

## Wastewater Epidemiology COVID-19 Report

Updated: 03-Feb-2023 | Data Complete Through: 29-Jan-2023



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#### Variant Results

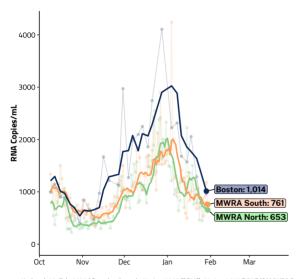
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### **Overview and Trends**





CITYWIDE AVERAGE

1,014
RNA copies/mL

RANGE ACROSS 11 NEIGHBORHOOD SITES

> 434-2,363 RNA copies/mL

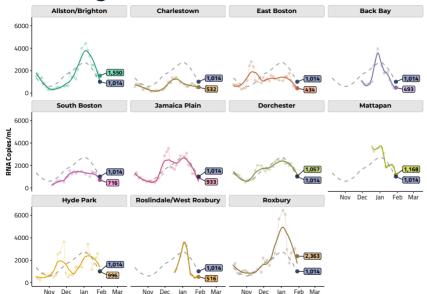
Data through: 29-Jan-2023

2-WEEK TRENDS		
Boston	<b>-47%</b>	
Decreasing	over the past 14 days	
MWRA North Decreasing	<b>-54%</b> over the past 14 days	
MWRA South	<b>-20%</b>	
Decreasing	over the past 14 days	

Updated: 03-Feb-2023 | Samples through: 29-Jan-2023 (BPHC); 30-Jan-2023 (MWRA) | MWRA Data: https://www.mwra.com/biobot/biobotdata.htm

# **BPHC Neighborhood Trends**

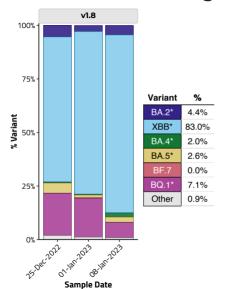




Points shown are 3-sample average values (i.e., 8-day moving average); line shows smoothed trend for 8-day moving average; dotted grey line in each panel perpesents average across all Boston sites weighted by population.

# Percent Variant Lineages (Citywide)





Average variant percentage across all BPHC sites weighted by population size | Table shows variant percentages for samples collected the week of 08-Jan-2023 (most recent available data); Variant results are reported weekly with a 3-week lag due to laboratory processing and analysis.

Sequencing Analysis Protocol Version: v1.8 (10-Jan-2023):

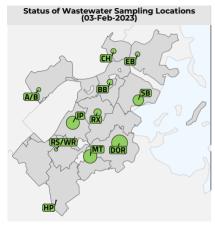
- BA.2\* includes BA.2, BA.2.12, BA.2.12.1, and other BA.2 sub-lineages.
   BA.4\* includes BA.4 and its sublineages, including BA.4.6.
- BA.5\* includes the sublineages of BA.5, except BQ.1\* and BF.7.
- BO.1\* includes BO.1 and its sublineages, including BO.1.1.
- XBB\* includes all XBB sublineages, including XBB.1.5. The progenitor lineages of XBB are BA.2.75 and BA.2.10. Since neither progenitor is circulating, we combine abundances of genomic fragments of these BA.2 lineages with XBB.
- "Other variants" contains all variants not explicitly quantified.

Version Changes: XBB sublineages (including XBB.1.5) reclassified to XBB\*; Previously, XBB sub-lineages were classified as BA.2\* in v1.7

For Additional Info See: https://www.biobot.io/covid19-variants-report-notes/

# **Neighborhood Site Status and Details**





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

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