

# VACCINATION DATA REPORT

## Haverhill

Friday, May 14, 2021

# Haverhill - Benchmarks

## Vaccine Administration

1. The per-capita dose administration rate (total doses) in **Haverhill** and whether they have met or exceeded the overall statewide average
2. The percentage of **Haverhill** 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 age -specific statewide averages for each age group.
3. The percentage of **Haverhill** 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 state averages.

## Communities with highest COVID-19 burden

1. Decrease risk levels from red towards grey in **Haverhill** 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 (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

# VACCINE ADMINISTRATION

# Total Doses and Dose Administration Rate/100,000 Population for Haverhill Compared to Statewide as of 5/12/2021

## Vaccine Administration Benchmark

- Per-capita dose administration rate for Haverhill compared to the overall state rate of **99,187.9 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
Haverhill	55,613	84,340.5
MA Statewide	6,907,827	99,187.9

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 5/12/2021  
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 Haverhill Compared to Statewide as of 5/12/2021

## Vaccine Administration Benchmark

- Percentage of Haverhill that has received a **First Dose** of vaccine and whether the community has met or exceeded the statewide average of **58.7%**.
- Percentage of Haverhill that is **Partially Vaccinated** and whether they have met or exceeded the state average of **14.9%**.
- The percentage of Haverhill that is **Fully Vaccinated** and whether they have met or exceeded the state average of **43.8%**.
- Groups that have met or exceeded the overall statewide average are shaded blue.

TOWN	First Dose ^	% of Community with First Dose
Haverhill	32,814	49.8%
MA Statewide	4,084,661	58.7%

TOWN	Partailly Vaccinated ^^	% of Community, Partially Vaccinated	Fully Vaccinated ^^^	% of Community, Fully Vaccinated
Haverhill	7,718	11.7%	25,096	38.1%
MA Statewide	1,034,607	14.9%	3,050,054	43.8%

Data Current as of 5/12/2021

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

# Counts and Percentages of Population with a First Dose by Demographics for Haverhill

## Compared to Statewide as of 5/12/2021

### 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:
  - 52.5% for** ages 0-64
  - 89.3% for** ages 65-74
  - 88.5% 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
▲ Haverhill	24,284	43.5%	5,353	87.1%	3,177	80.1%
MA Statewide	3,038,570	52.5%	609,754	89.3%	436,337	88.5%

Data Current as of 5/12/2021  
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 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 Haverhill Compared to Statewide as of 5/12/2021 contd.

## 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 **58.7%**.
- 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
Haverhill	18,266	53.8%	14,362	44.9%	186	
MA Statewide	2,205,195	61.5%	1,840,415	54.4%	39,051	

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
Haverhill	(1-29)		636	51.9%	1,054	40.0%	3,465	23.6%	327	28.0%	(1-29)		1,393		24,172	51.9%
MA Statewide	4,271	36.7%	281,722	57.2%	202,474	39.8%	312,667	36.4%	84,256	65.8%	2,213	82.1%	156,749		2,825,144	57.0%

Data Current as of 5/12/2021

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

# Counts and Percentages of Population Partially Vaccinated by Demographics for Haverhill Compared to Statewide as of 5/12/2021

## 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:
  - **15.8%** for ages 0-64
  - **10.5%** for ages 65-74
  - **9.9%** 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
▲ Haverhill	6,430	11.5%	713	11.6%	575	14.5%
MA Statewide	913,753	15.8%	71,782	10.5%	49,072	9.9%

Data Current as of 5/12/2021  
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.

# Counts and Percentages of Population Partially Vaccinated by Demographics for Haverhill Compared to Statewide as of 5/12/2021 contd.

## 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 **14.9%**.
- 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
Haverhill	3,966	11.7%	3,681	11.5%	71	
MA Statewide	501,518	14.0%	516,302	15.3%	16,787	

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
Haverhill	(1-29)		179	14.6%	294	11.1%	1,203	8.2%	93	8.0%	(1-29)		294		5,077	10.9%
MA Statewide	1,499	12.9%	101,966	20.7%	56,422	11.1%	105,669	12.3%	21,327	16.7%	710	26.3%	42,846		621,308	12.5%

Data Current as of 5/12/2021

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

# Counts and Percentages of Population Fully Vaccinated by Demographics for Haverhill Compared to Statewide as of 5/12/2021

## 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:
  - **36.7% for** ages 0-64
  - **78.8% for** ages 65-74
  - **78.5% 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
▲ Haverhill	17,854	32.0%	4,640	75.5%	2,602	65.6%
MA Statewide	2,124,817	36.7%	537,972	78.8%	387,265	78.5%

Data Current as of 5/12/2021  
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.

# Counts and Percentages of Population Fully Vaccinated by Demographics for Haverhill Compared to Statewide as of 5/12/2021contd.

## 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 **43.8%** .
- 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
▲ Haverhill	14,300	42.1%	10,681	33.4%	115	
MA Statewide	1,703,677	47.6%	1,324,113	39.2%	22,264	

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
▲ Haverhill	(1-29)		457	37.3%	760	28.8%	2,262	15.4%	234	20.0%	(1-29)		1,099		19,095	41.0%
MA Statewide	2,772	23.8%	179,756	36.5%	146,052	28.7%	206,998	24.1%	62,929	49.2%	1,503	55.8%	113,903		2,203,836	44.5%

Data Current as of 5/12/2021

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 Haverhill Compared to Statewide as of 5/12/2021

TOWN	Missing, First Dose	% of Missing, First Dose	Missing, Partially Vaccinated	% of Missing, Partially Vaccinated	Missing, Fully Vaccinated	% of Missing, Fully Vaccinated
▲ Haverhill	1,726	5.3%	566	7.3%	1,160	4.6%
MA Statewide	215,165	5.3%	82,860	8.0%	132,305	4.3%

Data Current as of 5/12/2021

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. 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 been vaccinated through Federal Pharmacy Partnership Program (FPPP), Long Term Care Facilities, and Correctional Facilities.



# Communities 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 (daily interactive COVID-19 dashboard)

Average Daily Incidence Rate per 100,000 Color Calculation

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

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 (5/13/2021)	Two Week Case Counts (5/13/2021)	Average Daily Incidence Rate per 100,000 (5/13/2021)
Boston	36,686	5,732	59.1	70,041	1,143	11.8
Brockton	8,013	987	71.0	13,885	365	26.3
Chelsea	5,880	707	136.8	8,797	108	20.9
Everett	4,930	808	118.9	8,559	108	15.9
Fall River	7,079	1,296	103.6	14,042	246	19.7
Fitchburg	2,522	476	80.7	4,726	111	18.8
Framingham	4,681	723	69.4	8,212	114	10.9
Haverhill	4,217	901	97.6	8,160	189	20.5
Holyoke	2,770	414	72.8	5,653	132	23.2
Lawrence	12,568	2,116	172.3	20,046	364	29.6
Leominster	2,541	573	101.4	4,944	89	15.7
Lowell	9,844	1,966	120.9	17,474	362	22.3
Lynn	10,212	1,758	124.5	17,164	203	14.4
Malden	3,676	718	75.8	7,112	104	11.0
Methuen	4,154	909	120.6	7,525	127	16.8
New Bedford	6,943	1,413	100.9	14,533	408	29.1
Randolph	2,075	325	67.4	4,147	90	18.7
Revere	6,188	1,151	135.1	10,682	132	15.5
Springfield	10,159	1,837	84.0	21,758	622	28.4
Worcester	13,435	2,295	85.6	23,543	338	12.6
MA Statewide	322,652	61,603	63.2	654,734	12,199	12.5

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 5/13/2021 from MA weekly vaccination dashboard, <https://www.mass.gov/info-details/massachusetts-covid-19-vaccination-data-and-updates#weekly-covid-19-vaccination-dashboard->

# Profile of Haverhill 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/L atinx	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
▲ Haverhill	65,939	69	0.1%	1,226	1.9%	2,637	4.0%	14,697	22.3%	1,168	1.8%	(1-29)		46,559	70.6%
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