



Executive Office Report June 2021 Board Meeting

BOSTON
PUBLIC
HEALTH
COMMISSION



A microscopic view of several COVID-19 virus particles. The particles are spherical with a textured surface and numerous spike-like protrusions (glycoprotein spikes) extending from them. They are set against a dark, blurred background with some greenish-yellow highlights.

COVID-19 Update

Boston COVID Numbers

Boston COVID-19 Case Counts

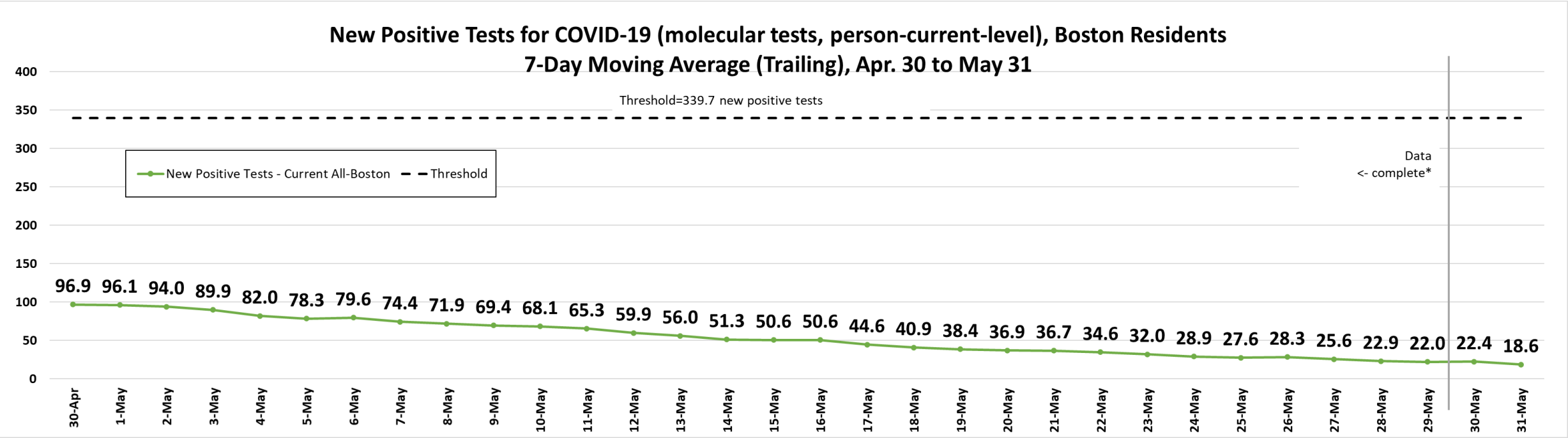
Date	New cases	Total confirmed cases reported	New recovered	Total recovered	New deaths	Total deaths
29-May	Not reported	70,628	Not reported	68,746	Not reported	1,383
30-May	Not reported	70,628	Not reported	68,746	Not reported	1,383
31-May	43	70,671	94	68,840	1	1,384
1-Jun	5	70,676	48	68,888	0	1,384
2-Jun	18	70,694	61	68,949	0	1,384



Boston COVID Numbers

Boston COVID-19 Race/Ethnicity Data				
Race/Ethnicity	Known Cases	% of Known Cases	Deaths	% of Deaths
Asian/PI	3,972	6%	108	8%
Black/African-American	15,916	24%	449	32%
Latino/Hispanic	19,413	30%	185	13%
Other	3,927	6%	45	3%
White	21,762	33%	595	43%
Total Race/Ethnicity Identified Cases in Boston	64,990	91.9%	1,382	99.9%
Total in Boston	70,694		1,384	

Metric #1: Number of New Positive Tests



What is the Metric?

This metric tells us how many new cases we’re seeing each day and how quickly COVID is spreading. Data to the right of the vertical line are considered incomplete. Our goal is to be at 67.9 cases or less per day (10 per 100K residents). Our threshold for concern is 339.7 cases per day (50 cases per 100K residents)

Current Status

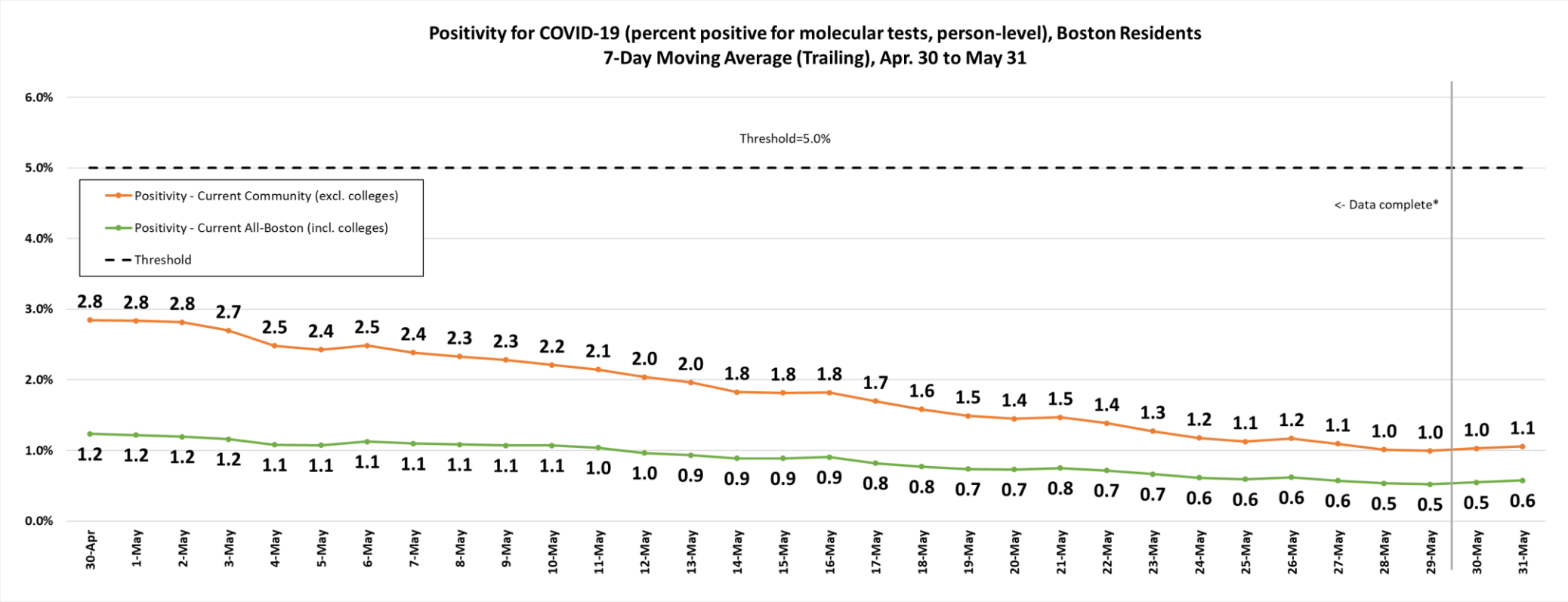
22.0 positive tests (as of 5/29) based on the 7-day trailing moving average. (3.2 cases per 100K residents)

Number Below Threshold: -317.7

Number Below Goal: -45.9



Metric #2: Daily Percent of Tests that Are Positive



What is the Metric?

This metric helps us understand if we’re doing enough testing and if we’re seeing widespread cases. Data to the right of the vertical line are considered incomplete. Our goal is to be at less than 4% positivity. Our threshold for concern is 5% or more positivity for Boston OR 8% or more positivity for 4 or more Boston neighborhoods.

Current Status

1.0% daily positive test rate (as of 5/29) based on the 7 day trailing moving average.

Percentage Points Below Threshold: -4.0

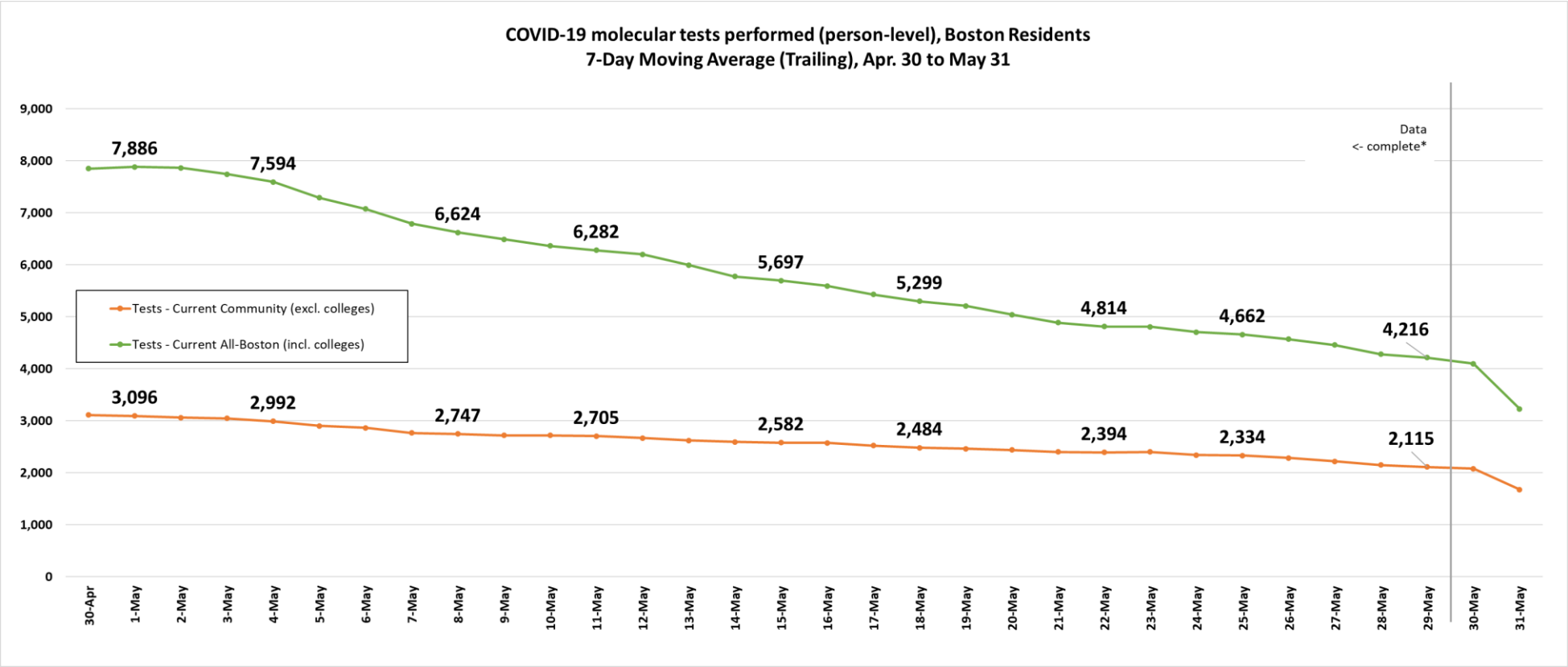
Percentage Points Below Goal: -3.0

Number of Boston Neighborhoods \geq 8%: 0



NEIGHBORHOOD	% Positive		Tests		Current Week Testing Rate Per 100,000 Residents	Current Week Positive Rate Per 100,000 Residents
	Current Week 5/23-5/29	Prior Week 5/16-5/22	Current Week 5/23-5/29	Prior Week 5/16-5/22		
Mattapan - 02126	2.2%	1.9%	626	729	2,115.5	47.3
Dorchester - 02121, 02125	1.9%	3.0%	1,344	1,515	2,091.0	38.9
Roxbury - 02119, 02120	1.8%	2.0%	984	1,036	2,281.6	41.7
Dorchester - 02122, 02124	1.5%	2.2%	1,611	1,830	1,991.8	29.7
Roslindale - 02131	1.5%	1.8%	743	835	2,200.1	32.6
South End - 02111, 02118	1.1%	0.9%	793	952	2,217.8	25.2
South Boston - 02127, 02210	0.9%	1.0%	755	871	1,883.1	17.5
Fenway - 02115, 02215	0.9%	0.7%	675	809	1,233.4	11.0
Hyde Park - 02136	0.8%	1.8%	858	1,060	2,507.1	20.5
Jamaica Plain - 02130	0.6%	0.5%	1,250	1,293	3,095.8	17.3
East Boston - 02128	0.5%	1.2%	1,261	1,521	2,687.2	12.8
Allston/Brighton - 02163, 02134, 02135	0.4%	0.6%	1,324	1,375	1,988.4	7.5
Back Bay, Beacon Hill, West End, Downtown, & North End - 02108, 02114, 02116, 02199, 02222, 02109, 02110, 02113	N/A	0.4%	1,244	1,401	2,232.5	N/A
Charlestown - 02129	N/A	N/A	380	402	1,957.4	N/A
West Roxbury - 02132	N/A	1.2%	628	732	2,204.5	N/A
Boston	1.0%	1.4%	14,803	16,755	2,178.8	21.6

Metric #3: COVID-19 Molecular Tests



What is the Metric?

This metric helps us to understand whether we are performing a consistent amount of testing among Boston residents. Our goal is to see this number remain flat or increase. Our threshold for concern is 3 or more weeks of consecutive decrease in testing.

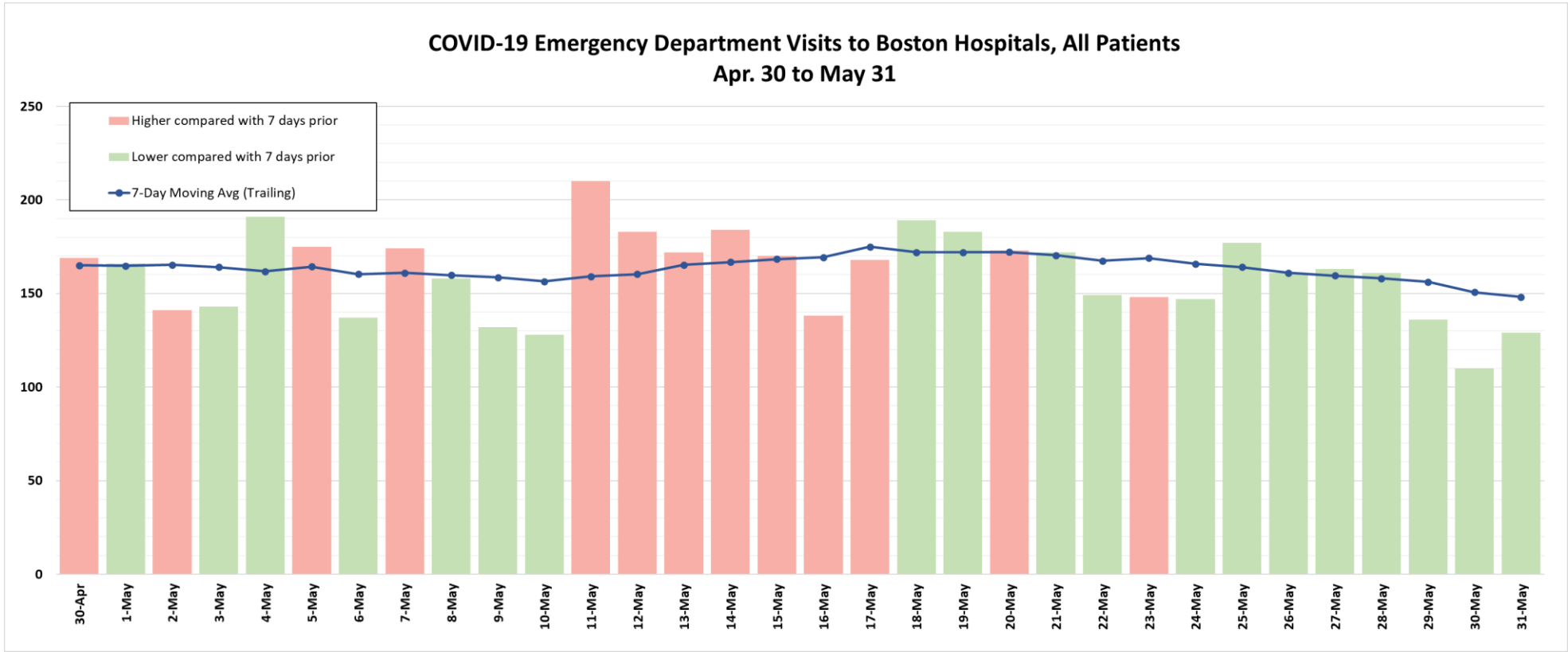
Current Status

2,115 tests per day (as of 5/29) based on the 7 day trailing moving average.

Number of Consecutive Weeks of Decrease: 4



Metric #4: Daily COVID-19 Emergency Dept Visits



What is the Metric?

This metric helps us understand the broader impact of COVID-19 on hospital emergency departments. Our goal is to see this number remain flat or decrease. Our threshold for concern is 7 or more days of consecutive increase as compared to the same day the previous week.

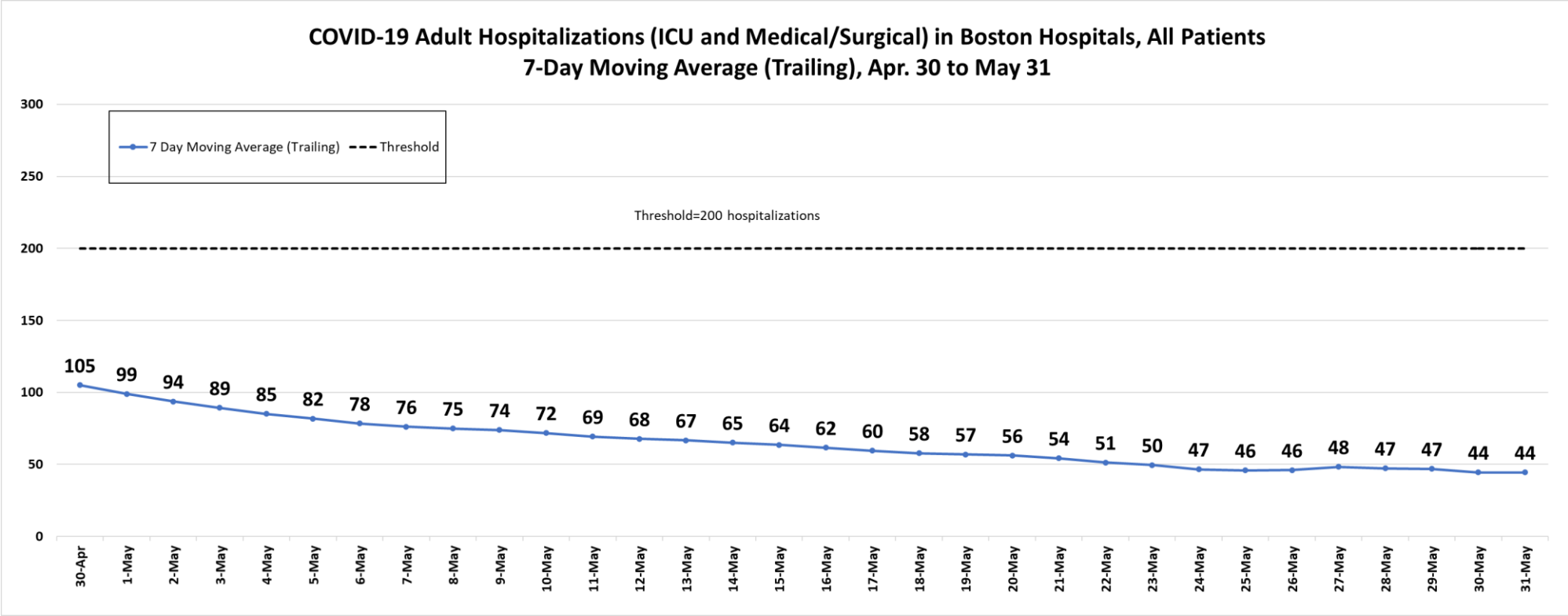
Current Status

148.1 daily COVID-19 ED Visits (as of 5/31) based on the 7 day trailing moving average.

Number of Consecutive Days Higher Than Same Day Previous Week: 0



Metric #5: COVID-19 Adult Hospitalizations in Boston Hospitals



What is the Metric?

This metric was updated on 5/19 to help us understand how many adult patients are currently hospitalized in Boston hospitals. This metric uses the 7-day trailing average to identify trends rather than individual day counts. Our threshold for concern is 200 COVID-19 patients hospitalized across all Boston hospitals.

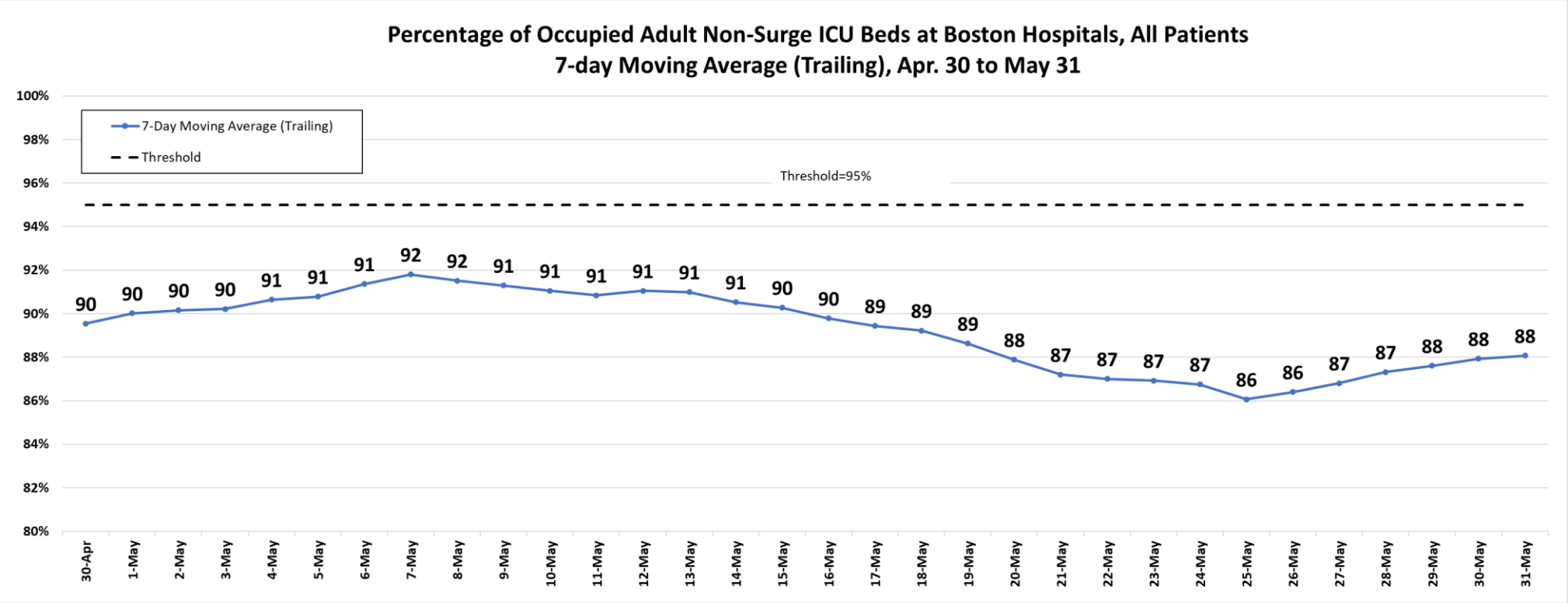
Current Status

44 adult patients hospitalized across Boston hospitals (as of 05/31) based on the 7-day trailing moving average.

Number of Consecutive Days above 200: 0



Metric #6: % of Non-Surge Adult ICU Beds Occupied



What is the Metric?

This metric helps us understand how full our Boston hospital adult ICUs are and indicates that hospitals are or may need to start using surge beds to care for patients. Our goal is to have 85% or less of non-surge adult ICU beds occupied. Our threshold for concern is when 95% or more of non-surge adult ICU beds are occupied for five consecutive days.

Current Status

88% of non-surge adult ICU beds are occupied (as of 5/31) based on the 7-day trailing moving average.

Number of Consecutive Days Higher Than 95%: 0



COVID-19 Vaccination: Updates

Jennifer Lo, MD
Medical Director
Boston Public Health Commission

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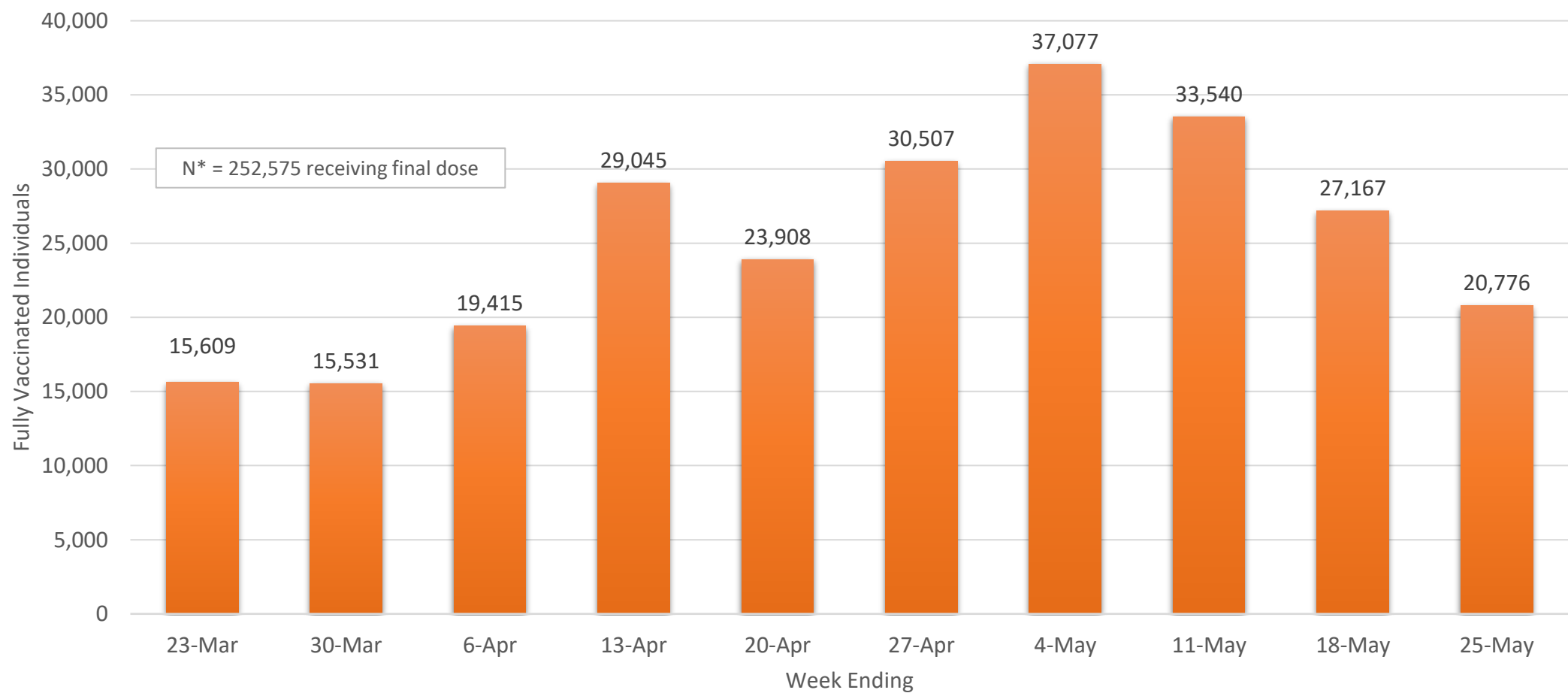


Boston Residents with At Least 1 COVID-19 Vaccine Dose, Partially Vaccinated, and Fully Vaccinated, Dec. 15, 2020 - May 25, 2021

	Number of Boston Residents	Percentage of Boston Total Population
At Least 1 Dose	414,891	61.1%
Partially Vaccinated	72,754	10.7%
Fully Vaccinated	342,137	50.4%

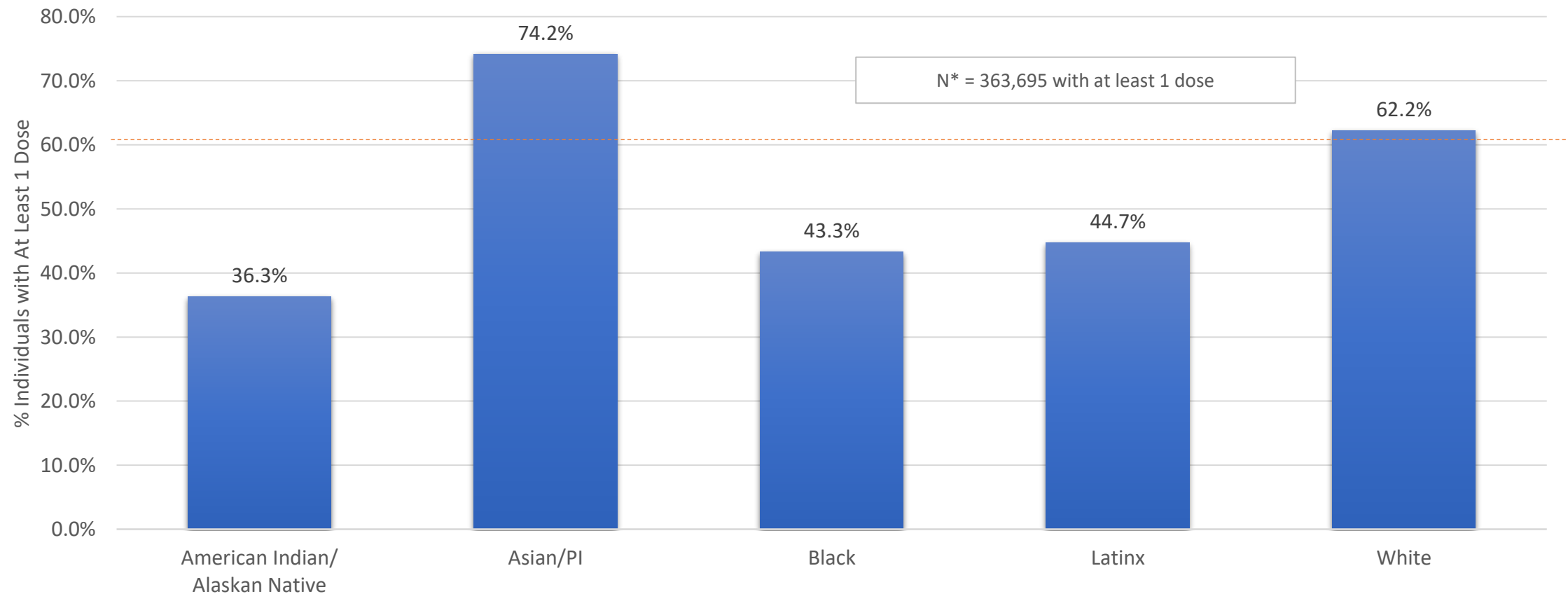
DATA SOURCE: MDPH, Massachusetts Immunization Information System; DATA ANALYSES: Research & Evaluation Office, Infectious Disease Bureau.

Individuals Receiving Final COVID-19 Vaccine Dose by Week, March 17 - May 25, 2021



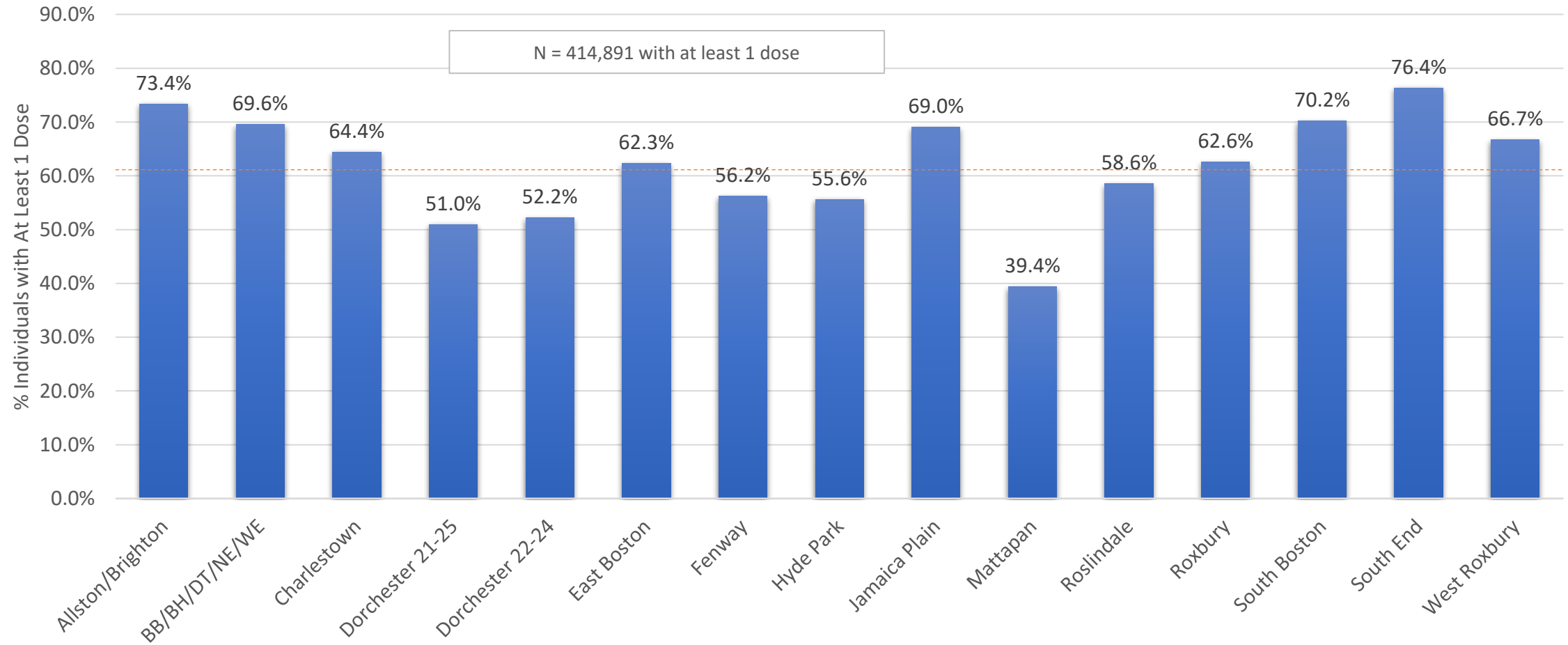
*N is equal to total number of individuals receiving their final dose in the 10-week period. DATA SOURCE: MDPH, Massachusetts Immunization Information System; DATA ANALYSES: Research & Evaluation Office, Infectious Disease Bureau.

Percentage of Individuals with At Least 1 Dose of COVID-19 Vaccine Administered by Race/Ethnicity, Dec. 15, 2020 - May 25, 2021



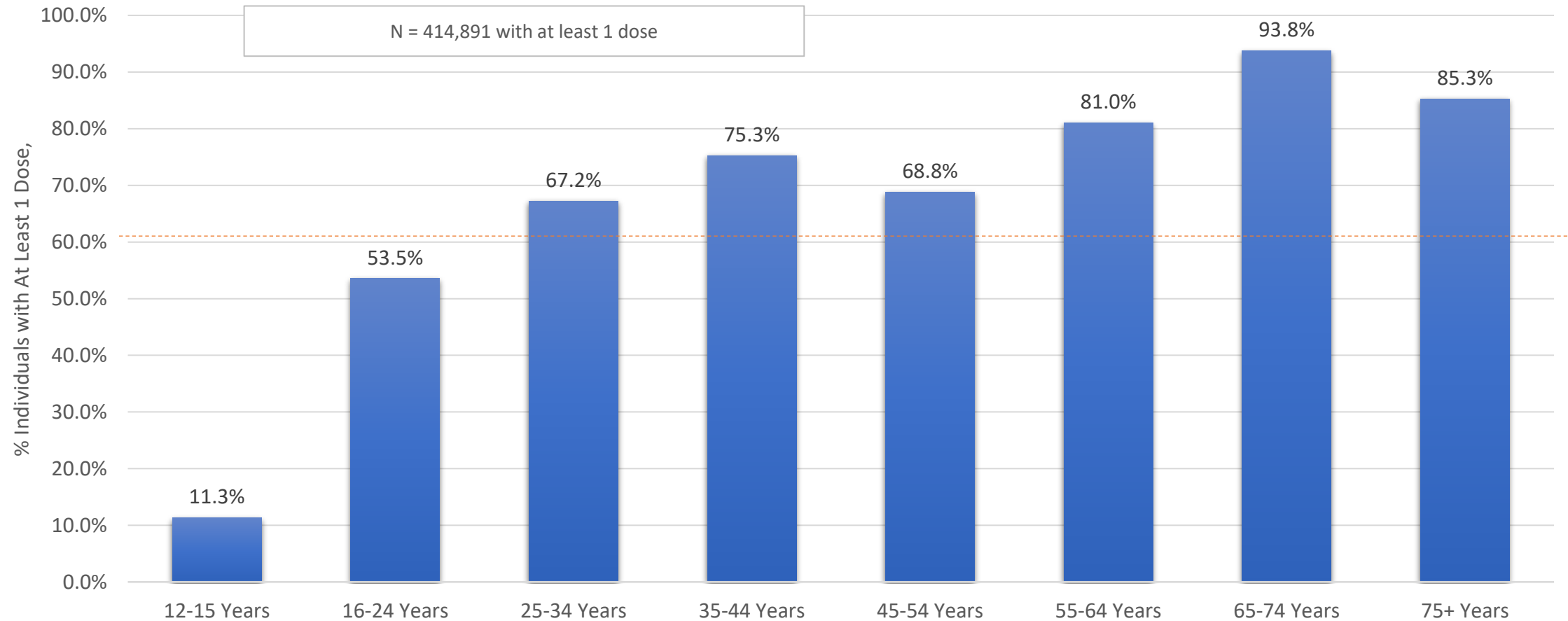
* N varies from Total N of Individuals with At Least 1 Dose because comparable population data for residents who identify as Multiracial, Other, or Unknown are not available. Asian/PI = Asian, Native Hawaiian, and Pacific Islander. DATA SOURCES: MDPH, Massachusetts Immunization Information System; U.S. Census Bureau, American Community Survey, 2018 5-yr estimates (2014-2018). DATA ANALYSES: Research & Evaluation Office, Infectious Disease Bureau.

Percentage of Individuals with At Least 1 Dose of COVID-19 Vaccine Administered by Neighborhood, Dec. 15, 2020 - May 25, 2021



BB/BH/DT/NE/WE = Back Bay/Beacon Hill/Downtown/North End/West End. DATA SOURCES: Massachusetts Department of Public Health, Massachusetts Immunization Information System; U.S. Census Bureau, American Community Survey, 2018 5-yr estimates (2014-2018). DATA ANALYSES: Research & Evaluation Office, Infectious Disease Bureau.

Percent of Individuals with At Least 1 Dose of COVID-19 Vaccine Administered by Age Group, Dec. 15, 2020 - May 25, 2021



DATA SOURCES: MDPH, Massachusetts Immunization Information System; U.S. Census Bureau, American Community Survey, 2018 5-yr estimates (2014-2018). DATA ANALYSES: Research & Evaluation Office, Infectious Disease Bureau.

Masks or No Masks?

- Vaccines are highly effective against preventing COVID-19 disease as well as transmission from vaccinated to unvaccinated individuals
- Unvaccinated individual should continue to
 - Mask
 - Social distance
 - Avoid crowds/large gatherings
 - Get tested and stay away from others if exposed to COVID-19 or have symptoms of COVID-19
- Caution for individuals with conditions or taking medications that affect the immune system
- **Any individual regardless of vaccination status should get tested for COVID 19 and isolate if they have symptoms**

Face Coverings REQUIRED

- Public forms of transportation and transit centers (buses, trains), ride shares
- K-12, Early Education, and other youth programs
- Health Care settings
- Congregate Care Facilities
- Emergency Shelter Programs
- Correctional facilities
- Health Care and Day Service Programs
- Home Health Care Workers (PCAs, HHAs)
- When required by specific organizations (employers, local businesses, ride shares, etc.)