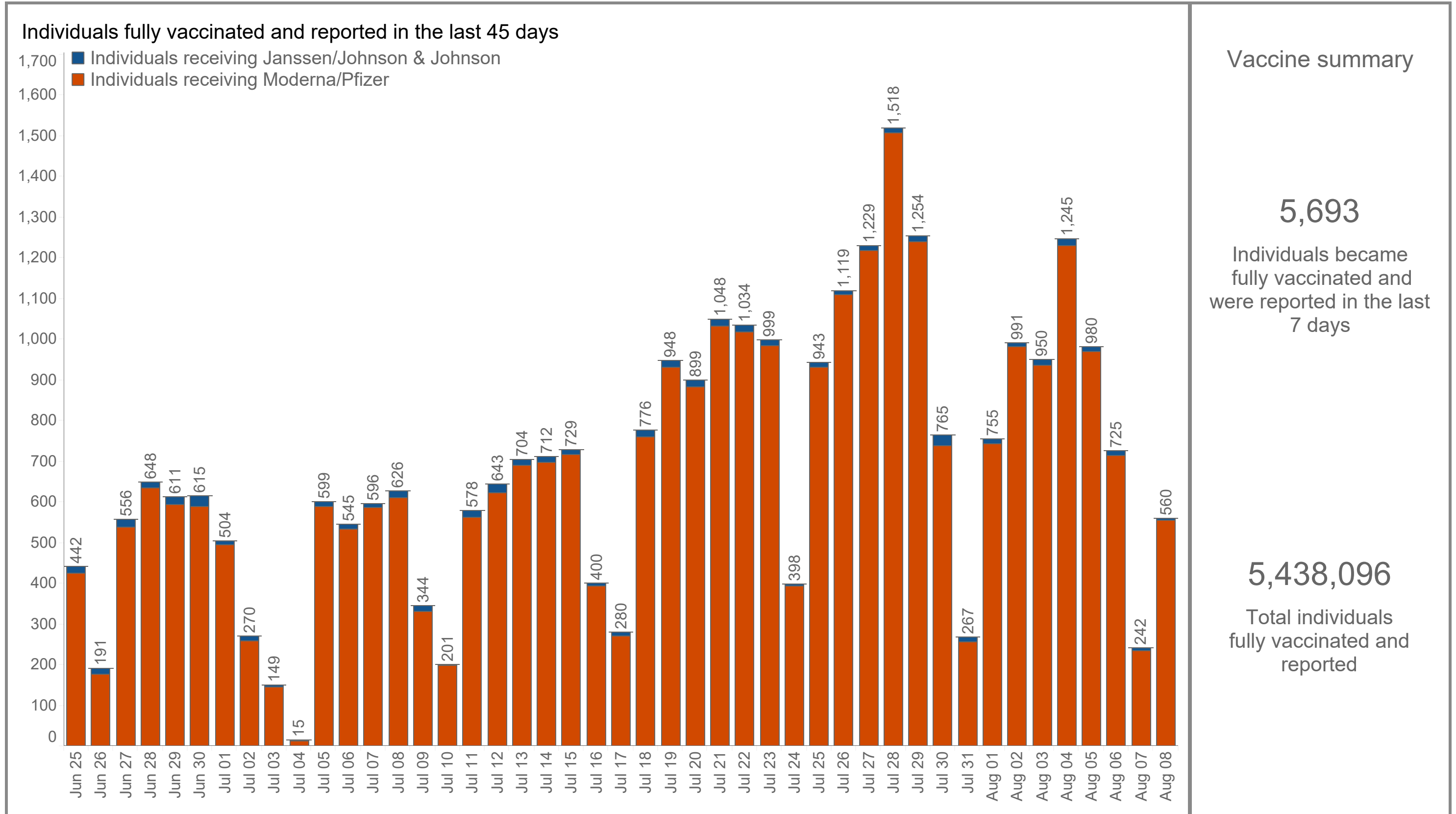
Data as of August 08, 2022



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, 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 ages require two doses. Moderna 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 08, 2022



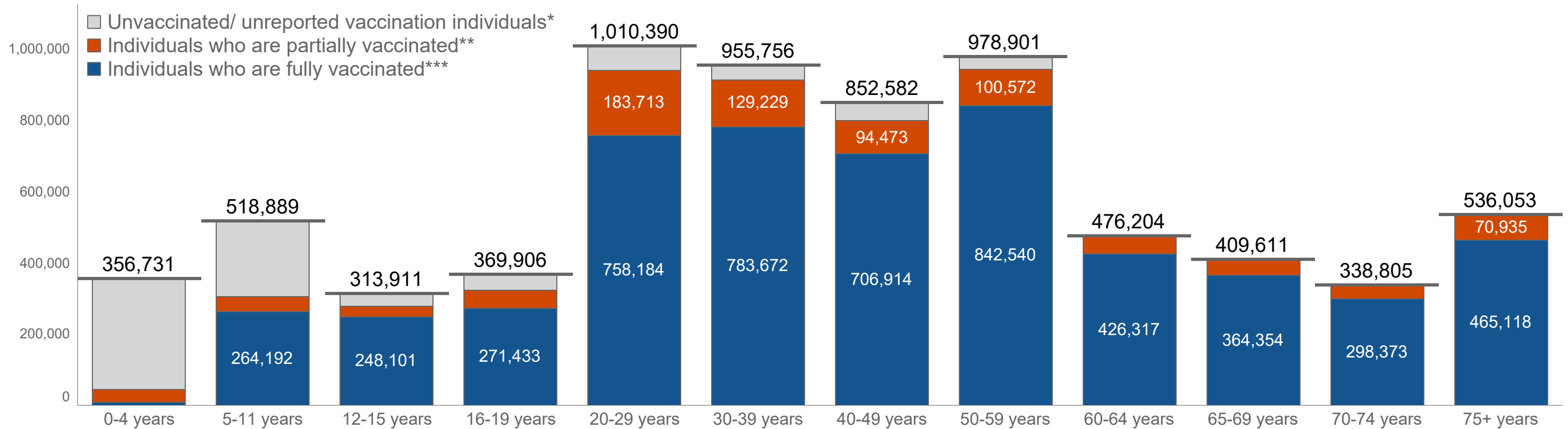
NOTE: Data from MIIS (see "definitions"). Dates reflect the date doses were administered. Individuals fully vaccinated: An individual is counted as fully vaccinated if they have received the number of doses required to complete the COVID-19 vaccine series for their age and all of these doses have been reported to MIIS. Pfizer recipients under 5 years of age require 3 doses of vaccine; all other ages require 2 doses. Moderna recipients require 2 doses of vaccine. Janssen/Johnson & Johnson recipients require 1 dose of vaccine.

# Individuals with at Least One Dose

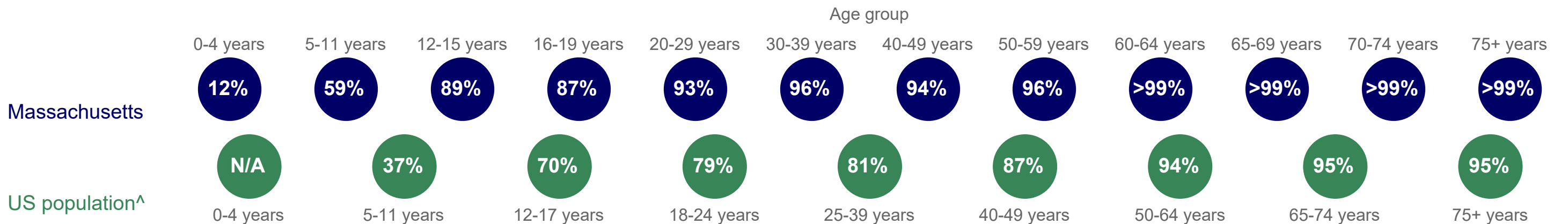
Data as of August 08, 2022

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



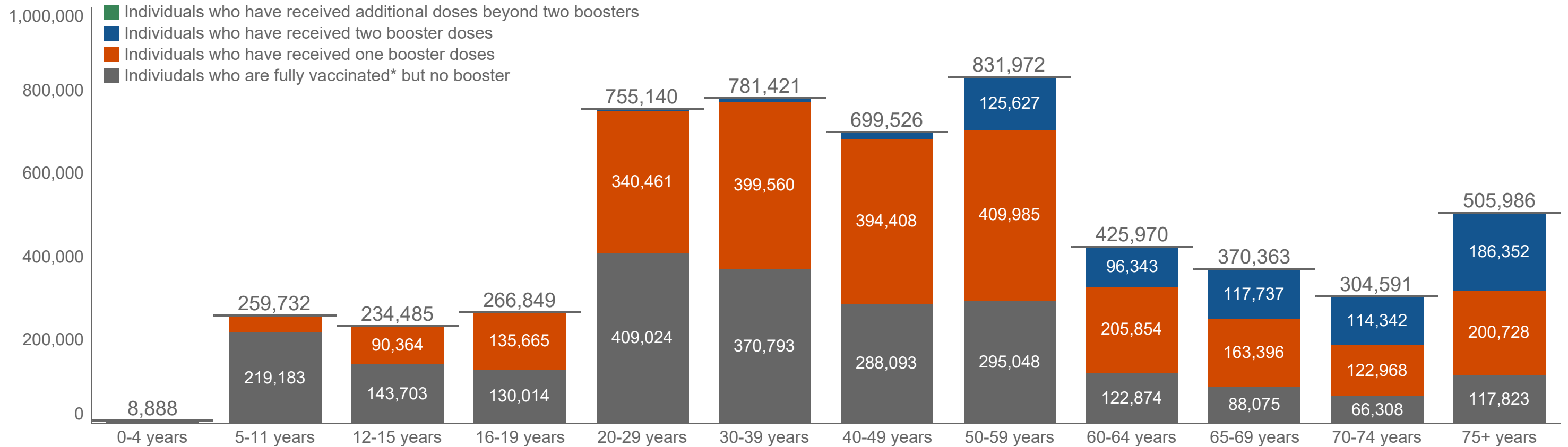
Vaccination status is reported at the age at which the vaccine was administered. Individuals transition into older age groups over time keeping aggregate totals consistent across the sum of all age categories.  
 \*Unvaccinated/unreported vaccination individuals: This is the population estimate for the 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 3 doses of vaccine; all other ages require 2 doses. Moderna recipients require 2 doses of vaccine. Janssen/Johnson & Johnson recipients require 1 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;2022-08-03://[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

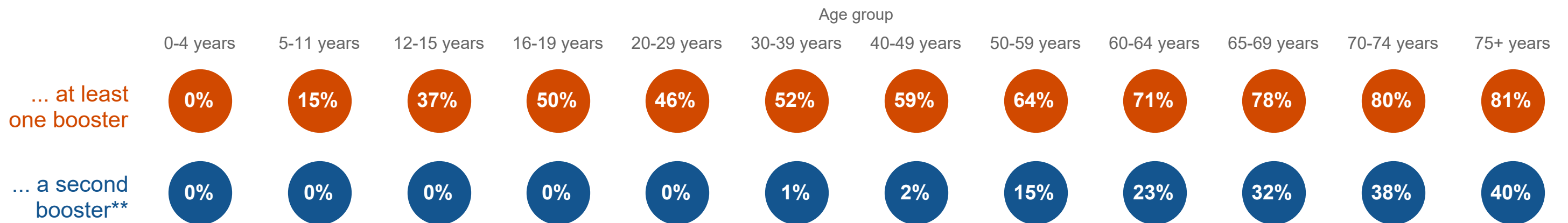
Data as of August 08, 2022

In Massachusetts, 58% 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 08, 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	70% of 1,978 residents	62% 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	65% of 579,200 residents
Dukes	49% 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	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	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).

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 3 doses of vaccine; all other ages require 2 doses. Moderna recipients require 2 doses of vaccine. Janssen/Johnson & Johnson recipients require 1 dose of vaccine.

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# Individuals Fully Vaccinated

Data as of August 08, 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	78% 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	59% 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 08, 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
<b>Barnstable</b>	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
<b>Berkshire</b>	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	86% of 10,525 residents	88% of 9,518 residents	93% of 8,017 residents	88% of 13,390 residents	74% of 129,026 residents
<b>Bristol</b>	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	65% of 579,200 residents
<b>Dukes</b>	*	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
<b>Essex</b>	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
<b>Franklin</b>	1% of 3,011 residents	42% of 4,819 residents	69% of 2,910 residents	86% of 2,764 residents	68% of 7,572 residents	74% 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
<b>Hampden</b>	0% of 24,918 residents	33% of 38,042 residents	62% of 23,128 residents	61% of 26,022 residents	57% 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
<b>Hampshire</b>	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

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

\*\* "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 08, 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	5% 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	85% 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	3% of 37,515 residents	62% of 56,630 residents	84% of 35,180 residents	83% 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	67% 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	2% of 40,171 residents	50% of 47,420 residents	85% of 26,325 residents	57% of 46,527 residents	76% of 176,345 residents	80% of 145,860 residents	86% of 88,768 residents	87% of 87,549 residents	87% of 40,123 residents	90% of 32,272 residents	93% of 24,580 residents	84% of 41,995 residents	75% of 797,936 residents
Worcester	1% 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	2% 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 08, 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 526 residents	58% of 2,218 residents	37% of 5,120 residents	48% of 7,463 residents	68% of 3,853 residents	40% of 96 residents	67% of 150,737 residents	1% of 179,354 Barnstable county residents	62% of 179,354 residents
Berkshire	*	52% of 1,394 residents	42% of 2,582 residents	42% of 4,047 residents	61% of 1,991 residents	*	62% of 81,983 residents	1% of 95,663 Berkshire county residents	59% of 95,663 residents
Bristol	32% of 488 residents	51% of 8,744 residents	41% of 18,014 residents	38% of 32,485 residents	60% of 10,264 residents	34% of 172 residents	56% of 292,984 residents	1% of 379,113 Bristol county residents	52% of 379,113 residents
Dukes	56% of 108 residents	63% of 172 residents	43% of 857 residents	40% of 896 residents	63% of 386 residents	*	67% of 13,412 residents	2% of 17,574 Dukes county residents	60% of 17,574 residents
Essex	36% of 353 residents	60% of 21,648 residents	45% of 21,153 residents	41% of 100,244 residents	65% of 15,562 residents	44% of 192 residents	63% of 422,200 residents	1% of 612,239 Essex county residents	57% of 612,239 residents
Franklin	*	54% of 940 residents	47% of 627 residents	49% of 1,775 residents	70% of 967 residents	*	66% of 46,055 residents	1% of 52,519 Franklin county residents	63% of 52,519 residents
Hampden	36% of 374 residents	53% of 8,369 residents	47% of 21,129 residents	40% of 59,377 residents	59% of 7,072 residents	41% of 188 residents	60% of 193,976 residents	2% of 311,315 Hampden county residents	53% of 311,315 residents
Hampshire	58% of 103 residents	58% of 5,154 residents	54% of 2,263 residents	54% of 5,390 residents	72% of 2,545 residents	*	70% of 93,844 residents	1% of 114,289 Hampshire county residents	67% of 114,289 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 08, 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	38% of 995 residents	63% of 157,119 residents	51% of 59,627 residents	45% of 104,257 residents	72% of 61,708 residents	48% of 505 residents	68% of 871,046 residents	1% of 1,316,109 Middlesex county residents	63% of 1,316,109 residents
Nantucket	*	55% of 209 residents	34% of 969 residents	27% of 1,895 residents	61% of 146 residents	*	61% of 7,461 residents	1% of 11,632 Nantucket county residents	49% of 11,632 residents
Norfolk	39% of 380 residents	66% of 65,343 residents	51% of 36,840 residents	51% of 25,731 residents	71% of 28,606 residents	47% of 236 residents	67% of 399,256 residents	1% of 576,010 Norfolk county residents	64% of 576,010 residents
Plymouth	36% of 300 residents	61% of 5,228 residents	41% of 34,620 residents	45% of 14,833 residents	62% of 14,704 residents	40% of 129 residents	62% of 300,337 residents	1% of 383,696 Plymouth county residents	58% of 383,696 residents
Suffolk	42% of 622 residents	61% of 63,025 residents	52% of 104,776 residents	45% of 127,660 residents	69% of 20,694 residents	49% of 566 residents	65% of 243,512 residents	2% of 599,983 Suffolk county residents	56% of 599,983 residents
Worcester	32% of 557 residents	60% of 32,811 residents	45% of 26,741 residents	41% of 72,746 residents	65% of 18,444 residents	44% of 217 residents	62% of 436,914 residents	1% of 610,637 Worcester county residents	57% of 610,637 residents
Unknown/ Unspecified**	1% of 5,233 AI/AN residents	2% of 385,484 Asian residents	1% of 342,602 Black residents	1% of 570,551 Hispanic residents	1% of 190,189 Multi-race residents	*	1% of 3,671,967 White residents	0% of 5,438,096 MA residents	1% of 5,438,096 residents
Massachusetts	39% of 5,233 residents	62% of 385,484 residents	48% of 342,602 residents	43% of 570,551 residents	68% of 190,189 residents	44% of 2,522 residents	64% of 3,671,967 residents	1% of 5,438,096 MA residents	58% of 5,438,096 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 08, 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
<b>Barnstable</b>	9% of 5,010 residents	30% of 5,834 residents	48% of 6,757 residents	42% of 15,888 residents	44% of 16,845 residents	53% of 17,033 residents	60% of 27,575 residents	71% of 18,624 residents	78% of 18,904 residents	82% of 17,635 residents	84% of 29,163 residents	62% of 179,354 residents
<b>Berkshire</b>	10% of 4,336 residents	35% of 3,921 residents	49% of 4,365 residents	41% of 9,868 residents	48% of 10,732 residents	56% of 10,557 residents	62% of 15,160 residents	71% of 9,102 residents	78% of 8,376 residents	78% of 7,458 residents	81% of 11,723 residents	59% of 95,663 residents
<b>Bristol</b>	9% of 12,841 residents	25% of 16,604 residents	43% of 18,937 residents	38% of 43,878 residents	40% of 48,509 residents	48% of 50,701 residents	56% of 65,210 residents	66% of 33,362 residents	72% of 28,623 residents	75% of 23,584 residents	76% of 36,621 residents	52% of 379,113 residents
<b>Dukes</b>	7% of 709 residents	39% of 762 residents	52% of 711 residents	34% of 1,964 residents	44% of 2,638 residents	55% of 2,275 residents	66% of 2,624 residents	77% of 1,409 residents	81% of 1,420 residents	85% of 1,347 residents	94% of 1,686 residents	60% of 17,574 residents
<b>Essex</b>	11% of 31,170 residents	33% of 30,522 residents	50% of 32,303 residents	43% of 72,108 residents	48% of 81,321 residents	56% of 80,241 residents	63% of 100,122 residents	71% of 51,233 residents	77% of 43,323 residents	78% of 34,727 residents	80% of 54,393 residents	57% of 612,239 residents
<b>Franklin</b>	13% of 2,046 residents	40% of 2,015 residents	49% of 2,367 residents	46% of 5,162 residents	53% of 6,500 residents	61% of 6,116 residents	65% of 8,091 residents	72% of 5,112 residents	79% of 5,271 residents	86% of 4,450 residents	83% of 5,353 residents	63% of 52,519 residents
<b>Hampden</b>	8% of 12,403 residents	26% of 14,436 residents	40% of 15,766 residents	37% of 37,622 residents	41% of 40,492 residents	49% of 39,674 residents	58% of 49,981 residents	67% of 27,059 residents	74% of 23,915 residents	77% of 19,519 residents	77% of 30,345 residents	53% of 311,315 residents
<b>Hampshire</b>	24% of 5,526 residents	50% of 4,799 residents	55% of 5,830 residents	52% of 15,048 residents	60% of 13,465 residents	67% of 13,204 residents	70% of 17,195 residents	76% of 9,975 residents	82% of 9,715 residents	86% of 8,385 residents	86% of 11,067 residents	67% of 114,289 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 08, 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	22% of 80,155 residents	46% of 65,644 residents	59% of 65,085 residents	52% of 183,701 residents	60% of 203,346 residents	67% of 179,899 residents	70% of 195,715 residents	76% of 93,960 residents	81% of 78,274 residents	83% of 63,965 residents	83% of 102,011 residents	63% of 1,316,109 residents
Nantucket	8% of 441 residents	29% of 480 residents	41% of 488 residents	26% of 1,640 residents	36% of 2,044 residents	50% of 1,994 residents	59% of 1,888 residents	70% of 821 residents	80% of 681 residents	82% of 521 residents	85% of 633 residents	49% of 11,632 residents
Norfolk	19% of 35,227 residents	43% of 29,631 residents	60% of 30,392 residents	53% of 70,304 residents	59% of 79,397 residents	66% of 76,198 residents	70% of 92,149 residents	76% of 44,771 residents	82% of 37,388 residents	83% of 30,045 residents	84% of 49,205 residents	64% of 576,010 residents
Plymouth	8% of 17,142 residents	29% of 17,946 residents	50% of 20,679 residents	45% of 41,652 residents	47% of 45,381 residents	55% of 48,970 residents	62% of 66,119 residents	70% of 33,713 residents	77% of 29,509 residents	80% of 25,000 residents	81% of 37,370 residents	58% of 383,696 residents
Suffolk	14% of 23,625 residents	31% of 22,303 residents	41% of 26,423 residents	44% of 134,891 residents	56% of 117,054 residents	59% of 76,346 residents	64% of 75,855 residents	72% of 34,937 residents	77% of 29,202 residents	79% of 22,934 residents	81% of 35,484 residents	56% of 599,983 residents
Worcester	11% of 29,167 residents	33% of 30,183 residents	50% of 32,779 residents	44% of 75,031 residents	47% of 81,986 residents	56% of 81,913 residents	63% of 101,578 residents	71% of 51,229 residents	78% of 42,261 residents	80% of 33,580 residents	81% of 50,414 residents	57% of 610,637 residents
Unknown/ Unspecified**	0% of 264,192 MA residents 5-11 Years	0% of 248,101 MA residents 12-15 Years	1% of 271,433 MA residents 16-19 Years	3% of 758,184 MA residents 20-29 Years	2% of 783,672 MA residents 30-39 Years	1% of 706,914 MA residents 40-49 Years	1% of 842,540 MA residents 50-59 Years	1% of 426,317 MA residents 60-64 Years	1% of 364,354 MA residents 65-69 Years	1% of 298,373 MA residents 70-74 Years	1% of 465,118 MA residents 75+ Years	1% of 5,438,096 residents
Massachusetts	15% of 264,192 residents	37% of 248,101 residents	50% of 271,433 residents	46% of 758,184 residents	52% of 783,672 residents	59% of 706,914 residents	64% of 842,540 residents	71% of 426,317 residents	78% of 364,354 residents	80% of 298,373 residents	81% of 465,118 residents	58% of 5,438,096 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 8/3/2022.

**Doses administered:** All valid doses of Janssen/Johnson & Johnson, Moderna, and Pfizer 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 and Pfizer 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 ages require two doses. Moderna 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.