

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 17, 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 22, 2022

	Administered (M	IIS)* through Mond	ay, August 22, 2022	? (Running totals by	day)		
	August 16, 2022	August 17, 2022	August 18, 2022	August 19, 2022	August 20, 2022	August 21, 2022	August 22, 2022
At least one dose number of people who received at least one dose of Moderna, Pfizer, or Johnson & Johnson vaccine	6,317,025	6,318,450	6,319,921	6,321,301	6,321,980	6,322,390	6,323,226
Fully vaccinated number of people who received a primary series of Moderna, Pfizer, or Johnson & Johnson vaccine**	5,445,470	5,446,306	5,447,326	5,448,301	5,448,809	5,448,976	5,449,491
First booster doses number of people who received a booster dose of Moderna, Pfizer, or Johnson & Johnson vaccine***	3,191,193	3,192,506	3,193,886	3,195,194	3,195,751	3,196,161	3,197,037
Second booster doses number of people who have received at least 2 booster doses****	687,401	688,666	689,953	691,224	691,826	692,182	692,877
Total Doses Administered (MIIS)	15,317,016	15,322,274	15,327,840	15,333,104	15,335,601	15,336,990	15,340,089

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

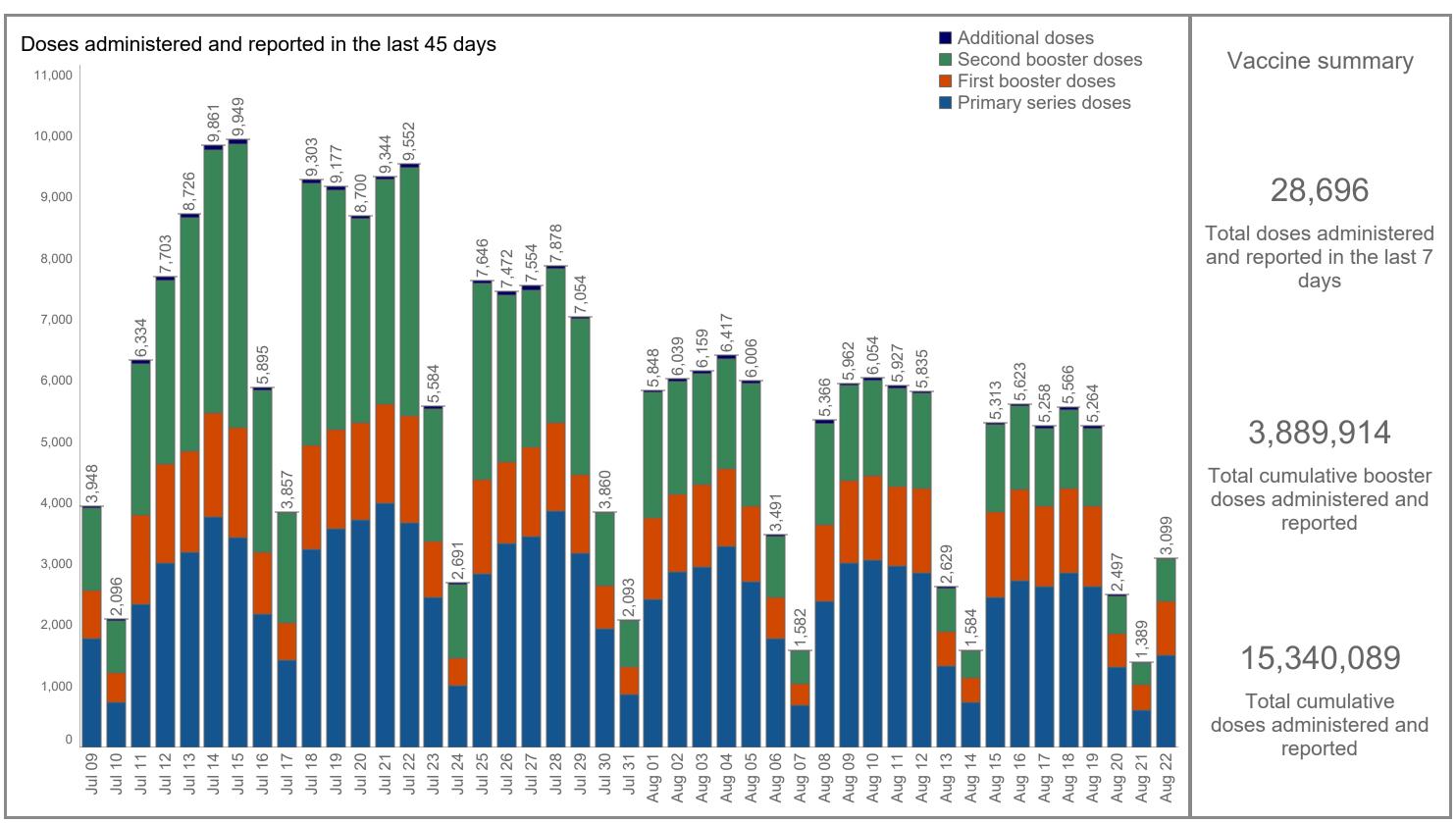
^{**}An individual is counted as fully vaccinated if they have received the number of doses required to complete the COVID-19 vaccine series for their age and all of these doses have been reported to MIIS. Pfizer recipients under 5 years of age require three doses of vaccine; all other Pfizer recipients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

^{***}See the defintions 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.

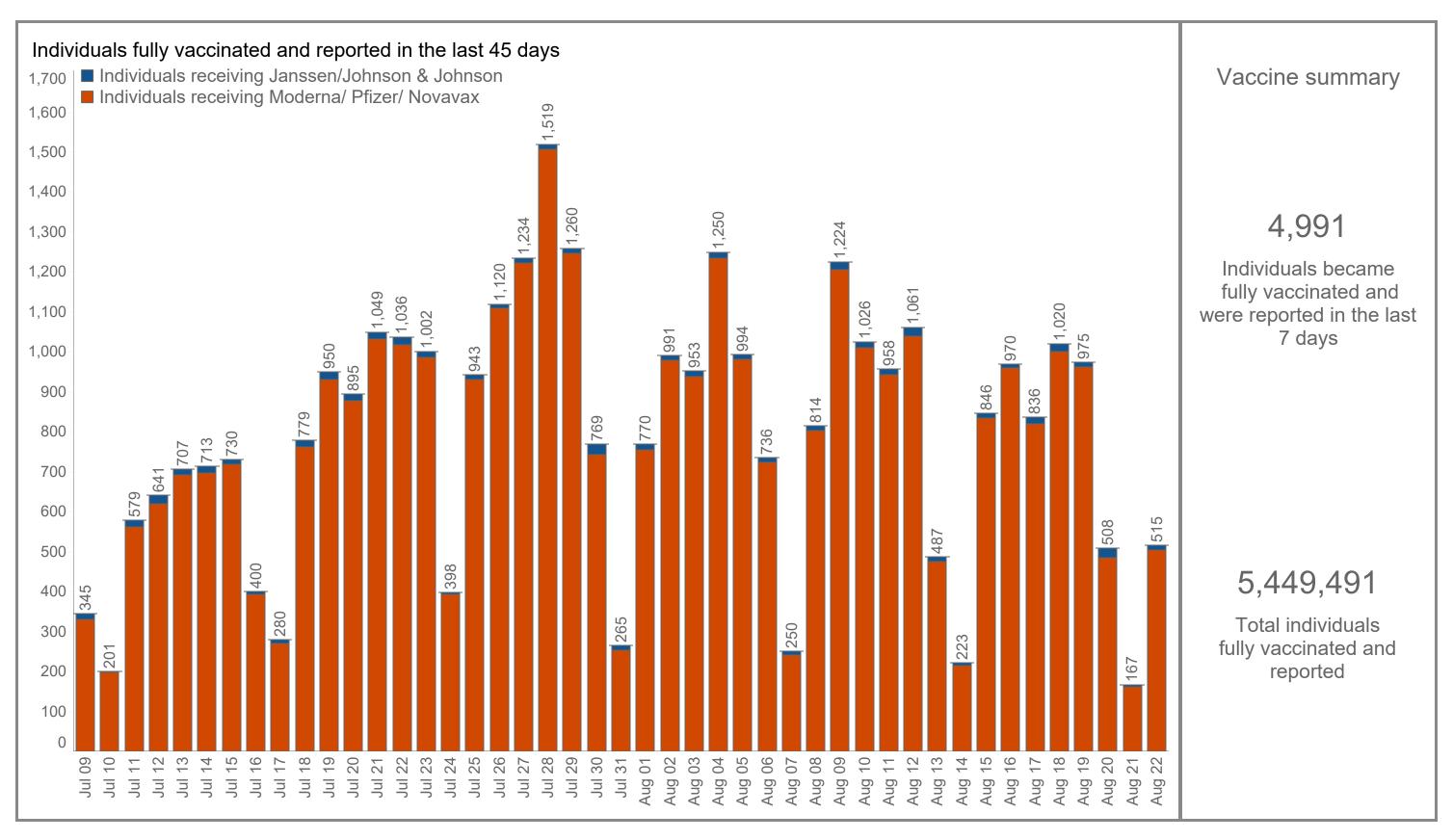
COVID-19 Vaccine Doses Administered

Data as of August 22, 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. See the definitions page at the end of this document.

Data as of August 22, 2022



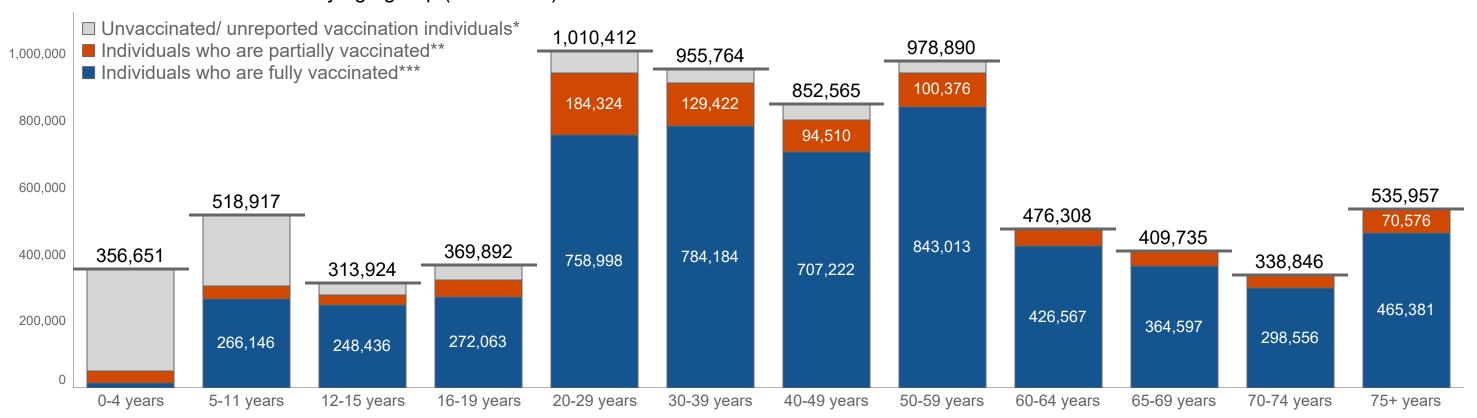
NOTE: Data from MIIS (see "definitions"). Dates reflect the date doses were administered. Individuals fully vaccinated: An individual is counted as fully vaccinated if they have received the number of doses required to complete the COVID-19 vaccine series for their age and all of these doses have been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

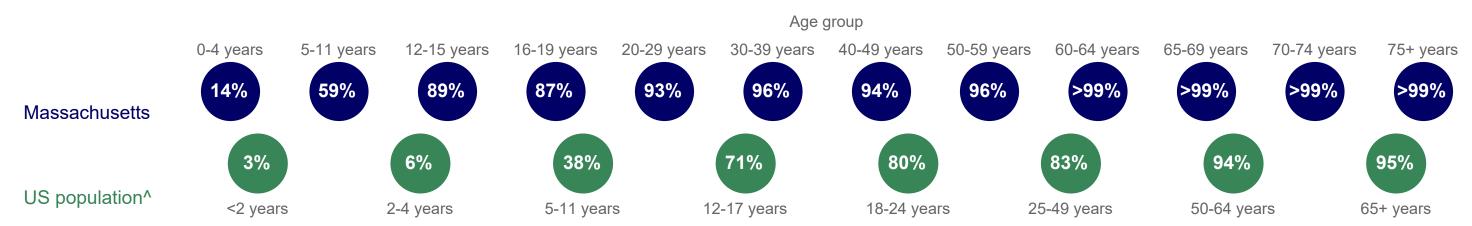
Data as of August 22, 2022

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



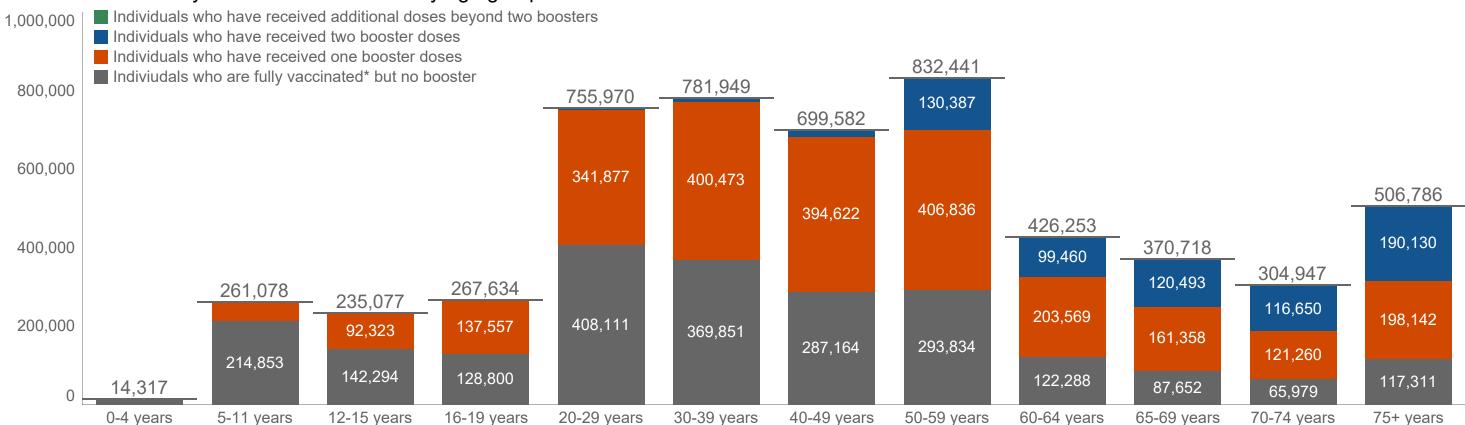
Vaccination status is reported at the age at which the vaccine was administered. Individuals transition into older age groups over time keeping aggregate totals consistent across the sum of all age categories.

*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. Application 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;2022-08-17://covid.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, r

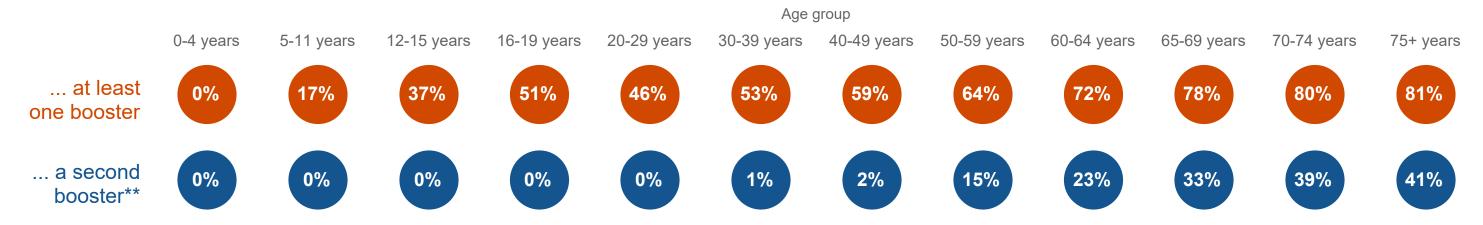
Data as of August 22, 2022

In Massachusetts, 59% of those fully vaccinated have received a booster dose, compared with 48% of the national population that is fully vaccinated.

Booster status of fully vaccinated individuals by age group



Percent of the Massachusetts fully vaccinated* population with...



Vaccination status is reported at the age at which the vaccine was administered. Individuals transition into older age groups over time keeping aggregate totals consistent across the sum of all age categories.

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Data as of August 22, 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	60% of 53,995 residents	32% of 32,048 residents	>95% of 148 residents	65% of 453,707 residents	3% of 579,200 Bristol county residents	66% of 579,200 residents
Dukes	50% of 219 residents	>95% of 181 residents	>95% of 809 residents	>95% of 452 residents	20% of 1,899 residents	*	79% of 17,031 residents	8% of 20,600 Dukes county residents	85% of 20,600 residents
Essex	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	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	71% of 162,308 residents

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

^{** &}quot;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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Data as of August 22, 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	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	80% 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	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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Data as of August 22, 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%	41%	73%	80%	72%	83%	80%	81%	87%	87%	89%	93%	78%
	of 8,117	of 12,225	of 7,999	of 8,444	of 22,109	of 20,313	of 21,363	of 34,083	of 21,351	of 21,806	of 19,831	of 31,352	of 228,996
	residents	residents	residents	residents	residents	residents	residents	residents	residents	residents	residents	residents	residents
Berkshire	1%	53%	73%	67%	64%	78%	77%	79%	87%	88%	93%	88%	74%
	of 5,429	of 8,296	of 5,380	of 6,484	of 15,369	of 13,757	of 13,736	of 19,125	of 10,525	of 9,518	of 8,017	of 13,390	of 129,026
	residents	residents	residents	residents	residents	residents	residents	residents	residents	residents	residents	residents	residents
Bristol	1%	28%	60%	65%	59%	66%	69%	76%	85%	90%	92%	85%	66%
	of 30,091	of 45,540	of 27,527	of 29,121	of 74,766	of 73,958	of 73,224	of 85,414	of 39,125	of 31,728	of 25,741	of 42,964	of 579,200
	residents	residents	residents	residents	residents	residents	residents	residents	residents	residents	residents	residents	residents
Dukes	5%	56%	>95%	>95%	95%	>95%	94%	84%	83%	79%	86%	88%	85%
	of 882	of 1,267	of 785	of 653	of 2,070	of 2,359	of 2,432	of 3,147	of 1,702	of 1,801	of 1,574	of 1,929	of 20,600
	residents	residents	residents	residents	residents	residents	residents	residents	residents	residents	residents	residents	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	94% of 36,776 residents	91% of 60,087 residents	76% of 809,829 residents
Franklin	2% of 3,011 residents	43% of 4,819 residents	69% of 2,910 residents	86% of 2,764 residents	68% of 7,572 residents	75% of 8,732 residents	74% of 8,315 residents	78% of 10,333 residents	83% of 6,159 residents	90% of 5,875 residents	>95% of 4,581 residents	90% of 5,954 residents	74% of 71,029 residents
Hampden	1% of 24,918 residents	33% of 38,042 residents	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%	62%	81%	36%	45%	81%	82%	85%	94%	>95%	>95%	>95%	71%
	of 5,278	of 8,930	of 5,934	of 16,019	of 33,434	of 16,604	of 16,047	of 20,206	of 10,664	of 9,895	of 7,914	of 11,383	of 162,308
	residents	residents	residents	residents	residents	residents	residents	residents	residents	residents	residents	residents	residents

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^{** &}quot;Unknown/unspecified county" is shown as a % of the column population (age or race/ethnicity group).

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Data as of August 22, 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	8% of 83,667 residents	66% of 121,734 residents	90% of 73,083 residents	79% of 82,715 residents	76% of 242,436 residents	84% of 242,118 residents	87% of 206,995 residents	88% of 222,367 residents	93% of 100,804 residents	>95% of 81,083 residents	>95% of 64,640 residents	92% of 110,359 residents	81% of 1,632,002 residents
Nantucket	*	44% of 1,012 residents	86% of 562 residents	>95% of 507 residents	>95% of 1,722 residents	92% of 2,214 residents	91% of 2,184 residents	91% of 2,082 residents	87% of 945 residents	89% of 764 residents	93% of 562 residents	75% of 847 residents	82% of 14,255 residents
Norfolk	6% 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	92% 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	50% of 47,420 residents	85% of 26,325 residents	57% of 46,527 residents	77% of 176,345 residents	80% of 145,860 residents	86% of 88,768 residents	87% of 87,549 residents	87% of 40,123 residents	91% of 32,272 residents	93% of 24,580 residents	85% of 41,995 residents	75% of 797,936 residents
Worcester	2% of 45,082 residents	43% of 68,600 residents	72% of 42,016 residents	70% of 46,659 residents	66% of 114,476 residents	73% of 111,763 residents	76% of 108,360 residents	80% of 126,900 residents	87% of 58,820 residents	92% of 46,033 residents	95% of 35,450 residents	87% of 57,952 residents	71% of 862,111 residents
Unknown/ Unspecified**	0% of 356,875 MA residents 0-4 Years	1% of 521,112 MA residents 5-11 Years	1% of 316,296 MA residents 12-15 Years	2% of 371,285 MA residents 16-19 Years	5% of 1,010,451 MA residents 20-29 Years	4% of 955,267 MA residents 30-39 Years	3% of 852,990 MA residents 40-49 Years	2% of 980,162 MA residents 50-59 Years	2% of 464,409 MA residents 60-64 Years	2% of 383,903 MA residents 65-69 Years	2% of 307,883 MA residents 70-74 Years	2% of 509,277 MA residents 75+ Years	3% of 7,029,917 residents
Massachusetts	4% 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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Data as of August 22, 2022

Individuals with at least one booster dose administered by county, race, and Hispanic ethnicity (1 of 2)

Number of people in the county and race/ethnicity group with at least one booster dose divided by the fully vaccinated population in the county and race/ethnicity group

	American Indian or Alaskan Native	Asian	Black or African American	Hispanic	Multi-race	Native Hawaiian or Pacific Islander	White	Unknown/ Other race**	Total
Barnstable	54% of 527 residents	58% of 2,222 residents	37% of 5,127 residents	48% of 7,467 residents	68% of 3,866 residents	40% of 96 residents	67% of 150,939 residents	1% of 179,590 Barnstable county residents	63% of 179,590 residents
Berkshire	*	52% of 1,398 residents	43% of 2,586 residents	42% of 4,055 residents	61% of 2,000 residents	*	62% of 82,082 residents	1% of 95,781 Berkshire county residents	60% of 95,781 residents
Bristol	32% of 491 residents	52% of 8,754 residents	42% of 18,081 residents	39% of 32,625 residents	60% of 10,316 residents	34% of 172 residents	56% of 293,375 residents	1% of 379,749 Bristol county residents	53% of 379,749 residents
Dukes	56% of 109 residents	63% of 172 residents	43% of 858 residents	40% of 901 residents	64% of 388 residents	*	67% of 13,430 residents	2% of 17,604 Dukes county residents	60% of 17,604 residents
Essex	36% of 351 residents	60% of 21,687 residents	45% of 21,203 residents	41% of 100,558 residents	65% of 15,629 residents	44% of 194 residents	64% of 422,890 residents	1% of 613,407 Essex county residents	57% of 613,407 residents
Franklin	*	55% of 941 residents	47% of 631 residents	49% of 1,780 residents	71% of 975 residents	*	66% of 46,133 residents	1% of 52,605 Franklin county residents	63% of 52,605 residents
Hampden	36% of 377 residents	53% of 8,390 residents	47% of 21,214 residents	40% of 59,536 residents	59% of 7,113 residents	42% of 189 residents	60% of 194,287 residents	2% of 311,924 Hampden county residents	53% of 311,924 residents
Hampshire	58% of 104 residents	58% of 5,170 residents	54% of 2,264 residents	54% of 5,401 residents	72% of 2,561 residents	*	70% of 94,017 residents	1% of 114,499 Hampshire county residents	67% of 114,499 residents

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

^{** &}quot;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 were created with small, compounded rounding and records with unknown demographic information.

Data as of August 22, 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 992 residents	64% of 157,600 residents	51% of 59,817 residents	45% of 104,403 residents	72% of 62,032 residents	48% of 502 residents	69% of 873,420 residents	1% of 1,319,675 Middlesex county residents	64% of 1,319,675 residents
Nantucket	*	55% of 212 residents	34% of 972 residents	27% of 1,901 residents	62% of 147 residents	*	61% of 7,468 residents	1% of 11,652 Nantucket county residents	49% of 11,652 residents
Norfolk	40% of 379 residents	66% of 65,524 residents	52% of 36,936 residents	51% of 25,777 residents	71% of 28,741 residents	48% of 237 residents	67% of 400,249 residents	1% of 577,521 Norfolk county residents	64% of 577,521 residents
Plymouth	36% of 302 residents	61% of 5,247 residents	41% of 34,762 residents	45% of 14,852 residents	62% of 14,757 residents	41% of 129 residents	62% of 300,825 residents	1% of 384,435 Plymouth county residents	58% of 384,435 residents
Suffolk	43% of 621 residents	61% of 63,142 residents	52% of 105,032 residents	45% of 127,950 residents	69% of 20,794 residents	49% of 569 residents	65% of 244,063 residents	2% of 601,315 Suffolk county residents	56% of 601,315 residents
Worcester	33% of 554 residents	60% of 32,867 residents	45% of 26,843 residents	41% of 72,870 residents	65% of 18,512 residents	45% of 217 residents	62% of 437,573 residents	1% of 611,596 Worcester county residents	57% of 611,596 residents
Unknown/ Unspecified**	1% of 5,235 AI/AN residents	2% of 386,435 Asian residents	1% of 343,622 Black residents	1% of 571,849 Hispanic residents	1% of 191,083 Multi-race residents	*	1% of 3,679,148 White residents	0% of 5,449,491 MA residents	1% of 5,449,491 residents
Massachusetts	39% of 5,235 residents	62% of 386,435 residents	48% of 343,622 residents	43% of 571,849 residents	68% of 191,083 residents	44% of 2,528 residents	64% of 3,679,148 residents	1% of 5,449,491 MA residents	59% of 5,449,491 residents

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

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 were created with small, compounded rounding and records with unknown demographic information.

^{** &}quot;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.)

Data as of August 22, 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%	30%	49%	42%	44%	53%	60%	71%	78%	82%	84%	63%
	of 5,038	of 5,844	of 6,771	of 15,910	of 16,861	of 17,040	of 27,597	of 18,642	of 18,927	of 17,650	of 29,184	of 179,590
	residents	residents	residents	residents	residents	residents						
Berkshire	11%	36%	50%	41%	48%	56%	62%	71%	78%	78%	81%	60%
	of 4,368	of 3,929	of 4,372	of 9,875	of 10,747	of 10,564	of 15,169	of 9,108	of 8,381	of 7,464	of 11,727	of 95,781
	residents	residents	residents	residents	residents	residents						
Bristol	11%	25%	43%	38%	40%	48%	56%	66%	72%	75%	76%	53%
	of 12,979	of 16,636	of 19,009	of 43,973	of 48,564	of 50,734	of 65,251	of 33,376	of 28,647	of 23,604	of 36,639	of 379,749
	residents	residents	residents	residents	residents	residents						
Dukes	8%	40%	52%	34%	44%	55%	66%	77%	81%	85%	94%	60%
	of 713	of 763	of 710	of 1,964	of 2,640	of 2,277	of 2,628	of 1,411	of 1,420	of 1,349	of 1,689	of 17,604
	residents	residents	residents	residents	residents	residents						
Essex	13% of 31,400 residents	34% of 30,572 residents	50% of 32,379 residents	43% of 72,200 residents	48% of 81,382 residents	56% of 80,267 residents	63% of 100,170 residents	71% of 51,276 residents	77% of 43,341 residents	79% of 34,744 residents	80% of 54,419 residents	57% of 613,407 residents
Franklin	15%	41%	49%	46%	53%	62%	65%	72%	79%	86%	83%	63%
	of 2,068	of 2,018	of 2,370	of 5,166	of 6,509	of 6,118	of 8,098	of 5,116	of 5,277	of 4,453	of 5,355	of 52,605
	residents	residents	residents	residents	residents	residents						
Hampden	9%	27%	41%	37%	41%	50%	58%	68%	75%	77%	78%	53%
	of 12,517	of 14,469	of 15,839	of 37,704	of 40,560	of 39,706	of 50,022	of 27,082	of 23,931	of 19,532	of 30,359	of 311,924
	residents	residents	residents	residents	residents	residents						
Hampshire	28%	51%	56%	52%	60%	67%	70%	76%	82%	86%	87%	67%
	of 5,562	of 4,805	of 5,837	of 15,062	of 13,474	of 13,210	of 17,205	of 9,980	of 9,722	of 8,387	of 11,069	of 114,499
	residents	residents	residents	residents	residents	residents						

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^{** &}quot;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.

Data as of August 22, 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	24% of 80,674 residents	47% of 65,690 residents	60% of 65,156 residents	52% of 183,870 residents	60% of 203,434 residents	67% of 179,973 residents	71% of 195,794 residents	76% of 93,988 residents	81% of 78,309 residents	83% of 63,987 residents	83% of 102,054 residents	64% of 1,319,675 residents
Nantucket	8% of 449 residents	30% of 483 residents	41% of 489 residents	26% of 1,640 residents	36% of 2,046 residents	50% of 1,995 residents	59% of 1,888 residents	70% of 822 residents	80% of 681 residents	82% of 521 residents	85% of 634 residents	49% of 11,652 residents
Norfolk	21% of 35,435 residents	44% of 29,676 residents	61% of 30,460 residents	53% of 70,382 residents	60% of 79,444 residents	67% of 76,203 residents	70% of 92,212 residents	76% of 44,790 residents	82% of 37,412 residents	83% of 30,055 residents	84% of 49,228 residents	64% of 577,521 residents
Plymouth	10% of 17,279 residents	30% of 17,980 residents	50% of 20,745 residents	45% of 41,711 residents	47% of 45,412 residents	55% of 49,007 residents	62% of 66,163 residents	70% of 33,737 residents	77% of 29,536 residents	80% of 25,022 residents	81% of 37,395 residents	58% of 384,435 residents
Suffolk	17% of 23,879 residents	32% of 22,345 residents	42% of 26,477 residents	44% of 135,020 residents	56% of 117,104 residents	59% of 76,385 residents	64% of 75,911 residents	72% of 34,962 residents	77% of 29,215 residents	80% of 22,950 residents	81% of 35,503 residents	56% of 601,315 residents
Worcester	12% of 29,376 residents	34% of 30,210 residents	51% of 32,880 residents	44% of 75,106 residents	48% of 82,054 residents	56% of 81,964 residents	63% of 101,608 residents	71% of 51,252 residents	78% of 42,285 residents	80% of 33,603 residents	82% of 50,439 residents	57% of 611,596 residents
Unknown/ Unspecified**	0% of 266,146 MA residents 5-11 Years	0% of 248,436 MA residents 12-15 Years	1% of 272,063 MA residents 16-19 Years	3% of 758,998 MA residents 20-29 Years	2% of 784,184 MA residents 30-39 Years	1% of 707,222 MA residents 40-49 Years	1% of 843,013 MA residents 50-59 Years	1% of 426,567 MA residents 60-64 Years	1% of 364,597 MA residents 65-69 Years	1% of 298,556 MA residents 70-74 Years	1% of 465,381 MA residents 75+ Years	1% of 5,449,491 residents
Massachusetts	17% of 266,146 residents	37% of 248,436 residents	51% of 272,063 residents	46% of 758,998 residents	53% of 784,184 residents	59% of 707,222 residents	64% of 843,013 residents	72% of 426,567 residents	78% of 364,597 residents	80% of 298,556 residents	81% of 465,381 residents	59% of 5,449,491 residents

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

^{** &}quot;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 severed 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.