Wastewater Epidemiology COVID-19 Report

Updated: 30-Oct-2023 | **Data Complete Through**: 25-Oct-2023

Boston Public Health Commission

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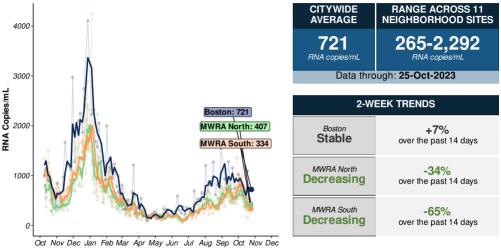 Overview and Trends

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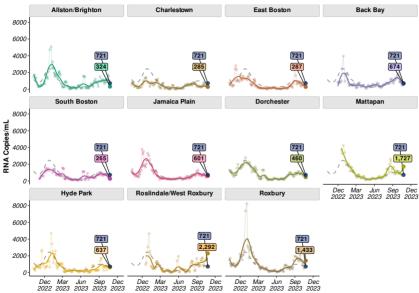
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Overview and Trends

CITYWIDE AVERAGE	RANGE ACROSS 11 NEIGHBORHOOD SITES
721 _RNA copies/mL_	**265-2,292** _RNA copies/mL_
Data through: **25-Oct-2023**	

2-WEEK TRENDS	
Boston **Stable**	**+7%** over the past 14 days
MWRA North **Decreasing**	**-34%** over the past 14 days
MWRA South **Decreasing**	**-65%** over the past 14 days

Updated: 30-Oct-2023 | **Samples through:** 25-Oct-2023 (BPHC); 24-Oct-2023 (MWRA) | **MWRA Data:** https://www.mwra.com/biobot/biobotdata.htm
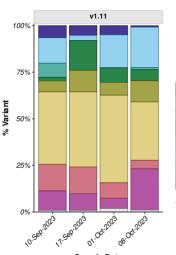
BPHC Neighborhood Trends

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 represents average across all Boston sites weighted by population.

Percent Variant Lineages (Citywide)

Variant	%
XBB*	0.8%
XBB.1.5	21.7%
XBB.1.9	1.1%
XBB.1.9.1	5.9%
XBB.1.9.2	11.3%
EG.5	31.4%
XBB.1.16	4.5%
FL.1.5.1	22.2%
Other	1.1%

Average variant percentage across all BPHC sites weighted by population size | Table shows variant percentages for samples collected the week of 08-Oct-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: v1.11 (28-Sep-2023):
● *XBB includes all XBB sublineages aside from those specifically reported
● "Other variants" contains all variants not explicitly quantified.

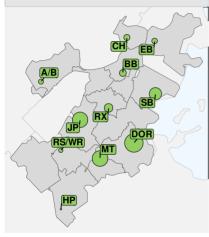*Version Changes:* Added: ● FL.1.5.1

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

Neighborhood Site Status and Details

Status of Sampling Sites (30-Oct-2023)

#	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	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%

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