



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 (1st dose of Moderna/Pfizer vaccine or Johnson & Johnson vaccine)

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

Fully Vaccinated – Anyone who has received the 2nd 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 3/31/2021



Vaccine Administration Benchmark

- Per-capita dose administration rate for Framingham compared to the overall state rate of **51,041.3 per 100,000**.
- Framingham has not met or exceeded the overall state average.

| Community | <u>Total Doses Administered</u> | <u>Administered Rate per 100K*</u> |
|---------------------|--|---|
| Framingham | 37,301 | 50,137.3 |
| MA Statewide | 3,554,711 | 51,041.3 |

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 3/31/2021

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 3/31/2021



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 **33.1%**.
- Percentage of Framingham that is **Partially Vaccinated** and whether they have met or exceeded the state average of **13.9%**.
- The percentage of Framingham that is **Fully Vaccinated** and whether they have met or exceeded the state average of **19.2%**.
- Framingham has met or exceeded the overall state averages in one of the three metrics

| Community | <u>First Dose</u> [^] | % of city/town population with First Dose | Difference from state average |
|---------------------|--------------------------------|---|-------------------------------|
| Framingham | 24,353 | 32.7% | -0.4% |
| MA Statewide | 2,307,045 | 33.1% | 0.0% |

| Community | <u>Partially Vaccinated</u> ^{^^} | % of Community population Partially Vaccinated | Difference from state average | <u>Fully Vaccinated</u> ^{^^^} | % of community population Fully Vaccinated | Difference from state average |
|---------------------|---|--|-------------------------------|--|--|-------------------------------|
| Framingham | 10,687 | 14.4% | 0.5% | 13,666 | 18.4% | -0.8% |
| MA Statewide | 971,336 | 13.9% | 0.0% | 1,335,709 | 19.2% | 0.0% |

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

^{^^}Partially Vaccinated: Anyone who has received only the 1st dose of Moderna/Pfizer vaccine

^{^^^}Fully Vaccinated: Anyone who has received the 2nd 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 3/31/2021

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 (1st 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 3/31/2021 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:
 - 23.9%** for ages 0-64
 - 76.3%** for ages 65-74
 - 82.0%** 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 |
| Framingham | 15,153 | 24.1% | 5,017 | 81.6% | 4,183 | 76.9% |
| MA Statewide | 1,381,652 | 23.9% | 520,755 | 76.3% | 404,638 | 82.0% |

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 3/31/2021

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 3/31/2021



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 **33.1%**.
- 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 |
| Framingham | 13,848 | 36.5% | 10,310 | 28.3% | 195 |
| MA Statewide | 1,340,858 | 37.4% | 932,192 | 27.6% | 33,995 |

| Community | Race/ Ethnicity | | | | | | | | | | | | | | | |
|---------------------|---------------------------------------|------------------------------|-----------|------------------------------|-----------|------------------------------|----------|-----------------------------|-----------|---------------------------------|--|---------------------------------|-----------|---------------------------------|---------|--------------------------|
| | American Indian/ Alaska Native, NH | | Asian, NH | | Black, NH | | Hispanic | | Multi, NH | | Native Hawaiian /Pacific Islander, NH | | White, NH | | Other* | Missin g/Unk nown* |
| | 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 |
| Framingham | --- | --- | 1,102 | 17.0% | 995 | 23.2% | 2,317 | 19.3% | 674 | 14.9% | --- | --- | 15,829 | 33.3% | 1,321 | 2,084 |
| MA Statewide | 2,098 | 18.0% | 104,973 | 21.3% | 113,614 | 22.3% | 127,540 | 14.8% | 40,055 | 31.3% | 1,214 | 45.0% | 1,668,492 | 33.7% | 103,325 | 145,734 |

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 3/31/2021

*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 1st dose of Moderna/Pfizer vaccine

Counts and Percentages of Population Partially Vaccinated by Demographics for Framingham Compared to Statewide as of 3/31/2021 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:
 - 11.8%** for ages **0-64**
 - 31.6%** for ages **65-74**
 - 14.7%** 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 |
| Framingham | 7,782 | 12.4% | 2,164 | 35.2% | 741 | 13.6% |
| MA Statewide | 682,915 | 11.8% | 215,739 | 31.6% | 72,682 | 14.7% |

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 3/31/2021
 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 3/31/2021



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 **13.9%**.
- 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 |
| Framingham | 5,933 | 15.6% | 4,618 | 12.7% | 136 |
| MA Statewide | 538,957 | 15.0% | 415,604 | 12.3% | 16,775 |

| 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 |
| Framingham | --- | --- | 502 | 7.8% | 407 | 9.5% | 1,439 | 12.0% | 289 | 6.4% | --- | --- | 6,635 | 14.0% | 547 | 858 |
| MA Statewide | 965 | 8.3% | 48,242 | 9.8% | 47,439 | 9.3% | 63,618 | 7.4% | 16,363 | 12.8% | 493 | 18.3% | 690,849 | 13.9% | 34,237 | 69,130 |

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 3/31/2021

*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 2nd dose of Moderna/Pfizer or Johnson & Johnson Vaccine

Counts and Percentages of Population Fully Vaccinated by Demographics for Framingham Compared to Statewide as of 3/31/2021 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:
 - 12.1%** for ages 0-64
 - 44.7%** for ages 65-74
 - 67.3%** 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 |
| Framingham | 7,371 | 11.7% | 2,853 | 46.4% | 3,442 | 63.2% |
| MA Statewide | 698,737 | 12.1% | 305,016 | 44.7% | 331,956 | 67.3% |

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 3/31/2021

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 3/31/2021



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 **19.2%**.
- 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 | |
| Framingham | 7,915 | 20.9% | 5,692 | 15.6% | 59 |
| MA Statewide | 801,901 | 22.4% | 516,588 | 15.3% | 17,220 |

| 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 |
| Framingham | --- | --- | 600 | 9.3% | 588 | 13.7% | 878 | 7.3% | 385 | 8.5% | --- | --- | 9,194 | 19.3% | 774 | 1,226 |
| MA Statewide | 1,133 | 9.7% | 56,731 | 11.5% | 66,175 | 13.0% | 63,922 | 7.4% | 23,692 | 18.5% | 721 | 26.8% | 977,643 | 19.7% | 69,088 | 76,604 |

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 3/31/2021

*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 3/31/2021



| 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 |
|---------------------|--------------------------|---|------------------------------------|---|--------------------------------|--|
| Framingham | 2,084 | 8.6% | 858 | 8.0% | 1,226 | 9.0% |
| MA Statewide | 145,734 | 6.3% | 69,130 | 7.1% | 76,604 | 5.7% |

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 3/31/2021

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 (4/1/2021) | Two Week Case Counts (4/1/2021) | Average Daily Incidence Rate per 100,000 (4/1/2021) |
|--------------|--------------------------------|-----------------------------------|---|------------------------------|---------------------------------|---|
| Boston | 36,686 | 5,732 | 59.1 | 64,123 | 2,804 | 28.9 |
| Brockton | 8,013 | 987 | 71.0 | 12,672 | 392 | 28.2 |
| Chelsea | 5,880 | 707 | 136.8 | 8,288 | 121 | 23.4 |
| Everett | 4,930 | 808 | 118.9 | 8,055 | 250 | 36.8 |
| Fall River | 7,079 | 1,296 | 103.6 | 13,052 | 451 | 36.1 |
| Fitchburg | 2,522 | 476 | 80.7 | 4,352 | 109 | 18.5 |
| Framingham | 4,681 | 723 | 69.4 | 7,600 | 416 | 39.9 |
| Haverhill | 4,217 | 901 | 97.6 | 7,424 | 210 | 22.7 |
| Holyoke | 2,770 | 414 | 72.8 | 5,040 | 211 | 37.1 |
| Lawrence | 12,568 | 2,116 | 172.3 | 18,626 | 402 | 32.7 |
| Leominster | 2,541 | 573 | 101.4 | 4,644 | 103 | 18.2 |
| Lowell | 9,844 | 1,966 | 120.9 | 15,700 | 707 | 43.5 |
| Lynn | 10,212 | 1,758 | 124.5 | 16,171 | 493 | 34.9 |
| Malden | 3,676 | 718 | 75.8 | 6,569 | 281 | 29.7 |
| Methuen | 4,154 | 909 | 120.6 | 6,923 | 217 | 28.8 |
| New Bedford | 6,943 | 1,413 | 100.9 | 13,134 | 440 | 31.4 |
| Randolph | 2,075 | 325 | 67.4 | 3,801 | 135 | 28.0 |
| Revere | 6,188 | 1,151 | 135.1 | 10,002 | 264 | 31.0 |
| Springfield | 10,159 | 1,837 | 84.0 | 19,194 | 813 | 37.2 |
| Worcester | 13,435 | 2,295 | 85.6 | 21,909 | 473 | 17.6 |
| MA Statewide | 322,652 | 61,603 | 63.2 | 598,177 | 24,984 | 25.6 |

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 3/30/2021 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 |
| Framingham | 74,398 | 161 | 0.2% | 6,473 | 8.7% | 4,297 | 5.8% | 11,996 | 16.1% | 4,525 | 6.1% | --- | --- | 47,521 | 63.9% |
| MA Statewide | 6,964,383 | 11,644 | 0.2% | 492,858 | 7.1% | 509,228 | 7.3% | 859,095 | 12.3% | 128,005 | 1.8% | 2,695 | <0.1% | 4,955,521 | 71.2% |

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