



# Wastewater Epidemiology COVID-19 Report

**Updated:** 05-Oct-2023 | **Data Complete Through:** 01-Oct-2023



*Boston Public  
Health Commission*

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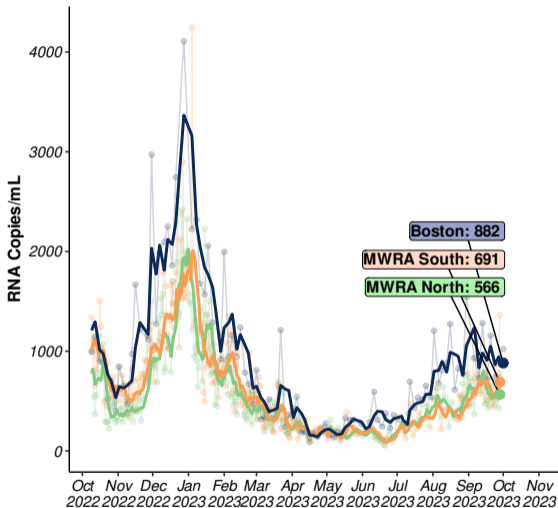
## Variant Results

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# Overview and Trends



CITYWIDE  
AVERAGE

**882**

RNA copies/mL

RANGE ACROSS 11  
NEIGHBORHOOD SITES

**355-1,477**

RNA copies/mL

Data through: **01-Oct-2023**

## 2-WEEK TRENDS

*Boston*  
**Stable**

**-7%**  
over the past 14 days

*MWRA North*  
**Decreasing**

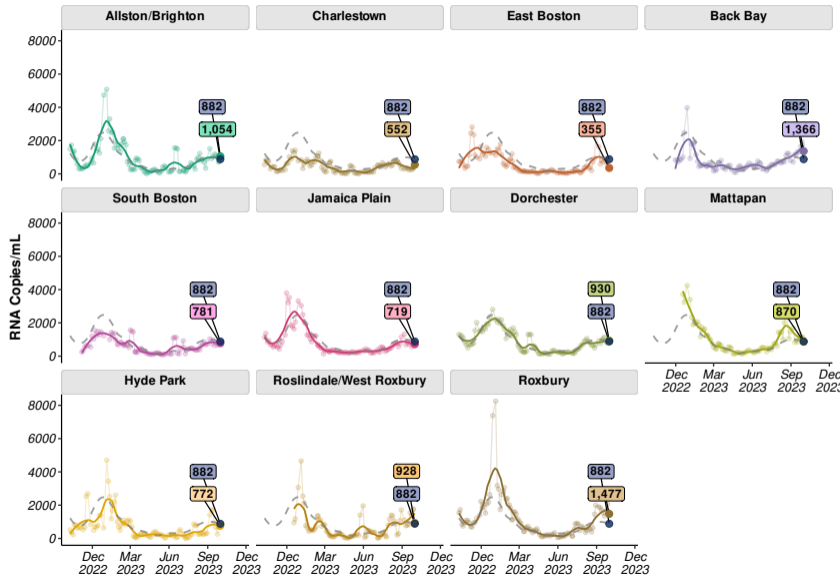
**-23%**  
over the past 14 days

*MWRA South*  
**Decreasing**

**-16%**  
over the past 14 days

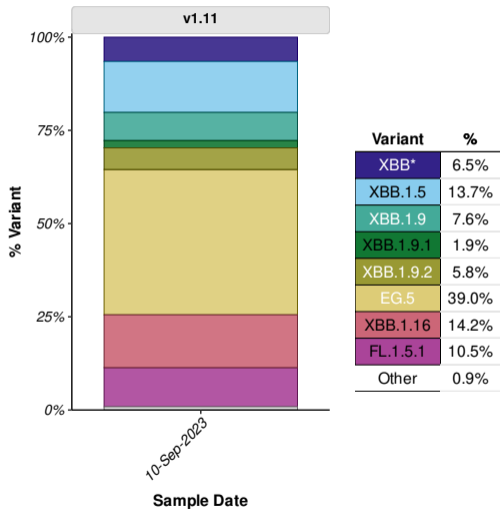
Updated: 05-Oct-2023 | Samples through: 01-Oct-2023 (BPHC); 28-Sep-2023 (MWRA) | MWRA Data: <https://www.mwra.com/biobot/biobotdata.htm>

# 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)



Average variant percentage across all BPHC sites weighted by population size | Table shows variant percentages for samples collected the week of 10-Sep-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

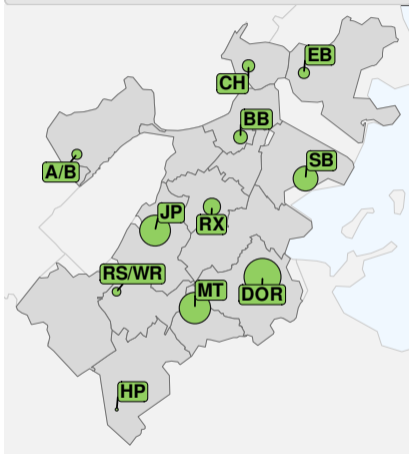
For Additional Info See:

<https://www.biobot.io/covid19-variants-report-notes/>



# Neighborhood Site Status and Details

Status of Sampling Sites (05-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)