



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; March 1, 2023.

<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 March 06, 2023

Administered (MIIS)* through Monday, March 6, 2023 (Running totals by day)

	February 28, 2023	March 1, 2023	March 2, 2023	March 3, 2023	March 4, 2023	March 5, 2023	March 6, 2023
At least one dose -- number of people who received at least one dose of Moderna, Pfizer, Novavax, or Johnson & Johnson vaccine	6,542,983	6,543,418	6,543,887	6,544,351	6,544,509	6,544,579	6,544,868
Fully vaccinated -- number of people who received a primary series of Moderna, Pfizer, Novavax or Johnson & Johnson vaccine**	5,633,536	5,633,823	5,634,110	5,634,415	5,634,474	5,634,508	5,634,731
First booster doses -- number of people who received a booster dose of Moderna, Pfizer, or Johnson & Johnson vaccine***	3,514,707	3,515,214	3,515,702	3,516,220	3,516,344	3,516,427	3,516,867
Second booster doses -- number of people who have received at least 2 booster doses****	1,644,295	1,645,043	1,645,729	1,646,479	1,646,803	1,646,987	1,647,538
Total Doses Administered (MIIS)	17,590,043	17,592,424	17,594,689	17,597,112	17,597,925	17,598,400	17,600,125

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

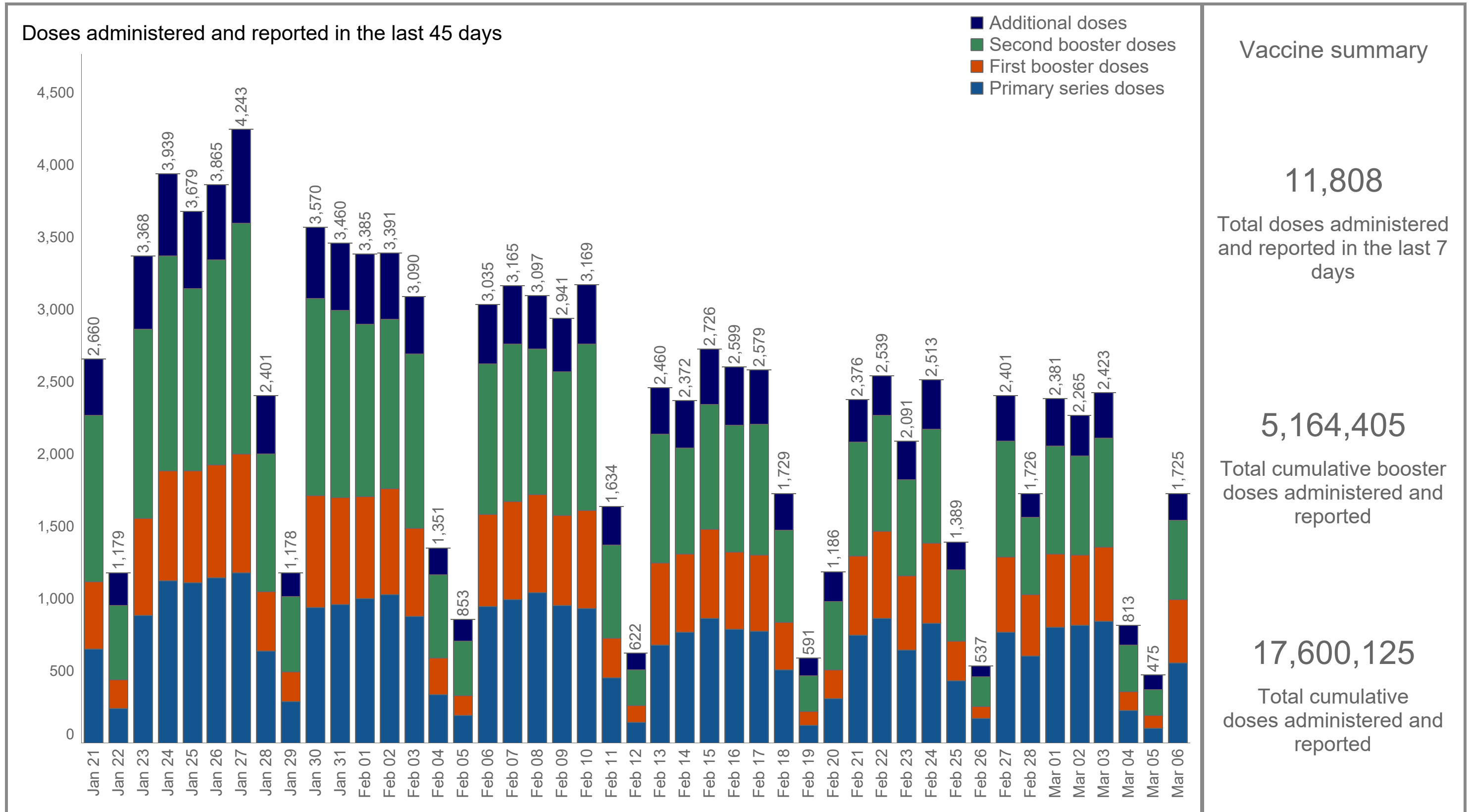
**An individual is counted as fully vaccinated if they have received the number of doses required to complete the primary series for their age and all of these doses have been reported to MIIS. Pfizer recipients under 5 years of age require three doses of vaccine; all other Pfizer recipients require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

***See the definitions page at the end of this document for the full definition. Booster doses are currently recommended for everyone aged 5 years and older. See <https://www.mass.gov/info-details/covid-19-booster-frequently-asked-questions> for details on which formulation of vaccine is recommended at which intervals.

****Second booster doses: Number of individuals who have received an additional dose after their first booster dose.

COVID-19 Vaccine Doses Administered

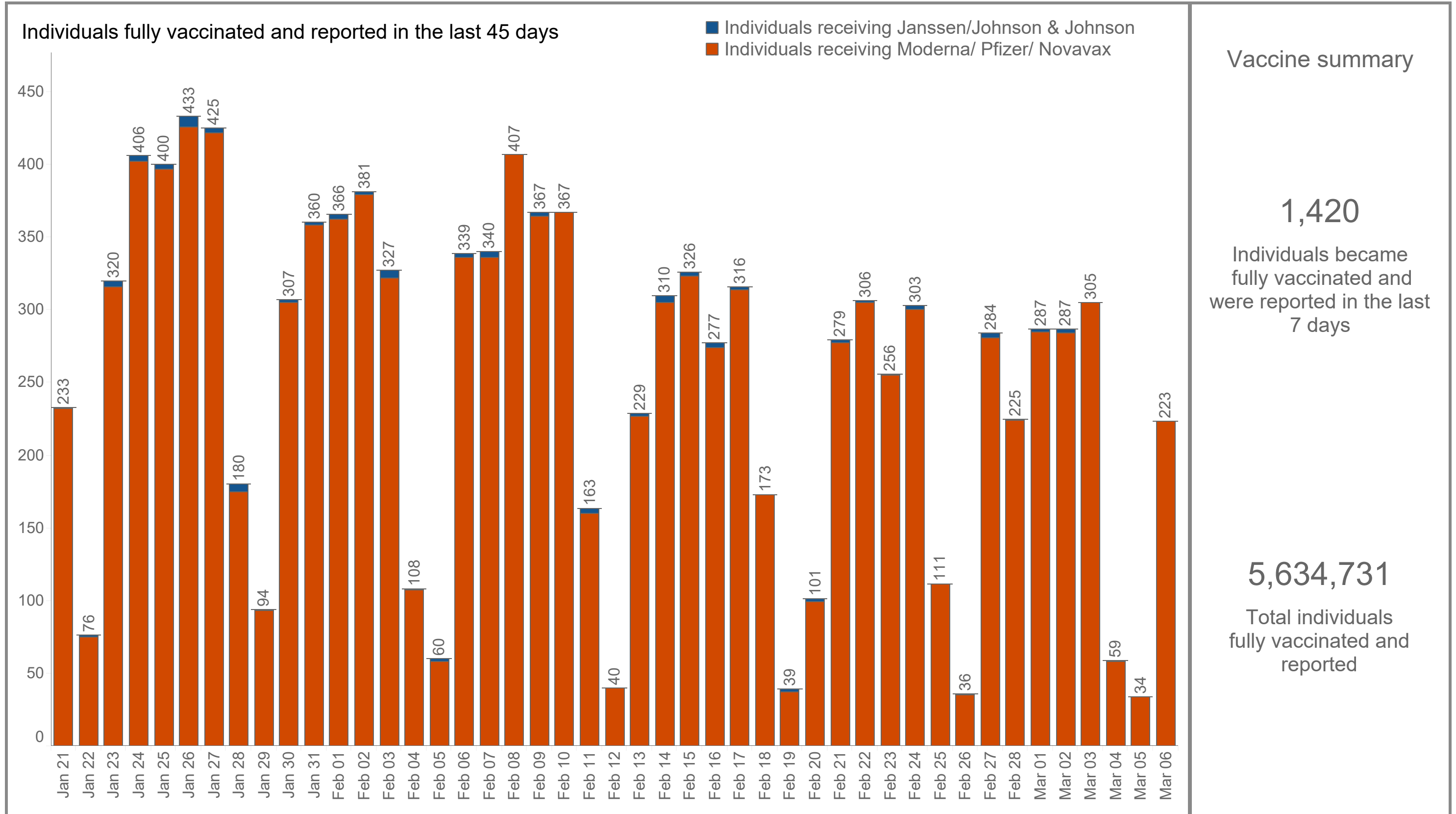
Data as of March 06, 2023



Note: Data from MIIS (see "definitions"). Data reflect doses administered (see "definitions"). Dates reflect the date doses were administered. Doses administered: All valid doses of Janssen/Johnson & Johnson, Moderna, Novavax, and Pfizer COVID-19 vaccine that have been given to people by providers and reported to MIIS are included in this measurement. Primary series doses: the number of doses required to complete the primary series for their age and all of these doses have been reported to MIIS. Pfizer recipients under 5 years of age require three doses of vaccine; all other Pfizer recipients require two doses. Moderna and Novavax recipients require two doses of vaccine. Janssen/Johnson & Johnson recipients require one dose of vaccine. See the definitions page at the end of this document.

Individuals Fully Vaccinated

Data as of March 06, 2023



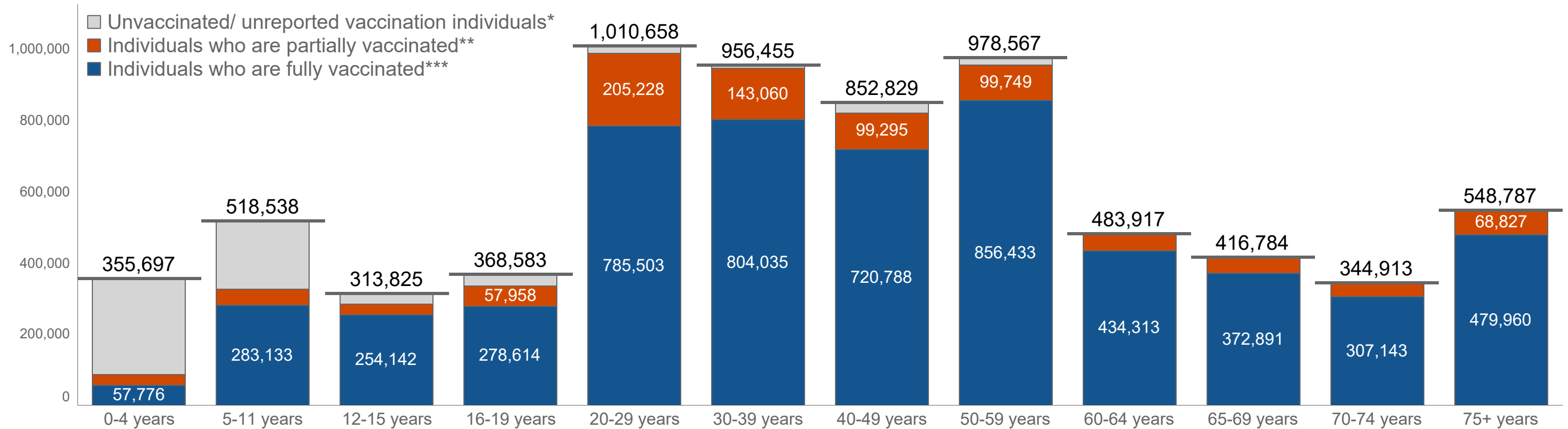
NOTE: Data from MIIS (see "definitions"). Dates reflect the date doses were administered. Individuals fully vaccinated: An individual is counted as fully vaccinated if they have received the number of doses required to complete the primary series for their age and all of these doses have been reported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

Individuals with at Least One Dose

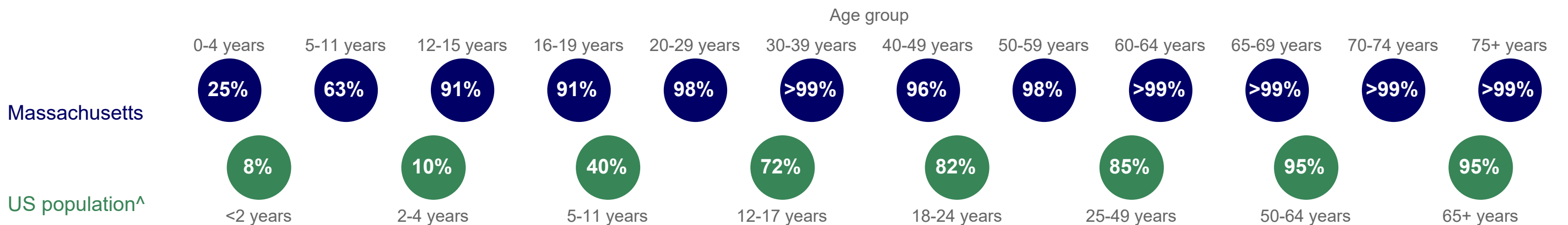
Data as of March 06, 2023

In Massachusetts, 93% of the population has received at least one dose, compared with 81% of the US population.

Vaccination status of individuals by age group (cumulative)



Percent of population with at least one dose



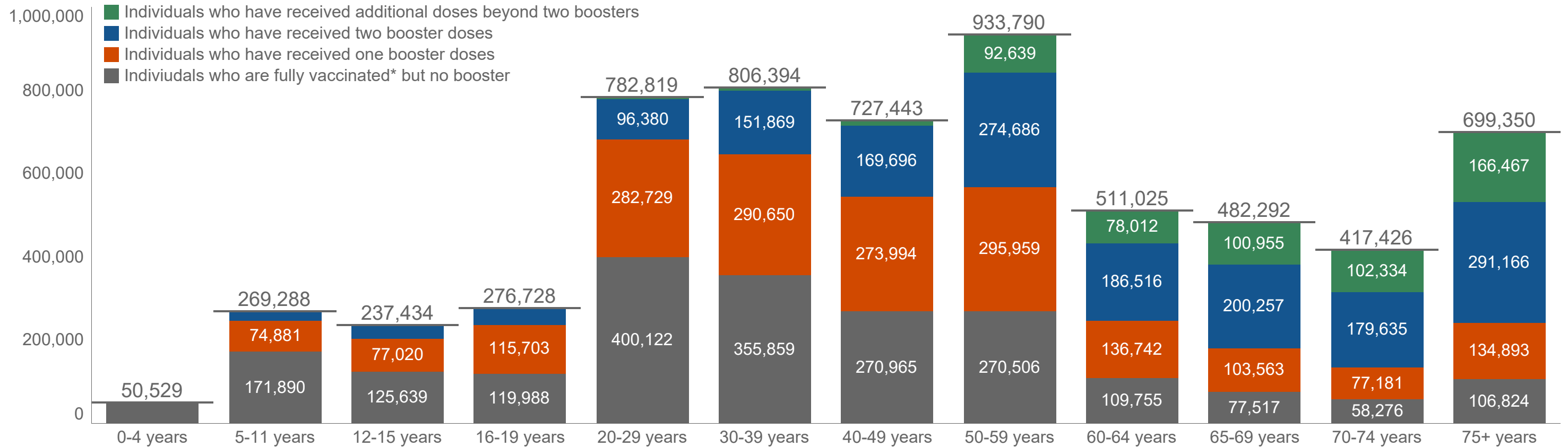
Vaccination status is reported at the age at which the vaccine was administered. Individuals transition into older age groups over time keeping aggregate totals consistent across the sum of all age categories.
 *Unvaccinated/unreported vaccination individuals: This is the population estimate for the subpopulation minus the number of people who received at least one dose of vaccine. It is important to recall that not being represented in MIIS does not necessarily mean someone has not received vaccine. **Individuals who are partially vaccinated are those who have received at least one dose, but have not completed a primary series. ***Individuals fully vaccinated: An individual is counted as fully vaccinated if they have received the number of doses required to complete the primary series for their age and all of these doses have been reported to MIIS. Pfizer recipients under 5 years of age require three doses of vaccine; all other Pfizer recipients require two doses. Moderna and Novavax recipients require two doses of vaccine. Janssen/Johnson & Johnson recipients require one dose of vaccine. ^CDC percent of population coverage metrics are capped at 95%. For more information: <https://www.cdc.gov/coronavirus/2019-ncov/vaccines/reporting-vaccinations.html> Sources: (1) Massachusetts Immunization Information System (MIIS). MIIS data are available for analysis one calendar day after they are reported to the MIIS. Data are current as of time of publication and are subject to change in future publications as additional data are reported. (2) Centers for Disease Control and Prevention. COVID Data Tracker. Atlanta, GA: US Department of Health and Human Services, CDC;2023-03-01://[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

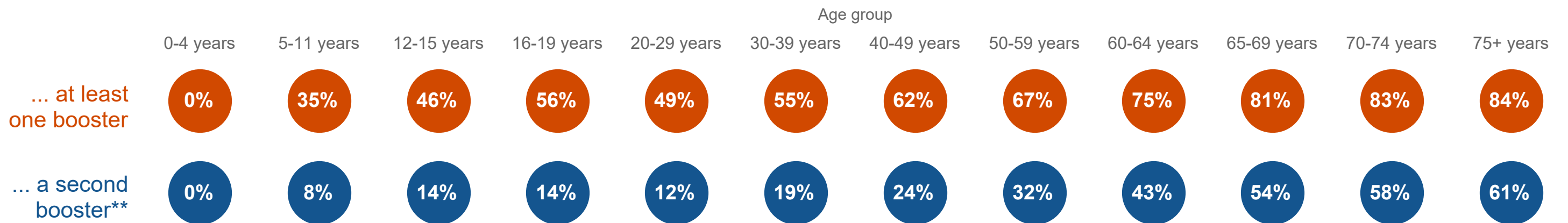
Data as of March 06, 2023

In Massachusetts, 62% of those fully vaccinated have received a booster dose.

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 March 06, 2023

Individuals fully vaccinated by county, race, and Hispanic ethnicity (1 of 2)

Number of people in the county and race/ethnicity group who are fully vaccinated divided by the estimated population in the county and race/ethnicity group

	American Indian or Alaskan Native	Asian	Black or African American	Hispanic	Multi-race	Native Hawaiian or Pacific Islander	White	Unknown/ Other race**	Total
Barnstable	45% of 1,171 residents	70% of 3,230 residents	80% of 6,644 residents	>95% of 7,637 residents	39% of 12,144 residents	>95% of 53 residents	79% of 198,117 residents	3% of 228,996 Barnstable county residents	81% of 228,996 residents
Berkshire	54% of 153 residents	72% of 1,978 residents	64% of 4,132 residents	63% of 6,619 residents	41% of 5,666 residents	*	77% of 110,470 residents	3% of 129,026 Berkshire county residents	76% of 129,026 residents
Bristol	45% of 1,045 residents	65% of 13,752 residents	77% of 24,506 residents	63% of 53,995 residents	38% of 32,048 residents	>95% of 148 residents	66% of 453,707 residents	3% of 579,200 Bristol county residents	67% of 579,200 residents
Dukes	51% of 219 residents	>95% of 181 residents	>95% of 809 residents	>95% of 452 residents	23% of 1,899 residents	*	81% of 17,031 residents	8% of 20,600 Dukes county residents	87% of 20,600 residents
Essex	47% of 808 residents	76% of 29,651 residents	79% of 27,604 residents	60% of 181,759 residents	69% of 26,257 residents	>95% of 155 residents	80% of 543,595 residents	3% of 809,829 Essex county residents	78% of 809,829 residents
Franklin	51% of 122 residents	85% of 1,215 residents	66% of 985 residents	57% of 3,329 residents	36% of 3,207 residents	*	77% of 62,163 residents	3% of 71,029 Franklin county residents	77% of 71,029 residents
Hampden	58% of 646 residents	71% of 12,176 residents	61% of 36,442 residents	52% of 120,694 residents	56% of 15,087 residents	>95% of 165 residents	71% of 280,615 residents	4% of 465,825 Hampden county residents	69% of 465,825 residents
Hampshire	49% of 199 residents	52% of 10,709 residents	53% of 4,398 residents	50% of 11,248 residents	44% of 6,930 residents	>95% of 43 residents	76% of 128,781 residents	3% of 162,308 Hampshire county residents	73% of 162,308 residents

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

** "Unknown/other race" is shown as a % of the row population (county or state). "Unknown/unspecified county" is shown as a % of the column population (age or race/ethnicity group).

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

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Individuals Fully Vaccinated

Data as of March 06, 2023

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	78% of 212,123 residents	73% of 84,324 residents	76% of 141,738 residents	85% of 81,692 residents	>95% of 380 residents	81% of 1,110,235 residents	4% of 1,632,002 Middlesex county residents	84% of 1,632,002 residents
Nantucket	*	76% of 274 residents	>95% of 1,025 residents	89% of 2,175 residents	29% of 615 residents	*	76% of 10,149 residents	7% of 14,255 Nantucket county residents	84% of 14,255 residents
Norfolk	49% of 736 residents	77% of 88,772 residents	76% of 50,563 residents	72% of 37,460 residents	>95% of 29,540 residents	>95% of 151 residents	80% of 518,759 residents	3% of 725,981 Norfolk county residents	82% of 725,981 residents
Plymouth	34% of 893 residents	67% of 7,962 residents	82% of 48,249 residents	68% of 23,417 residents	46% of 35,840 residents	61% of 220 residents	75% of 414,238 residents	2% of 530,819 Plymouth county residents	75% of 530,819 residents
Suffolk	51% of 1,235 residents	81% of 81,295 residents	78% of 142,086 residents	76% of 177,973 residents	64% of 37,543 residents	>95% of 357 residents	71% of 357,446 residents	4% of 797,936 Suffolk county residents	78% of 797,936 residents
Worcester	45% of 1,183 residents	72% of 46,778 residents	62% of 45,164 residents	69% of 110,448 residents	56% of 37,582 residents	>95% of 145 residents	72% of 620,810 residents	2% of 862,111 Worcester county residents	73% of 862,111 residents
Unknown/ Unspecified**	3% of 9,939 AI/AN residents	3% of 510,096 Asian residents	2% of 476,930 Black residents	1% of 878,944 Hispanic residents	1% of 326,050 Multi-race residents	7% of 1,841 NH/PI residents	3% of 4,826,116 White residents	0% of 7,029,917 MA residents	3% of 7,029,917 residents
Massachusetts	52% of 9,939 residents	79% of 510,096 residents	76% of 476,930 residents	68% of 878,944 residents	67% of 326,050 residents	>95% of 1,841 residents	79% of 4,826,116 residents	3% of 7,029,917 MA residents	80% of 7,029,917 residents

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Individuals Fully Vaccinated

Data as of March 06, 2023

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	9% of 8,117 residents	44% of 12,225 residents	74% of 7,999 residents	82% of 8,444 residents	73% of 22,109 residents	85% of 20,313 residents	81% of 21,363 residents	83% of 34,083 residents	90% of 21,351 residents	90% of 21,806 residents	93% of 19,831 residents	>95% of 31,352 residents	81% of 228,996 residents
Berkshire	11% of 5,429 residents	56% of 8,296 residents	74% of 5,380 residents	69% of 6,484 residents	65% of 15,369 residents	80% of 13,757 residents	79% of 13,736 residents	81% of 19,125 residents	88% of 10,525 residents	90% of 9,518 residents	>95% of 8,017 residents	90% of 13,390 residents	76% of 129,026 residents
Bristol	7% of 30,091 residents	31% of 45,540 residents	62% of 27,527 residents	67% of 29,121 residents	60% of 74,766 residents	67% of 73,958 residents	71% of 73,224 residents	78% of 85,414 residents	87% of 39,125 residents	92% of 31,728 residents	94% of 25,741 residents	87% of 42,964 residents	67% of 579,200 residents
Dukes	10% of 882 residents	59% 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	85% of 3,147 residents	84% of 1,702 residents	81% of 1,801 residents	88% of 1,574 residents	91% of 1,929 residents	87% of 20,600 residents
Essex	12% of 44,345 residents	52% of 64,079 residents	80% of 38,871 residents	79% of 41,764 residents	72% of 102,396 residents	82% of 101,407 residents	82% of 99,259 residents	86% of 118,474 residents	93% of 56,226 residents	>95% of 46,143 residents	>95% of 36,776 residents	93% of 60,087 residents	78% of 809,829 residents
Franklin	13% of 3,011 residents	47% of 4,819 residents	73% of 2,910 residents	89% of 2,764 residents	70% of 7,572 residents	76% of 8,732 residents	75% of 8,315 residents	80% of 10,333 residents	85% of 6,159 residents	92% of 5,875 residents	>95% of 4,581 residents	91% of 5,954 residents	77% of 71,029 residents
Hampden	4% of 24,918 residents	36% of 38,042 residents	64% of 23,128 residents	63% of 26,022 residents	59% of 65,472 residents	70% of 59,405 residents	76% of 53,671 residents	81% of 62,992 residents	88% of 31,187 residents	94% of 25,936 residents	>95% of 20,519 residents	90% of 34,534 residents	69% of 465,825 residents
Hampshire	23% of 5,278 residents	66% of 8,930 residents	82% of 5,934 residents	38% of 16,019 residents	47% of 33,434 residents	84% of 16,604 residents	85% of 16,047 residents	87% of 20,206 residents	>95% of 10,664 residents	>95% of 9,895 residents	>95% of 7,914 residents	>95% of 11,383 residents	73% of 162,308 residents

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Individuals Fully Vaccinated

Data as of March 06, 2023

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	26% of 83,667 residents	70% of 121,734 residents	92% of 73,083 residents	80% of 82,715 residents	79% of 242,436 residents	86% of 242,118 residents	89% of 206,995 residents	89% of 222,367 residents	95% of 100,804 residents	>95% of 81,083 residents	>95% of 64,640 residents	95% of 110,359 residents	84% of 1,632,002 residents
Nantucket	4% of 857 residents	47% of 1,012 residents	87% of 562 residents	>95% of 507 residents	>95% of 1,722 residents	94% of 2,214 residents	92% of 2,184 residents	92% of 2,082 residents	88% of 945 residents	93% of 764 residents	>95% of 562 residents	82% of 847 residents	84% of 14,255 residents
Norfolk	25% of 37,515 residents	66% of 56,630 residents	86% of 35,180 residents	85% of 36,428 residents	80% of 90,767 residents	85% of 95,497 residents	83% of 93,243 residents	88% of 105,961 residents	94% of 48,444 residents	>95% of 39,164 residents	>95% of 31,323 residents	90% of 55,829 residents	82% of 725,981 residents
Plymouth	10% of 27,514 residents	44% of 42,518 residents	71% of 26,597 residents	79% of 27,177 residents	70% of 61,517 residents	77% of 61,280 residents	77% of 65,393 residents	83% of 81,528 residents	90% of 38,334 residents	95% of 31,886 residents	>95% of 26,374 residents	>95% of 40,701 residents	75% of 530,819 residents
Suffolk	17% of 40,171 residents	55% of 47,420 residents	87% of 26,325 residents	59% of 46,527 residents	79% of 176,345 residents	82% of 145,860 residents	87% of 88,768 residents	88% of 87,549 residents	89% of 40,123 residents	92% of 32,272 residents	>95% of 24,580 residents	87% of 41,995 residents	78% of 797,936 residents
Worcester	10% of 45,082 residents	46% of 68,600 residents	73% of 42,016 residents	72% of 46,659 residents	67% of 114,476 residents	75% of 111,763 residents	77% of 108,360 residents	81% of 126,900 residents	88% of 58,820 residents	94% of 46,033 residents	>95% of 35,450 residents	89% of 57,952 residents	73% 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	3% 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	16% of 356,875 residents	54% of 521,112 residents	80% of 316,296 residents	75% of 371,285 residents	78% of 1,010,451 residents	84% of 955,267 residents	85% of 852,990 residents	87% of 980,162 residents	94% of 464,409 residents	>95% of 383,903 residents	>95% of 307,883 residents	94% of 509,277 residents	80% of 7,029,917 residents

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Individuals who have Received Booster Doses

Data as of March 06, 2023

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	57% of 529 residents	61% of 2,271 residents	40% of 5,328 residents	50% of 8,234 residents	73% of 4,697 residents	41% of 94 residents	70% of 157,374 residents	1% of 185,548 Barnstable county residents	66% of 185,548 residents
Berkshire	43% of 83 residents	55% of 1,432 residents	48% of 2,661 residents	49% of 4,151 residents	67% of 2,334 residents	*	67% of 84,683 residents	1% of 98,681 Berkshire county residents	64% of 98,681 residents
Bristol	34% of 474 residents	55% of 8,915 residents	46% of 18,962 residents	44% of 34,129 residents	66% of 12,178 residents	35% of 178 residents	60% of 300,277 residents	1% of 390,009 Bristol county residents	56% of 390,009 residents
Dukes	61% of 112 residents	66% of 174 residents	46% of 875 residents	45% of 963 residents	70% of 431 residents	*	70% of 13,726 residents	2% of 17,965 Dukes county residents	63% of 17,965 residents
Essex	36% of 377 residents	64% of 22,447 residents	50% of 21,823 residents	45% of 108,337 residents	72% of 18,131 residents	47% of 208 residents	67% of 434,630 residents	1% of 630,294 Essex county residents	61% of 630,294 residents
Franklin	48% of 63 residents	59% of 1,028 residents	52% of 653 residents	53% of 1,908 residents	75% of 1,144 residents	*	70% of 47,695 residents	1% of 54,374 Franklin county residents	68% of 54,374 residents
Hampden	39% of 373 residents	56% of 8,680 residents	51% of 22,146 residents	45% of 62,186 residents	67% of 8,497 residents	46% of 185 residents	63% of 200,133 residents	2% of 320,703 Hampden county residents	57% of 320,703 residents
Hampshire	59% of 98 residents	62% of 5,530 residents	58% of 2,324 residents	58% of 5,595 residents	79% of 3,048 residents	*	74% of 97,277 residents	1% of 118,791 Hampshire county residents	71% of 118,791 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 March 06, 2023

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	42% of 992 residents	67% of 164,896 residents	56% of 61,950 residents	49% of 108,047 residents	77% of 69,743 residents	49% of 495 residents	72% of 904,240 residents	1% of 1,368,784 Middlesex county residents	67% of 1,368,784 residents
Nantucket	*	62% of 207 residents	36% of 991 residents	29% of 1,945 residents	69% of 179 residents	*	64% of 7,684 residents	1% of 11,942 Nantucket county residents	52% of 11,942 residents
Norfolk	40% of 362 residents	69% of 68,279 residents	56% of 38,454 residents	55% of 26,860 residents	77% of 32,241 residents	52% of 229 residents	71% of 413,058 residents	1% of 597,796 Norfolk county residents	68% of 597,796 residents
Plymouth	37% of 301 residents	64% of 5,372 residents	46% of 39,346 residents	48% of 15,975 residents	67% of 16,658 residents	47% of 135 residents	65% of 309,206 residents	1% of 399,947 Plymouth county residents	61% of 399,947 residents
Suffolk	43% of 628 residents	64% of 66,228 residents	57% of 110,250 residents	51% of 134,865 residents	74% of 24,101 residents	49% of 600 residents	68% of 254,763 residents	1% of 622,799 Suffolk county residents	60% of 622,799 residents
Worcester	36% of 538 residents	64% of 33,884 residents	50% of 27,841 residents	46% of 75,795 residents	72% of 21,200 residents	46% of 213 residents	65% of 448,176 residents	1% of 628,516 Worcester county residents	61% of 628,516 residents
Unknown/ Unspecified**	2% of 5,214 AI/AN residents	2% of 403,416 Asian residents	1% of 361,046 Black residents	1% of 601,075 Hispanic residents	1% of 218,355 Multi-race residents	1% of 2,565 NH/PI residents	1% of 3,801,440 White residents	0% of 5,634,731 MA residents	1% of 5,634,731 residents
Massachusetts	41% of 5,214 residents	65% of 403,416 residents	53% of 361,046 residents	48% of 601,075 residents	74% of 218,355 residents	47% of 2,565 residents	67% of 3,801,440 residents	1% of 5,634,731 MA residents	62% of 5,634,731 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 March 06, 2023

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	29% of 5,320 residents	39% of 5,909 residents	53% of 6,904 residents	44% of 16,180 residents	47% of 17,187 residents	56% of 17,373 residents	64% of 28,241 residents	75% of 19,197 residents	81% of 19,653 residents	85% of 18,403 residents	87% of 30,453 residents	66% of 185,548 residents
Berkshire	28% of 4,607 residents	43% of 3,993 residents	55% of 4,486 residents	45% of 10,047 residents	51% of 10,998 residents	60% of 10,814 residents	66% of 15,448 residents	76% of 9,300 residents	82% of 8,579 residents	83% of 7,697 residents	85% of 12,106 residents	64% of 98,681 residents
Bristol	24% of 14,185 residents	32% of 17,055 residents	48% of 19,455 residents	42% of 45,081 residents	44% of 49,628 residents	51% of 51,709 residents	60% of 66,281 residents	70% of 33,869 residents	77% of 29,210 residents	79% of 24,107 residents	80% of 37,458 residents	56% of 390,009 residents
Dukes	31% of 751 residents	49% of 772 residents	58% of 721 residents	37% of 1,978 residents	46% of 2,659 residents	57% of 2,290 residents	68% of 2,673 residents	80% of 1,432 residents	82% of 1,461 residents	85% of 1,390 residents	94% of 1,752 residents	63% of 17,965 residents
Essex	30% of 33,371 residents	43% of 31,142 residents	56% of 33,003 residents	47% of 73,825 residents	52% of 82,974 residents	59% of 81,544 residents	66% of 101,464 residents	75% of 52,020 residents	81% of 44,088 residents	82% of 35,552 residents	84% of 55,902 residents	61% of 630,294 residents
Franklin	35% of 2,282 residents	50% of 2,138 residents	54% of 2,469 residents	49% of 5,335 residents	57% of 6,660 residents	65% of 6,240 residents	70% of 8,244 residents	77% of 5,223 residents	83% of 5,387 residents	90% of 4,568 residents	87% of 5,447 residents	68% of 54,374 residents
Hampden	22% of 13,665 residents	34% of 14,844 residents	45% of 16,271 residents	40% of 38,700 residents	44% of 41,522 residents	53% of 40,577 residents	62% of 50,949 residents	71% of 27,582 residents	78% of 24,417 residents	81% of 19,976 residents	81% of 31,128 residents	57% of 320,703 residents
Hampshire	49% of 5,863 residents	63% of 4,873 residents	60% of 6,064 residents	55% of 15,711 residents	62% of 13,930 residents	70% of 13,587 residents	73% of 17,518 residents	80% of 10,185 residents	85% of 9,905 residents	89% of 8,585 residents	90% of 11,361 residents	71% of 118,791 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 March 06, 2023

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	44% of 84,999 residents	56% of 67,007 residents	65% of 66,292 residents	54% of 191,512 residents	63% of 209,174 residents	70% of 183,684 residents	74% of 198,678 residents	80% of 95,463 residents	85% of 79,718 residents	86% of 65,451 residents	87% of 104,737 residents	67% of 1,368,784 residents
Nantucket	20% of 474 residents	36% of 491 residents	46% of 494 residents	28% of 1,654 residents	38% of 2,077 residents	52% of 2,011 residents	61% of 1,924 residents	73% of 827 residents	80% of 714 residents	84% of 545 residents	83% of 696 residents	52% of 11,942 residents
Norfolk	41% of 37,492 residents	54% of 30,372 residents	66% of 30,993 residents	56% of 72,493 residents	63% of 81,462 residents	70% of 77,717 residents	73% of 93,526 residents	80% of 45,414 residents	85% of 37,999 residents	86% of 30,695 residents	87% of 50,411 residents	68% of 597,796 residents
Plymouth	25% of 18,664 residents	38% of 19,005 residents	54% of 21,469 residents	48% of 43,137 residents	50% of 47,220 residents	58% of 50,513 residents	65% of 67,783 residents	74% of 34,569 residents	81% of 30,288 residents	83% of 25,806 residents	85% of 38,712 residents	61% of 399,947 residents
Suffolk	36% of 26,004 residents	43% of 22,771 residents	48% of 27,292 residents	48% of 140,175 residents	59% of 120,042 residents	63% of 77,619 residents	68% of 77,117 residents	76% of 35,527 residents	81% of 29,706 residents	83% of 23,444 residents	85% of 36,350 residents	60% of 622,799 residents
Worcester	28% of 31,242 residents	42% of 30,745 residents	56% of 33,508 residents	47% of 77,013 residents	51% of 83,962 residents	59% of 83,439 residents	66% of 103,004 residents	75% of 52,018 residents	82% of 43,055 residents	83% of 34,312 residents	85% of 51,630 residents	61% of 628,516 residents
Unknown/ Unspecified**	0% of 283,133 MA residents 5-11 Years	0% of 254,142 MA residents 12-15 Years	1% of 278,614 MA residents 16-19 Years	3% of 785,503 MA residents 20-29 Years	2% of 804,035 MA residents 30-39 Years	1% of 720,788 MA residents 40-49 Years	1% of 856,433 MA residents 50-59 Years	1% of 434,313 MA residents 60-64 Years	1% of 372,891 MA residents 65-69 Years	1% of 307,143 MA residents 70-74 Years	1% of 479,960 MA residents 75+ Years	1% of 5,634,731 residents
Massachusetts	35% of 283,133 residents	46% of 254,142 residents	56% of 278,614 residents	49% of 785,503 residents	55% of 804,035 residents	62% of 720,788 residents	67% of 856,433 residents	75% of 434,313 residents	81% of 372,891 residents	83% of 307,143 residents	84% of 479,960 residents	62% of 5,634,731 residents

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

** "Unknown/unspecified county" is shown as a % of the column population (age or race/ethnicity group).

Booster doses administered: See the definitions page at the end of this document.

Source: Massachusetts Immunization Information System (MIIS). MIIS data are available for analysis one calendar day after they are reported to the MIIS. Data are current as of time of publication and are subject to change in future publications as additional data are reported. Data reflect doses administered (see "definitions"). Booster doses administered: Data on booster doses administered reflect the additional dose of vaccine after completion of the primary series.

Population estimates source: MDPH calculates rates per 100,000 population using denominators estimated by the University of Massachusetts Donahue Institute using a modified Hamilton-Perry model (Strate S, et al. Small Area Population Estimates for 2011 through 2020, report, Oct 2016.) Note about totals: The difference in the Massachusetts state population total created by summing the age categories and by summing the race categories is expected due to the manner in which the estimates were created with small, compounded rounding and records with unknown demographic information.

Critical definitions

Please note: the following terms and definition apply to COVID-19 only. Updated 9/20/2022.

Doses administered: All valid doses of Janssen/Johnson & Johnson, Moderna, Pfizer, and Novavax COVID-19 vaccine that have been given to people by providers and reported to MIIS are included in this measurement. Duplicate patient records may be created when patient information is not entered consistently. Data include doses administered by MA providers as well as through the Federal Pharmacy Partnership for Long-term Care Program and the retail pharmacies in the jurisdictional transfer program and Community Health Centers (CHCs) receiving vaccine from the U.S. Health Resources and Services Administration (HRSA). Some doses are administered as part of a separate federal distribution system and would not be included here.

Individuals with a least one dose: An individual is counted as at least one dose if they have received one or more doses of vaccine. This is measured as the total number of first doses of Moderna, Pfizer, and Novavax vaccine administered and reported, plus the total number of Janssen/Johnson & Johnson doses administered and reported.

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

Booster doses administered: On 8/13/21, a third dose was recommended for severely immunocompromised individuals to complete their primary series. These doses are counted as 'booster' doses. On 9/24/21, booster doses of Pfizer vaccine were recommended for individuals aged 65 and older, for those at risk for severe disease, or for those at high risk for occupational exposure six months after completing their primary series. On 10/22/21, booster doses of Moderna vaccine were recommended for the same population. Additionally, booster doses of any vaccine, including Johnson & Johnson, were recommended for everyone 18 years and older at least two months after receiving initial Johnson & Johnson vaccine. On 12/9/21, mix and match and Johnson & Johnson boosters were added to the booster counts, which redistributed shots that had previously been counted in other rows. This also adjusted for people who have completed a primary series and had previously been double counted. On 1/4/22, the Pfizer vaccine booster dose recommendation was revised to be five months after completing primary series. On 1/7/22, the Moderna vaccine booster dose recommendation was revised to be five months after completing primary series. On 3/29/22, second monovalent booster doses were recommended for adults aged 50 years and older.

On 9/1/22, bivalent boosters were recommended for everyone aged 12 years and older whose primary series or most recent booster dose were administered at least two months ago. This recommendation replaced all previous booster recommendations for this age group.

See, <https://www.mass.gov/info-details/covid-19-booster-frequently-asked-questions> for details on which formulation of vaccine is recommended at which intervals.

Additional doses beyond second booster: Some individuals with certain health conditions are eligible to receive additional doses of vaccine. These doses are counted in this category. For more information, see: <https://www.mass.gov/info-details/covid-19-vaccinations-for-individuals-with-certain-medical-conditions>

Individuals who are unvaccinated/unreported vaccination: This is the population estimate for the subpopulation minus the number of people who received at least one dose of vaccine. It is important to recall that not being represented in MIIS does not necessarily mean someone has not received vaccine.

MIIS: Immunization data from most (but not all) providers in Massachusetts are reported into the Massachusetts Immunization Information System (MIIS) through direct messages from electronic health records or direct entry by users. Due to inputting and processing, it may take 24-48 hours or more for shipping or administration data to appear in MIIS. MIIS data are available for analysis one calendar day after they are reported to the MIIS. Data are current as of time of publication and may be subject to change in future publications as additional data are reported. As of 11/4/21, MIIS numbers include vaccinations reported from the Veterans Administration for MA residents. MIIS does not include data on health states or occupations of individuals.