

Boston Wastewater Epidemiology Report

Updated: 03-Sep-2025 | **Data Complete Through**: 27-Aug-2025

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Level

Level: Very High

Level: High

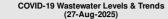
Level: Moderate

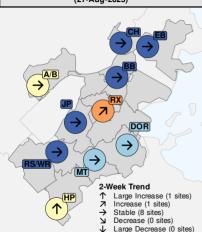
Level: Low

Level: Very Low

Neighborhood Levels and Trends







COVID-19
Level
(# citac)











BOSTON CITYWIDE COVID-19 LEVEL & TRENDS

COVID-19 LEVEL

2-WEEK TRENDS



88 copies/mL samples through 27-Aug-2025



-1 copies/mL (-1%)

NEIGHBORHOOD SITES COVID-19 LEVEL & TRENDS

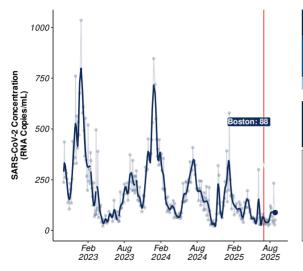
Level	Neighborhood/Site		Trend
High	Roxbury (RX)	7	Increase
Moderate	Hyde Park (HP)	$\overline{}$	Large Increase
Moderate	Allston/Brighton (A/B)	\rightarrow	Stable
Low	Mattapan (MT)	\rightarrow	Stable
LOW	Dorchester (DOR 2224)	\rightarrow	Stable
	Back Bay (BB)	\rightarrow	Stable
	Roslindale/West Roxbury (RS/WR)	\rightarrow	Stable
Very Low	East Boston (EB)	\rightarrow	Stable
	Charlestown (CH)	\rightarrow	Stable
	Jamaica Plain (JP)	\rightarrow	Stable

For additional details see:

- · Results by Neighborhood
- Detailed Neighborhood Levels and Trends Table
- Trend and Level Category Definitions

COVID-19 Citywide Overview and Trends





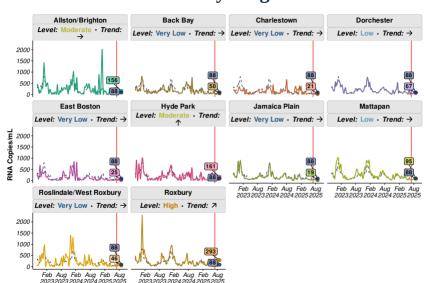




Updated: 03-Sep-2025 | Samples through: 27-Aug-2025

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)
- South Boston (SB)

Allston/Brighton

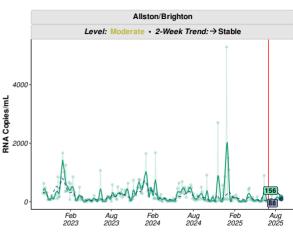


Level: Moderate

- Average value in A/B over the past week: 156 copies/mL.
- This value is moderate compared to past values and similar than the citywide average (88 copies/mL).

Trend: \rightarrow Stable

- Over the past two weeks, values in <u>A/B</u> are <u>stable</u>.
- Change compared to two weeks ago: +6 copies/mL (+4%).



Updated: 03-Sep-2025 | Samples through: 27-Aug-2025 (A/B);

Back Bay



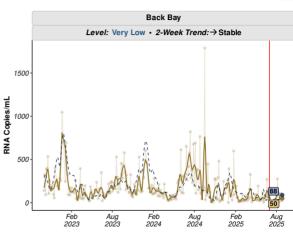
Level: Very Low

- Average value in <u>BB</u> over the past week: 50 copies/mL.
- This value is very low compared to past values and <u>similar</u> than the citywide average (<u>88</u> copies/mL).

Trend: → Stable

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

 -40 copies/mL (-44%).



Updated: 03-Sep-2025 | Samples through: 27-Aug-2025 (BB);

Charlestown

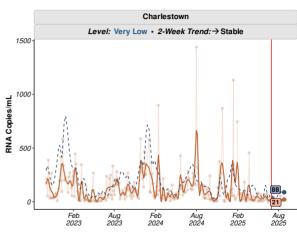


Level: Very Low

- Average value in <u>CH</u> over the past week: 21 copies/mL.
- This value is very low compared to past values and <u>similar</u> than the citywide average (88 copies/mL).

Trend: → Stable

- Over the past two weeks, values in <u>CH</u> are <u>stable</u>.
- Change compared to two weeks ago: +2 copies/mL (+13%).



Updated: 03-Sep-2025 | Samples through: 27-Aug-2025 (CH);

Dorchester

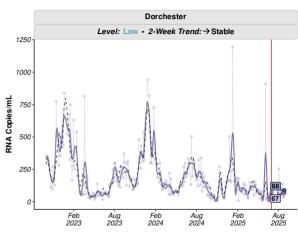


Level: Low

- Average value in <u>DOR 2224</u> over the past week: <u>67</u> copies/mL.
- This value is <u>low</u> compared to past values and <u>similar</u> than the citywide average (88 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>-20</u> copies/mL (-23%).



Updated: 03-Sep-2025 | Samples through: 27-Aug-2025 (DOR 2224);

East Boston



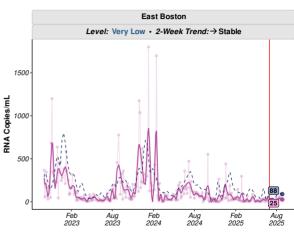
Level: Very Low

- Average value in <u>EB</u> over the past week: 25 copies/mL.
- This value is very low compared to past values and similar than the citywide average (88 copies/mL).

Trend: → Stable

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

 16 copies/mL (-39%).



Updated: 03-Sep-2025 | Samples through: 27-Aug-2025 (EB);

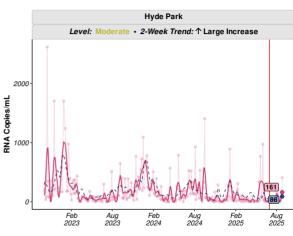
Hyde Park



Level: **Moderate**

- Average value in <u>HP</u> over the past week: 161 copies/mL.
- This value is moderate compared to past values and similar than the citywide average (88 copies/mL).

- Over the past two weeks, values in <u>HP</u> are <u>increasing</u>.
- Change compared to two weeks ago: +143 copies/mL (+802%).



Updated: 03-Sep-2025 | Samples through: 27-Aug-2025 (HP);

Jamaica Plain

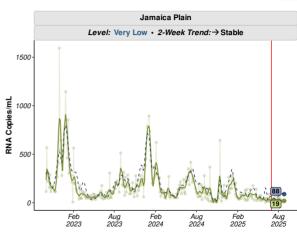


Level: Very Low

- Average value in <u>JP</u> over the past week:
 19 copies/mL.
- This value is very low compared to past values and similar than the citywide average (88 copies/mL).

Trend: → Stable

- Over the past two weeks, values in <u>JP</u> are <u>stable</u>.
- Change compared to two weeks ago: <u>-4</u> copies/mL (-17%).



Updated: 03-Sep-2025 | Samples through: 27-Aug-2025 (JP);

Mattapan

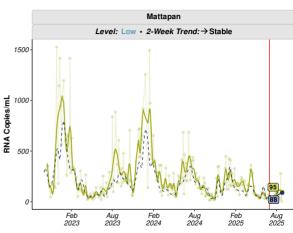


Level: Low

- Average value in <u>MT</u> over the past week: 95 copies/mL.
- This value is <u>low</u> compared to past values and <u>similar</u> than the citywide average (<u>88</u> copies/mL).

Trend: → Stable

- Over the past two weeks, values in <u>MT</u> are <u>stable</u>.
- Change compared to two weeks ago: -17 copies/mL (-16%).



Updated: 03-Sep-2025 | Samples through: 27-Aug-2025 (MT);

Roslindale/West Roxbury

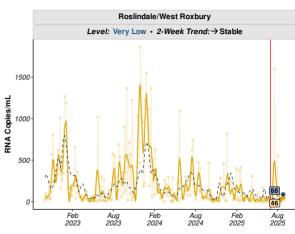


Level: Very Low

- Average value in RS/WR over the past week: 46 copies/mL.
- This value is very low compared to past values and similar than the citywide average (88 copies/mL).

Trend: → Stable

- Over the past two weeks, values in RS/WR are stable.
- Change compared to two weeks ago: +13 copies/mL (+40%).



Updated: 03-Sep-2025 | Samples through: 27-Aug-2025 (RS/WR);

Roxbury

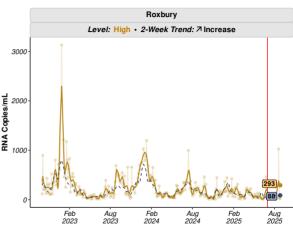


Level: High

- Average value in <u>RX</u> over the past week: 293 copies/mL.
- This value is <u>high</u> compared to past values and <u>higher</u> than the citywide average (<u>88</u> copies/mL).

Trend: **↗ Increase**

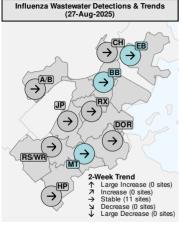
- Over the past two weeks, values in <u>RX</u> are <u>increasing</u>.
- Change compared to two weeks ago: +89 copies/mL (+44%).

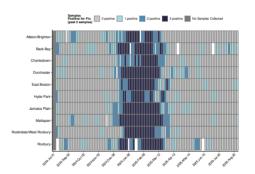


Updated: 03-Sep-2025 | Samples through: 27-Aug-2025 (RX);

Influenza Detections in Wastewater







Samples Positive for Flu (Past 3 Samples) O positive

1 positive

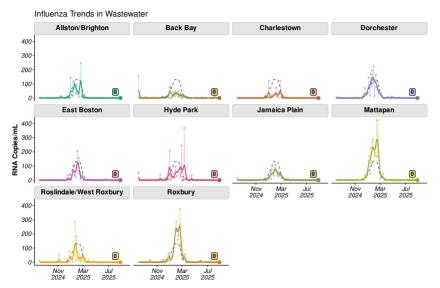
2 positive

0 sites 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.

Influenza Trends in Wastewater by Neighborhood



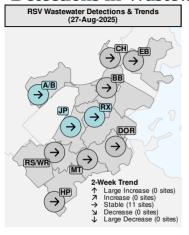


For each neighborhood, colored line and textbox shows the smoothed trend and most recent value in that neighborhood:

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 (Past 3 Samples)

0 nositive

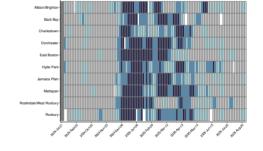
1 positive

2 positive

0 sites

3 positive No Samples Collected

RSV = Respiratory Syncytial Virus

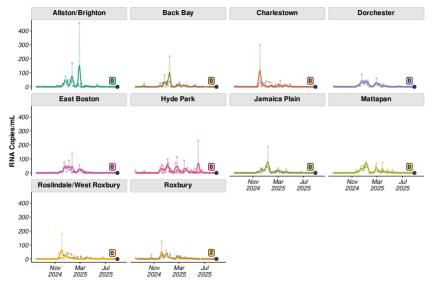


Samples
Positive FRSV 0 positive 1 positive 2 positive 3 positive No Samples Collected
(cost 3 samples)

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 Value	
(Copies/mL)	
>540	
405-540	
270-405	
135-270	
≤135	

2-Week Trend Categories

	Trend Category	Trend Value
	Trend Category	(Copies/mL)
一 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