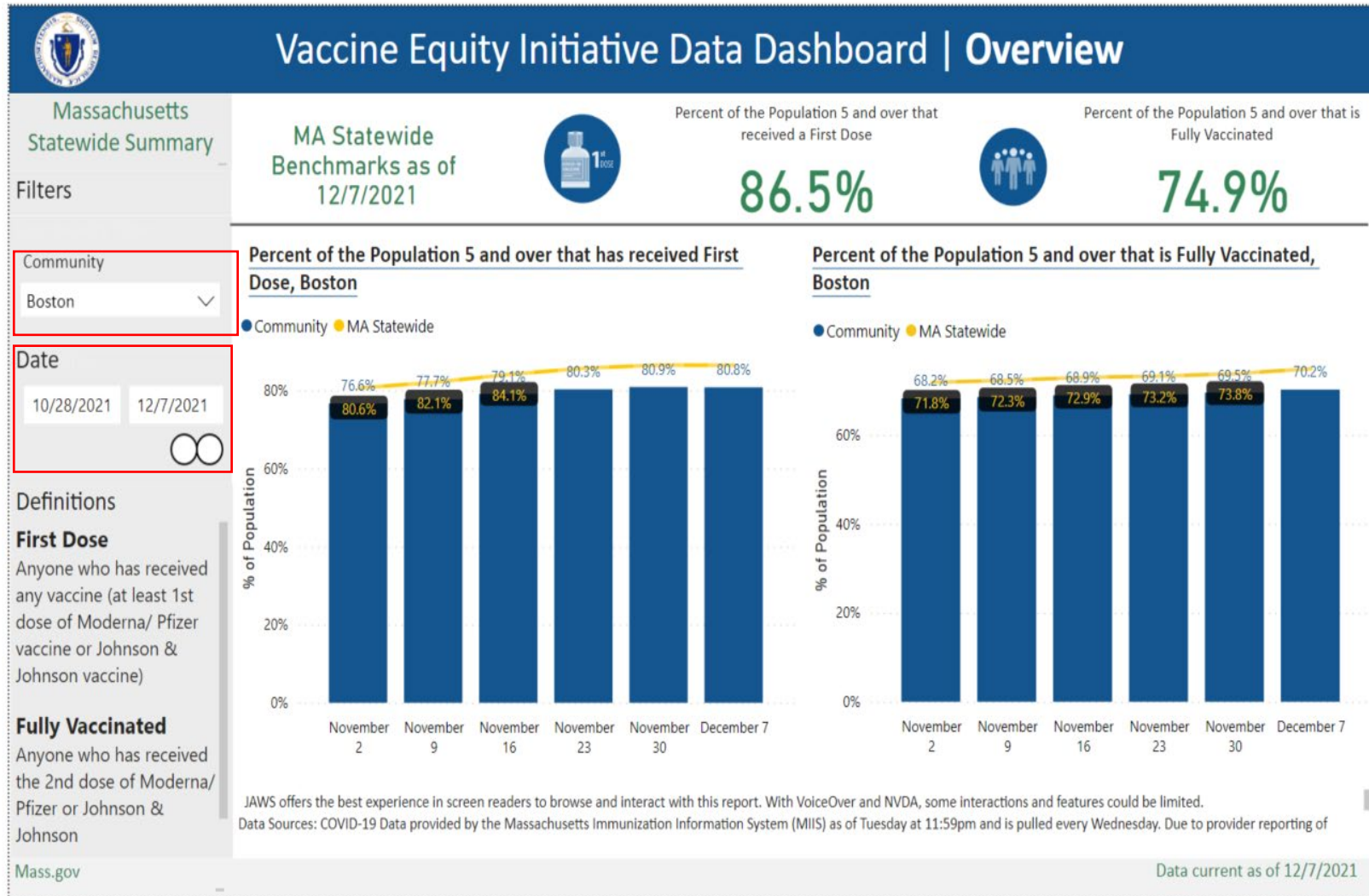


# Vaccine Equity Initiative: Interactive Dashboard User Guide

# Description of Dashboard

- A customized community data report provides access to weekly vaccination and COVID-19 incidence rates compared to the overall statewide rates. These data serve as benchmarks for the 20 prioritized communities in the Vaccine Equity Initiative (VEI).
- These data can help the 20 VEI communities to direct resources toward identified gaps to achieve the equity benchmarks in each community overall and for population subgroups defined by race/ethnicity, sex, and age. The data report, posted on Fridays, highlights rates that meet or exceed the statewide vaccination average to help the 20 VEI communities prioritize additional outreach/vaccines.
- Progress towards equity can be demonstrated when there is an increase in:
  1. The number of 20 VEI communities that received a First Dose or have been Fully Vaccinated – overall and within different race, sex and age groups – that meet or exceed the statewide rate.
  2. The decrease in COVID-19 Incidence rates in the 20 VEI communities as listed on the weekly COVID-19 statewide public health report.

# Overview Page



## Interactive Features

- Community Filter – Select any of the 20 VEI communities using the Community Filter
  - When Community filter is on “ALL”, or no community is selected then the data presented will be statewide rates for MA
- Trends Over Time – Toggle the date to see data from beginning of initiative (3/17/2021) to current/selected date

## Metrics

- Percent of Population 5 and over that received a First Dose
  - Community and MA statewide counts can be found if you hover over visual
- Percent of Population 5 and over that is Fully Vaccinated
  - Community and MA statewide counts can be found if you hover over visual

## Definitions

- Vaccination definitions for First Dose and Fully Vaccinated

# Demographic Page: Race/Ethnicity

## Interactive Features

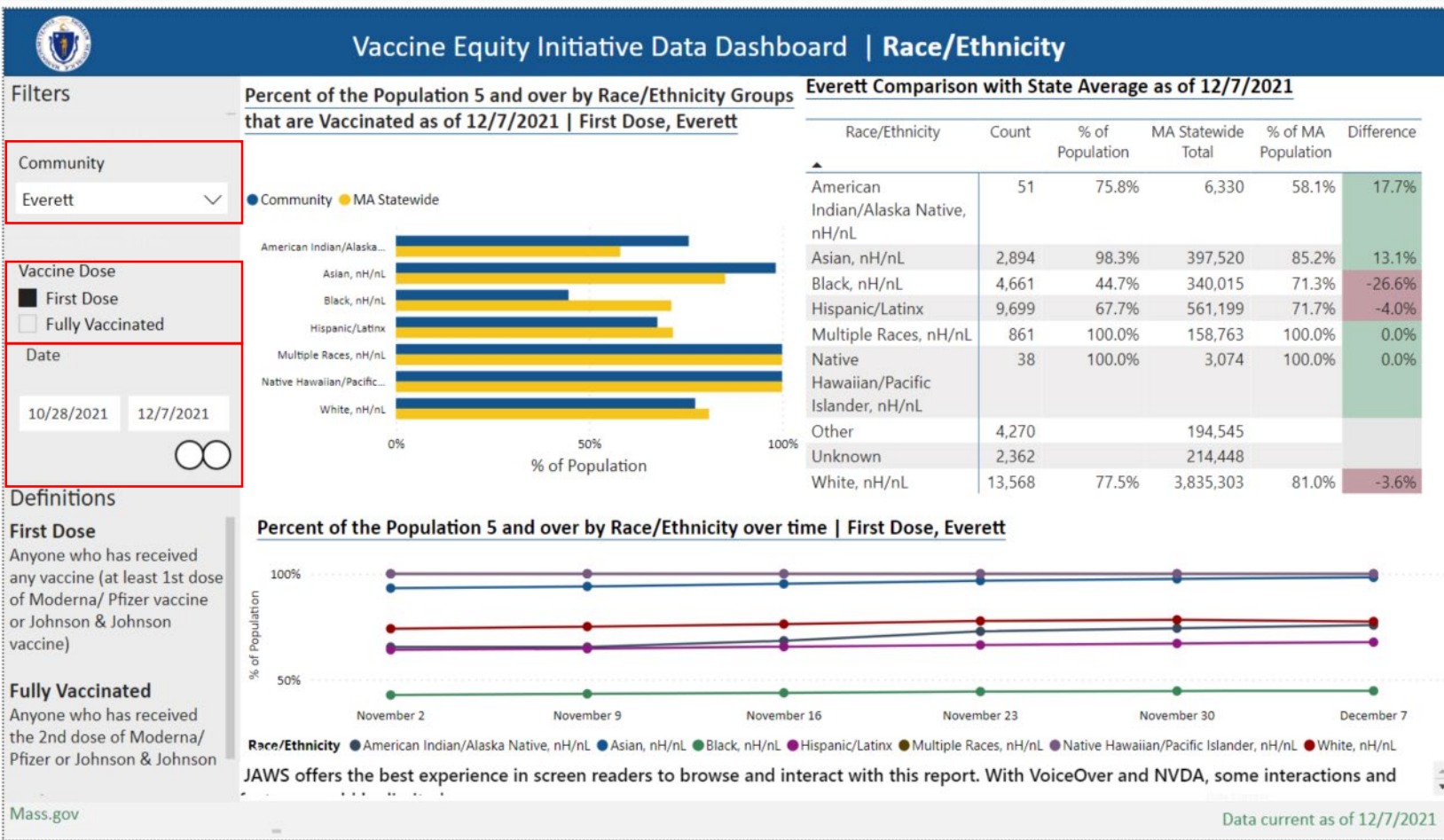
- Community Filter – Select any of the 20 VEI communities using the Community Filter
  - When Community filter is on “ALL”, or no community is selected then the data presented will be statewide rates for MA
- Vaccine Dose – select first dose or fully vaccinated
- Trends Over Time – Toggle the date to see data from beginning of initiative (3/17/2021) to current/selected date

## Metrics

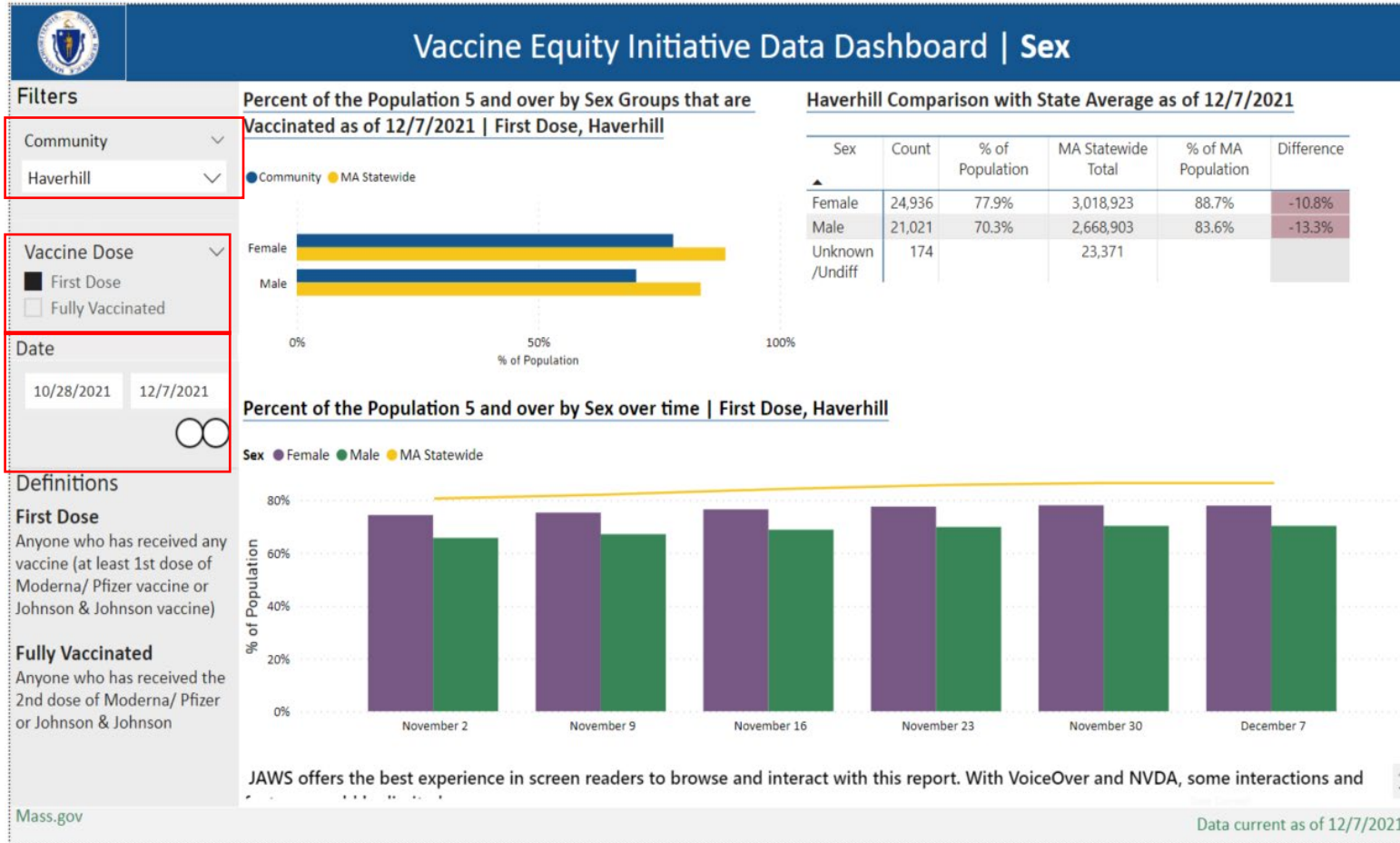
- Percent of Population 5 and over by Race/Ethnicity Group that received a First Dose
  - Community and MA statewide counts can be found if you hover over visual
- Percent of Population by Race/Ethnicity that is Fully Vaccinated
  - Community and MA statewide counts can be found if you hover over visual

## Definitions

- Vaccination definitions for First Dose and Fully Vaccinated



# Demographic Page: Sex



## Interactive Features

- Community Filter – Select any of the 20 VEI communities using the Community Filter
  - When Community filter is on “ALL”, or no community is selected then the data presented will be statewide rates for MA
- Vaccine Dose – select first dose or fully vaccinated
- Trends Over Time – Toggle the date to see data from beginning of initiative (3/17/2021) to current/selected date

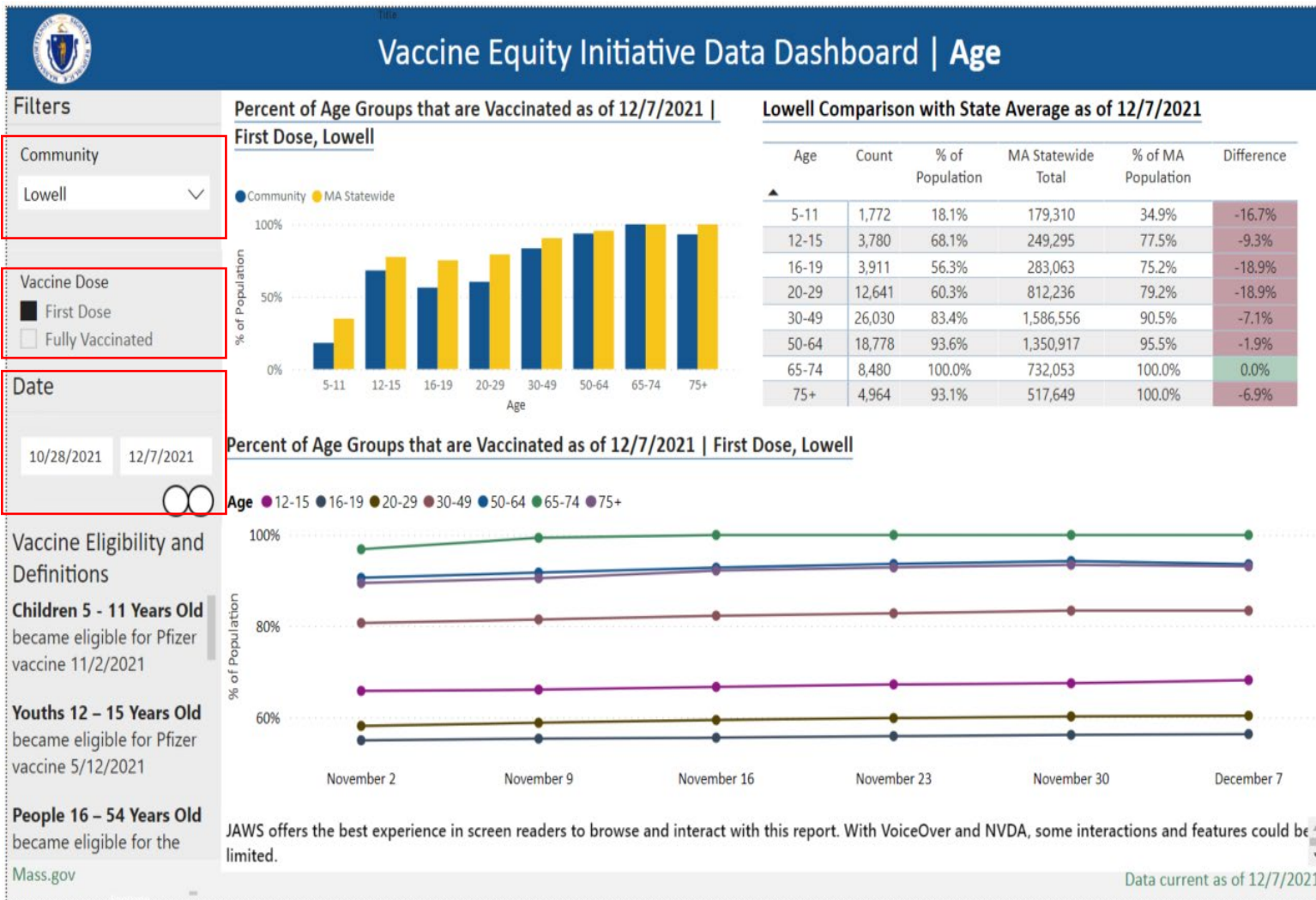
## Metrics

- Percent of Population 5 and over by Sex Group that received a First Dose
  - Community and MA statewide counts can be found if you hover over visual
- Percent of Population 5 and over by Sex that is Fully Vaccinated
  - Community and MA statewide counts can be found if you hover over visual

## Definitions

- Vaccination definitions for First Dose and Fully Vaccinated

# Demographic Page: Age



## Interactive Features

- Community Filter – Select any of the 20 VEI communities using the Community Filter
  - When Community filter is on “ALL”, or no community is selected then the data presented will be statewide rates for MA
- Vaccine Dose – select first dose or fully vaccinated
- Trends Over Time – Toggle the date to see data from beginning of initiative (3/17/2021) to current/selected date

## Metrics

- Percent of Population by Age Group that received a First Dose
  - Community and MA statewide counts can be found if you hover over visual
- Percent of Population by Age Group that is Fully Vaccinated
  - Community and MA statewide counts can be found if you hover over visual
- A more granular age breakdown
  - 5-11 years old
  - 12 – 15 years old
  - 16 – 19 years old
  - 20 – 29 years old
  - 30 – 49 years old
  - 50 – 64 years old
  - 65 – 74 years old
  - 75+ years old

## Vaccine Eligibility and Definitions

- A breakdown of when each age group became eligible for the vaccine
- Vaccination definitions for First Dose and Fully Vaccinated

# Community Summary Page



## Vaccine Equity Initiative Data Dashboard | Community Summary

Massachusetts  
Statewide  
Summary

Filters

Community

Boston

Vaccine Dose

First Dose

Fully Vaccinated

Definitions

**Booster**

Individuals considered eligible for a booster are those 12+ for the mRNA vaccines who were fully vaccinated at least 5 months ago and those 18+ who received a J&J dose at least 2 months ago

**First Dose**

Mass.gov

Race/Ethnicity	Population Count	Vaccination Rate	MA Statewide Vaccination Rate	Unvaccinated/Unreported
American Indian/Alaska Native, nH/nL	1,395	52.3%	63.3%	665
Asian, nH/nL	67,009	100.0%	95.5%	
Black, nH/nL	146,987	74.4%	79.7%	37,604
Hispanic/Latinx	127,181	80.1%	83.5%	25,287
Multiple Races, nH/nL	13,800	100.0%	100.0%	
Native Hawaiian/Pacific Islander, nH/nL	369	100.0%	100.0%	
White, nH/nL	295,753	77.3%	85.2%	67,275

Age	Population Count	Vaccination Rate	MA Statewide Vaccination Rate	Unvaccinated/Unreported
5-11	41,936	47.8%	53.7%	21,870
12-15	22,518	86.2%	85.1%	3,104
16-19	42,189	65.1%	83.4%	14,740
20-29	157,447	94.0%	89.4%	9,410
30-39	128,094	89.6%	98.2%	13,333
40-49	74,924	93.6%	94.5%	4,798
50-64	105,032	96.4%	99.1%	3,802
75+	33,362	97.4%	100.0%	857

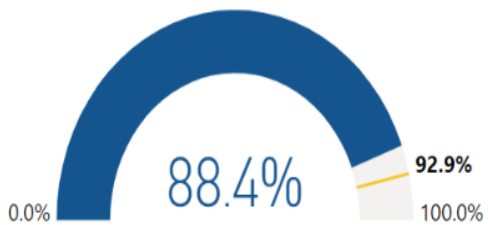
  

Sex	Population Count	Vaccination Rate	MA Statewide Vaccination Rate	Unvaccinated/Unreported
Female	342,894	89.2%	94.9%	37,197
Male	314,658	87.0%	90.0%	40,955
<b>Community Total</b>	<b>657,552</b>	<b>88.4%</b>	<b>92.9%</b>	

JAWS offers the best experience in screen readers to browse and interact with this report. With VoiceOver and NVDA, some interactions and features could be limited.

### Boston

Percent of the Population 5 and over | First Dose, Boston



Percent of Eligible Population with Booster, Boston

59.7%

Average Daily COVID-19 Incidence rate per 100K, Boston

34.3

Data current as of 2/22/2022

### Interactive Features

- Community Filter – able to select any of the 20 VEI communities using the Community Filter
  - When no community is selected the data presented will be MA State
- Vaccine Dose – select first dose or fully vaccinated

### Metrics

- Percent of Population 5 and over by Race/Ethnicity, Age and Sex that received a First Dose
- Percent of Population 5 and over by Race/Ethnicity, Age and Sex that is Fully Vaccinated
- Percent of the Eligible population with a booster for community
- Average Daily COVID-19 Incidence rate per 100k for community
- Gauge visual – allows community to see how they compare to moving statewide rate

### Vaccine Eligibility and Definitions

- Vaccination definitions for First Dose, Fully Vaccinated and Booster

# Background Page



## Vaccine Equity Initiative Data Dashboard | Background

Filter

Community

All

### Profile of Community by Race/Ethnicity

Race/Ethnicity	Count	% of Population
American Indian/Alaska Native, nH/nL	4,324	0.2%
Asian, nH/nL	177,520	8.1%
Black, nH/nL	366,680	16.7%
Hispanic/Latinx	614,778	27.9%
Multiple Races, nH/nL	52,798	2.4%
Native Hawaiian/Pacific Islander, nH/nL	913	0.0%
White, nH/nL	983,160	44.7%

### MA Statewide

### Profile of Massachusetts Population by Race/Ethnicity

Race/Ethnicity	Count	% of Population
American Indian/Alaska Native, nH/nL	11,644	0.2%
Asian, nH/nL	492,858	7.1%
Black, nH/nL	509,228	7.3%
Hispanic/Latinx	859,095	12.3%
Multiple Races, nH/nL	128,005	1.8%
Native Hawaiian/Pacific Islander, nH/nL	2,695	0.0%
White, nH/nL	4,955,521	71.2%

Footnote

An accessibility review of the dashboard conducted by the Executive Office of Technology Services and Security (EOTTS) is currently ongoing and DPH is implementing the required accessibility enhancements as they are identified.

## Interactive Features

- Community Filter – able to select any of the 20 VEI communities using the Community Filter

## Background

- Population estimates by Race/Ethnicity



# COVID-19 Case Counts & Rates Page

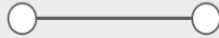


## Vaccine Equity Initiative Data Dashboard | COVID-19 Case Counts & Rates

Filter

Date

12/24/2020 7/22/2021



Definitions

City/Towns with highest burden

Decrease COVID-19 incidence in the City/Towns based on average daily incidence per 100,000 (weekly COVID-19 public health report)

	12/24/2020			07/22/2021		
Community	Case Count	Two Week Case Count	Average Daily Incidence Rate per 100,000	Case Count	Two Week Case Count	Average Daily Incidence Rate per 100,000
All of Massachusetts	322,652	61,603	63.2	667,341	2,581	2.6
Boston	36,686	5,732	59.1	71,493	364	3.8
Brockton	8,013	987	71.0	14,260	50	3.6
Chelsea	5,880	707	136.8	8,927	15	2.9
Everett	4,930	808	118.9	8,647	9	1.3
Fall River	7,079	1,296	103.6	14,385	47	3.8
Fitchburg	2,522	476	80.7	4,825	15	2.5
Framingham	4,681	723	69.4	8,377	16	1.5
Haverhill	4,217	901	97.6	8,371	22	2.4
Holyoke	2,770	414	72.8	5,745	9	1.6
Lawrence	12,568	2,116	172.3	20,426	42	3.4
Leominster	2,541	573	101.4	5,022	10	1.8
Lowell	9,844	1,966	120.9	17,733	41	2.5
Lynn	10,212	1,758	124.5	17,463	38	2.7
Malden	3,676	718	75.8	7,242	18	1.9
Methuen	4,154	909	120.6	7,683	20	2.7
New Bedford	6,943	1,413	100.9	14,955	76	5.4
Randolph	2,075	325	67.4	4,247	20	4.1
Revere	6,188	1,151	135.1	10,843	17	2.0
Springfield	10,159	1,837	84.0	22,405	131	6.0
Worcester	13,435	2,295	85.6	23,990	77	2.9

Footnote

An accessibility review of the dashboard conducted by the Executive Office of Technology Services and Security (EOTTS) is currently ongoing and DPH is implementing the required accessibility enhancements as they are identified.

Data Current

Data current as of 7/22/2021

### Interactive Features

- Date Filter – able to toggle the date to see data from 12/24/2020 to current/selected date

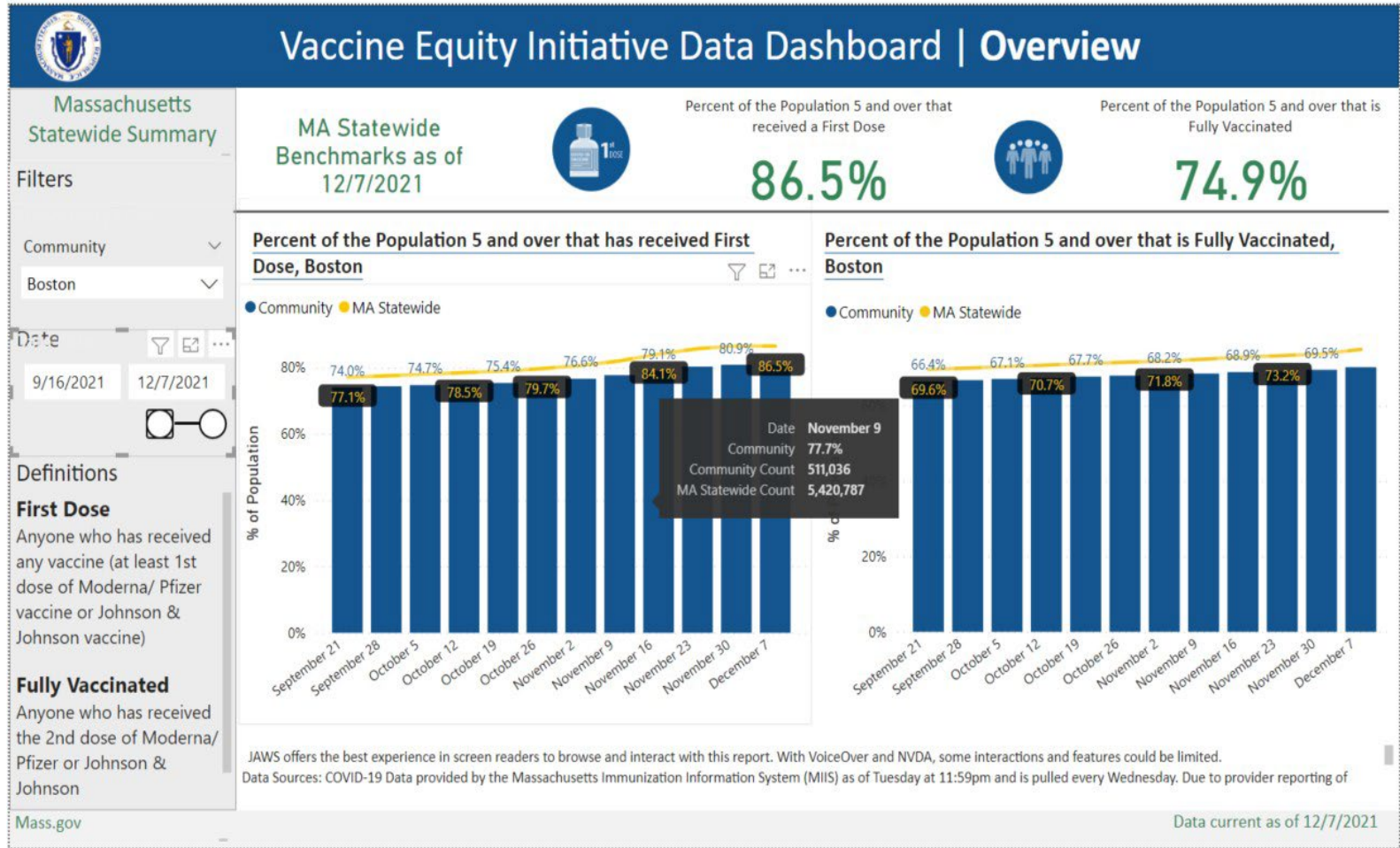
### Metrics

- COVID-19 Incidence

# Dashboard Features

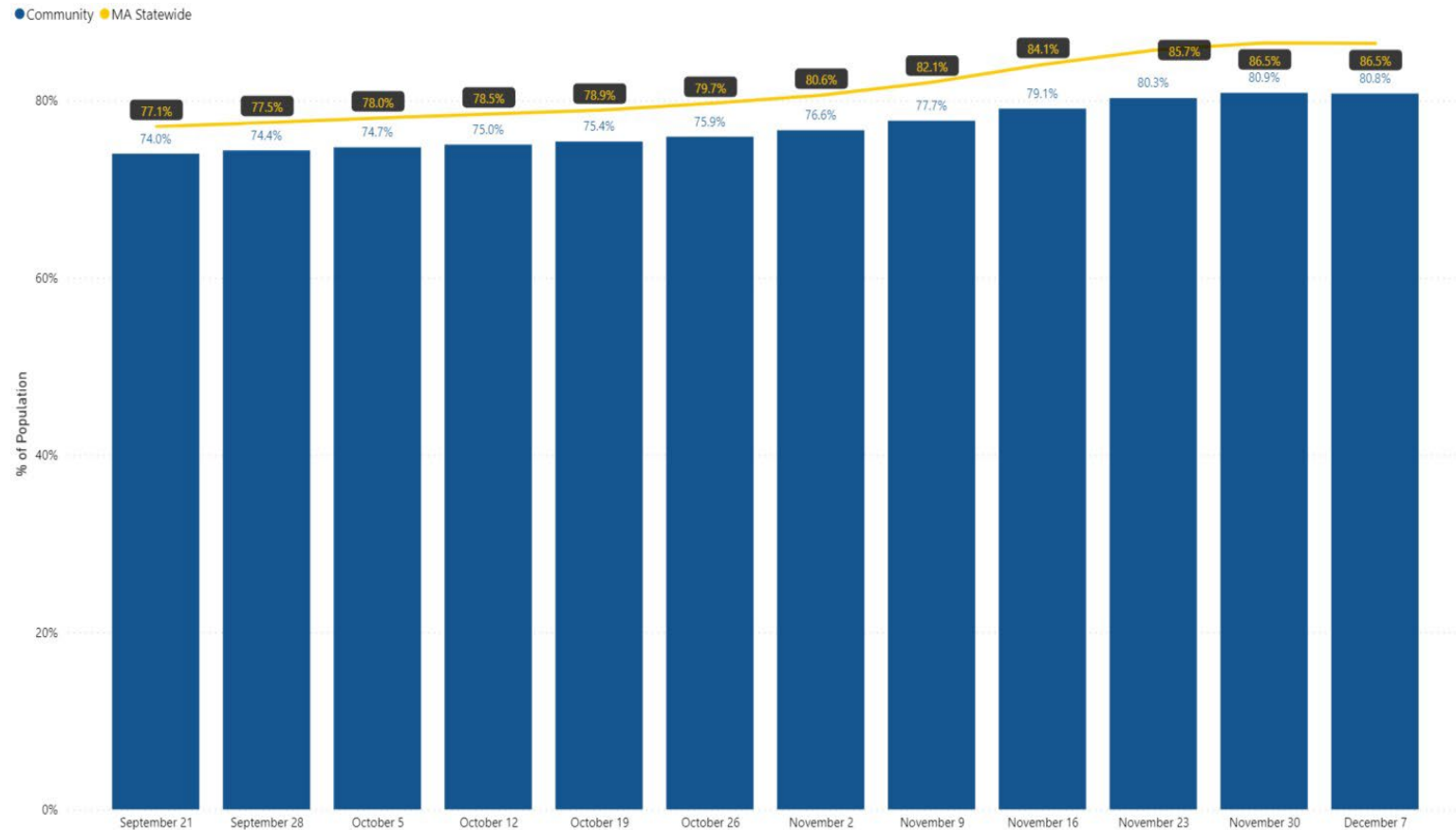
# Hover Function

Other informative data such as counts and date can be found if you hover over a visual



# Focus Function

To zoom in on a visual select the arrow button on the top right of the visual and it will enlarge the visual for you



# Benchmark Page



## Vaccine Equity Initiative Data Dashboard | Benchmarks

### Vaccine Administration

#### 1. The percentage that has received a First Dose and whether they have met or exceeded the overall statewide average

- The percentage of each **Age groups** that has received a **First Dose** of vaccine and whether they have met or exceeded the age - specific statewide averages for each age group.
- The percentage of each **Sex and Race/Ethnicity groups** that has received a **First Dose** of vaccine and whether they have met or exceeded the overall statewide average.

#### 2. The percentage that has been Fully Vaccinated and whether they have met or exceeded the statewide average

- The percentage of each **Age groups** that has been **Fully Vaccinated** and whether they have met or exceeded the age-specific statewide averages for each age group.
- The percentage of each **Sex and Race/Ethnicity groups** that has been **Fully Vaccinated** and whether they have met or exceeded the overall statewide average.

### Communities with highest COVID-19 burden

1. **Decrease COVID-19 Incidence in the City/Towns based on the average daily incidence per 100,000 (as published in the Daily Interactive COVID -19 dashboard).**

### Benchmarks

- Defines the benchmarks that are used in the report

# Resources Page



## Vaccine Equity Initiative Data Dashboard | Resources

### **COVID - 19 Community Impact Survey (CCIS)**

The COVID-19 Impact Survey (CCIS) was a survey done by Massachusetts Department of Public Health to learn more about the experiences of residents of Massachusetts during these challenging times. DPH sought to hear from people of color and other communities who have been historically under served who are being hurt the most during this public health emergency. To learn more about CCIS please follow this link: <https://www.mass.gov/info-details/covid-19-community-impact-survey>

### **Weekly COVID-19 Municipality Vaccination Data**

The Weekly COVID-19 Municipality Vaccination Data Report includes information by zip code and city/town on individuals who are vaccinated for COVID-19. This report also includes analysis broke down by Race/Ethnicity, Age and Sex. To review this report please follow this link: <https://www.mass.gov/info-details/massachusetts-covid-19-vaccination-data-and-updates#weekly-covid-19-municipality-vaccination-data->

### **Daily and Weekly COVID-19 Vaccine Reports**

The Daily and Weekly COVID-19 Vaccine Reports includes data on the vaccine doses shipped to MA, the number of vaccine doses administered, the number of people vaccinated, vaccine distribution by county, administration of vaccine by providers and a breakdown of those receiving the vaccine by Race/Ethnicity and Age. To learn more about the Daily and Weekly COVID-19 Vaccine Reports please follow this link: <https://www.mass.gov/info-details/massachusetts-covid-19-vaccination-data-and-updates>

### **COVID-19 Daily Dashboard**

The Daily Dashboard includes data on confirmed and probable cases, hospitalizations and death, clusters, isolation and quarantine data, contact tracing, specific metrics by city/town and cases by demographics (Race/Ethnicity, Age and Sex). To learn more about the COVID-19 Daily Dashboard please follow this link: <https://www.mass.gov/info-details/covid-19-response-reporting>

## What's New?

- Resources - provides links to other COVID-19 work that is being done throughout the department

# Footnote Page



## Vaccine Equity Initiative Data Dashboard | Footnotes

### Footnote for Every Page

An accessibility review of the dashboard conducted by the Executive Office of Technology Services and Security (EOTTS) is currently ongoing and DPH is implementing the required accessibility enhancements as they are identified. JAWS offers the best experience in screen readers to browse and interact with this report. With VoiceOver and NVDA, some interactions and features could be limited.

Data Sources: COVID-19 Data provided by 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. Data are current as of time of publication and may be subjected to change in future publications as additional data are reported. Tables and Figures created by the Office of Population Health.

Note: This does not include administered vaccines through Veterans Affairs (VA), Indian Health Services (IHS). This data includes nursing homes that have been vaccinated through Federal Pharmacy Partnership Program (FPPP), Long Term Care Facilities, and Correctional Facilities.

### Footnote for Race/Ethnicity, Sex and Age Pages

Percentages may be slightly off compared to PDF reports due to rounding.

For populations <50,000 dose counts, 1-29 cases are reported as such or are suppressed for confidentiality purposes. Percentages are not calculated for suppressed counts. Percentages are not calculated for Other and Unknown denominators. Population percentages at 100% can represent 100% or more than 100%, this is due to differences in data sources for population denominators and vaccination data.

\*Other includes individuals that are reported as Other. Some large vaccination sites report race/ethnicity as "Other."

For Missing Data - 1. Information on race and ethnicity is collected and reported by laboratories, healthcare providers and local boards of health and may or may not reflect self-report by the individual case. 2. If no information is provided by any reporter on a case's race or ethnicity, DPH classifies it as missing. 3. A classification of unknown indicates the reporter did not know the race and ethnicity of the individual, the individual refused to provide information, or that the originating system does not capture the information.

### Footnote for Background Page

Population percentage calculations provided by UMass Donahue Inst. based on Strate S, et al. Small Area Population Estimates for 2011 through 2020, published March 2020 (original report published Oct 2016) Percentages for Other and Unknown were not calculated due to unknown denominators.

### Footnote for COVID-19 Case Counts and Rates Page

Data Sources: COVID-19 Data provided by the Bureau of Infectious Disease and Laboratory Sciences; Tables and Figures created by the Office of Population Health.

Data from MA weekly vaccination dashboard, <https://www.mass.gov/info-details/massachusetts-covid-19-vaccination-data-and-updates#weekly-covid-19-vaccination-dashboard>.

## What's New?

- Footnotes – easy access to the footnotes that are throughout the dashboard