



Massachusetts Department of Public Health COVID-19 Dashboard - Thursday, April 22, 2021

Weekly COVID-19 Vaccination Report

The Weekly COVID-19 Vaccination Report includes the most currently available information on vaccines shipped and administered, as well as more granular information by geography, demographic factors, and more. This report will be posted each Thursday.

An important note regarding vaccination progress (*Source: CDC, 4/21*)

- MA currently ranks 3rd (tied with ME) out of US states for persons with 1+ doses administered per capita
- MA currently ranks 1st for persons with 1+ doses per capita amongst states with 5M people or more



Please note: This report reflects data available in the Massachusetts Immunization Information System (MIIS) as of Tuesday at 11:59PM and is pulled every Wednesday. 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.

Critical definitions

Please note: the following terms and definition apply to COVID-19 only. Updated 3/5/2021.

Doses administered: Doses of vaccine that have been given to people by providers. All doses, including the 1st and 2nd doses of a 2-dose vaccine and the 1st and only dose of a 1-dose vaccine, 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.

Doses shipped: Doses of vaccine that have been shipped to providers. All doses, including the 1st and 2nd doses of a 2-dose vaccine and the 1st and only dose of a 1-dose vaccine, are included in this measurement. Data include doses shipped to 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 CHCs receiving vaccine from HRSA. Some doses are shipped as part of a separate federal distribution system and would not be included here.

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. This is measured as the total number of 2nd doses of Moderna and Pfizer administered and reported plus the total number of Janssen/Johnson & Johnson doses administered and reported.

Individuals with at least 1 dose: An individual is counted as having at least 1 dose if they have received one or more doses of vaccine. This is measured as the total number of 1st doses of Moderna and Pfizer vaccine administered and reported, plus the total number of Janssen/Johnson & Johnson doses administered and reported.

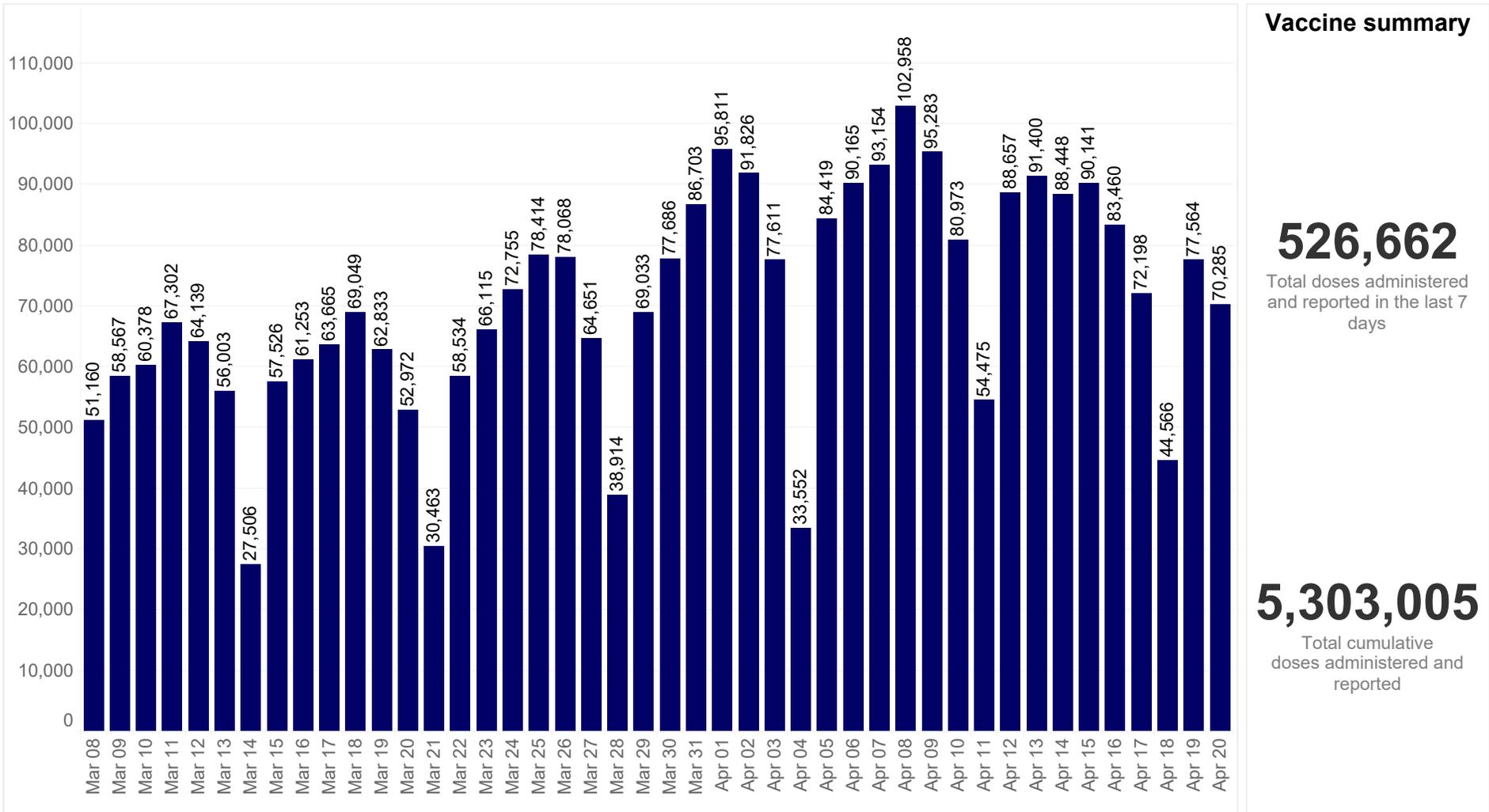
MIIS: Immunization data from most (but not all) providers in Massachusetts are reported into the Massachusetts Immunization Information System (MIIS) through direct messages from electronic health records or direct entry by users. Due to inputting and processing, it may take 24-48 hours or more for shipping 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.

Tiberius: Tiberius is a federal data platform which integrates data on COVID-19 vaccine including vaccine allocation and shipment data for pharmacies in the Federal Pharmacy Partnership Program and the jurisdictional transfer program for retail pharmacies as well as shipments through HRSA for CHCs.

Total COVID-19 Vaccine Doses Administered

Data as of April 20, 2021

Doses administered and reported in the last 45 days

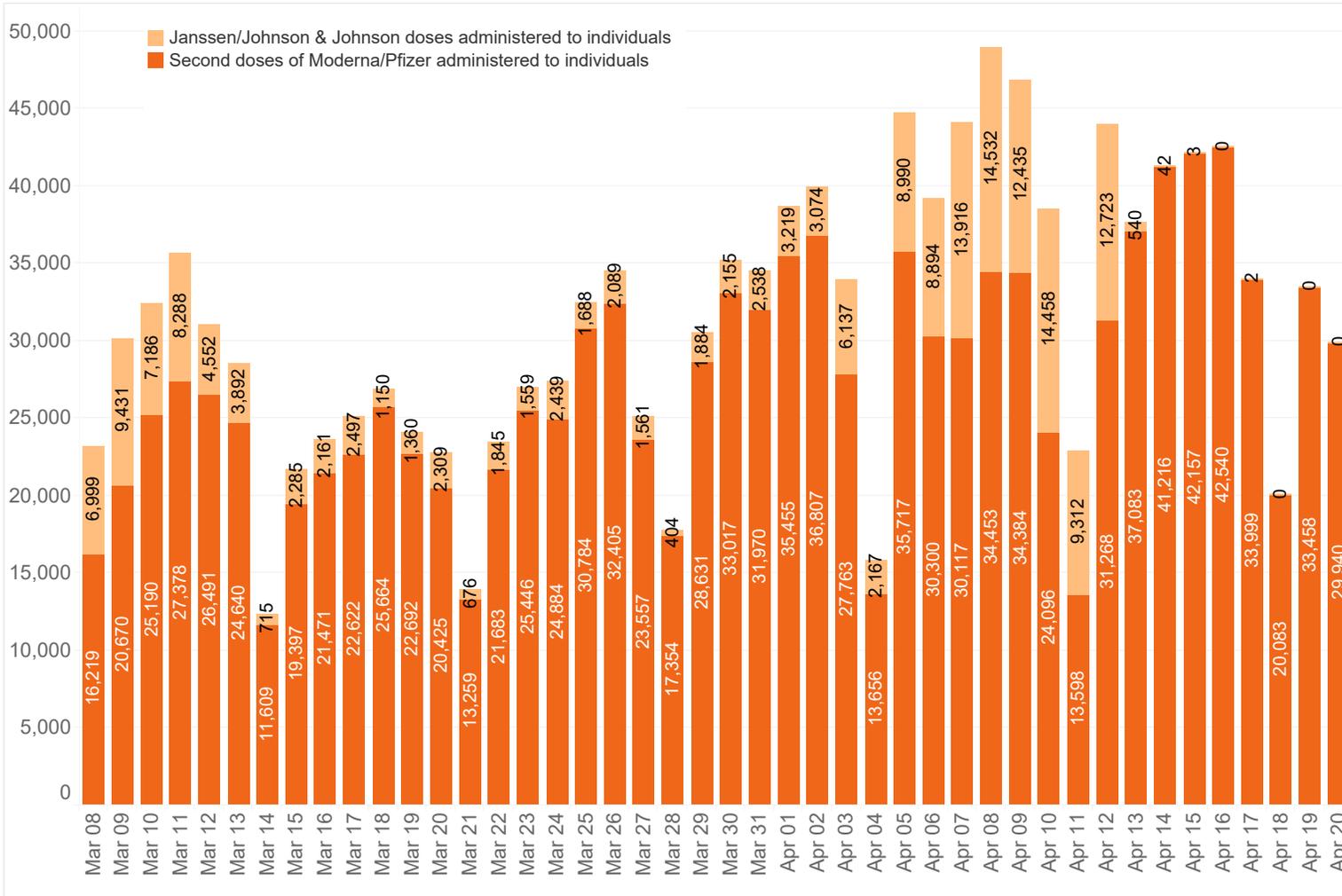


Note: Data from MIIS (see "definitions"). Data reflect doses administered (see "definitions"), including Janssen/Johnson & Johnson beginning on 3/5/21. All doses, including the 1st and 2nd doses of a 2-dose vaccine and the 1st and only dose of a 1-dose vaccine, are included in this measurement. Dates reflect the date doses were administered.

Total Individuals Fully Vaccinated

Data as of April 20, 2021

Individuals fully vaccinated and reported in the last 45 days



Vaccine summary

243,440

Individuals becoming fully vaccinated and reported in the last 7 days

2,136,135

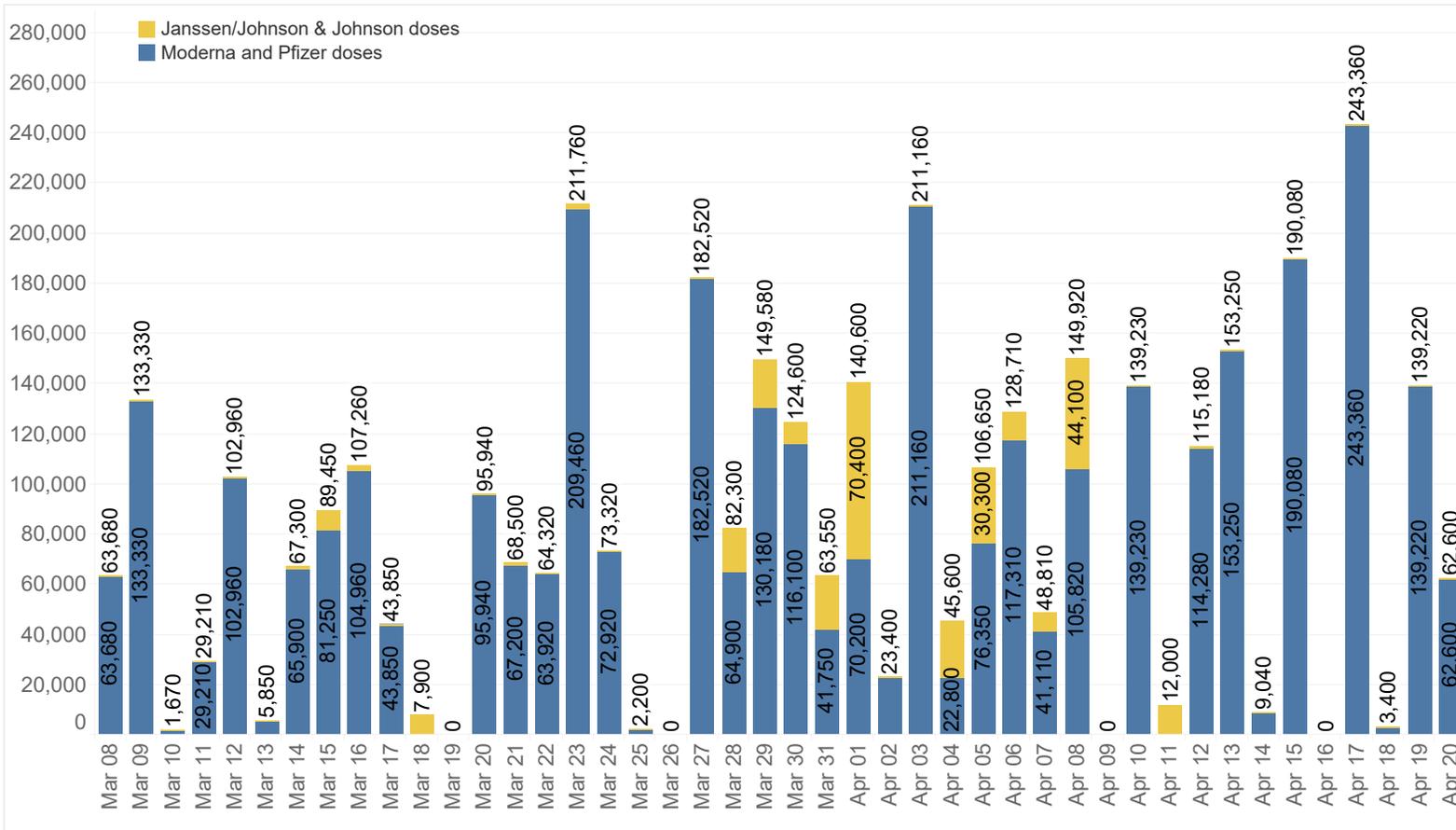
Total individuals fully vaccinated and reported

NOTE: Data from MIIS (see "definitions"). Data reflect individuals fully vaccinated (see "definitions"), including with Janssen/Johnson & Johnson beginning on 3/5/21; this is measured as the total number of 2nd doses of Moderna and Pfizer administered and reported plus the total number of Janssen/Johnson & Johnson doses administered and reported. Some individuals may receive a first or second dose of Moderna or Pfizer from a non-reporting provider and would not be included as fully vaccinated. Dates reflect the date doses were administered.

Doses of COVID-19 Vaccine Shipped to Massachusetts

Data as of April 20, 2021

Doses shipped to Massachusetts in the last 45 days



Vaccine summary

4,294,925

Total doses shipped to MA providers

1,975,295

Total doses shipped through FPPP, retail pharmacies and HRSA

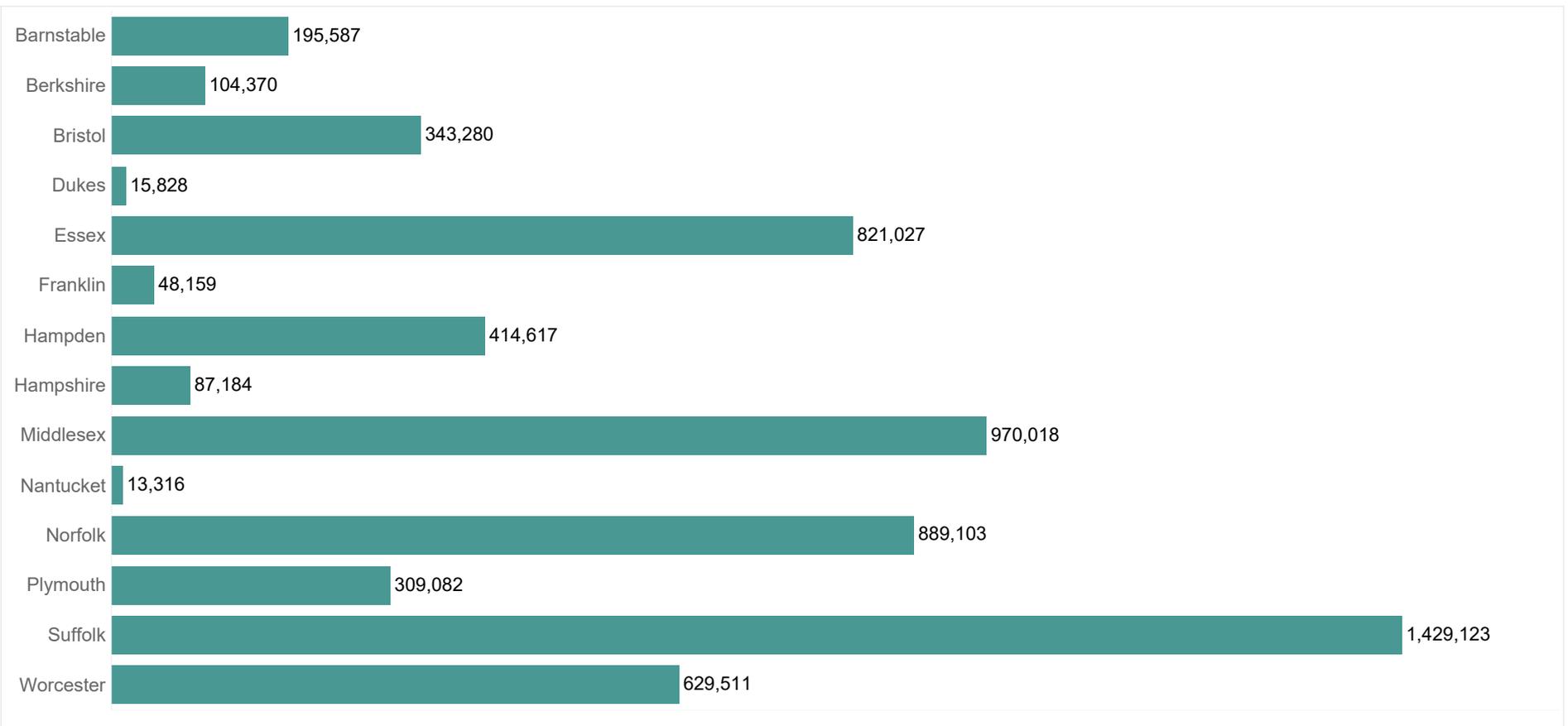
6,270,220

Total cumulative doses shipped to MA

Data from MIIS and Tiberius (see "definitions"). Data reflect doses shipped (see "definitions"), including Janssen/Johnson & Johnson beginning on 3/5/21. All doses, including the 1st and 2nd doses of a 2-dose vaccine and the 1st and only dose of a 1-dose vaccine, are included in this measurement.

Cumulative COVID-19 Vaccine Doses Shipped to Massachusetts Providers by County of Provider

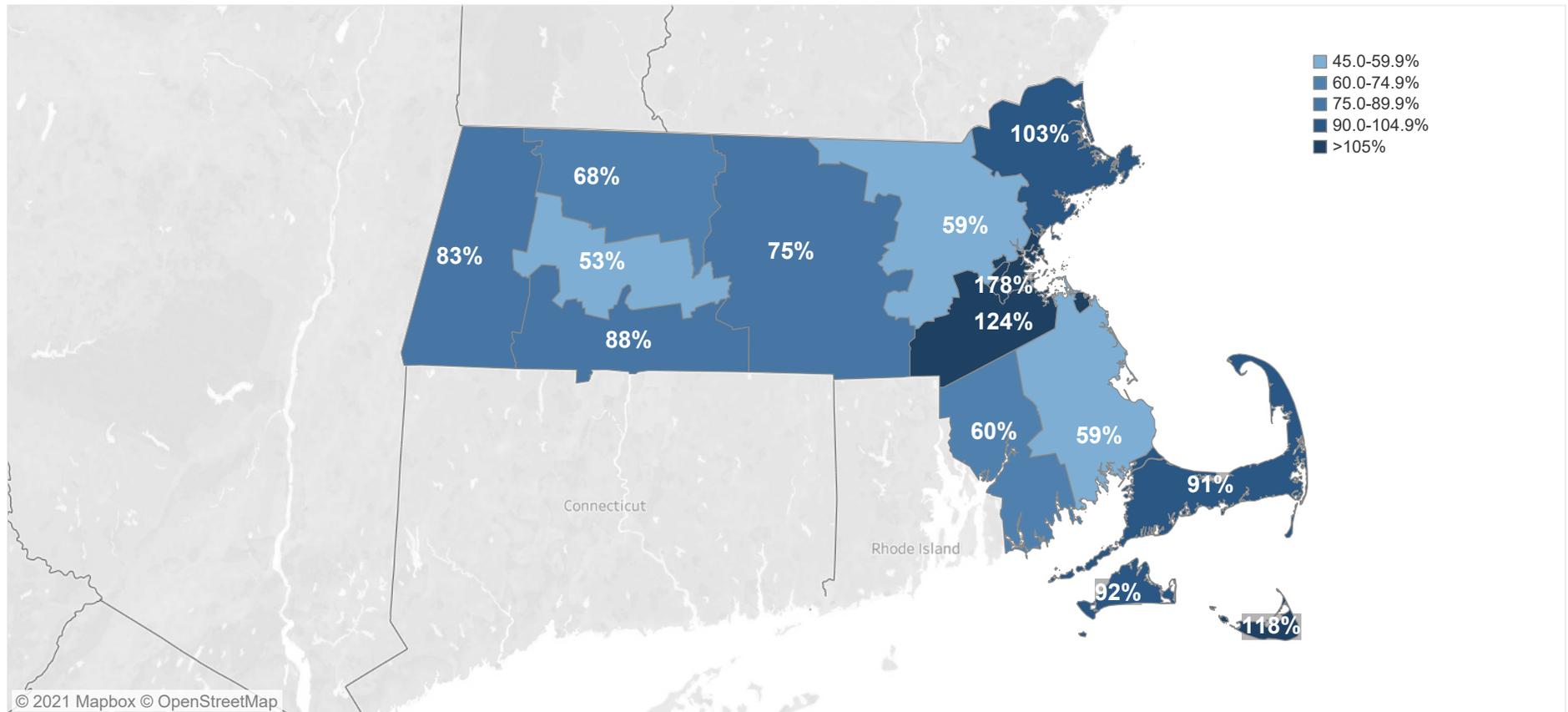
Data as of April 20, 2021



NOTE: Data from MIIS and Tiberius (see "definitions"). Data reflect doses shipped (see "definitions"), including Janssen/Johnson & Johnson beginning on 3/5/21. All doses, including the 1st and 2nd doses of a 2-dose vaccine and the 1st and only dose of a 1-dose vaccine are included in this view. As of 2/26/21, data reflect transfers between providers reported to the MIIS.

Cumulative COVID-19 Vaccine Doses Shipped to Massachusetts Providers by County of Provider as a Percent of County Population

Data as of April 20, 2021

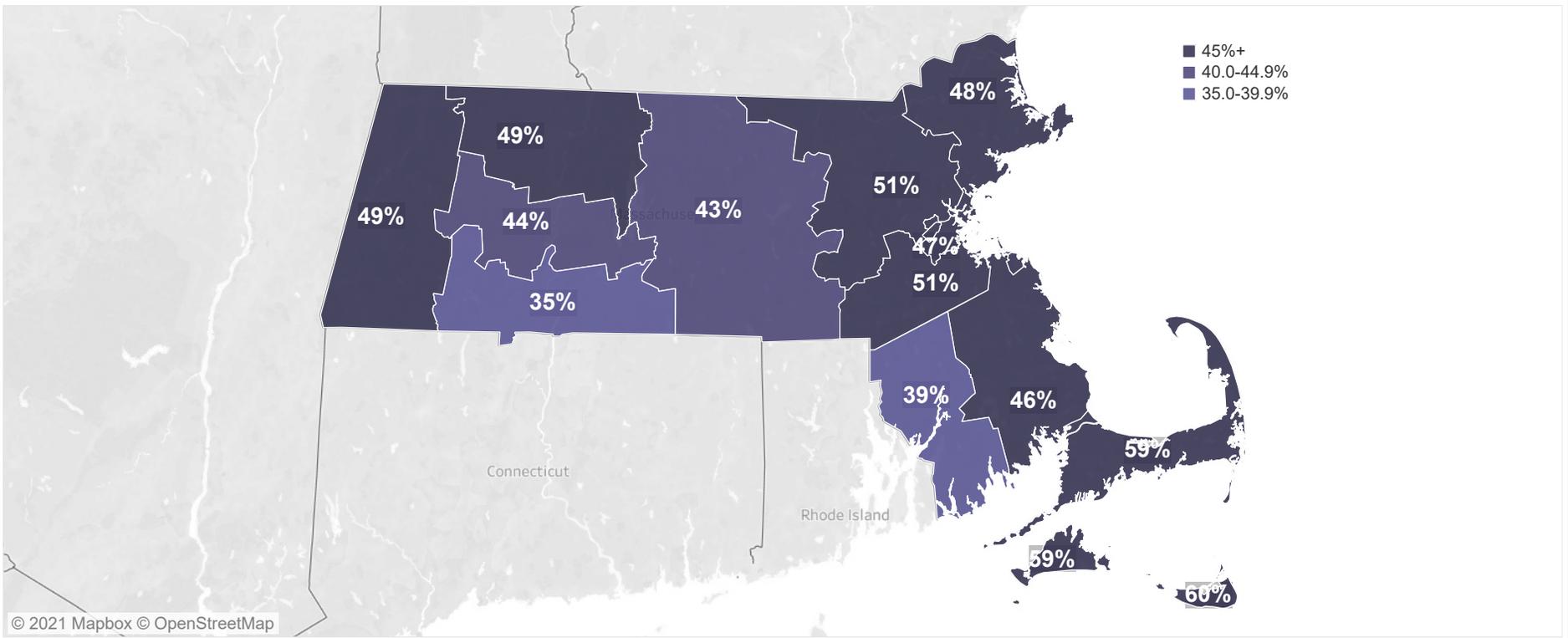


NOTE: Data from MIIS and Tiberius (see "definitions"). Data reflect doses shipped (see "definitions"), including Janssen/Johnson & Johnson beginning on 3/5/21. All doses, including the 1st and 2nd doses of a 2-dose vaccine and the 1st and only dose of a 1-dose vaccine, are included in this measurement. As of 2/26/21, data reflect transfers between providers reported to the MIIS. These proportions use Donahue population estimates from 2019.

Cumulative Percentage of Individuals with at Least One Dose Administered by County of Resident Address

Data as of April 20, 2021

Percentage of Individuals with at Least One Dose Administered

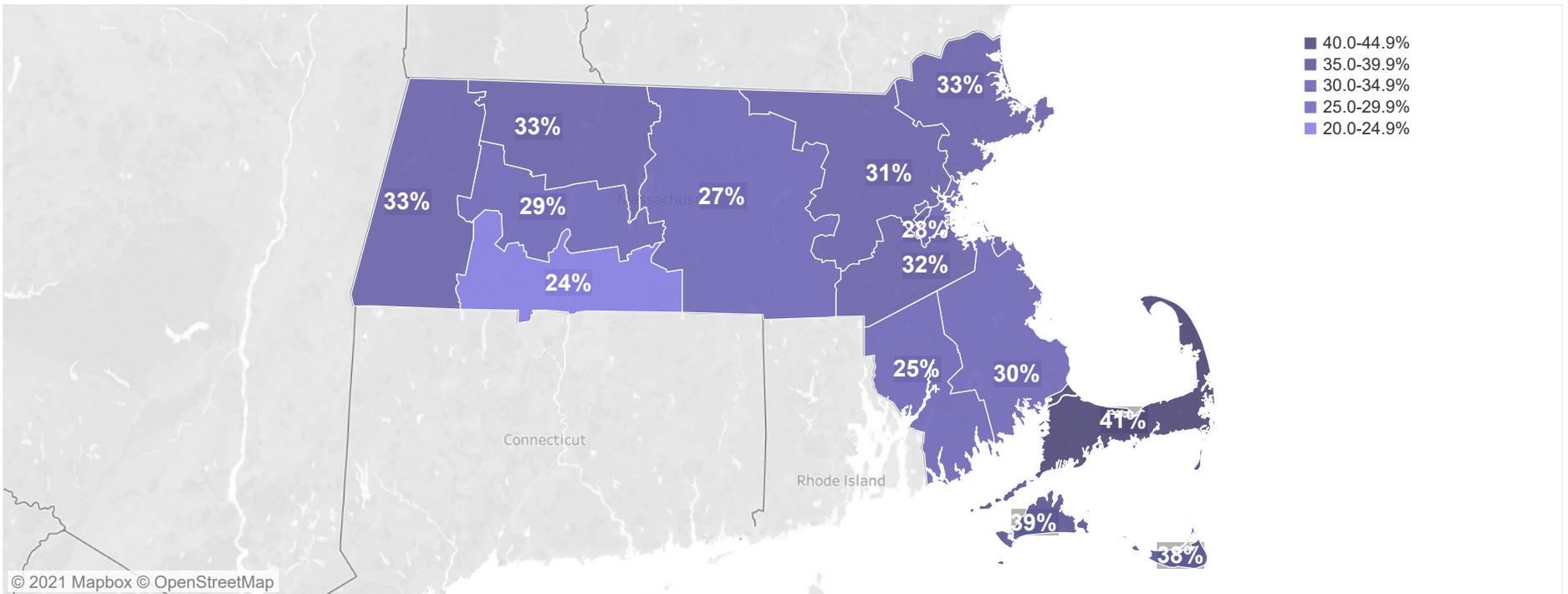


NOTE: Data from MIIS (see “definitions”). Data reflect doses administered and reported (see “definitions”), including Janssen/Johnson & Johnson beginning on 3/5/21. An individual is counted as having at least 1 dose if they have received one or more doses of vaccine. This is measured as the total number of 1st doses of Moderna and Pfizer vaccine administered and reported, plus the total number of Janssen/Johnson & Johnson doses administered and reported. Doses without address records are not included in this view. These proportions use Donahue population estimates from 2019.

Cumulative Percentage of Individuals who are Fully Vaccinated by County of Resident Address

Data as of April 20, 2021

Percentage of Individuals Fully Vaccinated

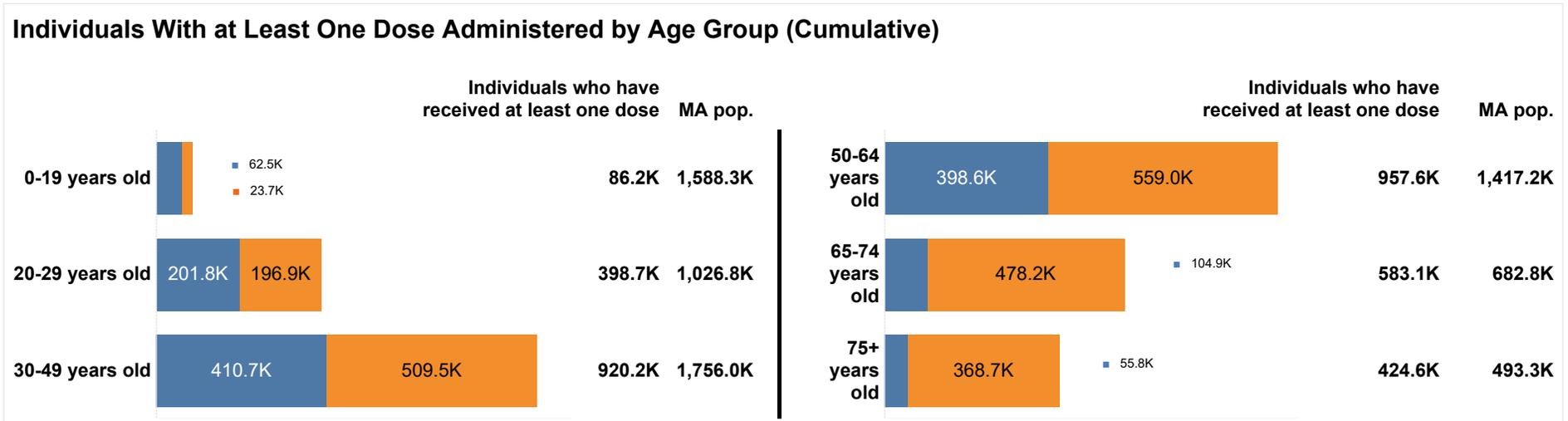


NOTE: Data from MIIS (see “definitions”). Data reflect doses administered and reported (see “definitions”), including Janssen/Johnson & Johnson beginning on 3/5/21. An individual is counted as fully vaccinated if they have received the 2nd dose of Moderna or Pfizer or have received a dose of Janssen/Johnson & Johnson vaccine. Doses without address records are not included in this view. Some individuals may receive a first or second dose of Moderna or Pfizer from a non-reporting provider and would not be included as fully vaccinated. These proportions use Donahue population estimates from 2019.

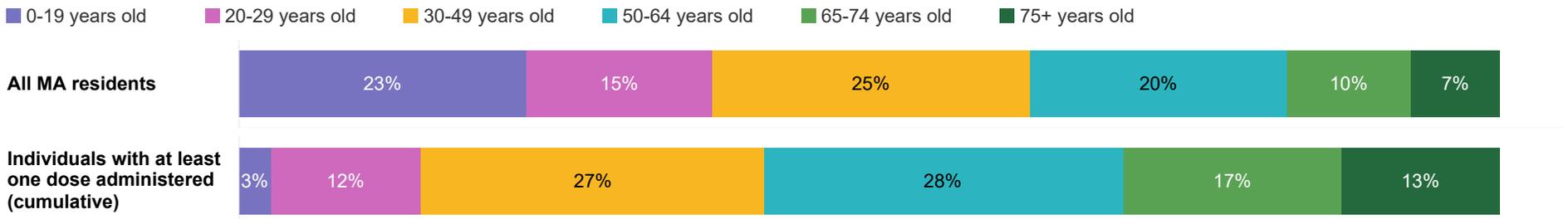
Cumulative Individuals With at Least One Vaccine Dose Administered by Age Group

Data as of April 20, 2021

■ Individuals who are partially vaccinated ■ Individuals who are fully vaccinated



Distribution of Individuals by Age Group, Comparing General Population Numbers to Those With at Least One Dose

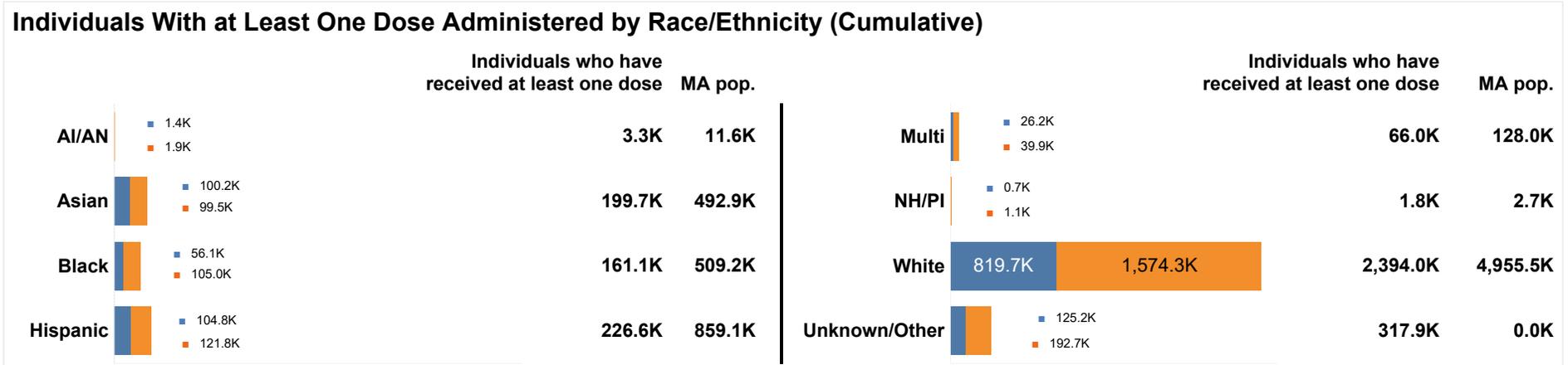


Data from MIIS (see “definitions”). Data reflect doses administered and reported (see “definitions”), including Janssen/Johnson & Johnson beginning on 3/5/21. An individual is counted as partially vaccinated if they have received only the 1st dose of a two-dose vaccine (currently Moderna and Pfizer). An individual is counted as fully vaccinated if they have received the 2nd dose of Moderna or Pfizer or have received a dose of Janssen/Johnson & Johnson vaccine. These are mutually exclusive populations. Some individuals may receive a first or second dose of Moderna or Pfizer from a non-reporting provider and would not be included as fully vaccinated. These proportions use Donahue population estimates from 2019. The difference in the MA state population totals created by summing the age or sex categories and by summing the race categories is expected due to the manner in which the estimates were created; the discrepancy is due to unknown races and small, compounded rounding.

Cumulative Individuals With at Least One Vaccine Dose Administered by Race/Ethnicity

Data as of April 20, 2021

■ Individuals who are partially vaccinated ■ Individuals who are fully vaccinated



Distribution of Individuals by Race/Ethnicity, Comparing General Population to MA Population 60+ and Those With at Least One Dose



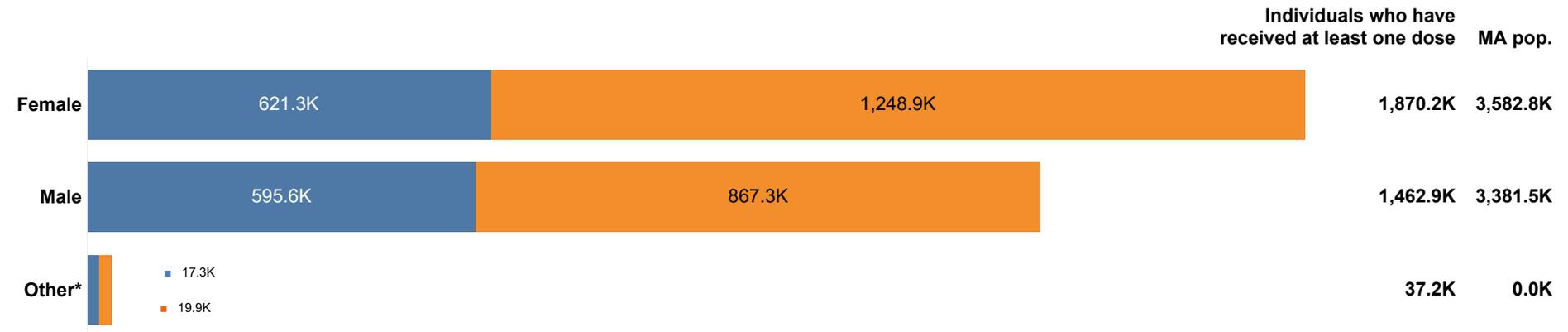
Data from MIIS (see "definitions"). Data reflect doses administered and reported (see "definitions"), including Janssen/Johnson & Johnson beginning on 3/5/21. An individual is counted as partially vaccinated if they have received only the 1st dose of a two-dose vaccine (currently Moderna and Pfizer). An individual is counted as fully vaccinated if they have received the 2nd dose of Moderna or Pfizer or have received a dose of Janssen/Johnson & Johnson vaccine. These are mutually exclusive populations. Some individuals may receive a first or second dose of Moderna or Pfizer from a non-reporting provider and would not be included as fully vaccinated. Reported race and ethnicity are incomplete in MIIS (36% unknown ethnicity; 16% unknown race). Race and ethnicity data have been re-evaluated and as of 2/10/21 more accurately reflect reported patient information. NH= Native Hawaiian, PI = Pacific Islander, and AI/AN = American Indian/Alaska Native. Unknown/Other includes responses that do not fit into the listed categories, non responses, "prefer not to say", and records from selected providers whose software does not allow them to collect race and ethnicity data. These proportions use Donahue population estimates from 2019. The difference in the MA state population totals created by summing the age or sex categories and by summing the race categories is expected due to the manner in which the estimates were created; the discrepancy is due to unknown races and small, compounded rounding.

Cumulative Individuals With at Least One Vaccine Dose Administered by Sex

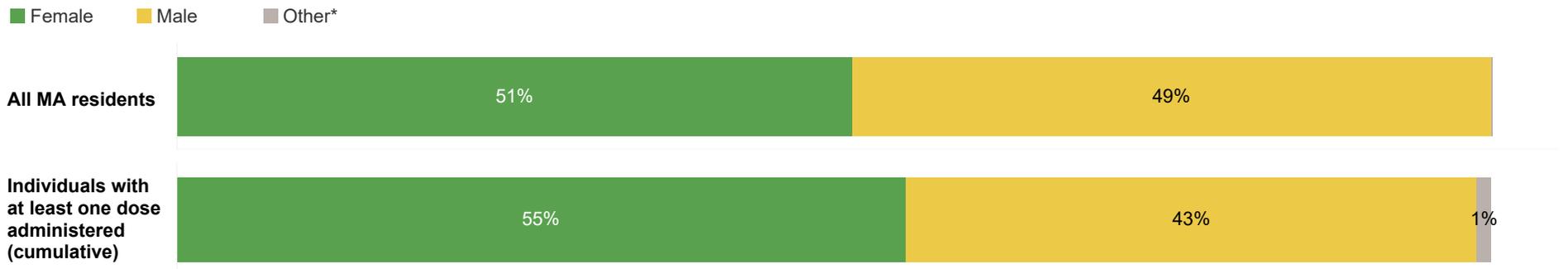
Data as of April 20, 2021

■ Individuals who are partially vaccinated ■ Individuals who are fully vaccinated

Individuals With at Least One Dose Administered by Sex (Cumulative)



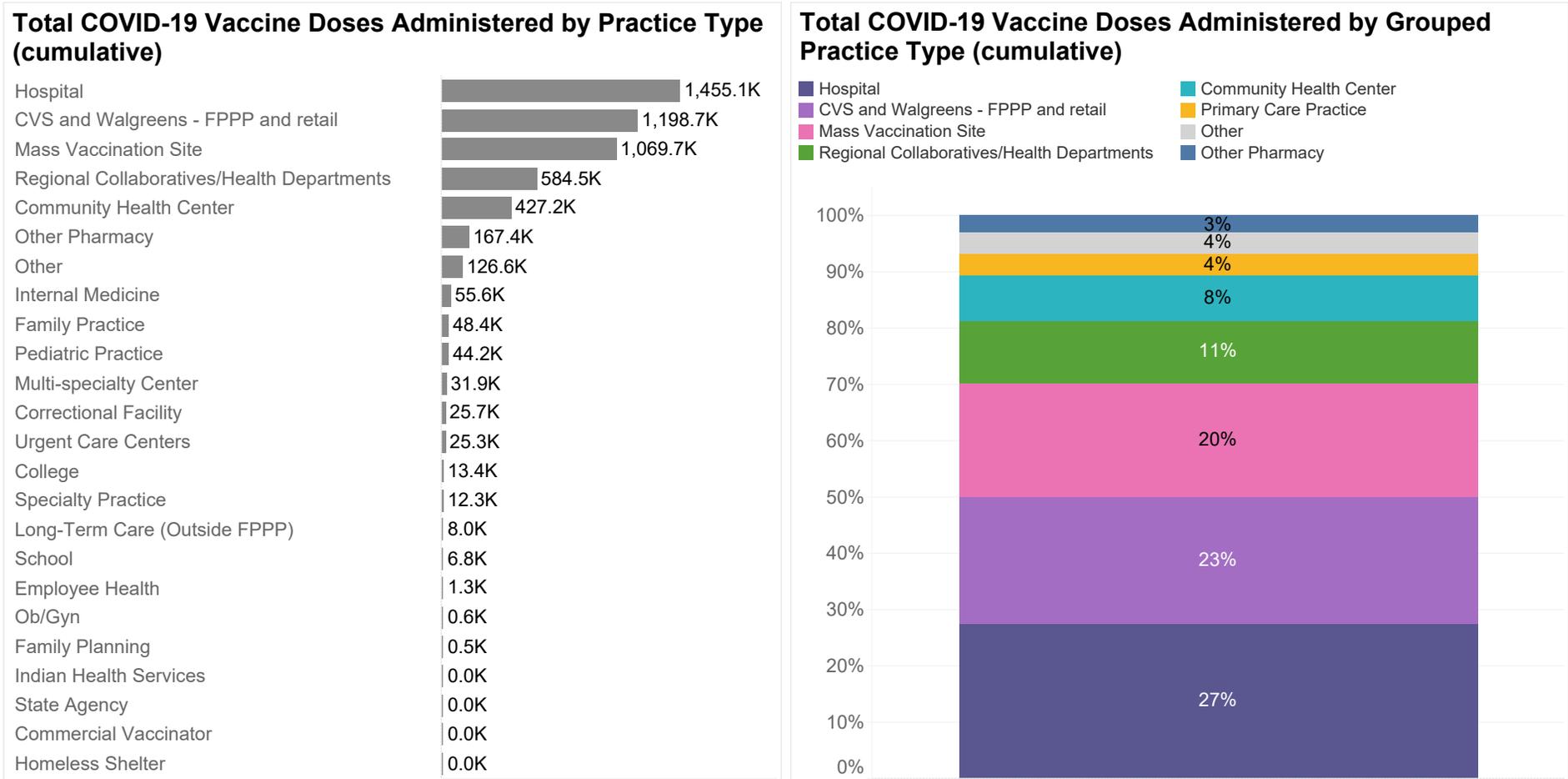
Distribution of Individuals by Sex, Comparing General Population Numbers to Those With at Least One Dose



Data from MIIS (see "definitions"). Data reflect doses administered and reported (see "definitions"), including Janssen/Johnson & Johnson beginning on 3/5/21. An individual is counted as partially vaccinated if they have received only the 1st dose of a two-dose vaccine (currently Moderna and Pfizer). An individual is counted as fully vaccinated if they have received the 2nd dose of Moderna or Pfizer or have received a dose of Janssen/Johnson & Johnson vaccine. These are mutually exclusive populations. Some individuals may receive a first or second dose of Moderna or Pfizer from a non-reporting provider and would not be included as fully vaccinated. Until values grow larger, all non-binary data are included in Other. Other also includes unknown responses where sex was not reported. These proportions use Donahue population estimates from 2019. The difference in the MA state population totals created by summing the age or sex categories and by summing the race categories is expected due to the manner in which the estimates were created; the discrepancy is due to unknown races and small, compounded rounding.

Total COVID-19 Vaccine Doses Administered by Practice Type

Data as of April 20, 2021



NOTE: Data from MIIS (see "definitions"). Data reflect doses administered (see "definitions"), including Janssen/Johnson & Johnson beginning on 3/5/21. MIIS includes multiple practice types which have been collapsed into the most frequent practice types for reporting here (see next page); some providers may have been recategorized based on information from providers indicating that they fall in other categories, Employee and occupational health programs at healthcare or correctional facilities are reported by facility type. CVS and Walgreens are administering vaccines as part of both the Federal Pharmacy Partnership Program for Long-Term Care (FPPP) and through retail pharmacies. As of 4/21/21, all other retail pharmacies and commercial pharmacies are reported under Other Pharmacy.

Practice Types

Practice types

- **Hospital** includes Hospital (public) and Hospital (private)
- **Employee health**
- **Long-term care** includes Assisted Living/Adult Day Care, LTCF/Nursing Home/Rest Home, LTC Public, and Rehabilitation Center
- **College** includes College (private) and College (public)
- **School** includes School (special education), School(collaborative), School (charter), and School-based health center
- **Community Health Centers**
- **Internal medicine**
- **Family practice**
- **Pediatric practice**
- **CVS and Walgreens - FPPP and retail**
- **Mass vaccination site**
- **Commercial vaccinator**
- **Regional collaborative/Health department**
- **Correctional Facility**
- **Homeless shelter**
- **Indian Health Services**
- **Urgent care centers**
- **Other pharmacy** (includes retail and commercial pharmacy as well as SWAT)
- **Multi-specialty center**
- **OB/GYN**
- **Family planning**
- **Specialty practice**
- **Other** includes Other (private), Home health agency, State agency, VNA, CDC Commercial pharmacy, Job corp, Military base, Residential treatment center for adolescents, STD walk-in clinic, Department of Mental Health, Walk-in, Free clinic, Council on Aging

Groups of practice types

- **Hospital** = Hospital (public) and Hospital (private)
- **Mass vaccination site**
- **CVS and Walgreens - FPPP and retail**
- **Primary care practice** = Internal medicine; Family practice; Pediatric practice; Multi-specialty center; OB/GYN; Indian Health Services; Urgent care centers; Specialty practice; Family planning
- **Community Health Center**
- **Other pharmacy** (includes other retail and commercial pharmacy as well as SWAT)
- **Regional collaborative/Health department**
- **Other** = College (private) and College (public); School (special education); School (collaborative); School (charter); School-based health center; Correctional Facility; Homeless shelter; Other (public); Other (private); Home health agency; State agency; VNA, Commercial vaccinator; Job corp; Military base; Residential treatment center for adolescents; STD walk-in clinic; Department of Mental Health; Walk-in; Free Clinic; Council on Aging; Assisted Living/Adult Day Care; LTCF/Nursing Home/Rest Home; LTC Public and Rehabilitation Center; Employee Health; Commercial vaccinator

Note: Commercial vaccinators may be hired by workplaces to vaccinate employees. CVS and Walgreens are administering vaccines as part of both the Federal Pharmacy Partnership Program for Long-Term Care (FPPP) and through retail pharmacies.

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

Data as of Apr 20th

XX Doses as % of people in race/ethnicity group (XX) Estimate of total population in county by race/ethnicity

* Vaccination figures suppressed where less than 30 persons are included for privacy

	AI/AN	Asian	Black	Hispanic	Multi	NH/PI	White	Unknown/ Other	Total ¹
Barnstable	12% (1,223)	41% (2,945)	30% (6,692)	40% (6,985)	31% (3,665)	62% (83)	56% (194,309)	+5%	59% (215,903)
Berkshire	35% (196)	39% (1,915)	26% (4,045)	30% (6,390)	19% (2,660)	137% (30)	47% (110,766)	+4%	49% (126,001)
Bristol	24% (1,238)	32% (13,598)	25% (28,693)	19% (49,097)	23% (10,888)	26% (292)	38% (467,989)	+4%	39% (571,794)
Dukes	*	46% (164)	53% (708)	32% (604)	22% (426)	*	57% (15,135)	+4%	59% (17,234)
Essex	26% (895)	40% (29,557)	41% (27,801)	17% (176,127)	50% (10,774)	65% (200)	52% (551,761)	+4%	48% (797,116)
Franklin	14% (218)	34% (1,109)	32% (869)	19% (2,867)	14% (1,244)	*	45% (64,400)	+6%	49% (70,788)
Hampden	30% (646)	30% (12,057)	22% (36,512)	16% (123,550)	16% (7,918)	59% (150)	38% (290,647)	+5%	35% (471,479)
Hampshire	33% (235)	24% (9,260)	23% (4,756)	24% (9,450)	18% (3,257)	50% (64)	44% (136,631)	+4%	44% (163,654)

Individuals with at least one dose as % of population is calculated as cumulative first doses of Moderna and Pfizer administered and reported plus the cumulative doses of Janssen/Johnson & Johnson doses administered, divided by the population in the county and the race/ethnicity category

NOTE: Data from MUIS (see "definitions"). Data reflect doses administered (see "definitions"), including Janssen/Johnson & Johnson beginning on 3/5/21. An individual is counted as having at least 1 dose if they have received one or more doses. This is measured as the total number of 1st doses of Moderna and Pfizer administered and reported, plus the total number of Janssen/Johnson & Johnson doses administered and reported. Doses without address records are not included in this view. County population totals include suppressed values as indicated with a "***". Data are rounded such that back calculations of suppressed data are not possible. "Unknown/other" is shown as a % of the row population (county or state). These proportions use Donahue population estimates from 2019. Note about Totals: The difference in the MA 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; the discrepancy is due to unknown races and small, compounded rounding.

Confidential, Draft and Pre-Decisional

Individuals with at least one dose administered by county and race/ethnicity (2 of 2)

Data as of Apr 20th

XX Doses as % of people in race/ethnicity group (XX) Estimate of total population in county by race/ethnicity

* Vaccination figures suppressed where less than 30 persons are included for privacy

	AI/AN	Asian	Black	Hispanic	Multi	NH/PI	White	Unknown/ Other	Total
Middlesex	40% (1,814)	38% (211,552)	33% (86,011)	31% (135,790)	68% (33,658)	>95% (417)	50% (1,161,204)	+4%	51% (1,630,447)
Nantucket	*	57% (189)	36% (1,127)	37% (1,664)	29% (156)	*	64% (8,153)	+3%	60% (11,305)
Norfolk	36% (827)	40% (84,533)	34% (52,616)	32% (35,455)	86% (13,134)	95% (223)	50% (528,859)	+4%	51% (715,648)
Plymouth	19% (1,176)	36% (7,940)	26% (57,222)	26% (21,519)	54% (9,037)	18% (444)	45% (429,229)	+4%	46% (526,566)
Suffolk	28% (1,575)	48% (73,683)	33% (161,847)	31% (188,201)	56% (16,736)	95% (450)	50% (360,015)	+5%	47% (802,506)
Worcester	26% (1,395)	38% (44,356)	27% (40,327)	36% (101,395)	35% (14,455)	50% (254)	42% (636,423)	+0%	43% (838,605)
Unspecified (as % of MA)	1% (11,644)	1% (492,858)	1% (509,228)	1% (859,095)	1% (128,005)	3% (2,695)	1% (4,955,521)	+3%	2% (6,959,046)
MA	28% (11,644)	41% (492,858)	32% (509,228)	26% (859,095)	52% (128,005)	65% (2,695)	48% (4,955,521)	+5%	48% (6,959,046)

Individuals with at least one dose as % of population is calculated as cumulative first doses of Moderna and Pfizer administered and reported plus the cumulative doses of Janssen/Johnson & Johnson doses administered, divided by the population in the county and the race/ethnicity category

NOTE: Data from MHS (see "definitions"). Data reflect doses administered (see "definitions"), including Janssen/Johnson & Johnson beginning on 3/5/21. An individual is counted as having at least 1 dose if they have received one or more doses. This is measured as the total number of 1st doses of Moderna and Pfizer administered and reported, plus the total number of Janssen/Johnson & Johnson doses administered and reported. Doses without address records are not included in this view. County population totals include suppressed values as indicated with a "***". Data are rounded such that back calculations of suppressed data are not possible. "Unknown/other" is shown as a % of the row population (county or state). These proportions use Donahue population estimates from 2019. Note about Totals: The difference in the MA 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; the discrepancy is due to unknown races and small, compounded rounding.

Confidential, Draft and Pre-Decisional

Individuals with at least one dose administered by county and age group (1 of 2)

Data as of Apr 20th

XX Doses as % of people in age group

(XX) Estimate of total population in county by age

* Vaccination figures suppressed where less than 30 persons are included for privacy

	0-19 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	6% (36,252)	35% (22,041)	52% (18,884)	57% (19,841)	65% (31,497)	78% (20,219)	84% (20,609)	88% (18,355)	95% (28,931)	59% (216,629)
Berkshire	5% (24,680)	29% (16,052)	46% (13,519)	49% (13,286)	58% (18,629)	70% (10,402)	79% (9,277)	84% (7,756)	86% (12,797)	49% (126,398)
Bristol	4% (132,422)	25% (76,372)	35% (69,793)	41% (72,112)	52% (83,136)	66% (38,700)	77% (31,682)	79% (25,411)	79% (41,795)	39% (571,424)
Dukes	5% (3,385)	40% (1,881)	56% (2,046)	61% (1,963)	69% (2,533)	83% (1,355)	90% (1,445)	95% (1,275)	>95% (1,523)	59% (17,404)
Essex	5% (190,150)	34% (103,878)	49% (95,156)	53% (97,303)	64% (114,966)	78% (55,838)	86% (45,647)	87% (35,821)	85% (58,157)	48% (796,916)
Franklin	5% (13,439)	32% (8,235)	41% (9,067)	49% (8,092)	57% (10,146)	68% (6,140)	81% (5,806)	87% (4,523)	86% (5,721)	49% (71,169)
Hampden	3% (115,129)	21% (68,048)	32% (57,332)	38% (54,201)	47% (63,075)	62% (31,669)	73% (26,269)	76% (20,658)	76% (34,490)	35% (470,869)
Hampshire	5% (36,882)	22% (35,323)	49% (16,583)	54% (15,758)	62% (19,890)	76% (10,719)	86% (9,910)	95% (7,793)	88% (11,138)	44% (163,997)

Individuals with at least one dose as % of population is calculated as cumulative first doses of Moderna and Pfizer administered and reported plus the cumulative doses of Janssen/Johnson & Johnson doses administered, divided by the population in the county and the age category

NOTE: Data from MIIS (see "definitions"). Data reflect doses administered (see "definitions"), including Janssen/Johnson & Johnson beginning on 3/5/21. An individual is counted as having at least 1 dose if they have received one or more doses. This is measured as the total number of 1st doses of Moderna and Pfizer administered and reported, plus the total number of Janssen/Johnson & Johnson doses administered and reported. Doses without address records are not included in this view. County population totals include suppressed values as indicated with a "***". Data are rounded such that back calculations of suppressed data are not possible. These proportions use Donahue population estimates from 2019. Note about Totals: The difference in the MA 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; the discrepancy is due to unknown races and small, compounded rounding.

Individuals with at least one dose administered by county and age group (2 of 2)

Data as of Apr 20th

XX Doses as % of people in age group

(XX) Estimate of total population in county by age

* Vaccination figures suppressed where less than 30 persons are included for privacy

	0-19 Years	20-29 Years	30-39 Years	40-49 Years	50-59 Years	60-64 Years	65-69 Years	70-74 Years	75+ Years	Total
Middlesex	7% (366,861)	41% (247,341)	56% (228,861)	59% (206,487)	66% (219,945)	80% (101,566)	87% (82,038)	89% (64,445)	87% (109,008)	51% (1,626,553)
Nantucket	4% (2,586)	46% (1,457)	63% (1,739)	76% (1,664)	84% (1,584)	92% (745)	>95% (582)	>95% (427)	90% (632)	60% (11,416)
Norfolk	6% (167,480)	43% (93,001)	55% (90,383)	57% (91,207)	68% (102,359)	81% (47,671)	87% (38,641)	88% (30,539)	86% (53,991)	51% (715,271)
Plymouth	5% (125,330)	32% (63,664)	44% (59,068)	49% (64,425)	59% (79,368)	72% (38,113)	82% (32,078)	83% (26,054)	85% (39,590)	46% (527,689)
Suffolk	5% (173,074)	46% (173,854)	52% (146,530)	54% (90,569)	63% (87,620)	72% (40,214)	80% (32,247)	82% (24,741)	79% (40,745)	46% (809,594)
Worcester	5% (200,653)	31% (115,683)	42% (105,657)	47% (104,481)	57% (121,736)	71% (57,326)	82% (44,661)	86% (34,115)	85% (54,742)	43% (839,053)
Unspecified (as % of MA)	0% (1,588,321)	3% (1,026,829)	2% (914,617)	2% (841,388)	2% (956,483)	2% (460,677)	1% (380,893)	1% (301,913)	1% (493,260)	2% (6,964,383)
MA	5% (1,588,321)	39% (1,026,829)	51% (914,617)	54% (841,388)	63% (956,483)	76% (460,677)	84% (380,893)	87% (301,913)	86% (493,260)	48% (6,964,383)

Individuals with at least one dose as % of population is calculated as cumulative first doses of Moderna and Pfizer administered and reported plus the cumulative doses of Janssen/Johnson & Johnson doses administered, divided by the population in the county and the age category

NOTE: Data from MIIS (see "definitions"). Data reflect doses administered (see "definitions"), including Janssen/Johnson & Johnson beginning on 3/5/21. An individual is counted as having at least 1 dose if they have received one or more doses. This is measured as the total number of 1st doses of Moderna and Pfizer administered and reported, plus the total number of Janssen/Johnson & Johnson doses administered and reported. Doses without address records are not included in this view. County population totals include suppressed values as indicated with a "***". Data are rounded such that back calculations of suppressed data are not possible. These proportions use Donahue population estimates from 2019. Note about Totals: The difference in the MA 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; the discrepancy is due to unknown races and small, compounded rounding.