

## **Boston Wastewater Epidemiology Report**

**Updated**: 28-Oct-2025 | **Data Complete Through**: 22-Oct-2025



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Level

Level: Very High

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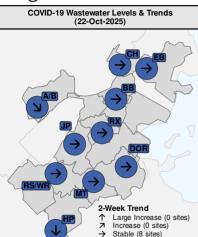
Level: Very Low

# **Neighborhood Levels and Trends**

Decrease (1 sites) Large Decrease (1 sites)

Verv Hiah





COVID-19

(# sites)

Very Low

#### **BOSTON CITYWIDE COVID-19 LEVEL & TRENDS**

COVID-19 LEVEL

**Very Low** 

7 copies/mL samples through 22-Oct-2025 2-WEEK TRENDS



-25 copies/mL (-78%)

#### **NEIGHBORHOOD SITES COVID-19 LEVEL & TRENDS**

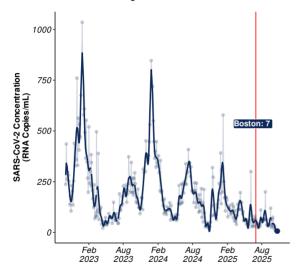
Level	Neighborhood/Site		Trend
	Back Bay (BB)	$\rightarrow$	Stable
	East Boston (EB)	$\rightarrow$	Stable
	Roxbury (RX)	$\rightarrow$	Stable
	Allston/Brighton (A/B)	Ŋ	Decrease
Very Low	Mattapan (MT)	$\rightarrow$	Stable
very Low	Roslindale/West Roxbury (RS/WR)	$\rightarrow$	Stable
	Dorchester (DOR 2224)	$\rightarrow$	Stable
	Jamaica Plain (JP)	$\rightarrow$	Stable
	Charlestown (CH)	$\rightarrow$	Stable
	Hyde Park (HP)	$\overline{}$	Large Decrease

#### For additional details see:

- · Results by Neighborhood
- Detailed Neighborhood Levels and Trends Table

## **COVID-19 Citywide Overview and Trends**





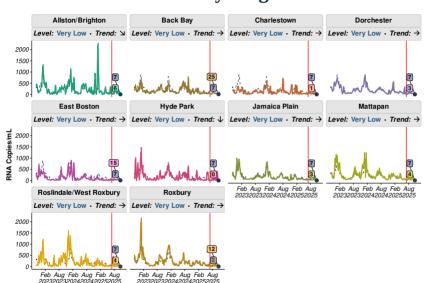




Updated: 28-Oct-2025 | Samples through: 22-Oct-2025

## **BPHC Trend Overview by Neighborhood**





For each neighborhood, colored line and textbox shows the smoothed trend and most recent value in that neighborhood:

The dotted blue line and dark blue text box in each panel shows the trend and most recent value across all Boston sites weighted by population.

The vertical red line marks the date of August 1, 2024, when the laboratory that tests Boston's wastewater changed.

To see details and interpretation of these results for an individual neighborhood see Results by Neighborhood.

## Results by Neighborhood



- Allston-Brighton (A/B)
- Back Bay (BB)
- Charlestown (CH)
- Dorchester (DOR)
- East Boston (EB)
- Hyde Park (HP)
- Jamaica Plain (JP)
- Mattapan (MT)
- Roslindale/West Roxbury (RS/WR)
- Roxbury (RX)

# Allston/Brighton



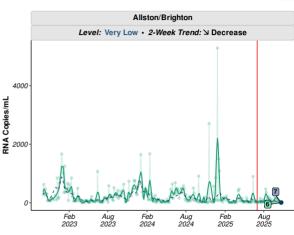
#### Level: Very Low

- Average value in A/B over the past week: 6 copies/mL.
- This value is very low compared to past values and <u>similar</u> than the citywide average (7 copies/mL).

#### Trend: > Decrease

- Over the past two weeks, values in <u>A/B</u> are <u>decreasing</u>.
- Change compared to two weeks ago:

   66 copies/mL (-91%).



Updated: 28-Oct-2025 | Samples through: 22-Oct-2025 (A/B);

## **Back Bay**



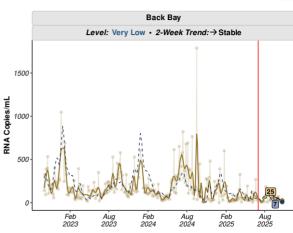
### Level: Very Low

- Average value in <u>BB</u> over the past week: 25 copies/mL.
- This value is very low compared to past values and similar than the citywide average (7 copies/mL).

#### Trend: → Stable

- Over the past two weeks, values in <u>BB</u> are <u>stable</u>.
- Change compared to two weeks ago:

   10 copies/mL (-28%).



Updated: 28-Oct-2025 | Samples through: 22-Oct-2025 (BB);

## Charlestown

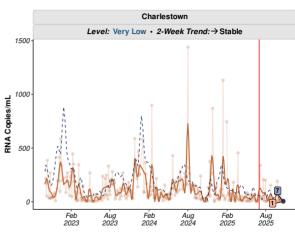


## Level: Very Low

- Average value in <u>CH</u> over the past week: 1 copies/mL.
- This value is very low compared to past values and <u>similar</u> than the citywide average (7 copies/mL).

#### Trend: → Stable

- Over the past two weeks, values in <u>CH</u> are <u>stable</u>.
- Change compared to two weeks ago:
   -19 copies/mL (-97%).



Updated: 28-Oct-2025 | Samples through: 22-Oct-2025 (CH);

### Dorchester

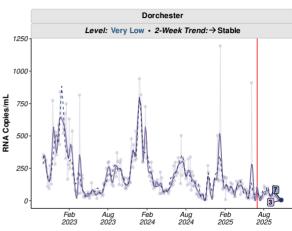


### Level: Very Low

- Average value in <u>DOR 2224</u> over the past week: 3 copies/mL.
- This value is very low compared to past values and <u>similar</u> than the citywide average (<u>7</u> copies/mL).

#### Trend: → Stable

- Over the past two weeks, values in <u>DOR 2224</u> are <u>stable</u>.
- Change compared to two weeks ago: <u>-9</u> copies/mL (-74%).



Updated: 28-Oct-2025 | Samples through: 22-Oct-2025 (DOR 2224);

### **East Boston**

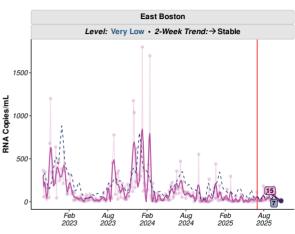


### Level: Very Low

- Average value in <u>EB</u> over the past week: 15 copies/mL.
- This value is very low compared to past values and <u>similar</u> than the citywide average (7 copies/mL).

#### Trend: → Stable

- Over the past two weeks, values in <u>EB</u> are <u>stable</u>.
- Change compared to two weeks ago: +5 copies/mL (+48%).



Updated: 28-Oct-2025 | Samples through: 22-Oct-2025 (EB);

## **Hyde Park**

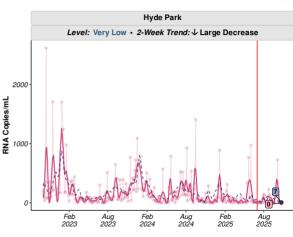


### Level: Very Low

- Average value in <u>HP</u> over the past week:
   O copies/mL.
- This value is very low compared to past values and similar than the citywide average (7 copies/mL).

## Trend: ↓ Large Decrease

- Over the past two weeks, values in <u>HP</u> are <u>decreasing</u>.
- Change compared to two weeks ago:
   -223 copies/mL (-100%).



Updated: 28-Oct-2025 | Samples through: 22-Oct-2025 (HP);

## Jamaica Plain

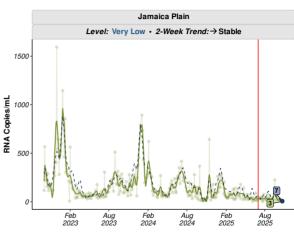


#### Level: Very Low

- Average value in <u>JP</u> over the past week:
   3 copies/mL.
- This value is very low compared to past values and similar than the citywide average (7 copies/mL).

#### Trend: → Stable

- Over the past two weeks, values in <u>JP</u> are <u>stable</u>.
- Change compared to two weeks ago:
   -16 copies/mL (-85%).



Updated: 28-Oct-2025 | Samples through: 22-Oct-2025 (JP);

## Mattapan

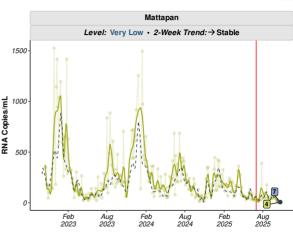


## Level: Very Low

- Average value in <u>MT</u> over the past week: 4 copies/mL.
- This value is very low compared to past values and <u>similar</u> than the citywide average (7 copies/mL).

#### Trend: → Stable

- Over the past two weeks, values in <u>MT</u> are <u>stable</u>.
- Change compared to two weeks ago: <u>-4</u> copies/mL (-48%).



Updated: 28-Oct-2025 | Samples through: 22-Oct-2025 (MT);

# **Roslindale/West Roxbury**



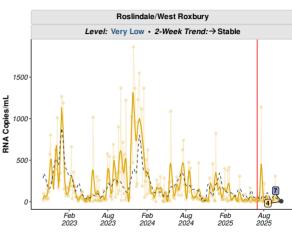
### Level: Very Low

- Average value in <u>RS/WR</u> over the past week: 4 copies/mL.
- This value is very low compared to past values and <u>similar</u> than the citywide average (7 copies/mL).

#### Trend: → Stable

- Over the past two weeks, values in RS/WR are stable.
- Change compared to two weeks ago:

   -13 copies/mL (-78%).



Updated: 28-Oct-2025 | Samples through: 22-Oct-2025 (RS/WR);

## Roxbury

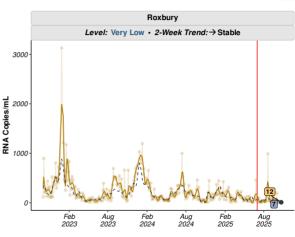


#### **Very Low** Level:

- Average value in **RX** over the past week: 12 copies/mL.
- This value is very low compared to past values and similar than the citywide average (7 copies/mL).

### Trend: → Stable

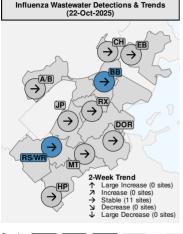
- Over the past two weeks, values in RX are stable.
- Change compared to two weeks ago:
  - -19 copies/mL (-61%).

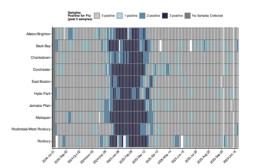


Updated: 28-Oct-2025 | Samples through: 22-Oct-2025 (RX):

## **Influenza Detections in Wastewater**







# Samples Positive for Flu (Past 3 Samples)

9 sites

2 site

es 0 sites

0 sites

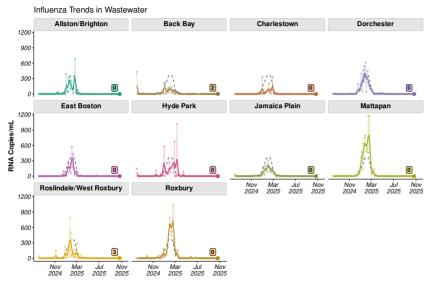
2 positive 3 positive No Samples Collected

This map depicts the number of times influenza virus was detected in wastewater at the 3 most-recent samples (approximately the past week) at each of the neighborhood sampling locations.

1 positive

## Influenza Trends in Wastewater by Neighborhood





For each neighborhood, colored line and textbox shows the smoothed trend and most recent value in that neighborhood:

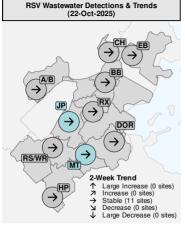
The dotted blue line in each panel shows the trend and most recent value across all Boston sites weighted by population.

## **RSV Detections in Wastewater**



Samples
Positive for RSV 0 positive 1 1 positive 2 positive 3 positive No Samples Collected

at serie at series at serie



# Samples Positive for RSV (Past 3 Samples)

0 positive 1 positive

0 sites

2 positive 3 positive No Samples Collected

Aliston/Brighton Dack Da Charlestown

> Dorchasta East Boston

Murto Park Jamaica Pinin

Mattanan

Roxbury

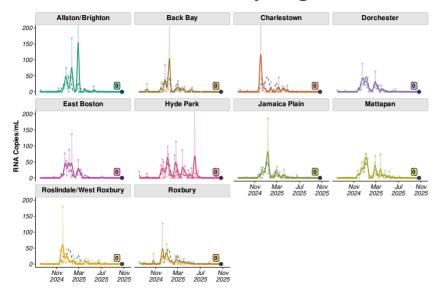
Roslindale/West Roxbury

RSV = Respiratory Syncytial Virus

This map depicts the number of times RSV was detected in wastewater at the 3 most-recent samples (approximately the past week) at each of the neighborhood sampling locations.

# **RSV Trends in Wastewater by Neighborhood**





For each neighborhood, colored line and textbox shows the smoothed trend and most recent value in that neighborhood:

The dotted blue line in each panel shows the trend and most recent value across all Boston sites weighted by population.

# **COVID-19 Wastewater Level and Trend Category Definitions**



#### **Concentration Levels**

Concentration	Concentration Value	
Level	(Copies/mL)	
Very High	>320	
High	240-320	
Moderate	160-240	
Low	80-160	
Very Low	≤80	

#### 2-Week Trend Categories

	Trend Category	Trend Value	
	Trend Category	(Copies/mL)	
<b>一</b> 个	Large Increase	>+175	
7	Increase	+50 to +175	
$\rightarrow$	Stable	-50 to +50	
7	Decrease	-175 to -50	
$\downarrow$	Large Decrease	≤-175	

# Level: Very High



# Wastewater viral levels in your neighborhood indicate **very high risk** of COVID-19 infection.

Based on this level, BPHC urgently recommends the following practices to prevent COVID-19 in your community:

- Wear a high-quality mask or respirator
- If you are at high risk of getting very sick, consider limiting non-essential indoor activities in public where you could be exposed.
- If you have close contact with someone at high risk of getting very sick, consider self-testing to detect infection before contact, and consider wearing a high-quality mask when indoors with them

- Stay up-to-date on vaccinations.
- Recognize the <u>symptoms</u> of COVID-19 and seek testing and possible treatment if you get sick
- Stay home when sick and avoid contact with others who are sick
- Improve indoor airflow and ventilation
- Wash your hands often and cover coughs and sneezes
- Follow CDC recommendations for <u>preventing spread</u> if you have COVID-19

- Find a vaccination clinic in your neighborhood
- Pick up a <u>free at-home test kit</u> in your neighborhood
- Find <u>treatment</u> for COVID-19 including <u>free telehealth</u> and <u>in home treatment</u>
- Call or visit the Mayor's Health Line
- Learn more about COVID-19 and find additional resources: COVID-19 in Boston

# Level: High



# Wastewater viral levels in your neighborhood indicate high risk of COVID-19 infection.

Based on this level, BPHC strongly recommends the following practices to prevent COVID-19 in your community:

- Wear a high-quality mask or respirator
- If you have close contact with someone at high risk of getting very sick, consider self-testing to detect infection before contact, and consider wearing a high-quality mask when indoors with them
- Stay up-to-date on vaccinations.
- Recognize the <u>symptoms</u> of COVID-19 and seek testing and possible treatment if you get sick
- Stay home when sick and avoid contact with others who are sick
- Improve indoor airflow and ventilation
- Wash your hands often and cover coughs and sneezes
- Follow CDC recommendations for <u>preventing spread</u> if you have COVID-19

- Find a <u>vaccination clinic</u> in your neighborhood
- Pick up a <u>free at-home test kit</u> in your neighborhood
- Find treatment for COVID-19 including free telehealth and in home treatment
- Call or visit the Mayor's Health Line
- Learn more about COVID-19 and find additional resources: COVID-19 in Boston

## Level: Moderate



# Wastewater viral levels in your neighborhood indicate **moderate risk** of COVID-19 infection.

Based on this level, BPHC recommends the following practices to prevent COVID-19 in your community:

- If you are at high risk of getting very sick, wear a high-quality mask or respirator in public indoor spaces
- If you have close contact with someone at high risk of getting very sick, consider self-testing to detect infection before contact, and consider wearing a high-quality mask when indoors with them
- Stay up-to-date on vaccinations.
- Recognize the <u>symptoms</u> of COVID-19 and seek testing and possible treatment if you get sick
- Stay home when sick and avoid contact with others who are sick
- Improve indoor airflow and ventilation
- Wash your hands often and cover coughs and sneezes
- Follow CDC recommendations for <u>preventing spread</u> if you have COVID-19

- Find a <u>vaccination clinic</u> in your neighborhood
- Pick up a <u>free at-home test kit</u> in your neighborhood
- Find <u>treatment</u> for COVID-19 including <u>free telehealth</u> and <u>in home treatment</u>
- · Call or visit the Mayor's Health Line
- Learn more about COVID-19 and find additional resources: COVID-19 in Boston

# Level: Low



# Wastewater viral levels in your neighborhood indicate **low risk** of COVID-19 infection.

Based on this level, BPHC recommends the following practices to prevent COVID-19 in your community:

- . Continue to monitor wastewater levels and trends
- Stay up-to-date on vaccinations.
- Recognize the symptoms of COVID-19 and seek testing and possible treatment if you get sick
- Stay home when sick and avoid contact with others who are sick
- Improve indoor airflow and ventilation
- Wash your hands often and cover coughs and sneezes
- Follow CDC recommendations for preventing spread if you have COVID-19

- Find a vaccination clinic in your neighborhood
- · Pick up a free at-home test kit in your neighborhood
- Find <u>treatment</u> for COVID-19 including <u>free telehealth</u> and <u>in home treatment</u>
- Call or visit the Mayor's Health Line
- Learn more about COVID-19 and find additional resources: COVID-19 in Boston

# Level: Very Low



# Wastewater viral levels in your neighborhood indicate **very low risk** of COVID-19 infection.

Based on this level, BPHC recommends the following practices to prevent COVID-19 in your community:

- . Continue to monitor wastewater levels and trends
- Stay up-to-date on vaccinations.
- Recognize the symptoms of COVID-19 and seek testing and possible treatment if you get sick
- Stay home when sick and avoid contact with others who are sick
- · Improve indoor airflow and ventilation
- Wash your hands often and cover coughs and sneezes
- Follow CDC recommendations for preventing spread if you have COVID-19

- Find a vaccination clinic in your neighborhood
- · Pick up a free at-home test kit in your neighborhood
- Find treatment for COVID-19 including free telehealth and in home treatment
- Call or visit the Mayor's Health Line
- Learn more about COVID-19 and find additional resources: COVID-19 in Boston