VACCINATION DATA REPORT
Lawrence
Friday, July 9, 2021

Lawrence - Benchmarks

Vaccine Administration

1. The per-capita dose administration rate (total doses) in Lawrence and whether they have met or exceeded the overall statewide average

2. The percentage of Lawrence 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.

3. The percentage of Lawrence that has been Partially and Fully Vaccinated and whether they have met or exceeded the statewide average

- 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 each Age group.

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

Communities with highest COVID-19 burden

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

Vaccination Definitions

1. First Dose– Anyone who has received any vaccine (at least the 1st dose of Moderna/Pfizer vaccine or Johnson & Johnson vaccine)

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

3. Fully Vaccinated – Anyone who has received the 2nd dose of Moderna/Pfizer or Johnson & Johnson Vaccine

Please note: Moderna and Pfizer vaccines are a 2-dose series. The Johnson & Johnson is a 1 dose series

VACCINE ADMINISTRATION

Total Doses and Dose Administration Rate/100,000 Population for Lawrence Compared to Statewide as of 7/7/2021

Vaccine Administration Benchmark

- Per-capita dose administration rate for Lawrence compared to the overall state rate of **124,717.6 per 100,000.**

- Groups that have met or exceeded the overall statewide average are shaded blue.

TOWN ▲	Grand Total Doses Administered	Administered Rate per 100K
Lawrence	83,367	95,025.6
MA Statewide	8,685,809	124,717.6

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 7/7/2021
Note: This does not include administered vaccines through Veterans Affairs (VA), Indian Health Services (IHS). This data includes nursing homes that have be 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 Lawrence Compared to Statewide as of 7/7/2021

Vaccine Administration Benchmark

- Percentage of Lawrence that has received **a First Dose** of vaccine and whether the community has met or exceeded the statewide average of **67.7%.**
- Percentage of Lawrence that is **Partially Vaccinated** and whether they have met or exceeded the state average of **6.8%** .
- The percentage of Lawrence that is **Fully Vaccinated** and whether they have met or exceeded the state average of **61.0%** .
- Groups that have met or exceeded the overall statewide average are shaded blue.

TOWN ▲	First Dose ^	% of Community with First Dose
Lawrence	47,691	54.4%
MA Statewide	4,717,304	67.7%

TOWN ▲	Partailly Vaccinated ^^	% of Community, Partially Vaccinated	Fully Vaccinated ^^^	% of Community, Fully Vacccinated
Lawrence	7,599	8.7%	40,092	45.7%
MA Statewide	470,096	6.8%	4,247,208	61.0%

Data Current as of 7/7/2021

^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. Percentage calculations may be > 100% due to differences in data sources for population denominators and vaccination data.

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

FIRST DOSE

Anyone who has received any vaccine (at least the 1st dose of Moderna/Pfizer or Johnson & Johnson)

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:
  - **62.8%** for ages 0-64
  - **92.6%** for ages 65-74
  - **90.8%** for ages 75+
- Groups that have met or exceeded the overall statewide average are shaded blue.

TOWN	0-64 Years, Count	0 - 64 Years, % of Population	65-74 Years, Count	65 - 74 Years, % of Population	75+ Years, Count	75+ Years, % of Population
Lawrence	39,599	50.3%	5,182	91.3%	2,910	86.2%
MA Statewide	3,637,104	62.8%	632,348	92.6%	447,852	90.8%

Data Current as of 7/7/2021
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. Percentage calculations may be > 100% due to differences in data sources for population denominators and vaccination data.
Note: This does not include administered vaccines through Veterans Affairs (VA), Indian Health Services (IHS). This data includes nursing homes that have be vaccinated through Federal Pharmacy Partnership Program (FPPP), Long Term Care Facilities, and Correctional Facilities.

Vaccine Administration Benchmark

- The percentage of **Sex and Race/Ethnicity groups** that have received **a First Dose** of vaccine and whether they have or exceeded the overall state average of **67.7%**.

- Groups that have met or exceeded the overall statewide average are shaded blue.

Sex and Dose	Female, First Dose		Male, First Dose		Unknown/Undifferentiated, First Dose	
TOWN	Count	% of Population	Count	% of Population	Count	% of Population
Lawrence	25,556	57.2%	21,973	51.1%	162	
MA Statewide	2,514,842	70.2%	2,163,343	64.0%	39,119	

Race/Ethnicity and Dose	American Indian/Alaska Native nH/nL, First Dose		Asian nH/nL, First Dose		Black nH/nL, First Dose		Hispanic/Latinx, First Dose		Multiple Races nH/nL, First Dose		Native Hawaiian/Pacific Islander nH/nL, First Dose		Other nH/nL, First Dose		White nH/nL, First Dose	
TOWN	Count	% of Population	Count	% of Population	Count	% of Population	Count	% of Population	Count	% of Population	Count	% of Population	Count	% of Population	Count	% of Population
Lawrence	46	39.3%	1,081	59.9%	4,749	>100.0%	18,385	25.5%	816	>100.0%	31	>100.0%	3,387		15,576	>100.0%
MA Statewide	5,057	43.4%	331,613	67.3%	257,057	50.5%	422,161	49.1%	107,810	84.2%	2,572	95.4%	178,787		3,171,519	64.0%

Data Current as of 7/7/2021

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. Percentage calculations may be > 100% 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." **Missing/Unknown is defined on page 16.

nH/nL = Non – Hispanic/Non-Latinx;

Note: This does not include administered vaccines through Veterans Affairs (VA), Indian Health Services (IHS). This data includes nursing homes that have be 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

Vaccine Administration Benchmark

- Percentage by **Age Group** who are **Partially Vaccinated** and whether they have met or exceeded the statewide age-specific groups average of:
  - **6.6%** for ages 0-64
  - **6.8%** for ages 65-74
  - **8.1%** for ages 75+
- Groups that have met or exceeded the overall statewide average are shaded blue.

TOWN	0-64 Years, Count	0 - 64 Years, % of Population	65 -74 Years, Count	65 - 74 Years, % of Population	75+ Years, Count	75+ Years, % of Population
Lawrence	6,976	8.9%	423	7.5%	200	5.9%
MA Statewide	383,307	6.6%	46,742	6.8%	40,047	8.1%

Data Current as of 7/7/2021
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. Percentage calculations may be > 100% due to differences in data sources for population denominators and vaccination data.
Note: This does not include administered vaccines through Veterans Affairs (VA), Indian Health Services (IHS). This data includes nursing homes that have be vaccinated through Federal Pharmacy Partnership Program (FPPP), Long Term Care Facilities, and Correctional Facilities.

Vaccine Administration Benchmark

- Percentage of **Sex and Race/Ethnicity groups** that have been **Partially Vaccinated** and whether they have met or exceeded the overall state average of **6.8%** .
- Groups that have met or exceeded the overall statewide average are shaded blue.

Sex and Dose	Female, Partially Vaccinated		Male, Partially Vaccinated		Unknown/Undifferentiated, Partially Vaccinated	
TOWN ▲	Count	% of Population	Count	% of Population	Count	% of Population
Lawrence	4,082	9.1%	3,473	8.1%	44	
MA Statewide	236,580	6.6%	219,085	6.5%	14,431	

Race/Ethnicity and Dose	American Indian/Alaska Native nH/nL, Partially Vaccinated		Asian nH/nL, Partially Vaccinated		Black nH/nL, Partially Vaccinated		Hispanic/Latinx, Partially Vaccinated		Multiple Races nH/nL, Partially Vaccinated		Native Hawaiian/Pacific Islander nH/nL, Partially Vaccinated		Other nH/nL, Partially Vaccinated		White nH/nL, Partially Vaccinated	
TOWN ▲	Count	% of Population	Count	% of Population	Count	% of Population	Count	% of Population	Count	% of Population	Count	% of Population	Count	% of Population	Count	% of Population
Lawrence	(1-29)		91	5.0%	692	26.9%	3,531	4.9%	102	24.2%	(1-29)		609		1,734	16.3%
MA Statewide	808	6.9%	29,971	6.1%	33,846	6.6%	58,304	6.8%	7,392	5.8%	375	13.9%	27,463		248,209	5.0%

Data Current as of 7/7/2021

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. Percentage calculations may be > 100% 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." **Missing/Unknown is defined on page 16.

nH/nL = Non – Hispanic/Non-Latinx;

Note: This does not include administered vaccines through Veterans Affairs (VA), Indian Health Services (IHS). This data includes nursing homes that have be 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

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:
    - **56.2%** **for** ages 0-64
    - **85.8%** **for** ages 65-74
    - **82.7%** **for** ages 75+
- Groups that have met or exceeded the overall statewide average are shaded blue.

TOWN	0-64 Years, Count	0 - 64 Years, % of Population	65-74 Years, Count	65 -74 Years, % of Population	75+ Years, Count	75+ Years, % of Population
Lawrence	32,623	41.5%	4,759	83.8%	2,710	80.3%
MA Statewide	3,253,797	56.2%	585,606	85.8%	407,805	82.7%

Data Current as of 7/7/2021

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. Percentage calculations may be > 100% due to differences in data sources for population denominators and vaccination data.

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

Vaccine Administration Benchmark

- Percentage of **Sex and Race/Ethnicity groups** that have been **Fully Vaccinated** and whether they have met or exceeded the overall state average of **61.0%** .
- Groups that have met or exceeded the overall statewide average are shaded blue.

Sex and Dose	Female, Fully Vaccinated		Male, Fully Vaccinated		Unknown/Undifferentiated, Fully Vaccinated	
TOWN ▲	Sex Count	% of Population	Sex Count	% of Population	Sex Count	% of Population
Lawrence	21,474	48.0%	18,500	43.0%	118	
MA Statewide	2,278,262	63.6%	1,944,258	57.5%	24,688	

Race/Ethnicity and Dose	American Indian/Alaska Native nH/nL, Fully Vaccinated		Asian nH/nL, Fully Vaccinated		Black nH/nL, Fully Vaccinated		Hispanic/Latinx, Fully Vaccinated		Multiple Races nH/nL, Fully Vaccinated		Native Hawaiian/Pacific Islander nH/nL, Fully Vaccinated		Other nH/nL, Fully Vaccinated		White nH/nL, Fully Vaccinated	
TOWN ▲	Count	% of Population	Count	% of Population	Count	% of Population	Count	% of Population	Count	% of Population	Count	% of Population	Count	% of Population	Count	% of Population
Lawrence	37	31.6%	990	54.8%	4,057	>100.0%	14,854	20.6%	714	>100.0%	(1-29)		2,778		13,842	>100.0%
MA Statewide	4,249	36.5%	301,642	61.2%	223,211	43.8%	363,857	42.4%	100,418	78.4%	2,197	81.5%	151,324		2,923,310	59.0%

Data Current as of 7/7/2021
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. Percentage calculations may be > 100% 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." **Missing/Unknown is defined on page 16.
nH/nL = Non – Hispanic/Non-Latinx;
Note: This does not include administered vaccines through Veterans Affairs (VA), Indian Health Services (IHS). This data includes nursing homes that have be vaccinated through Federal Pharmacy Partnership Program (FPPP), Long Term Care Facilities, and Correctional Facilities.

Count and Percentage of Missing Race/Ethnicity for First Dose, Partial and Full Vaccinations for Lawrence Compared to Statewide as of 7/7/2021

TOWN	Missing, First Dose	% of Missing, First Dose	Missing, Partially Vaccinated	% of Missing, Partially Vaccinated	Missing, Fully Vaccinated	% of Missing, Fully Vaccinated
Lawrence	3,620	7.6%	828	10.9%	2,792	7.0%
MA Statewide	240,728	5.1%	63,728	13.6%	177,000	4.2%

Communities COVID -19 Burden

COVID-19 Case Counts and Rates for 20 Prioritized Communities

City/Towns with highest burden

• Decrease COVID-19 Incidence in the City/Towns based on average daily incidence per 100,000 (daily interactive COVID-19 dashboard)

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 (7/8/2021)	Two Week Case Counts (7/8/2021)	Average Daily Incidence Rate per 100,000 (7/8/2021)
Boston	36,686	5,732	59.1	71,067	103	1.1
Brockton	8,013	987	71.0	14,213	24	1.7
Chelsea	5,880	707	136.8	8,904	12	2.3
Everett	4,930	808	118.9	8,637	7	1.0
Fall River	7,079	1,296	103.6	14,332	18	1.4
Fitchburg	2,522	476	80.7	4,807	<5	0.5
Framingham	4,681	723	69.4	8,359	10	1.0
Haverhill	4,217	901	97.6	8,337	26	2.8
Holyoke	2,770	414	72.8	5,735	<5	0.7
Lawrence	12,568	2,116	172.3	20,381	31	2.5
Leominster	2,541	573	101.4	5,007	5	0.9
Lowell	9,844	1,966	120.9	17,694	44	2.7
Lynn	10,212	1,758	124.5	17,419	18	1.3
Malden	3,676	718	75.8	7,222	6	0.6
Methuen	4,154	909	120.6	7,660	11	1.5
New Bedford	6,943	1,413	100.9	14,841	25	1.8
Randolph	2,075	325	67.4	4,225	9	1.9
Revere	6,188	1,151	135.1	10,822	12	1.4
Springfield	10,159	1,837	84.0	22,261	43	2.0
Worcester	13,435	2,295	85.6	23,906	42	1.6
MA Statewide	322,652	61,603	63.2	664,307	1,001	1.0

Profile of Lawrence by Race/Ethnicity

TOWN	Total Pop	American Indian/Alaska Native nH/nL	% of Population, American Indian/ Alaska Native, nH/nL	Asian nH/nL	% of Population, Asian, nH/nL	Black nH/nL	% of Population, Black, nH/nL	Hispanic /Latinx	% of Population, Hispanic/Latinx	Multiple Races nH/nL	% of Population, Multiple Races, nH/nL	Native Hawaiian/ Pacific Islander nH/nL	% of Population, Native Hawaiian/ Pacific Islander, nH/nL	White nH/nL	% of Population, White, nH/nL
Lawrence	87,731	117	0.1%	1,806	2.1%	2,571	2.9%	72,142	82.2%	421	0.5%	(1-29)		10,655	12.1%
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	0.0%	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/nL = Non – Hispanic/Non-Latinx