Boston Wastewater Epidemiology Report

Updated: 10-Sep-2025 | **Data Complete Through**: 07-Sep-2025

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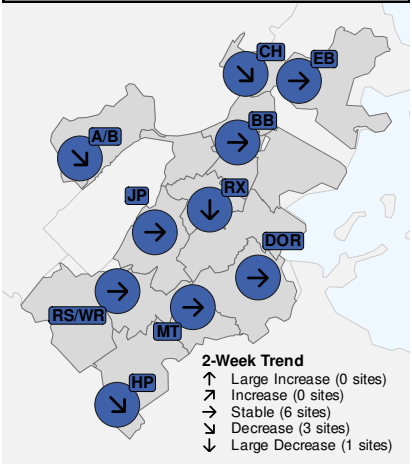
Boston Public
Health Commission

Report Contents

Neighborhood Levels and Trends

COVID-19 Wastewater Levels & Trends (07-Sep-2025)



COVID-19 Level (# sites)

10 sites				
Very Low	*Low*	*Moderate*	*High*	*Very High*

BOSTON CITYWIDE COVID-19 LEVEL & TRENDS

COVID-19 LEVEL	2-WEEK TRENDS
Very Low	↘
30 copies/mL samples through 07-Sep-2025	*Decrease* -52 copies/mL (-64%)

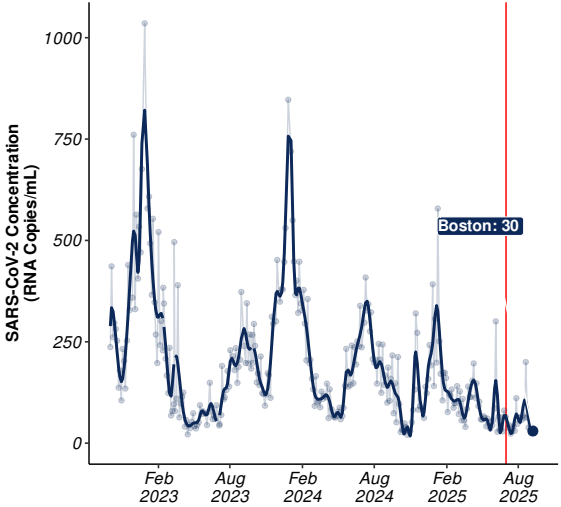
NEIGHBORHOOD SITES COVID-19 LEVEL & TRENDS

Level	Neighborhood/Site	Trend	
Very Low	Allston/Brighton (A/B)	↘	Decrease
	Hyde Park (HP)	↘	Decrease
	Back Bay (BB)	→	Stable
	East Boston (EB)	→	Stable
	Dorchester (DOR 2224)	→	Stable
	Jamaica Plain (JP)	→	Stable
	Mattapan (MT)	→	Stable
	Charlestown (CH)	↘	Decrease
	Roxbury (RX)	↓	Large Decrease
	Roslindale/West Roxbury (RS/WR)	→	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



CITYWIDE AVERAGE	RANGE ACROSS 10 NEIGHBORHOOD SITES
30 *RNA copies/mL*	**5-55** *RNA copies/mL*

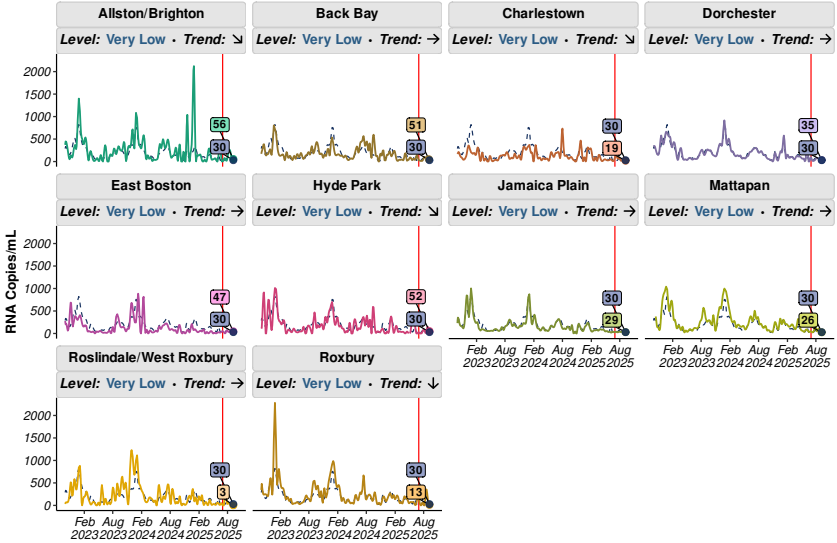
Data through: **07-Sep-2025**

2-WEEK TRENDS

Boston **Decreasing**	**-64%** over the past 14 days

Updated: 10-Sep-2025 | **Samples through:** 07-Sep-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)

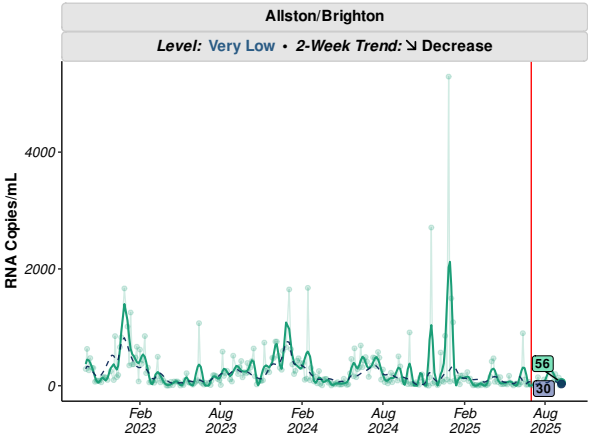
Allston/Brighton

Level: **Very Low**

- Average value in **A/B** over the past week: **56** copies/mL.
- This value is **very low** compared to past values and **similar** than the citywide average (**30** copies/mL).

Trend: ↘ **Decrease**

- Over the past two weeks, values in **A/B** are **decreasing**.
- Change compared to two weeks ago: **-82** copies/mL (**-59%**).



Updated: 10-Sep-2025 | **Samples through:** 07-Sep-2025 (A/B);

See recommended actions and resources based on levels and trends in this neighborhood.

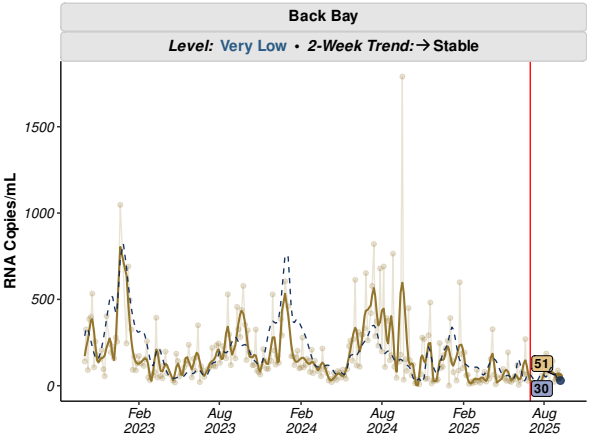
Back Bay

Level: **Very Low**

- Average value in **BB** over the past week: **51** copies/mL.
- This value is **very low** compared to past values and **similar** than the citywide average (**30** copies/mL).

Trend: → **Stable**

- Over the past two weeks, values in **BB** are **stable**.
- Change compared to two weeks ago: **-26** copies/mL (**-34%**).



Updated: 10-Sep-2025 | **Samples through:** 03-Sep-2025 (BB);

See recommended actions and resources based on levels and trends in this neighborhood.

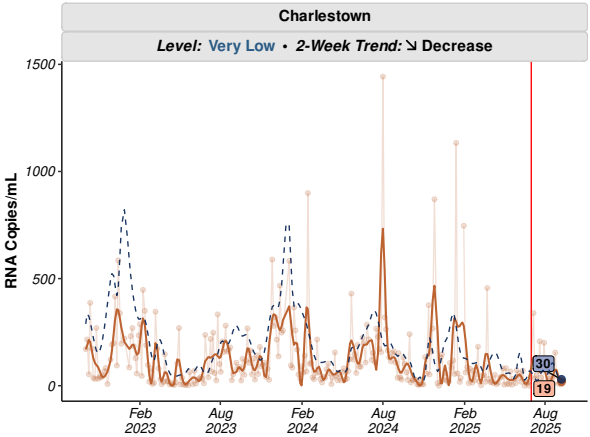
Charlestown

Level: **Very Low**

- Average value in **CH** over the past week: **19** copies/mL.
- This value is **very low** compared to past values and **similar** than the citywide average (**30** copies/mL).

Trend: ↘ **Decrease**

- Over the past two weeks, values in **CH** are **decreasing**.
- Change compared to two weeks ago: **-56** copies/mL (**-75%**).



Updated: 10-Sep-2025 | **Samples through:** 07-Sep-2025 (CH);

See recommended actions and resources based on levels and trends in this neighborhood.

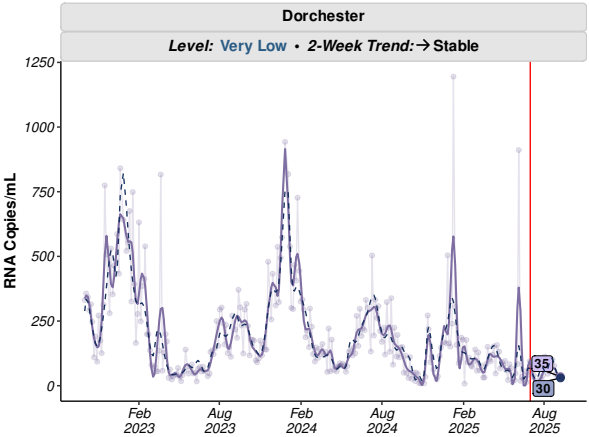
Dorchester

Level: **Very Low**

- Average value in **DOR 2224** over the past week: **35** copies/mL.
- This value is **very low** compared to past values and **similar** than the citywide average (**30** copies/mL).

Trend: → **Stable**

- Over the past two weeks, values in **DOR 2224** are **stable**.
- Change compared to two weeks ago: **-33** copies/mL (**-48%**).



Updated: 10-Sep-2025 | **Samples through:** 07-Sep-2025 (DOR 2224);

See recommended actions and resources based on levels and trends in this neighborhood.

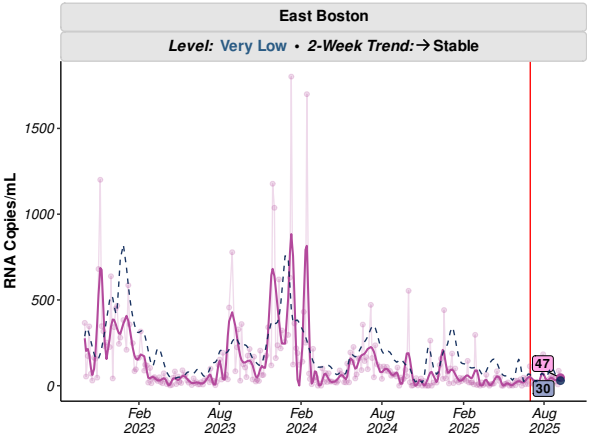
East Boston

Level: **Very Low**

- Average value in **EB** over the past week: **47** copies/mL.
- This value is **very low** compared to past values and **similar** than the citywide average (**30** copies/mL).

Trend: → **Stable**

- Over the past two weeks, values in **EB** are **stable**.
- Change compared to two weeks ago: **+12** copies/mL (**+36%**).



Updated: 10-Sep-2025 | **Samples through:** 07-Sep-2025 (EB);

See recommended actions and resources based on levels and trends in this neighborhood.

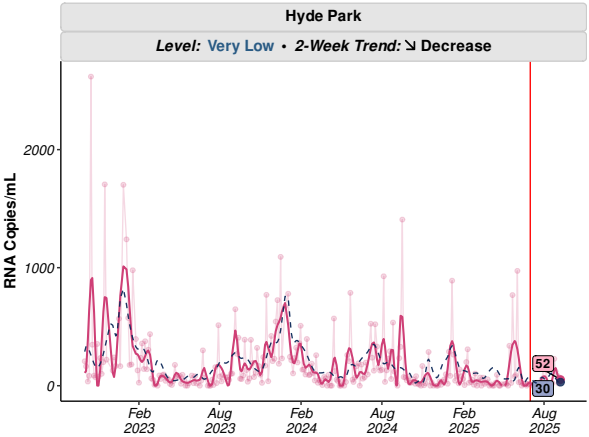
Hyde Park

Level: **Very Low**

- Average value in **HP** over the past week: **52** copies/mL.
- This value is **very low** compared to past values and **similar** than the citywide average (**30** copies/mL).

Trend: ↘ **Decrease**

- Over the past two weeks, values in **HP** are **decreasing**.
- Change compared to two weeks ago: **-78** copies/mL (**-60%**).



Updated: 10-Sep-2025 | **Samples through:** 07-Sep-2025 (HP);

See recommended actions and resources based on levels and trends in this neighborhood.

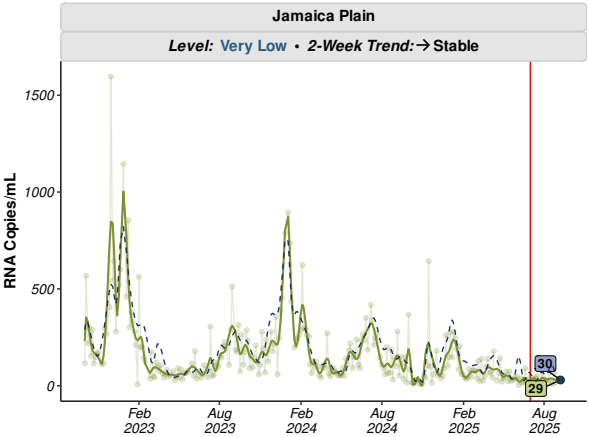
Jamaica Plain

Level: **Very Low**

- Average value in **JP** over the past week: **29** copies/mL.
- This value is **very low** compared to past values and **similar** than the citywide average (**30** copies/mL).

Trend: → **Stable**

- Over the past two weeks, values in **JP** are **stable**.
- Change compared to two weeks ago: **-3** copies/mL (**-9%**).



Updated: 10-Sep-2025 | **Samples through:** 07-Sep-2025 (JP);

See recommended actions and resources based on levels and trends in this neighborhood.

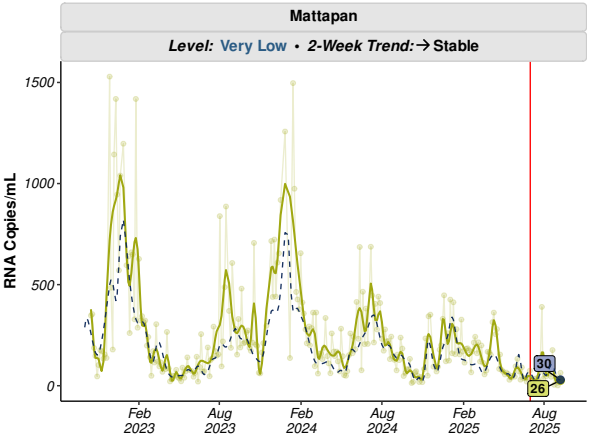
Mattapan

Level: **Very Low**

- Average value in **MT** over the past week: **26** copies/mL.
- This value is **very low** compared to past values and **similar** than the citywide average (**30** copies/mL).

Trend: → **Stable**

- Over the past two weeks, values in **MT** are **stable**.
- Change compared to two weeks ago: **-28** copies/mL (**-52%**).



Updated: 10-Sep-2025 | **Samples through:** 07-Sep-2025 (MT);

See recommended actions and resources based on levels and trends in this neighborhood.

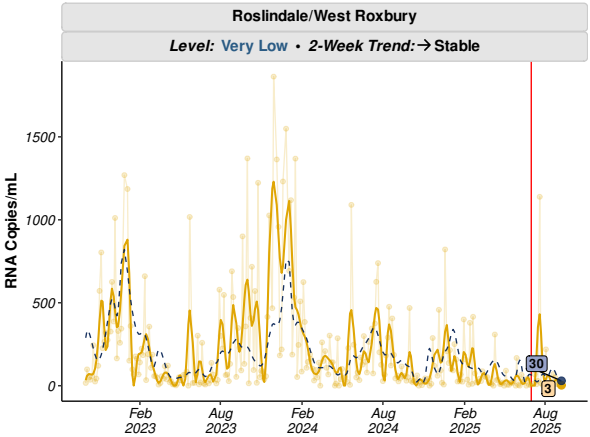
Roslindale/West Roxbury

Level: **Very Low**

- Average value in **RS/WR** over the past week: **3** copies/mL.
- This value is **very low** compared to past values and **similar** than the citywide average (**30** copies/mL).

Trend: → **Stable**

- Over the past two weeks, values in **RS/WR** are **stable**.
- Change compared to two weeks ago: **-31** copies/mL (**-92%**).



Updated: 10-Sep-2025 | **Samples through:** 07-Sep-2025 (RS/WR);

See recommended actions and resources based on levels and trends in this neighborhood.

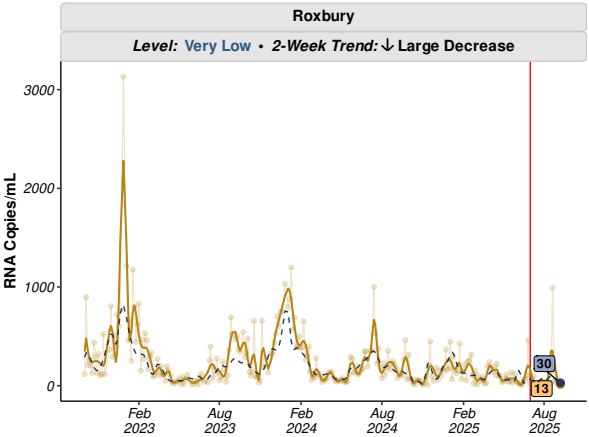
Roxbury

Level: **Very Low**

- Average value in **RX** over the past week: **13** copies/mL.
- This value is **very low** compared to past values and **similar** than the citywide average (**30** copies/mL).

Trend: ↓ **Large Decrease**

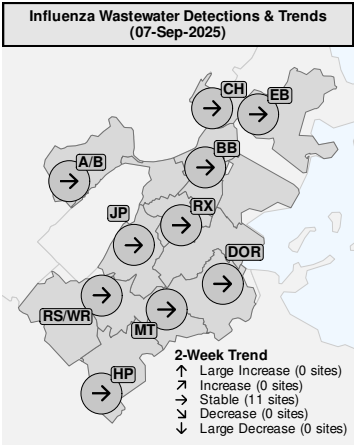
- Over the past two weeks, values in **RX** are **decreasing**.
- Change compared to two weeks ago: **-242** copies/mL (**-95%**).

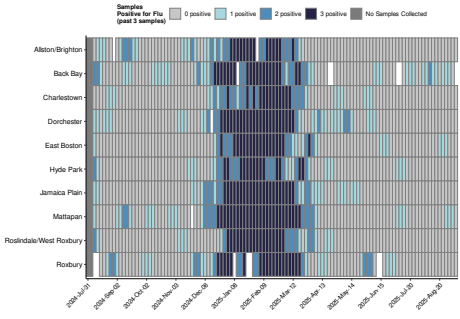


Updated: 10-Sep-2025 | **Samples through:** 07-Sep-2025 (RX);

See recommended actions and resources based on levels and trends in this neighborhood.

Influenza Detections in Wastewater

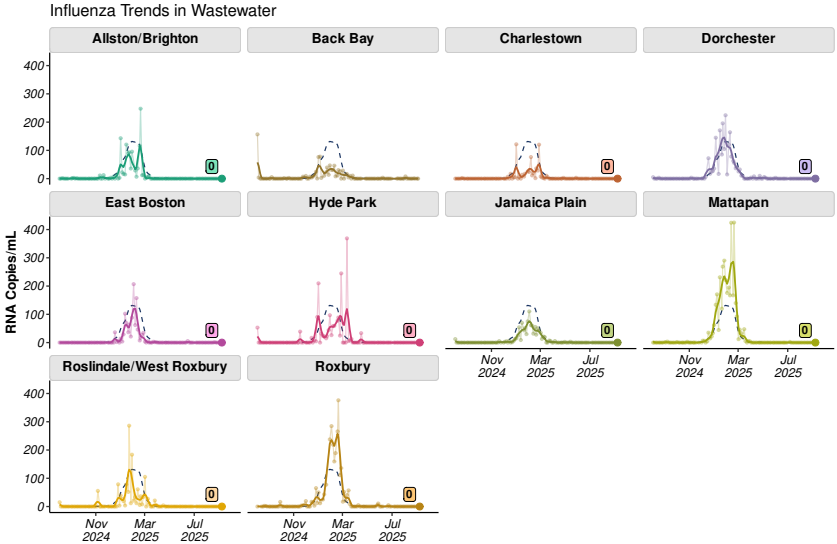




# Samples Positive for Flu (Past 3 Samples)	11 sites	0 sites	0 sites	0 sites	0 sites
	0 positive	*1 positive*	*2 positive*	*3 positive*	*No Samples Collected*

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.

Influenza Trends in Wastewater by Neighborhood



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

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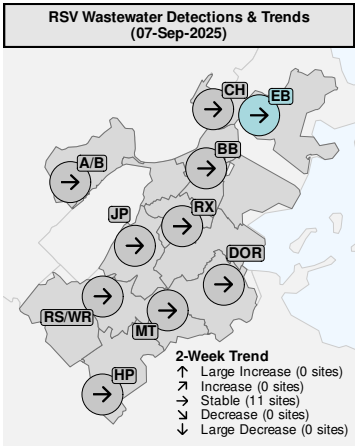
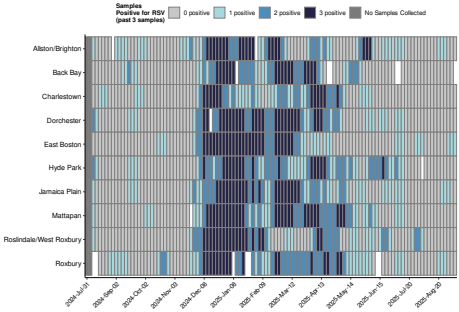
RSV Detections in Wastewater



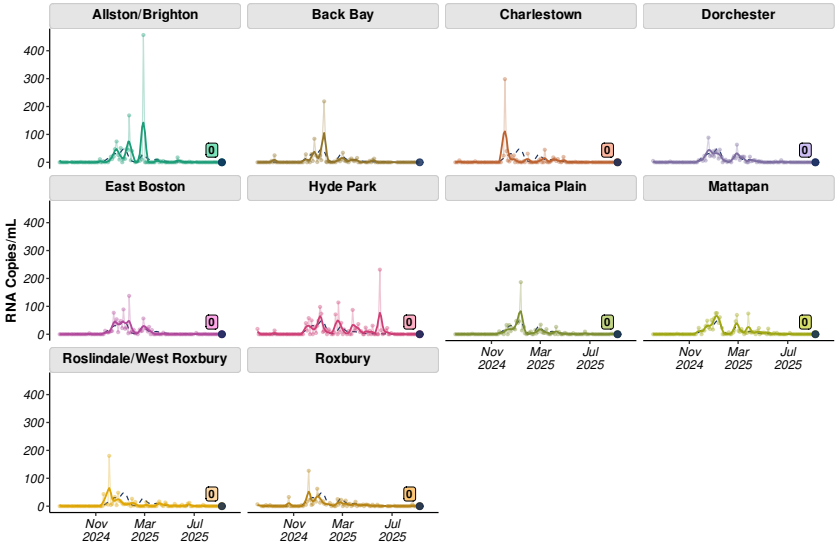


# Samples Positive for RSV (Past 3 Samples)	10 sites	1 sites	0 sites	0 sites	0 sites
	0 positive	*1 positive*	*2 positive*	*3 positive*	*No Samples Collected*

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 Level	Concentration Value (Copies/mL)
Very High	>540
High	405-540
Moderate	270-405
Low	135-270
Very Low	≤135

2-Week Trend Categories

	Trend Category	Trend Value (Copies/mL)
↑	Large Increase	>+175
↗	Increase	+50 to +175
→	Stable	-50 to +50
↘	Decrease	-175 to -50
↓	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 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

RESOURCES

- 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

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 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

RESOURCES

- 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

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 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

RESOURCES

- 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

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

RESOURCES

- 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

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

RESOURCES

- 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