



# VACCINATION DATA REPORT

## FRAMINGHAM

# Framingham – Benchmarks



## Vaccine Administration

1. **The per-capita dose administration rate (total doses) in Framingham and whether they have met or exceeded the statewide rate**
2. **The percentage of Framingham that has received a First Dose and whether they have met or exceeded the overall statewide average**
  1. 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.
  2. The percentage of each **Race/Ethnicity groups and Sex** that has received a **first dose** of vaccine and whether they have met or exceeded the overall statewide average.
3. **The percentage of Framingham that has been Partially and Fully Vaccinated and whether they have met or exceeded the state averages**
  1. The percentage of each **Age groups** that has been **partially and fully vaccinated** and whether they have met or exceeded the **age-specific statewide averages** for Age group.
  2. The percentage of each **Race/Ethnicity groups and Sex** that has been **partially and fully vaccinated** and whether they have met or exceeded the overall state averages.

## Communities with highest COVID – 19 burden

1. **Decrease risk levels from red towards grey in Framingham based on the average daily incidence per 100,000 (as published in the weekly COVID-19 public health report).**



# Vaccination Definitions

First Dose– Anyone who has received any vaccine (1<sup>st</sup> dose of Moderna/Pfizer vaccine or Johnson & Johnson vaccine)

Partially Vaccinated – Anyone who has received only the 1<sup>st</sup> dose of Moderna/Pfizer vaccine

Fully Vaccinated – Anyone who has received the 2<sup>nd</sup> dose of Moderna/Pfizer or Johnson & Johnson Vaccine



# VACCINE ADMINISTRATION

# Total Doses and Dose Administration Rate/100,000 Population for Framingham Compared to Statewide as of 3/24/2021



## Vaccine Administration Benchmark

- Per-capita dose administration rate for Framingham compared to the overall state rate of **44,212.8 per 100,000**.
- Framingham has not met or exceeded the overall state average.

<b>Community</b>	<b><u>Total Doses Administered</u></b>	<b><u>Administered Rate per 100K*</u></b>
<b>Framingham</b>	32,289	43,400.5
<b>MA Statewide</b>	3,079,149	44,212.8

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 Current as of 3/24/2021

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.

# Count and Percentage of Population for First Dose, Partially, and Fully Vaccinated for Framingham Compared to Statewide as of 3/24/2021



## Vaccine Administration Benchmark

- Percentage of Framingham that has received a **First Dose** of vaccine and whether the community has met or exceeded the statewide average of **29.0%**.
- Percentage of Framingham that is **Partially Vaccinated** and whether they have met or exceeded the state average of **12.7%**.
- The percentage of Framingham that is **Fully Vaccinated** and whether they have met or exceeded the state average of **16.3%**.
- Framingham has not met or exceeded the overall state averages in any of the three metrics

Community	<u>First Dose</u> <sup>^</sup>	% of city/town population with First Dose	Difference from state average
<b>Framingham</b>	21,127	28.4%	-0.6%
<b>MA Statewide</b>	2,018,897	29.0%	0.0%

Community	<u>Partially Vaccinated</u> <sup>^^</sup>	% of Community population Partially Vaccinated	Difference from state average	<u>Fully Vaccinated</u> <sup>^^^</sup>	% of community population Fully Vaccinated	Difference from state average
<b>Framingham</b>	9,288	12.5%	-0.2%	11,839	15.9%	-0.4%
<b>MA Statewide</b>	882,164	12.7%	0.0%	1,136,733	16.3%	0.0%

<sup>^</sup>First Dose: Anyone who has received any vaccine (1<sup>st</sup> dose of Moderna/Pfizer vaccine or Johnson & Johnson vaccine)

<sup>^^</sup>Partially Vaccinated: Anyone who has received only the 1<sup>st</sup> dose of Moderna/Pfizer vaccine

<sup>^^^</sup>Fully Vaccinated: Anyone who has received the 2<sup>nd</sup> dose of Moderna/Pfizer or Johnson & Johnson Vaccine

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 Current as of 3/24/2021

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.



# FIRST DOSE

Anyone who has received any vaccine (1<sup>st</sup> dose of Moderna/Pfizer vaccine or Johnson & Johnson vaccine)

# Counts and Percentages of Population with a First Dose by Demographics for Framingham Compared to Statewide as of 3/24/2021 contd.



## Vaccine Administration Benchmark

- Percentage by **Age Group** with a **first dose** and whether they have met or exceeded the statewide age-specific group average of:
  - 19.7%** for ages 0-64
  - 70.7%** for ages 65-74
  - 80.2%** for ages 75+
- Groups that have met or exceeded the overall statewide average are shaded darker.

Community	Age					
	<u>0-64</u>		<u>65-74</u>		<u>75+</u>	
	Count	% of 0-64 Population	Count	% of 65-74 Population	Count	% of 75+ Population
<b>Framingham</b>	12,388	19.7%	4,660	75.8%	4,079	75.0%
<b>MA Statewide</b>	1,140,858	19.7%	482,427	70.7%	395,612	80.2%

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.

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.

Data Current as of 3/24/2021

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.



# Counts and Percentages of Population with a First Dose by Demographics for Framingham Compared to Statewide as of 3/24/2021



## Vaccine Administration Benchmark

- The percentage of **Race/Ethnicity groups and Sex** that have received a **first dose** of vaccine and whether they have met or exceeded the overall state average of **29.0%**.
- Groups that have met or exceeded the overall statewide average are shaded darker.

Community	Sex				
	Female		Male		Unknown/ Undifferentiated
	Count	% of Female Population	Count	% of Male Population	Count
<b>Framingham</b>	12,108	31.9%	8,841	24.3%	178
<b>MA Statewide</b>	1,187,876	33.2%	797,133	23.6%	33,888

Community	Race/ Ethnicity															
	American Indian/ Alaska Native, NH		Asian, NH		Black, NH		Hispanic		Multi, NH		Native Hawaiian /Pacific Islander, NH		White, NH		Other*	Missing /Unkno wn**
	Count	% of AI/AN, NH Population	Count	% of Asian, NH Population	Count	% of Black, NH Population	Count	% of Hispanic Population	Count	% of Multi, NH Population	Count	% of NH/PI, NH Population	Count	% of White, NH Population	Count	Count
<b>Framingham</b>	---	---	909	14.0%	888	20.7%	1,704	14.2%	570	12.6%	---	---	13,892	29.2%	1,191	1,946
<b>MA Statewide</b>	1,815	15.6%	86,706	17.6%	99,106	19.5%	103,648	12.1%	34,005	26.6%	1,051	39.0%	1,459,290	29.4%	95,299	137,977

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.  
 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.  
 Data Current as of 3/24/2021

\*Other includes individuals that are reported as Other. Some large vaccination sites report race/ethnicity as "Other." \*\*Missing/Unknown is defined on page 16.

NH = Non – Hispanic; 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.



# PARTIALLY VACCINATED

Anyone who has received only the 1<sup>st</sup> dose of Moderna/Pfizer vaccine

# Counts and Percentages of Population Partially Vaccinated by Demographics for Framingham Compared to Statewide as of 3/24/2021 contd.



## Vaccine Administration Benchmark

- Percentage by **Age Group** who are **partially vaccinated** and whether they have met or exceeded the statewide age-specific group average of:
  - 9.2%** for ages **0-64**
  - 40.1%** for ages **65-74**
  - 15.8%** for ages **75+**
- Groups that have met or exceeded the overall statewide average are shaded darker.

Community	Age					
	<u>0-64</u>		<u>65-74</u>		<u>75+</u>	
	Count	% of 0-64 Population	Count	% of 65-74 Population	Count	% of 75+ Population
<b>Framingham</b>	5,826	9.3%	2,700	43.9%	762	14.0%
<b>MA Statewide</b>	530,568	9.2%	273,672	40.1%	77,924	15.8%

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.  
 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.  
 Data Current as of 3/24/2021  
 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.

# Counts and Percentages of Population Partially Vaccinated by Demographics for Framingham Compared to Statewide as of 3/24/2021



## Vaccine Administration Benchmark

- Percentage of **Race/Ethnicity groups and Sex** that have been **partially vaccinated** and whether they have met or exceeded the overall state average of **12.7%**.
- Groups that have met or exceeded the overall statewide average are shaded darker.

Community	Sex				
	Female		Male		Unknown/ Undifferentiated
	Count	% of Female Population	Count	% of Male Population	Count
<b>Framingham</b>	5,204	13.7%	3,962	10.9%	122
<b>MA Statewide</b>	496,255	13.9%	368,336	10.9%	17,573

Community	Race/ Ethnicity															
	American Indian/ Alaska Native, NH		Asian, NH		Black, NH		Hispanic		Multi, NH		Native Hawaiian /Pacific Islander, NH		White, NH		Other*	Missing/Unknown**
	Count	% of AI/AN, NH Population	Count	% of Asian, NH Population	Count	% of Black, NH Population	Count	% of Hispanic Population	Count	% of Multi, NH Population	Count	% of NH/PI, NH Population	Count	% of White, NH Population	Count	Count
<b>Framingham</b>	---	---	414	6.4%	351	8.2%	972	8.1%	259	5.7%	---	---	6,082	12.8%	443	759
<b>MA Statewide</b>	832	7.1%	38,536	7.8%	41,874	8.2%	51,123	6.0%	14,104	11.0%	419	15.5%	637,056	12.9%	30,046	68,174

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.  
 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.  
 Data Current as of 3/24/2021  
 \*Other includes individuals that are reported as Other. Some large vaccination sites report race/ethnicity as "Other." \*\*Missing/Unknown is defined on page 16.  
 NH = Non – Hispanic; 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.



# FULLY VACCINATED

Anyone who has received the 2<sup>nd</sup> dose of Moderna/Pfizer or Johnson & Johnson Vaccine

# Counts and Percentages of Population Fully Vaccinated by Demographics for Framingham Compared to Statewide as of 3/24/2021 contd.



## Vaccine Administration Benchmark

- Percentage by **Age Group** who are **fully vaccinated** and whether they have met or exceeded the statewide age-specific group average of:
  - 10.5%** for ages 0-64
  - 30.6%** for ages 65-74
  - 64.4%** for ages 75+
- Groups that have met or exceeded the overall statewide average are shaded darker.

Community	Age					
	<u>0-64</u>		<u>65-74</u>		<u>75+</u>	
	Count	% of 0-64 Population	Count	% of 65-74 Population	Count	% of 75+ Population
<b>Framingham</b>	6,562	10.4%	1,960	31.9%	3,317	60.9%
<b>MA Statewide</b>	610,290	10.5%	208,755	30.6%	317,688	64.4%

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.

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.

Data Current as of 3/24/2021

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.

# Counts and Percentages of Population Fully Vaccinated by Demographics for Framingham Compared to Statewide as of 3/24/2021



## Vaccine Administration Benchmark

- Percentage of **Race/Ethnicity groups and Sex** that have been **fully vaccinated** and whether they have met or exceeded the overall state average of **16.3%**.
- Groups that have met or exceeded the overall statewide average are shaded darker.

Community	Sex				
	Female		Male		Unknown/ Undifferentiated
	Count	% of Female Population	Count	% of Male Population	
<b>Framingham</b>	6,904	18.2%	4,879	13.4%	56
<b>MA Statewide</b>	691,621	19.3%	428,797	12.7%	16,315

Community	Race/ Ethnicity															
	American Indian/ Alaska Native, NH		Asian, NH		Black, NH		Hispanic		Multi, NH		Native Hawaiian /Pacific Islander, NH		White, NH		Other*	Missing/Unknown**
	Count	% of AI/AN, NH Population	Count	% of Asian, NH Population	Count	% of Black, NH Population	Count	% of Hispanic Population	Count	% of Multi, NH Population	Count	% of NH/PI, NH Population	Count	% of White, NH Population	Count	Count
<b>Framingham</b>	---	---	495	7.6%	537	12.5%	732	6.1%	311	6.9%	---	---	7,810	16.4%	748	1,187
<b>MA Statewide</b>	983	8.4%	48,170	9.8%	57,232	11.2%	52,525	6.1%	19,901	15.5%	632	23.5%	822,234	16.6%	65,253	69,803

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.  
 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.  
 Data Current as of 3/24/2021

\*Other includes individuals that are reported as Other. Some large vaccination sites report race/ethnicity as "Other." \*\*Missing/Unknown is defined on page 16.

NH = Non – Hispanic; 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.

# Missing Race/Ethnicity Count and Percentage of Population Vaccinated for Framingham Compared to Statewide as of 3/24/2021



Community	Missing First Dose Count	Of those with First Dose Vaccine, Percent Missing	Missing Partially Vaccinated Count	Of those with Partially Vaccinated, Percent Missing	Missing Fully Vaccinated Count	Of those Fully Vaccinated, Percent Missing
<b>Framingham</b>	1,946	<b>9.2%</b>	759	<b>8.2%</b>	1,187	<b>10.0%</b>
<b>MA Statewide</b>	137,977	<b>6.8%</b>	68,174	<b>7.7%</b>	69,803	<b>6.1%</b>

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.

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 Current as of 3/24/2021

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.





# CITY/TOWN COVID-19 BURDEN

# COVID-19 Case Counts and Rates for 20 Prioritized Communities



## City/Towns with highest burden

- Decrease risk levels from red towards grey in the City/Towns with highest COVID risk based on average daily incidence per 100,000 (weekly COVID-19 public health report)

Community	Total Case Counts (12/24/2020)	Two Week Case Counts (12/24/2020)	Average Daily Incidence Rate per 100,000 (12/24/2020)	Total Case Counts (3/25/2021)	Two Week Case Counts (3/25/2021)	Average Daily Incidence Rate per 100,000 (3/25/2021)
Boston	36,686	5,732	59.1	62,427	2,197	22.6
Brockton	8,013	987	71.0	12,469	338	24.3
Chelsea	5,880	707	136.8	8,227	111	21.5
Everett	4,930	808	118.9	7,938	239	35.2
Fall River	7,079	1,296	103.6	12,782	338	27.0
Fitchburg	2,522	476	80.7	4,293	117	19.8
Framingham	4,681	723	69.4	7,376	330	31.7
Haverhill	4,217	901	97.6	7,326	229	24.8
Holyoke	2,770	414	72.8	4,904	153	26.9
Lawrence	12,568	2,116	172.3	18,367	320	26.1
Leominster	2,541	573	101.4	4,584	104	18.4
Lowell	9,844	1,966	120.9	15,249	498	30.6
Lynn	10,212	1,758	124.5	15,896	417	29.5
Malden	3,676	718	75.8	6,417	262	27.7
Methuen	4,154	909	120.6	6,803	218	28.9
New Bedford	6,943	1,413	100.9	12,905	307	21.9
Randolph	2,075	325	67.4	3,721	111	23.0
Revere	6,188	1,151	135.1	9,848	238	27.9
Springfield	10,159	1,837	84.0	18,675	600	27.4
Worcester	13,435	2,295	85.6	21,618	486	18.1
MA Statewide	322,652	61,603	63.2	584,024	20,975	21.5

Average Daily Incidence Rate per 100,000 Color Calculations

Group	Population		
	Under 10K	10K-50K	Over 50K
Grey	Less than or equal to 10 total cases	Less than or equal to 10 total cases	Less than or equal to 15 total cases
Green	Less than or equal to 15 total cases	<10 avg cases/100k AND >10 total cases	<10 avg cases/100k AND >15 total cases
Yellow	Less than or equal to 25 total cases	≥10 avg cases/100k OR ≥5% pos rate	≥10 avg cases/100k OR ≥ 4% pos rate
Red	More than 25 total cases	≥10 avg cases/100k AND ≥5% pos rate	≥10 avg cases/100k AND ≥4% pos rate

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 Current as of 3/23/2021 from MA weekly vaccination dashboard, <https://www.mass.gov/info-details/massachusetts-covid-19-vaccination-data-and-updates#weekly-covid-19-vaccination-dashboard>.



# BACKGROUND

# Profile of Framingham by Race/Ethnicity



Community	Race/Ethnicity														
	Total Population	American Indian/Alaskan Native, NH	% of Population	Asian, NH	% of Population	Black, NH	% of Population	Hispanic	% of Population	Multi, NH	% of Population	Native Hawaiian/Pacific Islander, NH	% of Population	White, NH	% of Population
<b>Framingham</b>	74,398	161	0.2%	6,473	8.7%	4,297	5.8%	11,996	16.1%	4,525	6.1%	27	<0.1%	47,521	63.9%
<b>MA Statewide</b>	6,964,383	11,644	<b>0.2%</b>	492,858	<b>7.1%</b>	509,228	<b>7.3%</b>	859,095	<b>12.3%</b>	128,005	<b>1.8%</b>	2,695	<b>&lt;0.1%</b>	4,955,521	<b>71.2%</b>

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.  
 NH = Non – Hispanic