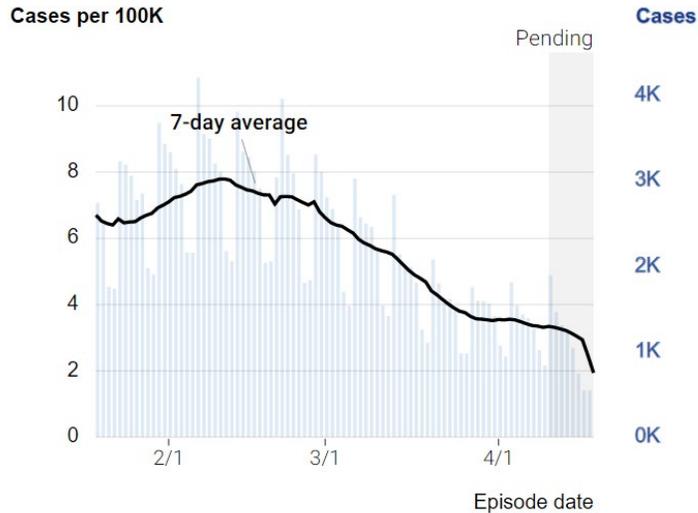
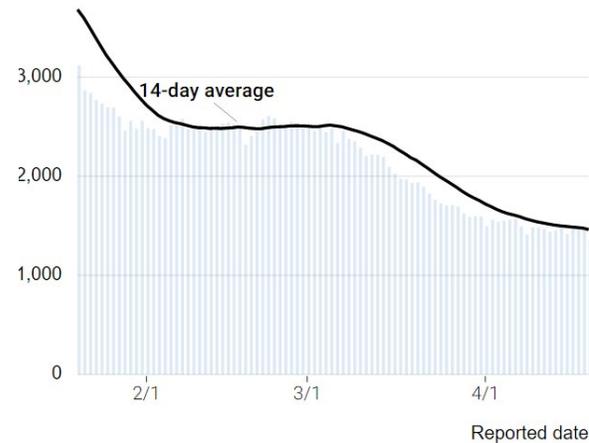


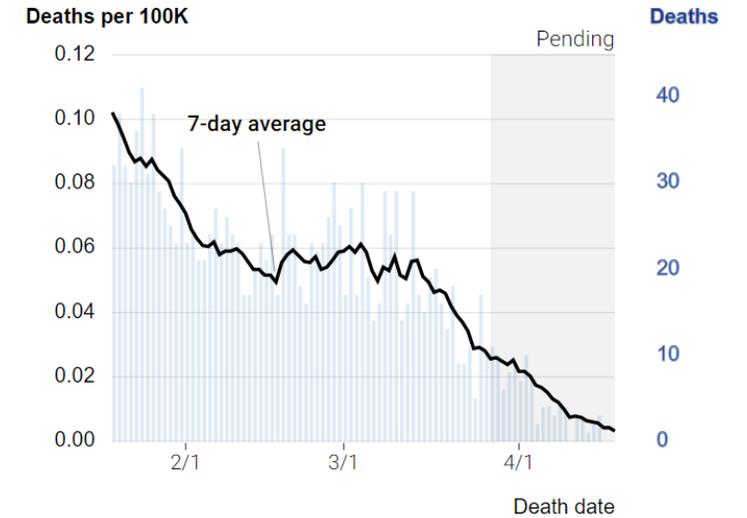
Testing Taskforce: New California COVID-19 cases, hospitalizations and deaths



14 day average Hospitalizations



7 day Average Deaths



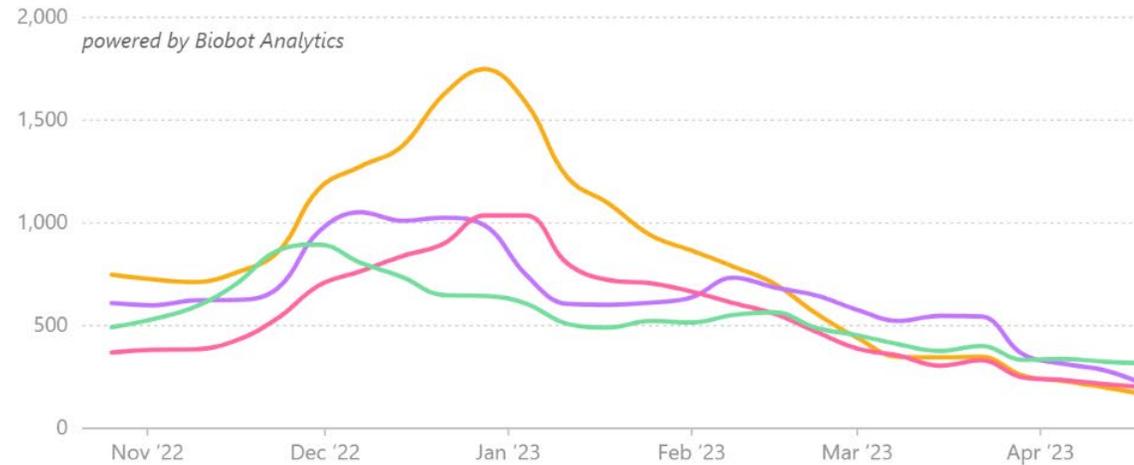
Average test positivity past 7 days 5.4%, up 0.8% from last week
Cases remain at relatively low levels
14 day average hospitalizations have declined to previous lows.
7 day average deaths remain at low levels.

Wastewater data

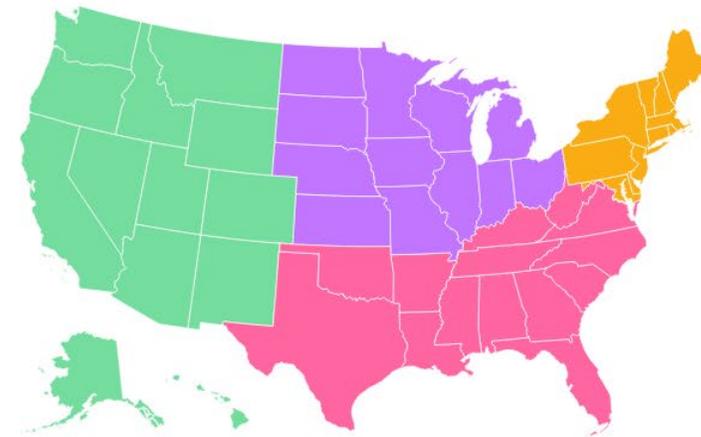
Show nationwide average

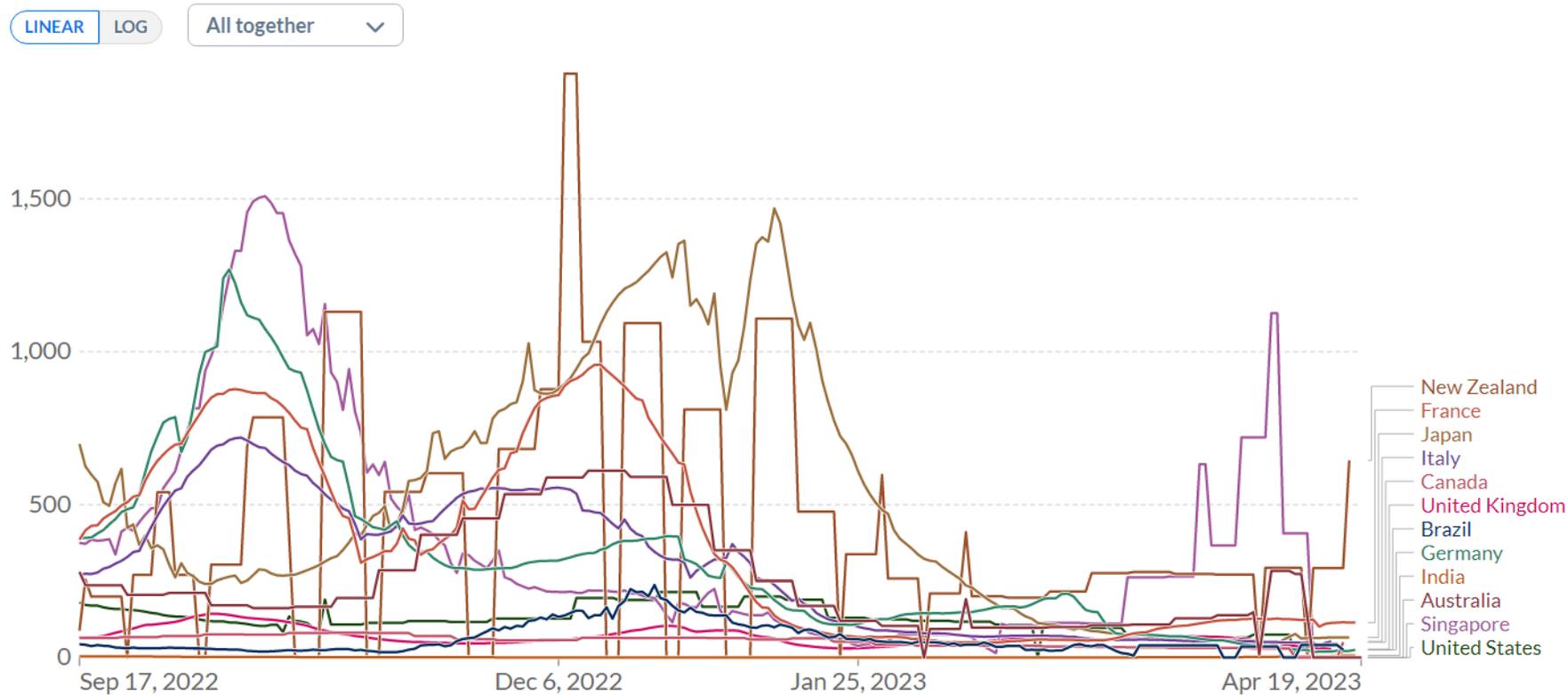
Total results **Last 6 months** Last 6 weeks

Wastewater: Effective SARS-CoV-2 virus concentration (copies / mL of sewage)



Source: Wastewater data from Biobot Analytics





Source: WHO COVID-19 Dashboard

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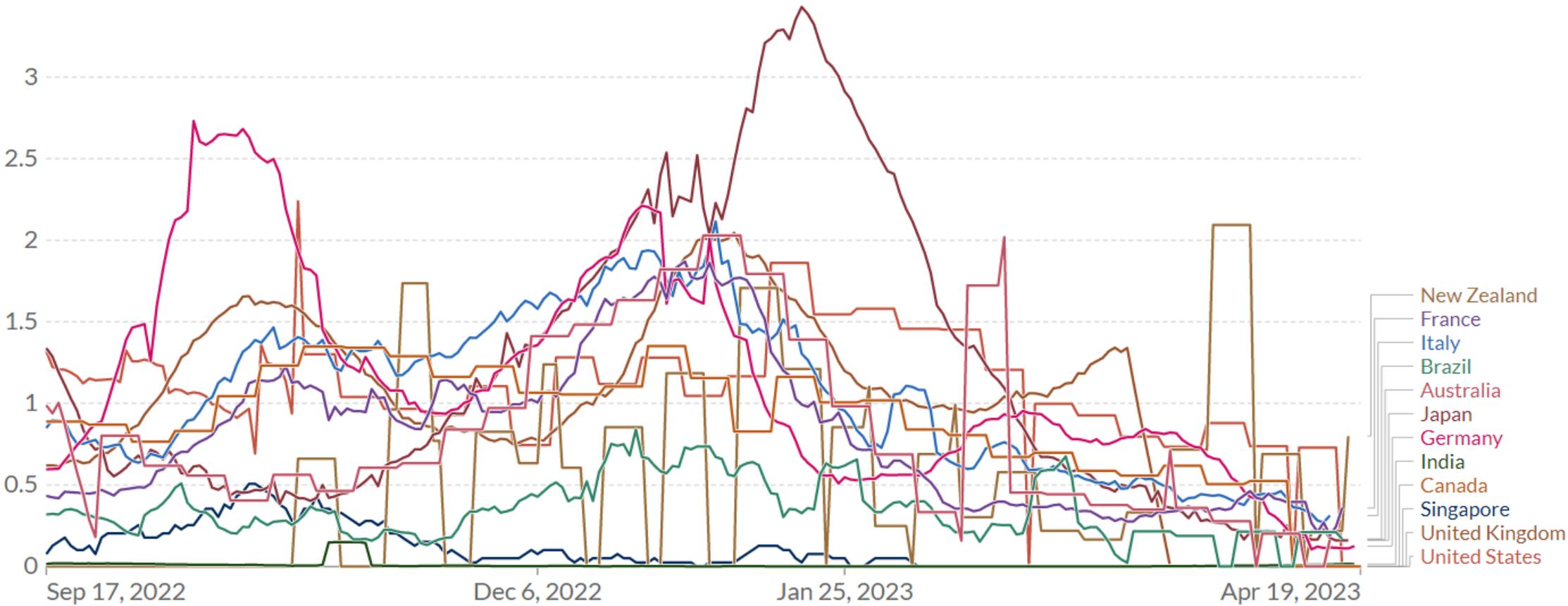


COVID-19 cases are low in many countries around the world. There has been a rise and fall in cases in India and Singapore coinciding with an increasing prevalence of XBB.1.16 In the US cases are staying steady and relatively low.

Daily new confirmed COVID-19 deaths per million people

7-day rolling average. Due to varying protocols and challenges in the attribution of the cause of death, the number of confirmed deaths may not accurately represent the true number of deaths caused by COVID-19.

LINEAR LOG All together ▾

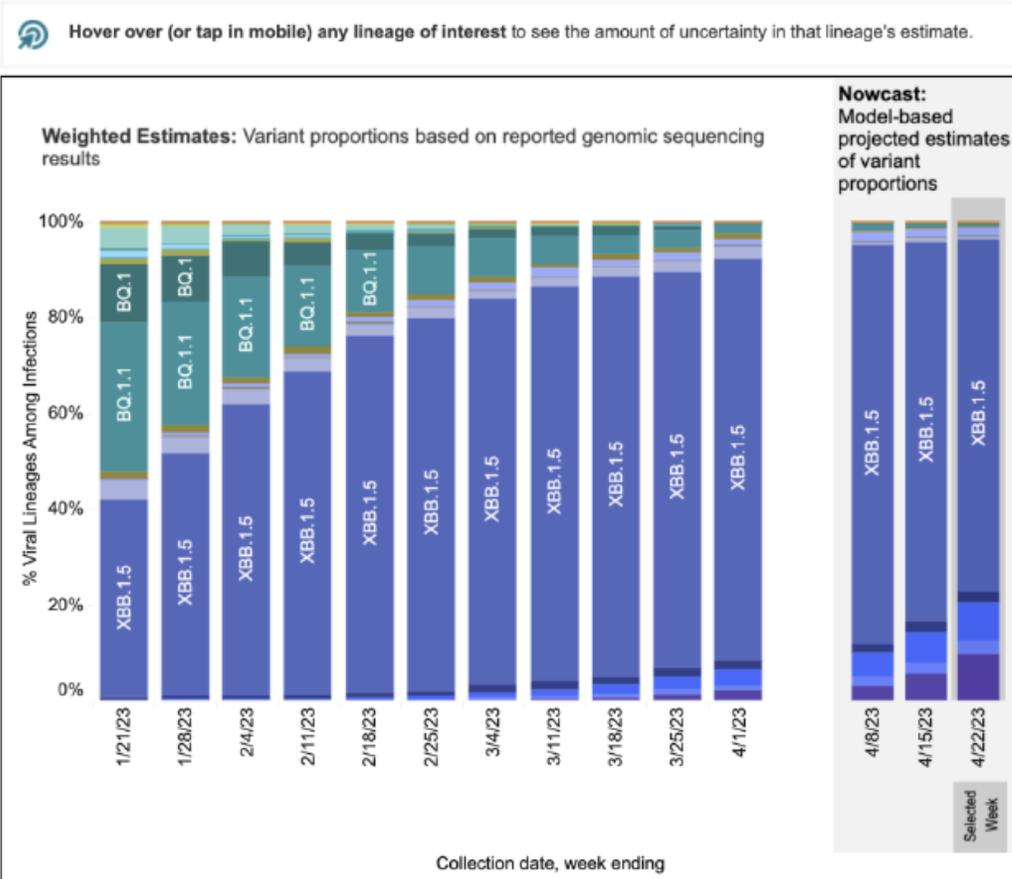


Source: WHO COVID-19 Dashboard

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Variant Update: CDC Nowcast Estimate

Weighted and Nowcast Estimates in United States for Weeks of 1/15/2023 – 4/22/2023



Nowcast Estimates in United States for 4/16/2023 – 4/22/2023

USA					
WHO label	Lineage #	US Class	%Total	95%PI	
Omicron	XBB.1.5	VOC	73.6%	69.6-77.3%	-5.7%
	XBB.1.16	VOC	9.6%	6.7-13.6%	+3.9%
	XBB.1.9.1	VOC	7.9%	6.1-10.1%	+1.5%
	XBB.1.9.2	VOC	2.9%	2.1-4.0%	+0.7%
	XBB.1.5.1	VOC	2.2%	1.7-2.8%	0.0%
	FD.2	VOC	1.6%	0.7-3.2%	0.0%
	XBB	VOC	1.0%	0.6-1.8%	0.0%
	BQ.1.1	VOC	0.7%	0.4-1.1%	-0.3%
	CH.1.1	VOC	0.4%	0.2-0.5%	0.0%
	BQ.1	VOC	0.1%	0.0-0.1%	0.0%
	BN.1	VOC	0.0%	0.0-0.0%	0.0%
	BA.5	VOC	0.0%	0.0-0.0%	0.0%
	BA.2.75	VOC	0.0%	0.0-0.0%	0.0%
	BA.2	VOC	0.0%	0.0-0.0%	0.0%
	BF.7	VOC	0.0%	0.0-0.0%	0.0%
	BA.2.75.2	VOC	0.0%	0.0-0.0%	0.0%
BA.5.2.6	VOC	0.0%	0.0-0.0%	0.0%	
BF.11	VOC	0.0%	0.0-0.0%	0.0%	
BA.4.6	VOC	0.0%	0.0-0.0%	0.0%	
Other	Other*		0.1%	0.0-0.1%	0.0%

- XBB.1.5 continues to decline as XBB.1.16 increases
- Small increases in XBB.1.9 sublineages as well

XBB.1.16

- WHO variant under monitoring as of March 30th
- • Lineage has rapidly increased in India followed by other Countries. Now rising in the US
- Leading countries (India and Singapore) are showing spike in cases

Compared to XBB.1.5

- XBB.1.16 has two S protein substitutions: E180V and T478R
- Relative effective reproduction number is ~1.2 fold greater
- Paxlovid still works
- Lineage not tracked by CDC yet on nowcast

Other Lineages to watch

- XBB.1.5.1 – Growing slightly in the US
- XBB.1.9.1 – Seen in Europe for some time. Growing slightly in the US

Paxlovid Resistance Currently Not Seen

- Currently we are **NOT** seeing signs of mutations in SARS-CoV-2 likely to impact the effectiveness of Paxlovid
- We are monitoring the genomic sequencing data for known Paxlovid resistance mutations

Figure 1. Percentage of Influenza Detections at Clinical Sentinel Laboratories, 2017–2023 Season to Date

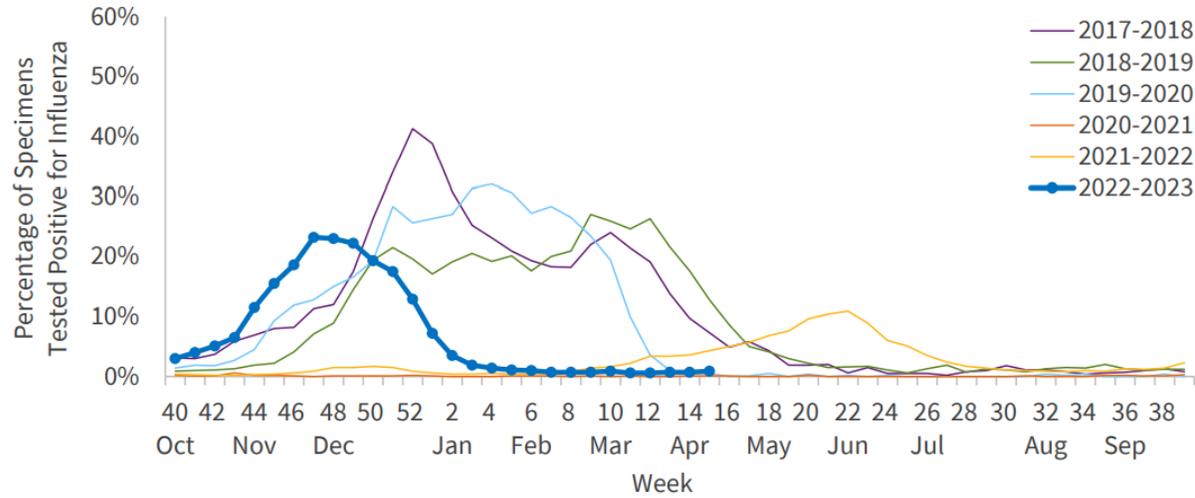


Figure 13. Percentage of RSV Detections at Clinical Sentinel Laboratories, 2017–2023 Season to Date

