



# Boston Wastewater Epidemiology Report

Updated: 31-Dec-2025 | Data Complete Through: 22-Dec-2025

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Boston Public  
Health Commission



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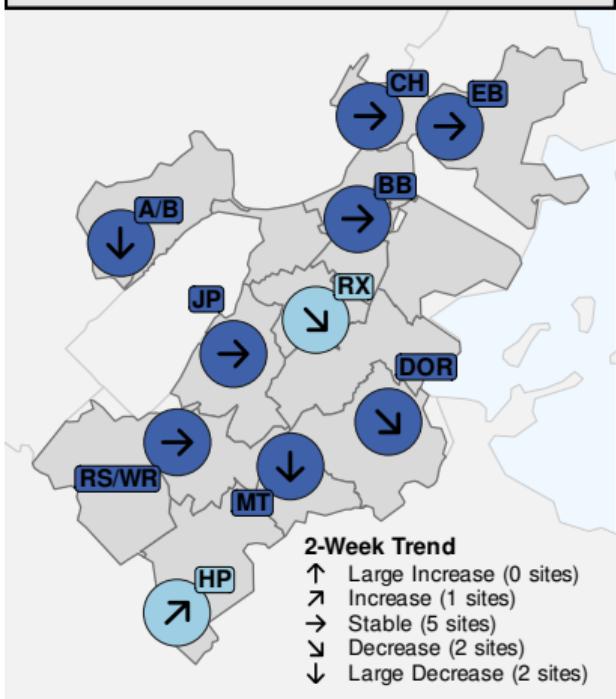
- COVID-19 Wastewater Level and Trend Category Definitions
- Recommendations and Resources by Level

- Level: Very High
- Level: High
- Level: Moderate
- Level: Low
- Level: Very Low



# Neighborhood Levels and Trends

## COVID-19 Wastewater Levels & Trends (22-Dec-2025)



## BOSTON CITYWIDE COVID-19 LEVEL & TRENDS

### COVID-19 LEVEL

**Very Low**

32 copies/mL  
samples through 22-Dec-2025

### 2-WEEK TRENDS



Decrease

-56 copies/mL (-63%)

## NEIGHBORHOOD SITES COVID-19 LEVEL & TRENDS

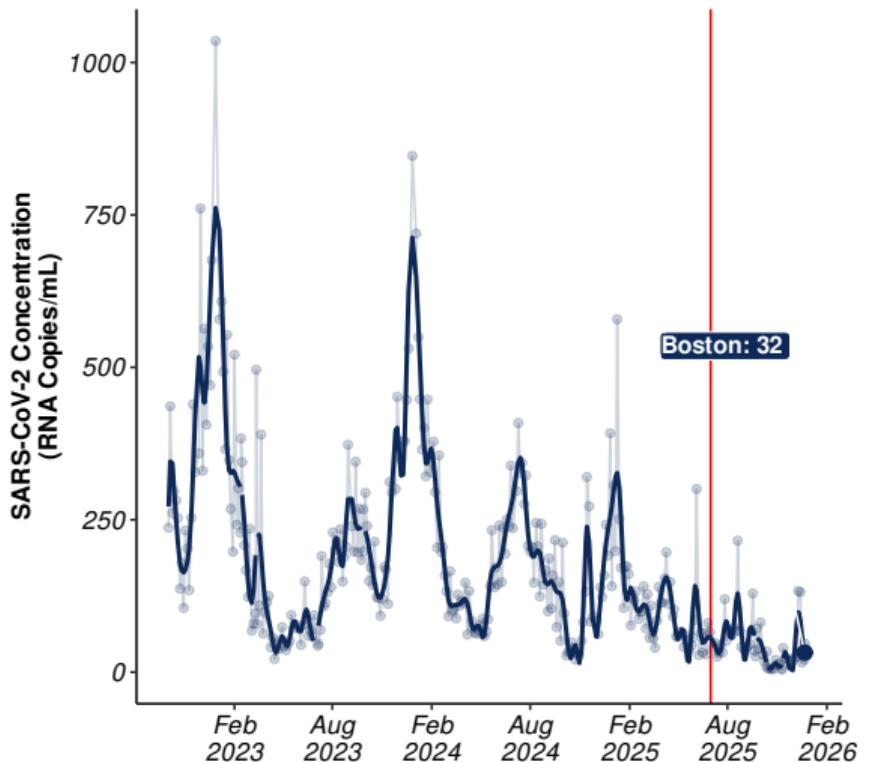
Level	Neighborhood/Site	Trend
Low	Roxbury (RX)	↘ Decrease
	Hyde Park (HP)	↗ Increase
	East Boston (EB)	→ Stable
	Jamaica Plain (JP)	→ Stable
	Charlestown (CH)	→ Stable
	Back Bay (BB)	→ Stable
	Roslindale/West Roxbury (RS/WR)	→ Stable
Very Low	Mattapan (MT)	⬇ Large Decrease
	Dorchester (DOR 2224)	↘ Decrease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

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: 31-Dec-2025 | Samples through: 22-Dec-2025

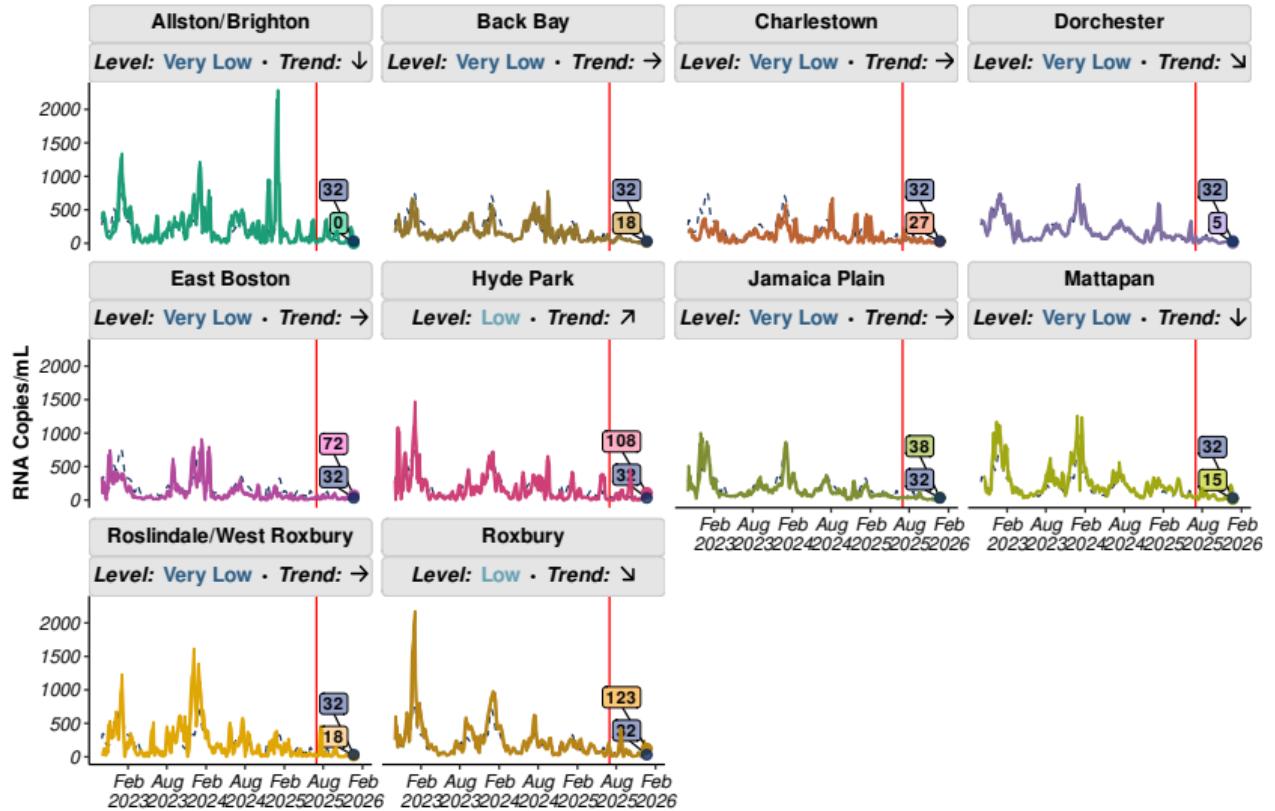
CITYWIDE AVERAGE	RANGE ACROSS 10 NEIGHBORHOOD SITES
<b>32</b> RNA copies/mL	<b>10-128</b> RNA copies/mL

Data through: 22-Dec-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)



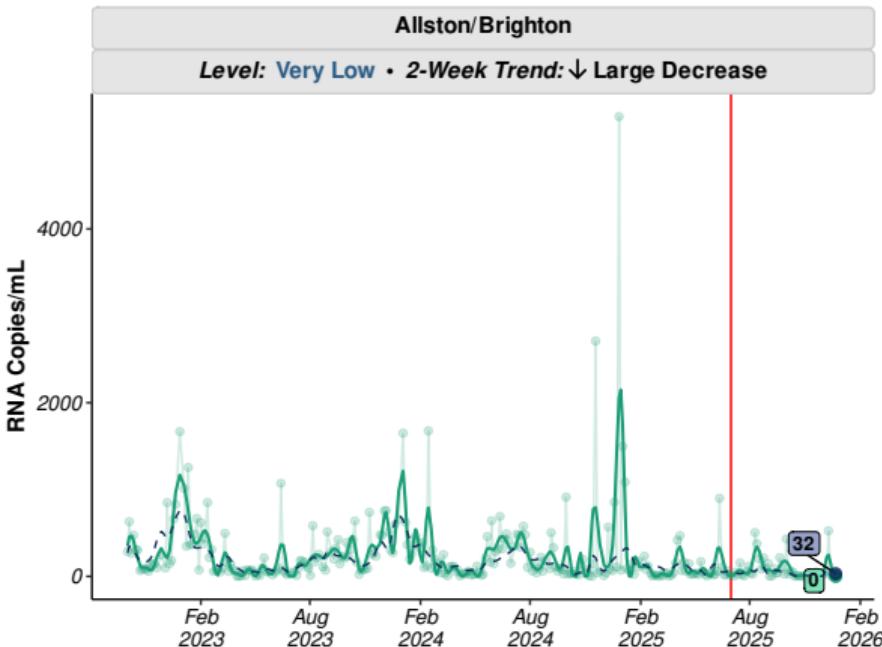
# Allston/Brighton

Level: **Very Low**

- Average value in A/B over the past week: 0 copies/mL.
- This value is **very low** compared to past values and similar than the citywide average (32 copies/mL).

Trend: **↓ Large Decrease**

- Over the past two weeks, values in A/B are decreasing.
- Change compared to two weeks ago: -238 copies/mL (-100%).



Updated: 31-Dec-2025 | Samples through: 22-Dec-2025 (A/B);

See [recommended actions and resources](#) based on levels and trends in this neighborhood.



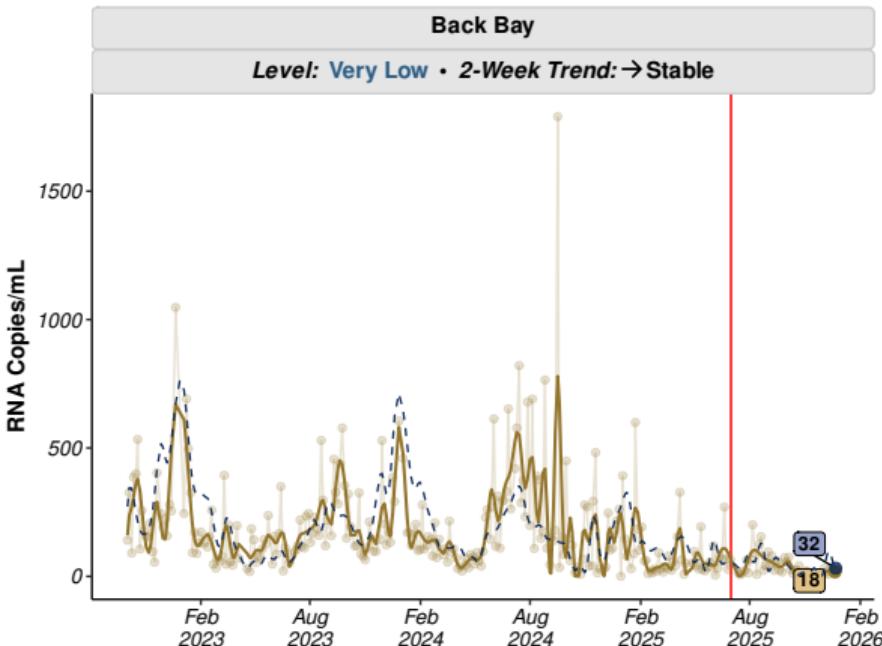
# Back Bay

Level: **Very Low**

- Average value in BB over the past week: 18 copies/mL.
- This value is **very low** compared to past values and similar than the citywide average (32 copies/mL).

Trend: **→ Stable**

- Over the past two weeks, values in BB are stable.
- Change compared to two weeks ago: -1 copies/mL (-4%).



See [recommended actions and resources](#) based on levels and trends in this neighborhood.



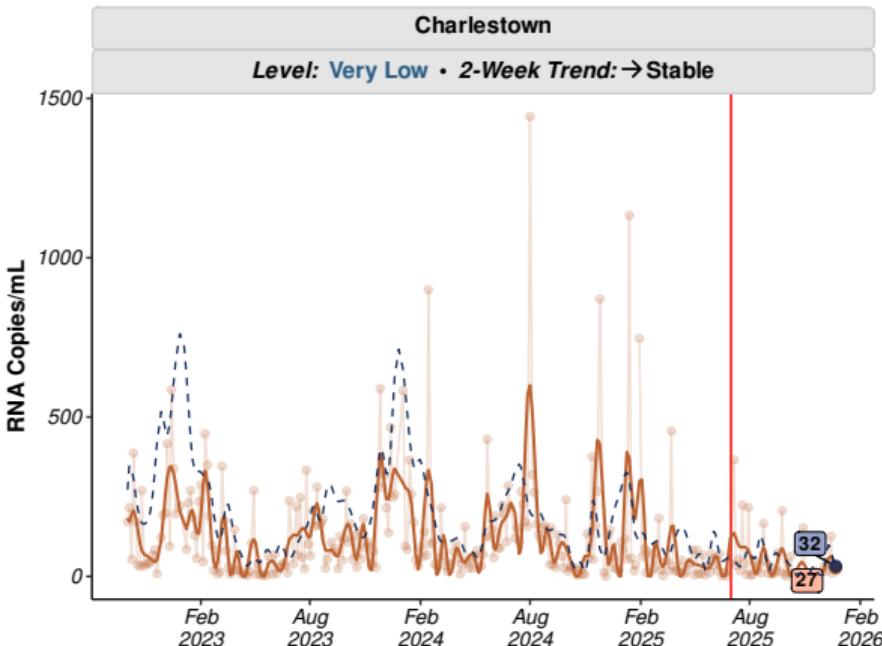
# Charlestown

Level: **Very Low**

- Average value in CH over the past week: 27 copies/mL.
- This value is **very low** compared to past values and similar than the citywide average (32 copies/mL).

Trend: **→ Stable**

- Over the past two weeks, values in CH are stable.
- Change compared to two weeks ago: -20 copies/mL (-43%).



Updated: 31-Dec-2025 | Samples through: 22-Dec-2025 (CH);

See [recommended actions and resources](#) based on levels and trends in this neighborhood.



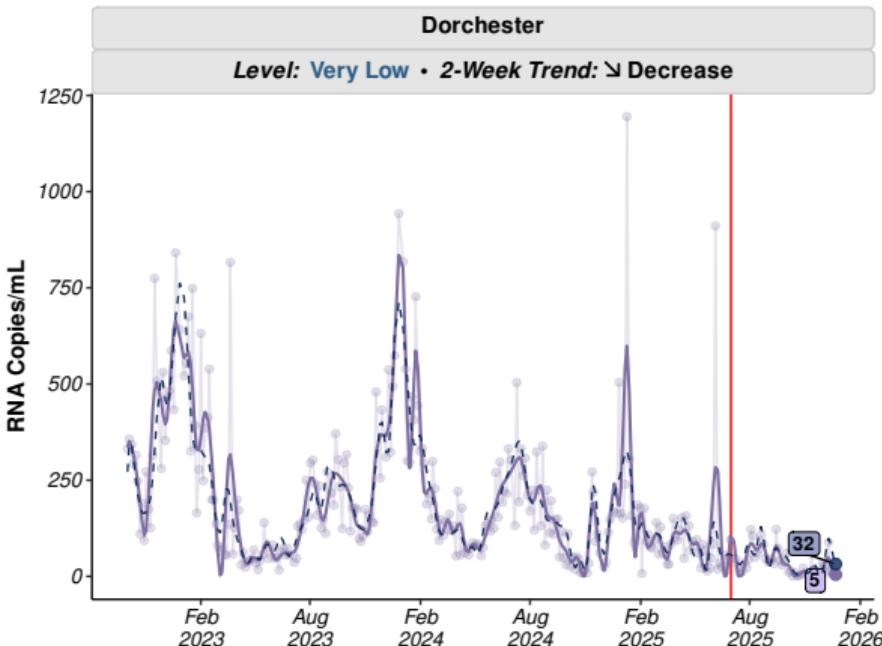
# Dorchester

Level: **Very Low**

- Average value in **DOR 2224** over the past week: **5** copies/mL.
- This value is **very low** compared to past values and **similar** than the citywide average (**32** copies/mL).

Trend: **Decrease**

- Over the past two weeks, values in **DOR 2224** are **decreasing**.
- Change compared to two weeks ago: **-44** copies/mL (**-90%**).



Updated: 31-Dec-2025 | Samples through: 22-Dec-2025 (DOR 2224);

See [recommended actions and resources](#) based on levels and trends in this neighborhood.



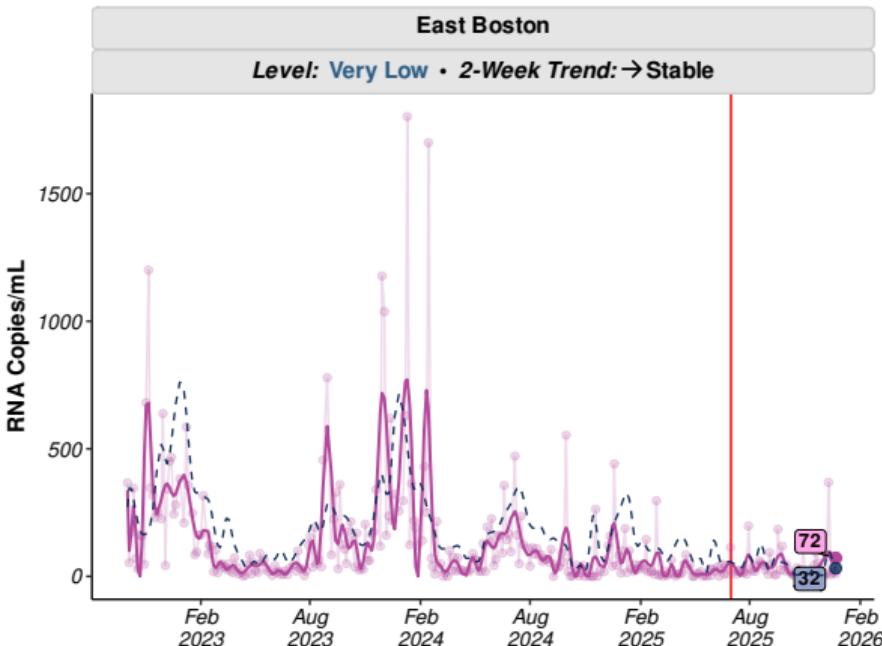
# East Boston

Level: **Very Low**

- Average value in EB over the past week: 72 copies/mL.
- This value is **very low** compared to past values and similar than the citywide average (32 copies/mL).

Trend: **→ Stable**

- Over the past two weeks, values in EB are stable.
- Change compared to two weeks ago: -20 copies/mL (-22%).



Updated: 31-Dec-2025 | Samples through: 22-Dec-2025 (EB);

See [recommended actions and resources](#) based on levels and trends in this neighborhood.



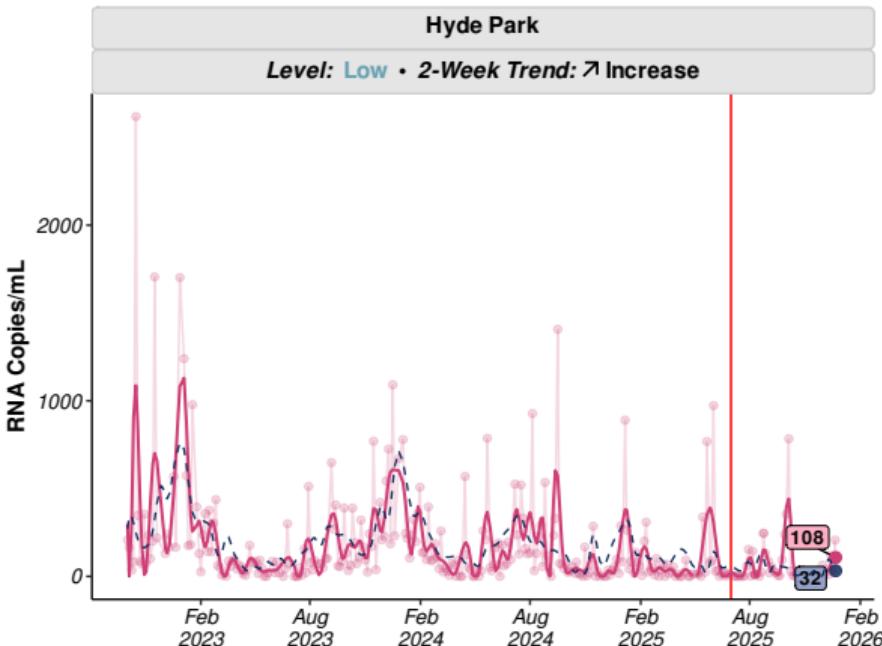
# Hyde Park

Level: **Low**

- Average value in **HP** over the past week: **108** copies/mL.
- This value is **low** compared to past values and **similar** than the citywide average (**32** copies/mL).

Trend: **↗ Increase**

- Over the past two weeks, values in **HP** are **increasing**.
- Change compared to two weeks ago: **+80** copies/mL (**+287%**).



Updated: 31-Dec-2025 | Samples through: 22-Dec-2025 (HP);

See [recommended actions and resources](#) based on levels and trends in this neighborhood.



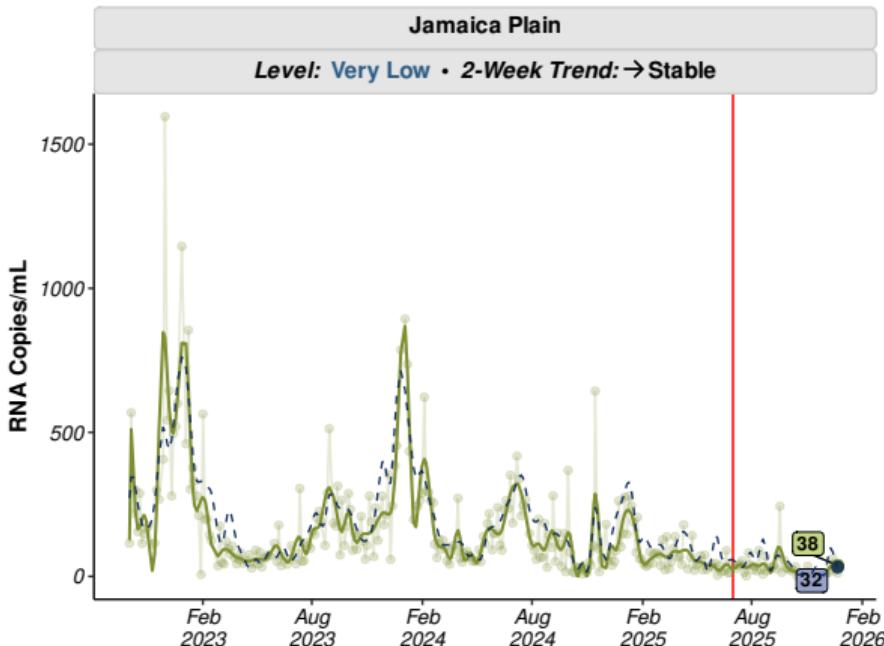
# Jamaica Plain

Level: **Very Low**

- Average value in JP over the past week: 38 copies/mL.
- This value is **very low** compared to past values and similar than the citywide average (32 copies/mL).

Trend: **→ Stable**

- Over the past two weeks, values in JP are stable.
- Change compared to two weeks ago: +8 copies/mL (+29%).



See [recommended actions and resources](#) based on levels and trends in this neighborhood.

# Mattapan

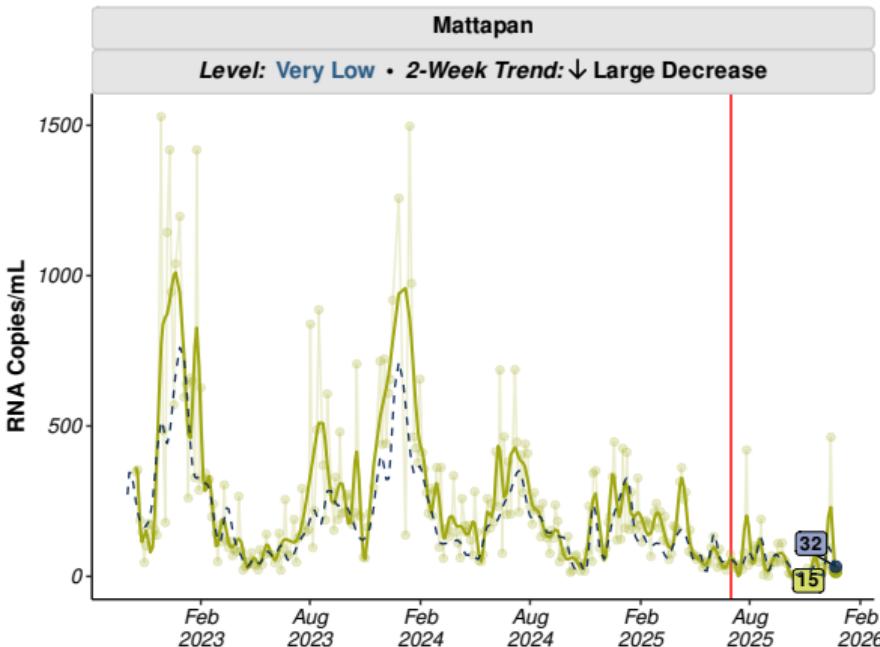


Level: **Very Low**

- Average value in MT over the past week: 15 copies/mL.
- This value is **very low** compared to past values and similar than the citywide average (32 copies/mL).

Trend: **↓ Large Decrease**

- Over the past two weeks, values in MT are decreasing.
- Change compared to two weeks ago: -129 copies/mL (-89%).



See [recommended actions and resources](#) based on levels and trends in this neighborhood.



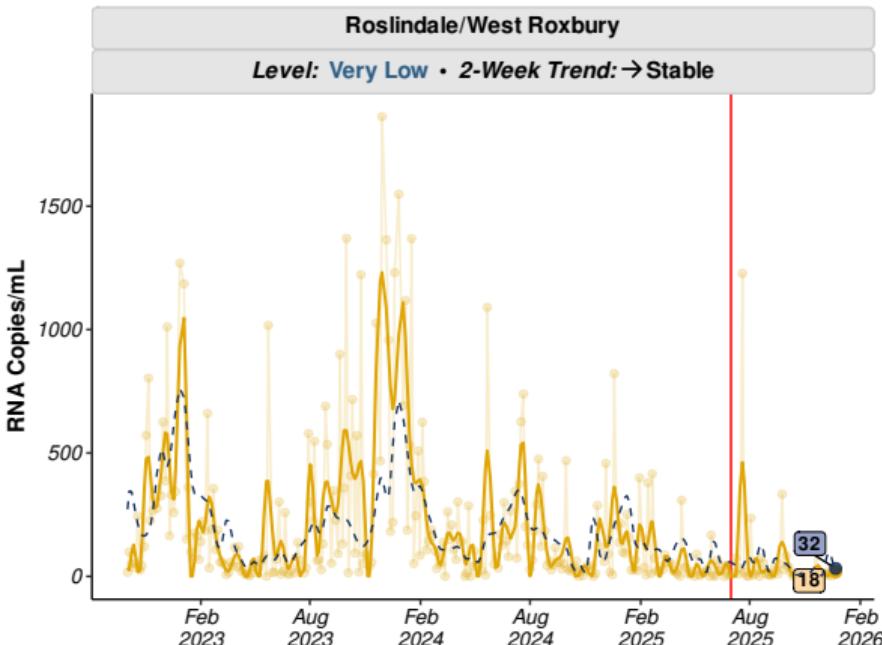
# Roslindale/West Roxbury

Level: **Very Low**

- Average value in RS/WR over the past week: 18 copies/mL.
- This value is very low compared to past values and similar than the citywide average (32 copies/mL).

Trend: **→ Stable**

- Over the past two weeks, values in RS/WR are stable.
- Change compared to two weeks ago: +16 copies/mL (+602%).



Updated: 31-Dec-2025 | Samples through: 22-Dec-2025 (RS/WR);

See [recommended actions and resources](#) based on levels and trends in this neighborhood.



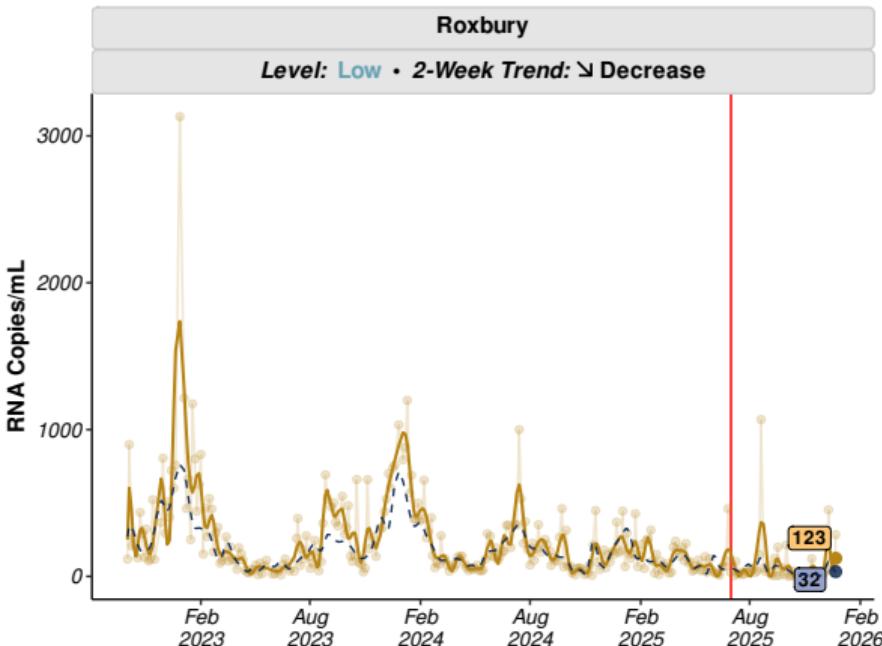
# Roxbury

Level: **Low**

- Average value in RX over the past week: 123 copies/mL.
- This value is low compared to past values and similar than the citywide average (32 copies/mL).

Trend: **↓ Decrease**

- Over the past two weeks, values in RX are decreasing.
- Change compared to two weeks ago: -108 copies/mL (-47%).



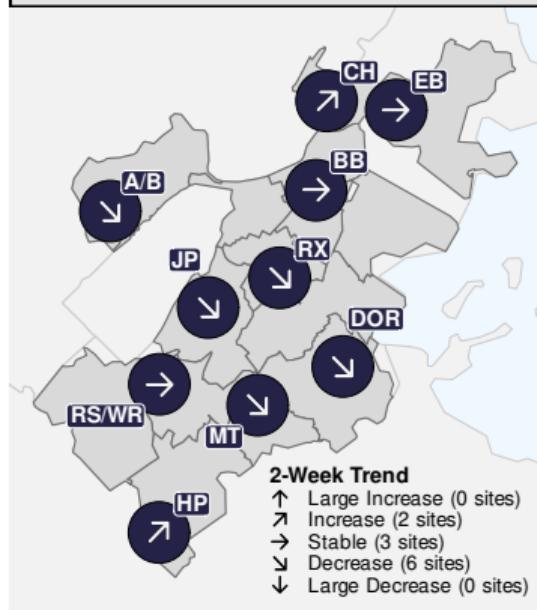
Updated: 31-Dec-2025 | Samples through: 22-Dec-2025 (RX);

See [recommended actions and resources](#) based on levels and trends in this neighborhood.



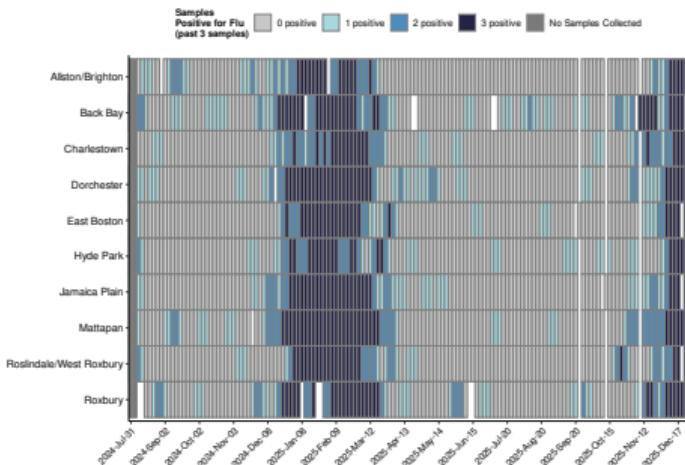
# Influenza Detections in Wastewater

## Influenza Wastewater Detections & Trends (22-Dec-2025)



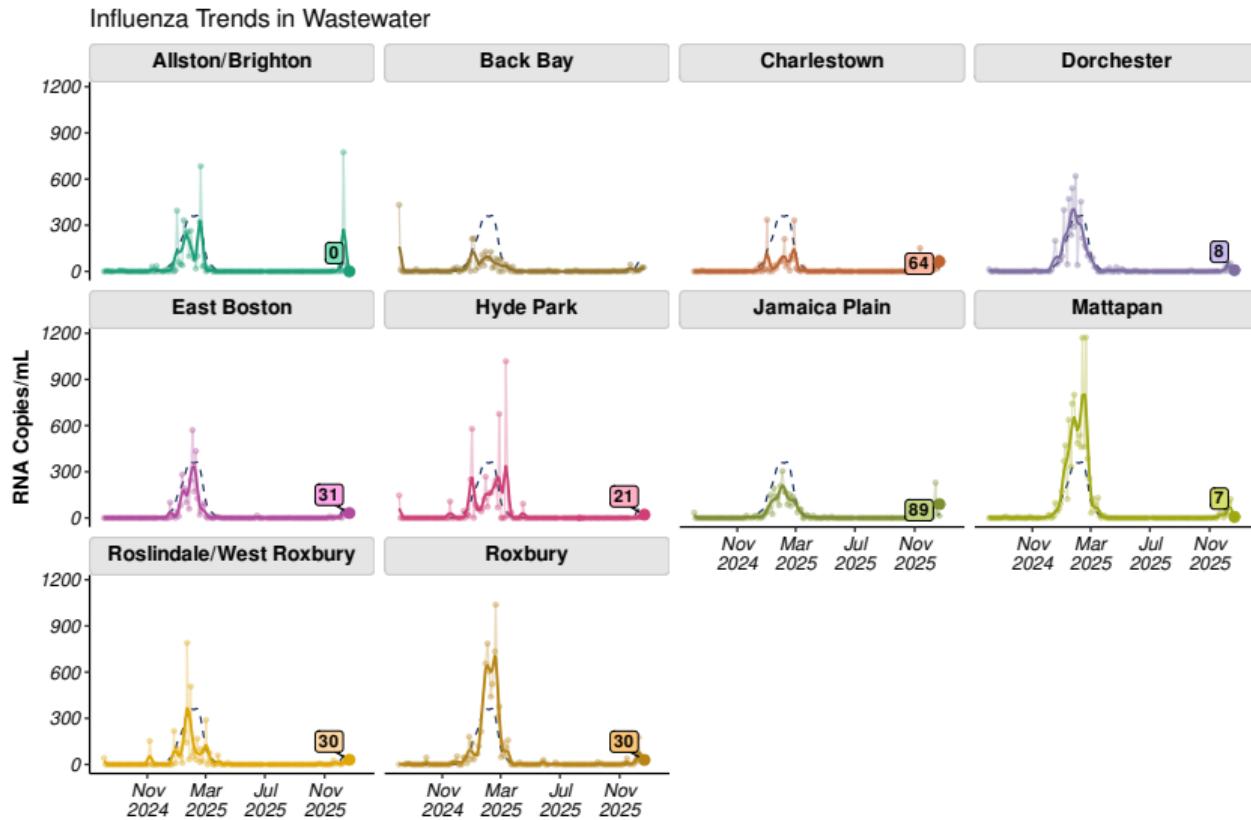
# Samples Positive for Flu (Past 3 Samples)	1 sites	0 sites	0 sites	10 sites	0 sites
	0 positive	1 positive	2 positive	3 positive	No Samples Collected

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



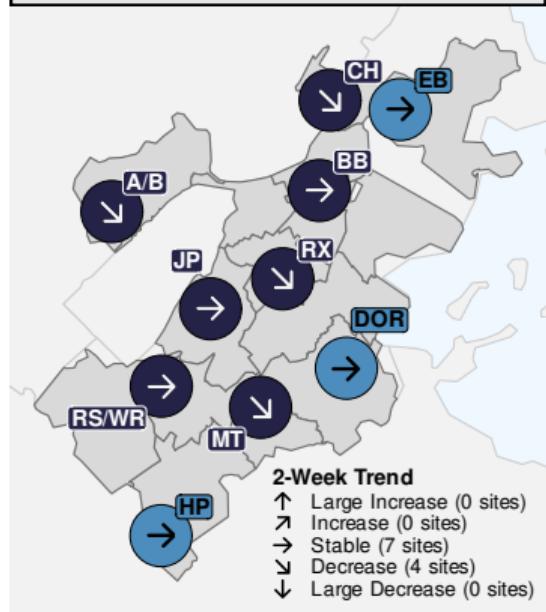
For each neighborhood, colored line and textbox shows the smoothed trend and most recent value in that neighborhood;

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

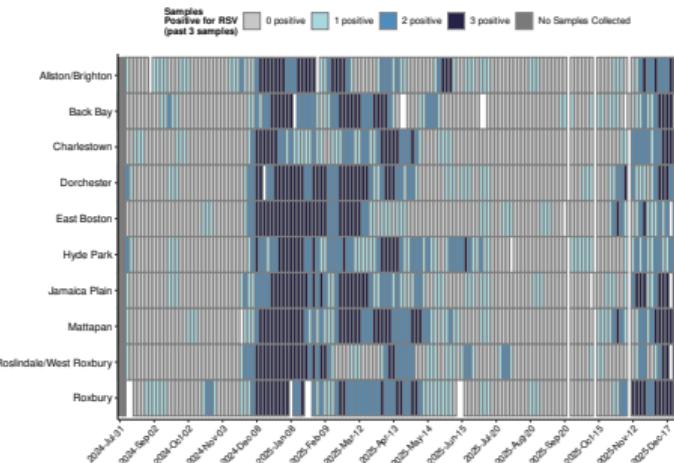
## RSV Wastewater Detections & Trends (22-Dec-2025)



# Samples Positive for RSV (Past 3 Samples)	1 sites	0 sites	3 sites	7 sites	0 sites
	0 positive	1 positive	2 positive	3 positive	No Samples Collected

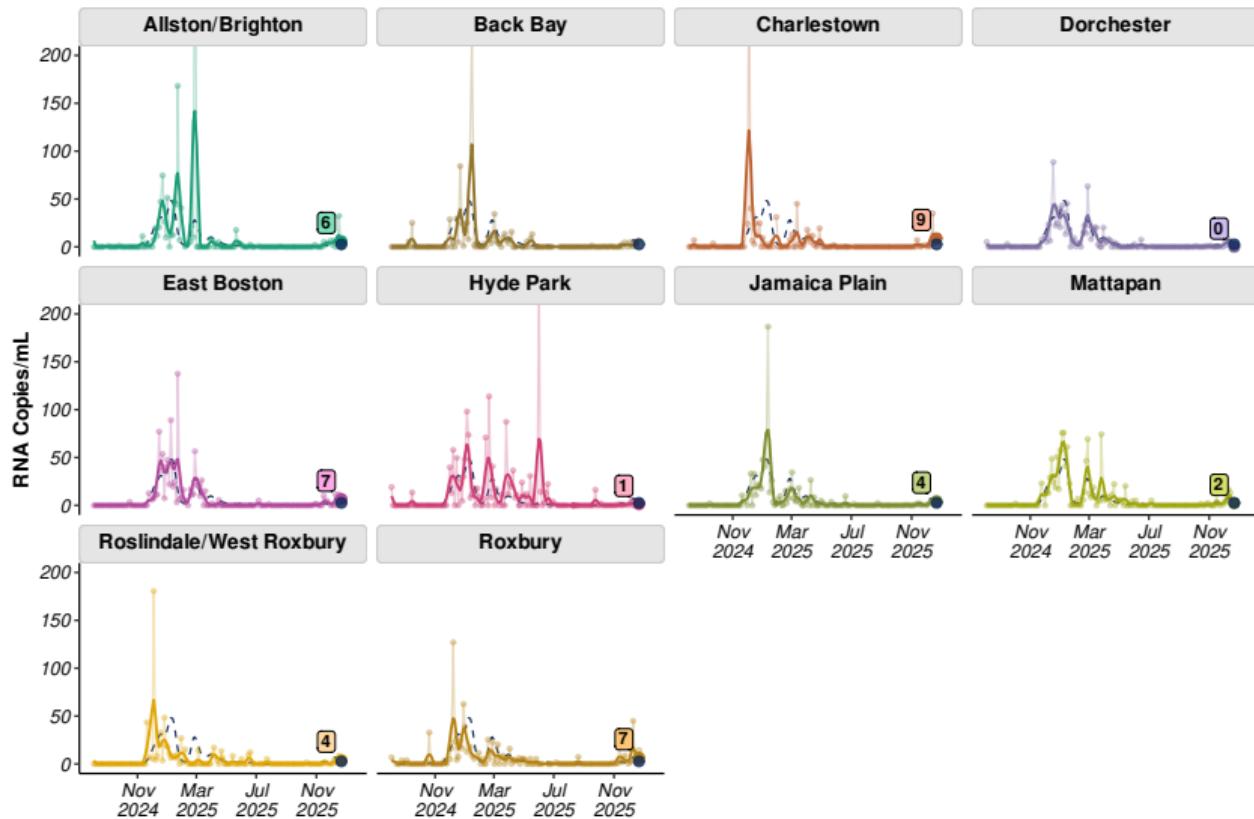
RSV = Respiratory Syncytial Virus

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	>320
High	240-320
Moderate	160-240
Low	80-160
Very Low	≤80

## 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 large groups or 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](#).
- Seek testing and possible treatment if you get sick
- [Stay home when you are sick](#) and avoid contact with others who are sick
- Regularly clean and disinfect frequently touched surfaces
- Improve [indoor airflow and ventilation](#)
- Wash your hands often with soap and water for at least 20 seconds and cover coughs and sneezes

## RESOURCES

- Find a [vaccination clinic](#) in your neighborhood
- Call or visit the [Mayor's Health Line](#)
- [Learn more](#) about respiratory illnesses like [COVID-19](#), [the flu](#), and [RSV](#)

# 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](#).
- Seek testing and possible treatment if you get sick
- [Stay home when you are sick](#) and avoid contact with others who are sick
- Regularly clean and disinfect frequently touched surfaces
- Improve [indoor airflow and ventilation](#)
- Wash your hands often with soap and water for at least 20 seconds and cover coughs and sneezes

## RESOURCES

- Find a [vaccination clinic](#) in your neighborhood
- Call or visit the [Mayor's Health Line](#)
- [Learn more](#) about respiratory illnesses like [COVID-19](#), [the flu](#), and [RSV](#)



# 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.
- Seek testing and possible treatment if you get sick
- Stay home when you are sick and avoid contact with others who are sick
- Regularly clean and disinfect frequently touched surfaces
- Improve indoor airflow and ventilation
- Wash your hands often with soap and water for at least 20 seconds and cover coughs and sneezes

## RESOURCES

- Find a vaccination clinic in your neighborhood
- Call or visit the Mayor's Health Line
- Learn more about respiratory illnesses like COVID-19, the flu, and RSV



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](#).
- Seek testing and possible treatment if you get sick
- [Stay home when you are sick](#) and avoid contact with others who are sick
- Regularly clean and disinfect frequently touched surfaces
- Improve [indoor airflow and ventilation](#)
- Wash your hands often with soap and water for at least 20 seconds and cover coughs and sneezes

## RESOURCES

- Find a [vaccination clinic](#) in your neighborhood
- Call or visit the [Mayor's Health Line](#)
- [Learn more](#) about respiratory illnesses like [COVID-19](#), [the flu](#), and [RSV](#)



# 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](#).
- Seek testing and possible treatment if you get sick
- [Stay home when you are sick](#) and avoid contact with others who are sick
- Regularly clean and disinfect frequently touched surfaces
- Improve [indoor airflow and ventilation](#)
- Wash your hands often with soap and water for at least 20 seconds and cover coughs and sneezes

## RESOURCES

- Find a [vaccination clinic](#) in your neighborhood
- Call or visit the [Mayor's Health Line](#)
- [Learn more](#) about respiratory illnesses like [COVID-19](#), [the flu](#), and [RSV](#)