

Boston Public Health Commission Wastewater Epidemiology Program COVID-19 Report

Updated: 20-Jan-2023 | Data Complete Through: 15-Jan-2023

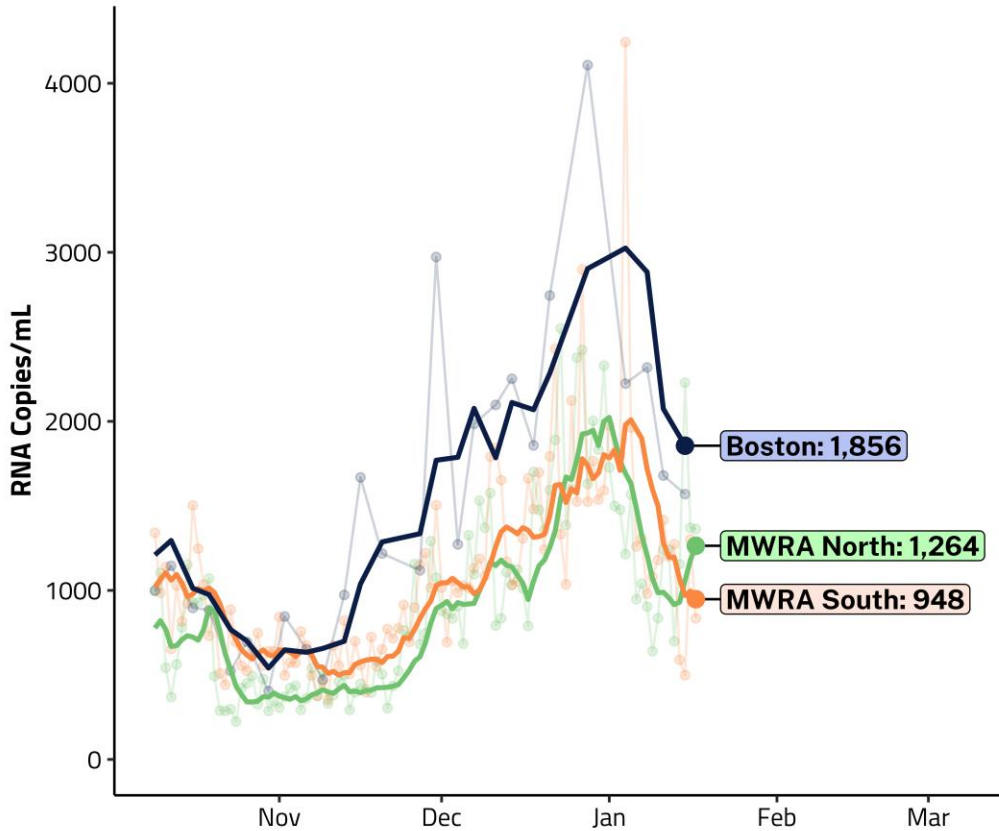


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Overview and Trends



CITYWIDE
AVERAGE

1,856

RNA copies/mL

RANGE ACROSS 11
NEIGHBORHOOD SITES

740 – 2,489

RNA copies/mL

Data through: **15-Jan-2023**

2 WEEK TRENDS

Boston

Decreasing

-52%

over the past 2 weeks

MWRA North

Decreasing

-40%

over the past 2 weeks

MWRA South

Decreasing

-56%

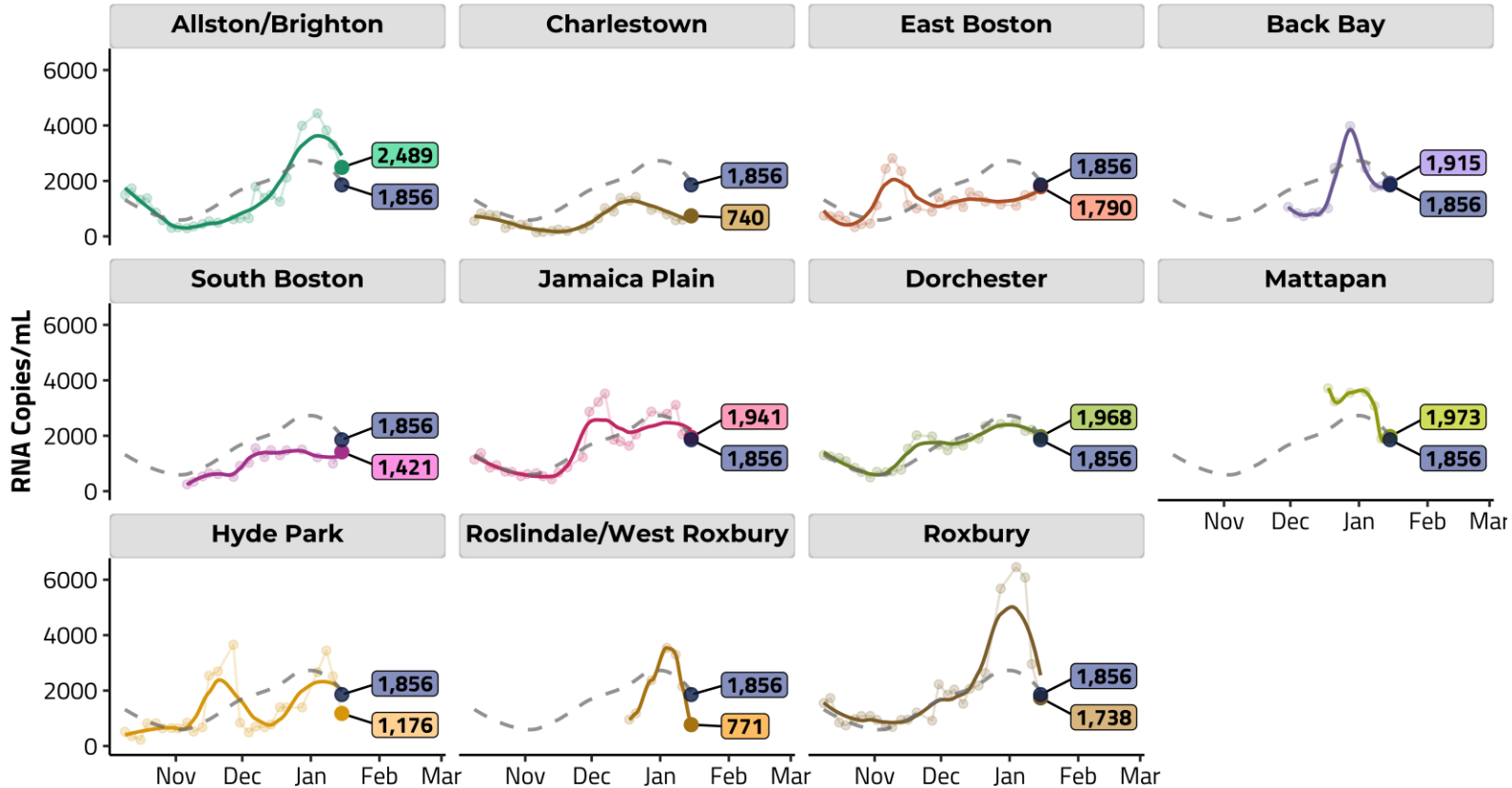
over the past 2 weeks



RESULTS BY NEIGHBORHOOD



BPHC Neighborhood Trends



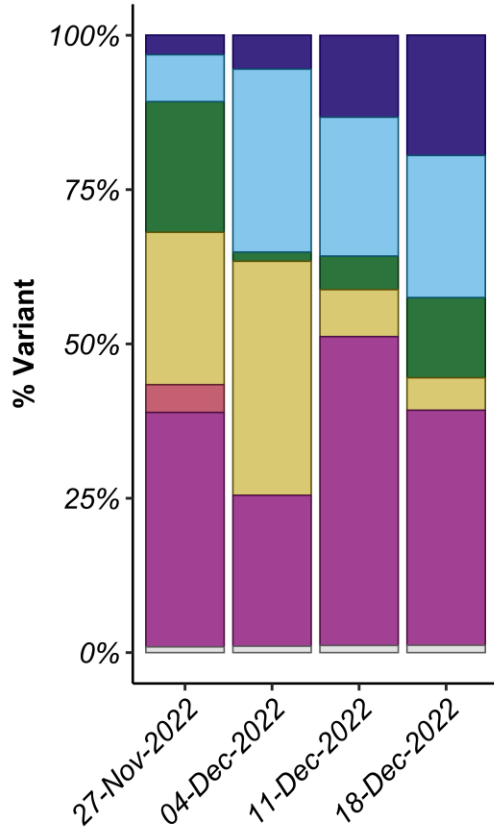
Points shown are 3-sample average values (i.e., 8-day moving average); line shows smoothed trend for 8-day moving average; dotted grey line in each panel represents average across all Boston sites weighted by population.



VARIANT RESULTS



Percent Variant Lineages (Citywide)



Variant	%
BA.2*	19.5%
XBB	23.0%
BA.4*	13.0%
BA.5*	5.3%
BF.7	0.0%
BQ.1*	38.1%
Other	1.2%

Average variant percentage across all BPHC sites weighted by population size; Table shows variant percentages for samples collected the week of 18-Dec-2022 (most recent available data); Variant results are reported weekly with a 3-week lag due to laboratory processing and analysis.

BA.2* includes BA.2, BA.2.12, BA.2.12.1, and other BA.2 sub-lineages; BA.4* includes BA.4 and its sublineages, including BA.4.6; BA.5* includes the sublineages of BA.5, except BQ.1* and BF.7; BQ.1* includes BQ.1 and its sublineages, including BQ.1.1; 'Other variants' contains all variants not explicitly quantified.; See: <https://www.biobot.io/covid19-variants-report-notes/>

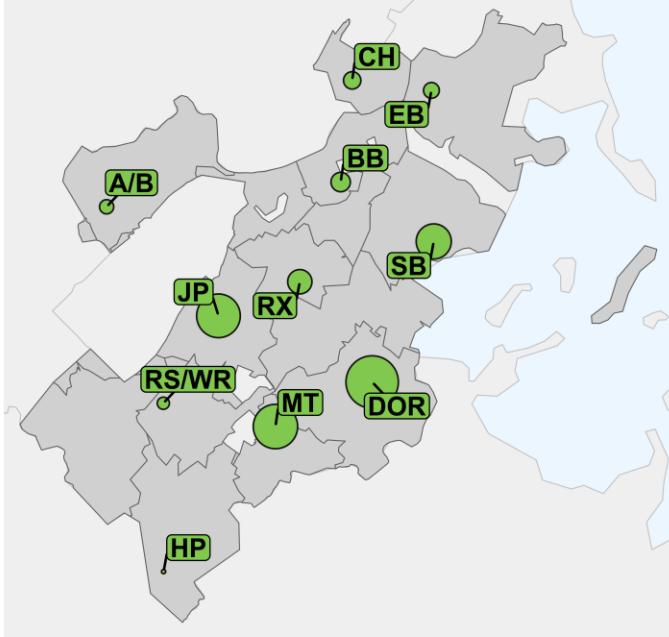


NEIGHBORHOOD SITE STATUS & DETAILS



Neighborhood Site Status and Details

Status of Wastewater Sampling Locations
(20-Jan-2023)



Site Status
(N=11) **a** Active
(n=11)

#	Neighborhood	Date Site Confirmed	Site Status	Pop. Covered	% Neighborhood Covered
01	A/B	02-Oct-2022	Active	2,684	4.0%
02	CH	02-Oct-2022	Active	3,736	18.3%
03	EB	02-Oct-2022	Active	3,178	6.3%
04	BB	20-Nov-2022	Active	4,551	8.1%
05	SB	30-Oct-2022	Active ¹	14,962	35.8%
07	JP	02-Oct-2022	Active	23,573	56.9%
08	DOR	02-Oct-2022	Active	34,562	23.8%
09	MT	11-Dec-2022	Active	24,441	80.5%
10	HP	02-Oct-2022	Active	1,262	3.5%
11	RS/WR	11-Dec-2022	Active	2,165	3.5%
12	RX	02-Oct-2022	Active	7,036	16.5%

¹Sampling at the South Boston site was paused starting on 28-Dec-2022 due to construction and resumed on 11-Jan-2023

