

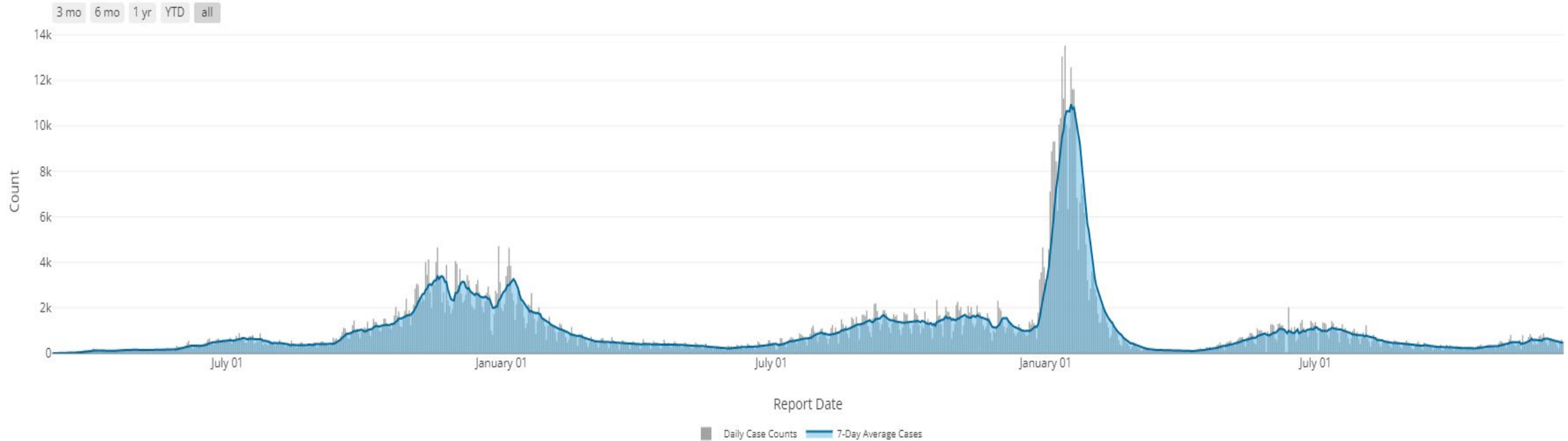
# COVID-19 Surveillance Update

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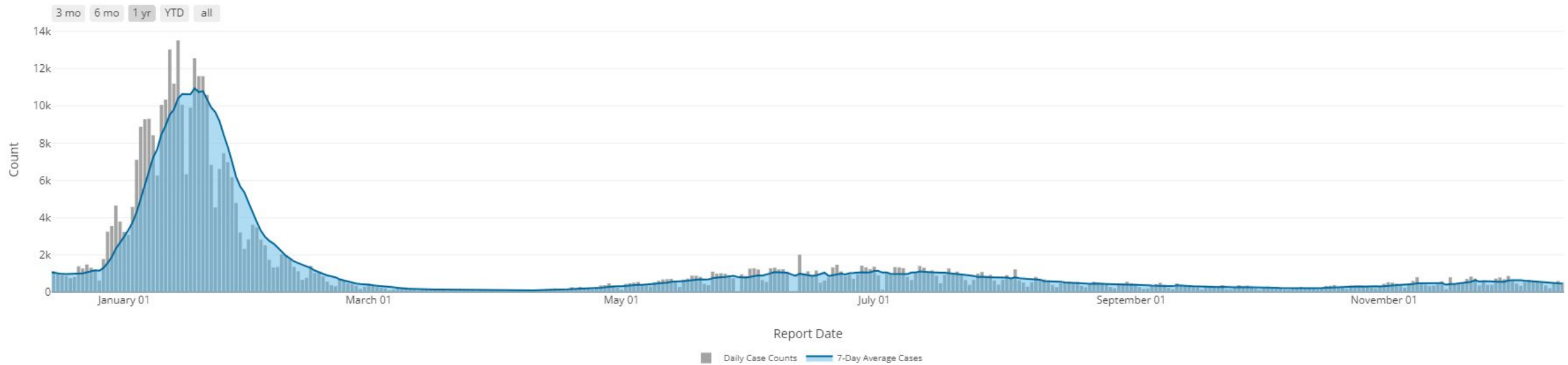
12/16/2022

Randon Gruninger, MPH

# COVID-19 Case Counts



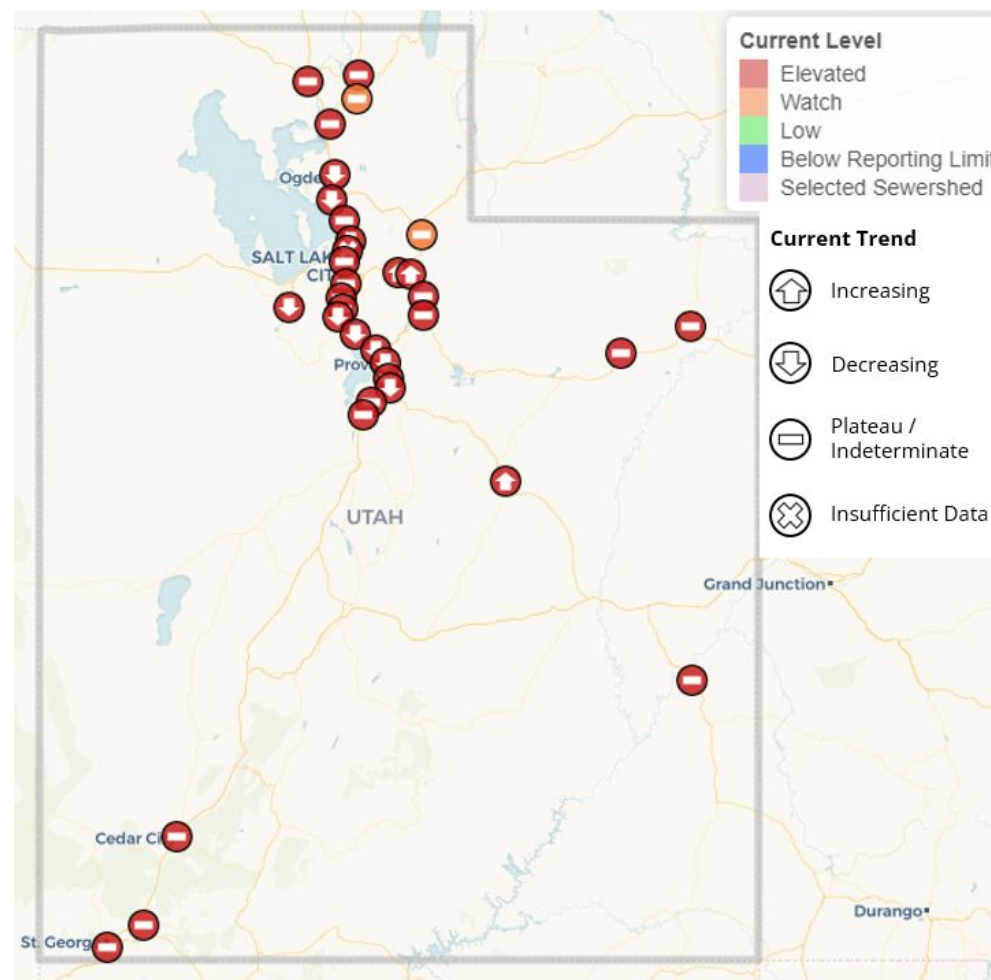
# COVID-19 Case Counts in Past Year



# COVID-19 Wastewater

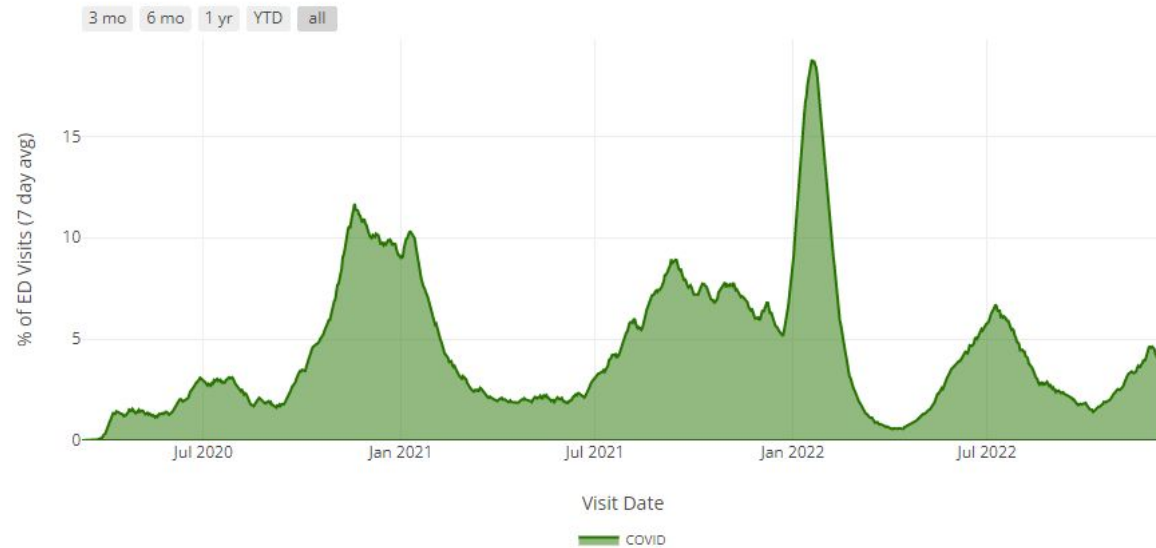
Wastewater Level	Number of Sites	Percent of Sites
Elevated	32	94.1%
Watch	2	5.9%
Low	0	0%

Wastewater Trend	Number of Sites	Percent of Sites
Increasing	3	8.8%
Plateau/Indeterminate	21	61.8%
Decreasing	9	26.5%
Insufficient Data	1	2.9%

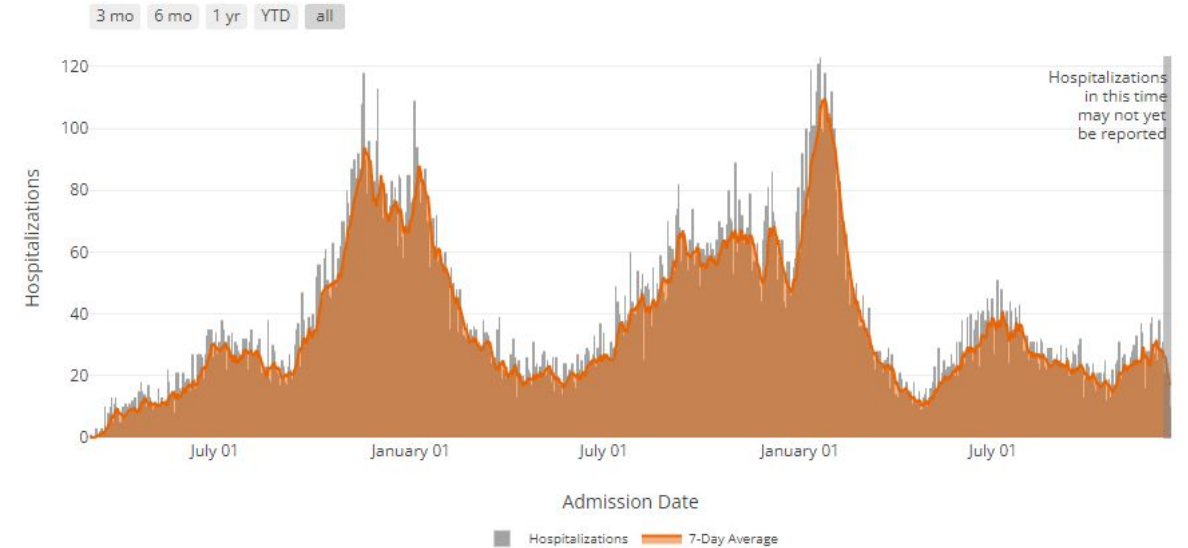


# COVID-19 Severe Disease

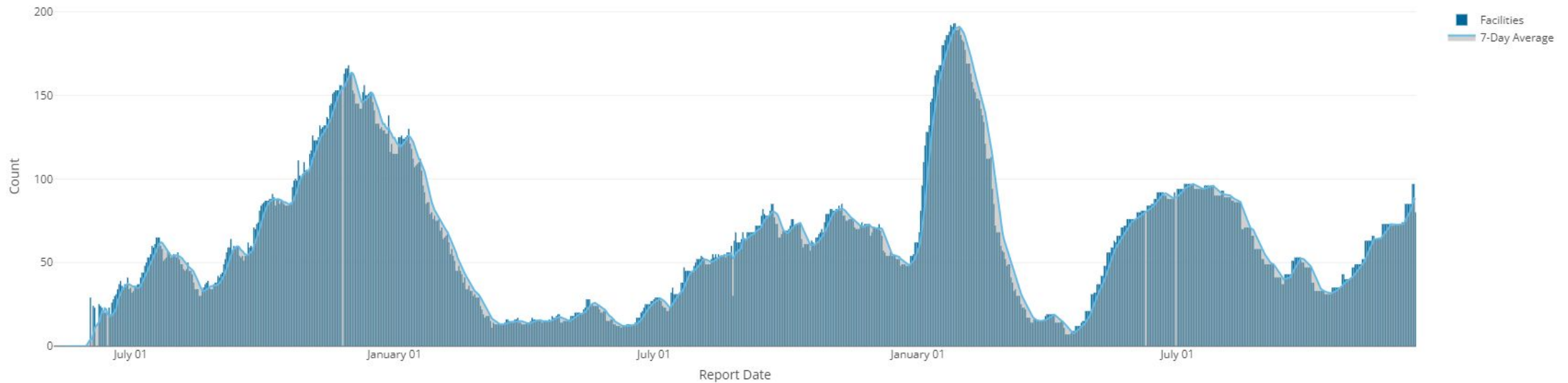
Syndromic Surveillance: Percent of Emergency Departments (ED) Visits Diagnosed with COVID-19



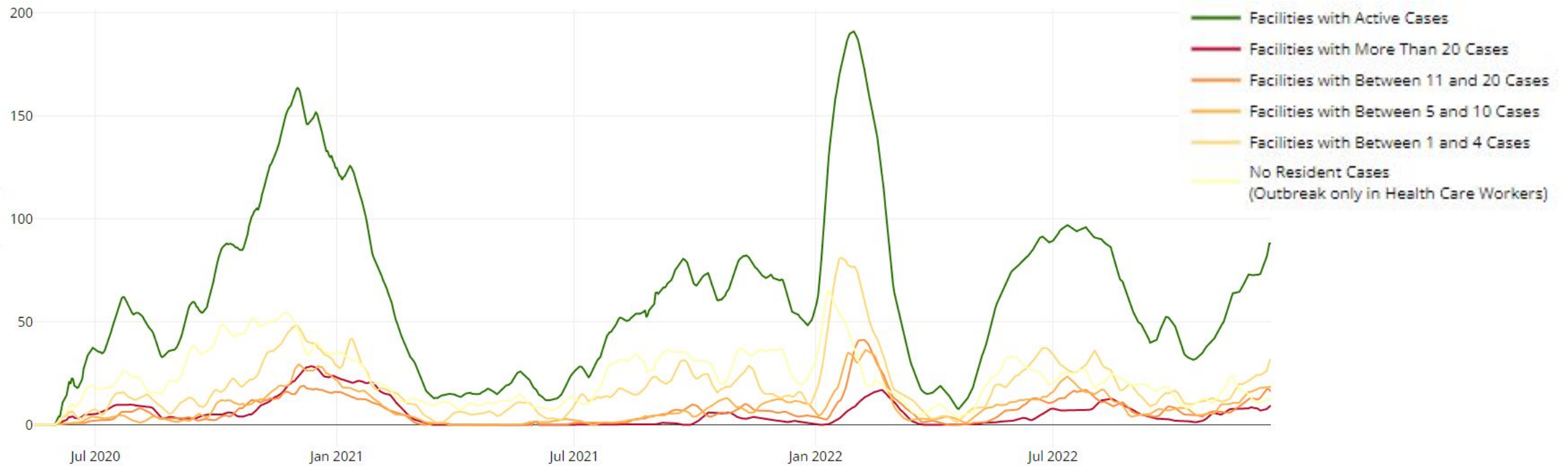
COVID-19 Hospitalizations by Admission Date



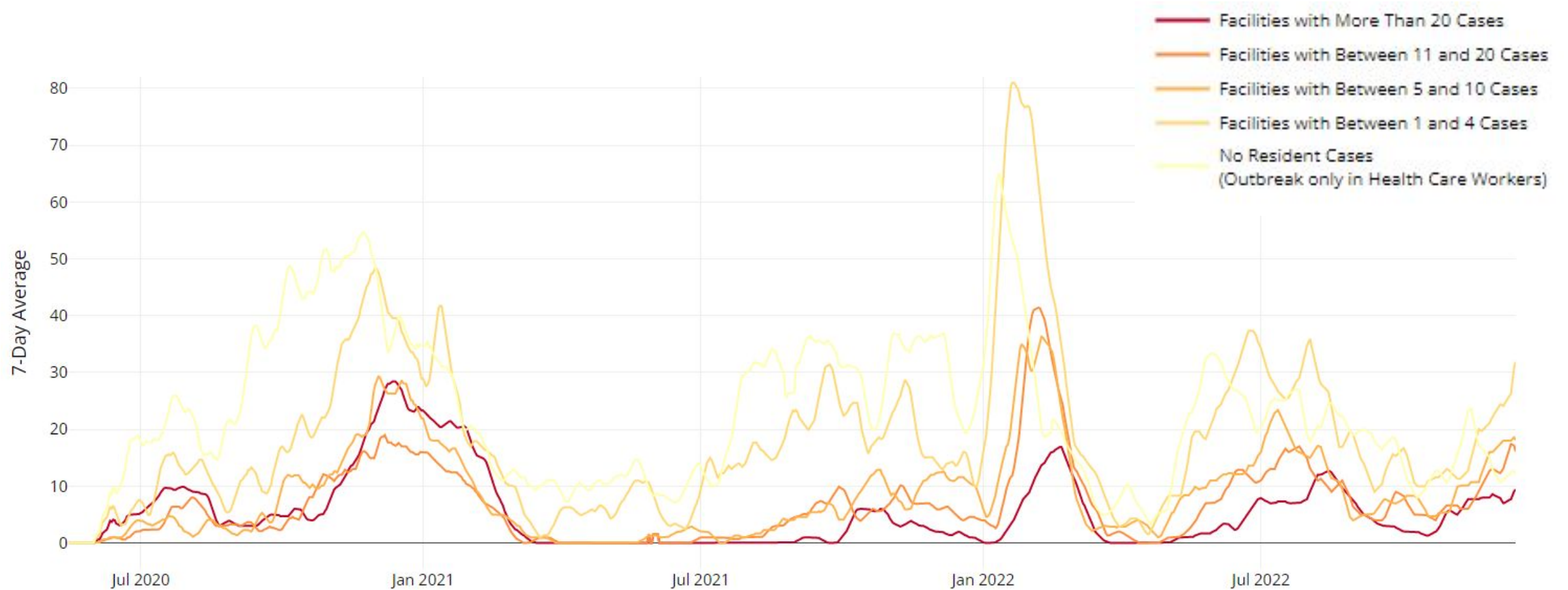
# LTCFs with COVID + Residents



# Outbreaks Among LTCFs



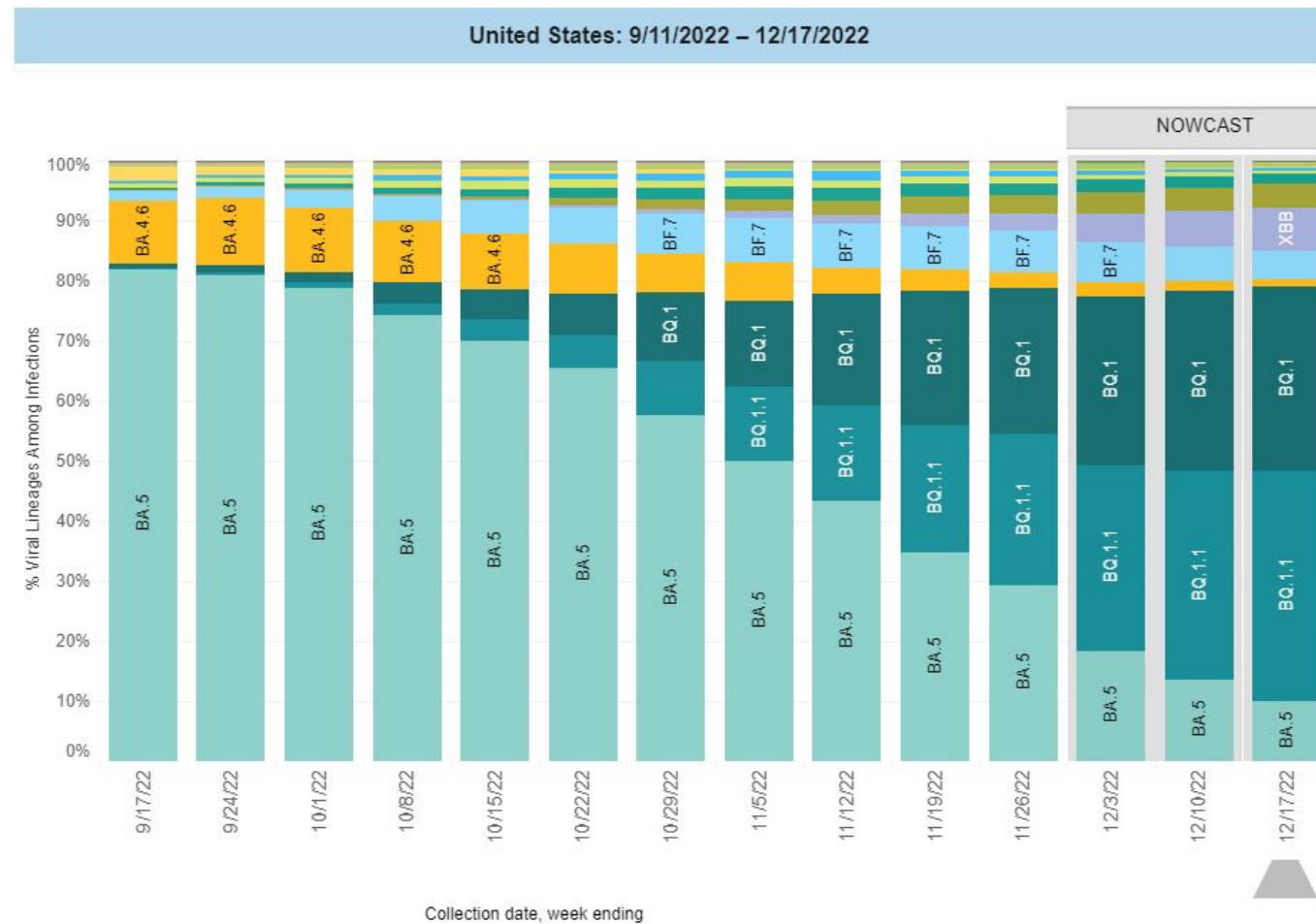
# Outbreaks Among LTCFs





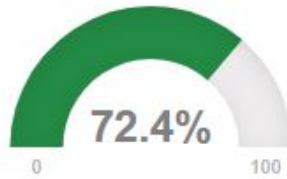
# Variant Landscape

WHO label	Lineage #	US Class	%Total	95%PI	
Omicron	BQ.1.1	VOC	38.4%	35.7-41.3%	
	BQ.1	VOC	30.7%	28.7-32.8%	
	BA.5	VOC	10.0%	9.1-10.9%	
	XBB	VOC	7.2%	4.2-11.9%	
	BF.7	VOC	4.9%	4.2-5.6%	
	BN.1	VOC	4.1%	3.5-4.7%	
	BA.5.2.6	VOC	1.6%	1.3-1.8%	
	BA.4.6	VOC	1.1%	1.0-1.3%	
	BF.11	VOC	0.7%	0.5-0.9%	
	BA.2	VOC	0.6%	0.3-1.1%	
	BA.2.75	VOC	0.5%	0.4-0.6%	
	BA.2.75.2	VOC	0.3%	0.2-0.4%	
	BA.4	VOC	0.0%	0.0-0.0%	
	BA.1.1	VOC	0.0%	0.0-0.0%	
	B.1.1.529	VOC	0.0%	0.0-0.0%	
	BA.2.12.1	VOC	0.0%	0.0-0.0%	
Delta	B.1.617.2	VBM	0.0%	0.0-0.0%	
Other	Other*		0.0%	0.0-0.0%	

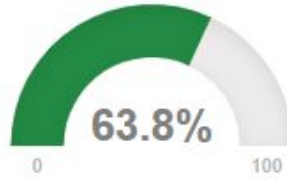


# COVID Vaccines

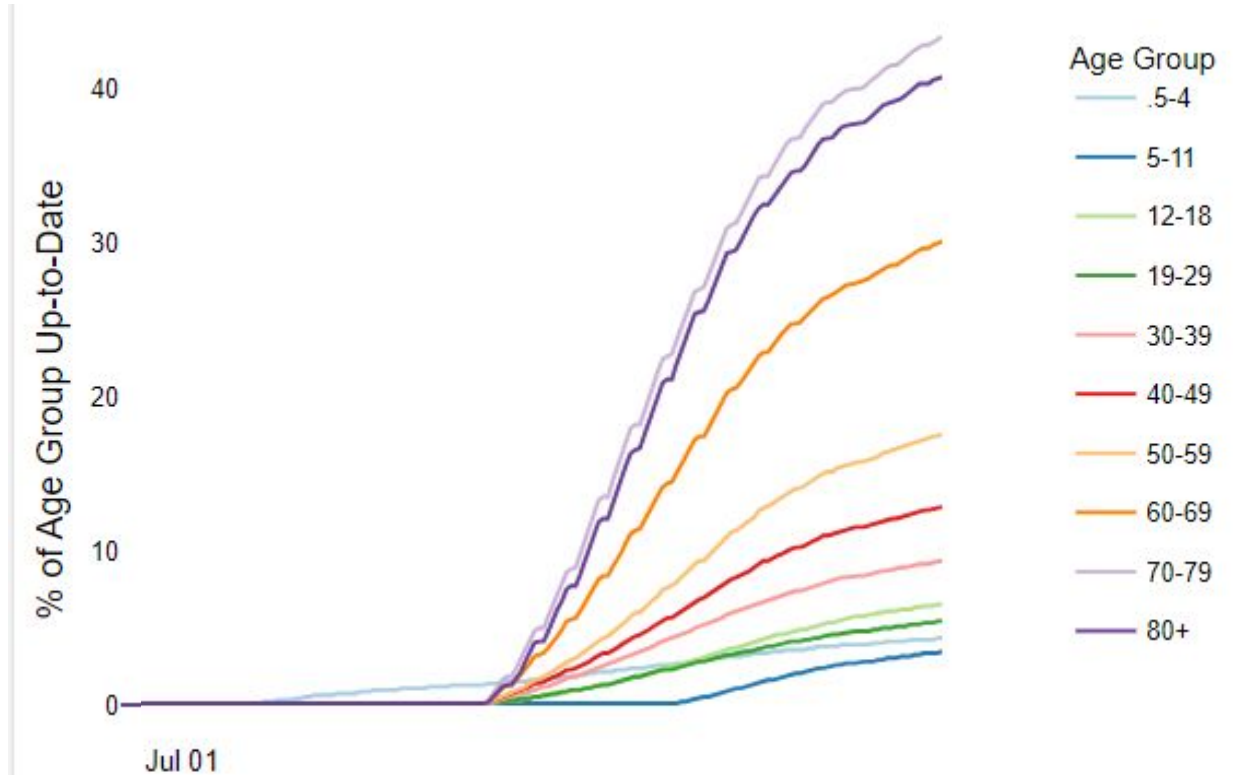
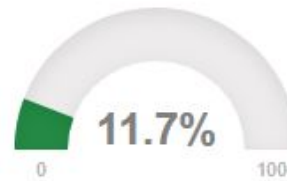
Percent All Utahns Received at Least One Dose



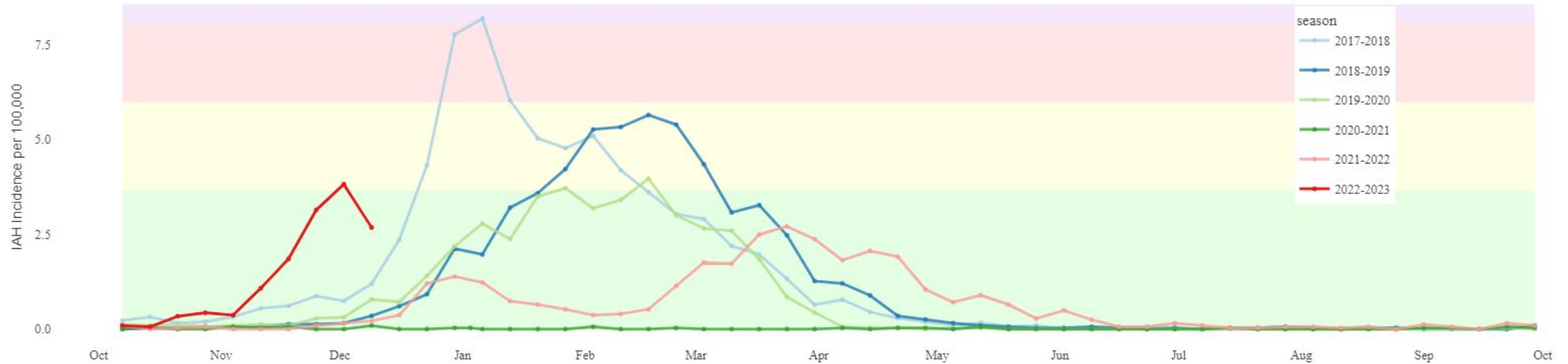
Percent All Utahns Completed Primary Series



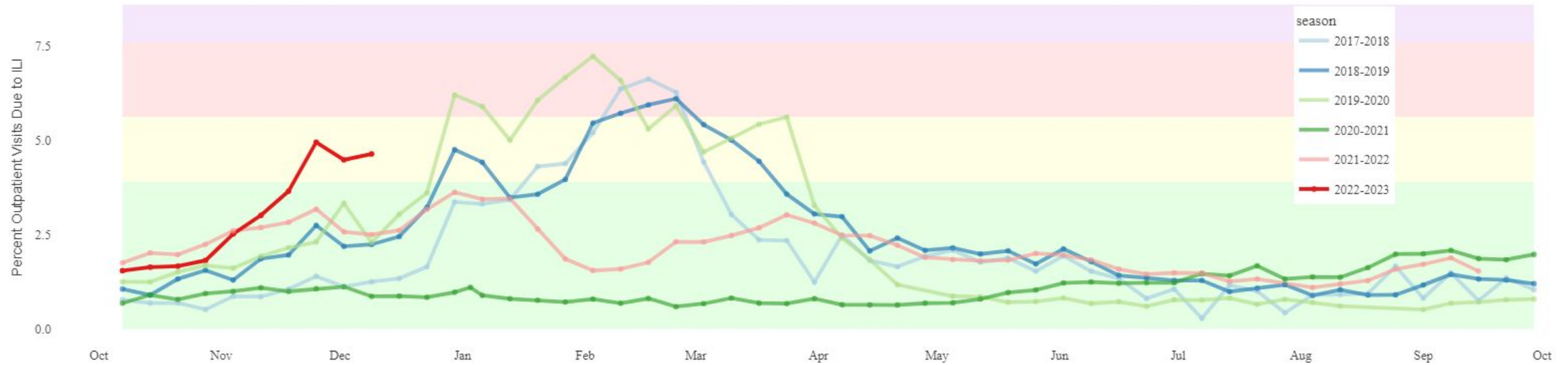
Percent All Utahns Up-to-Date



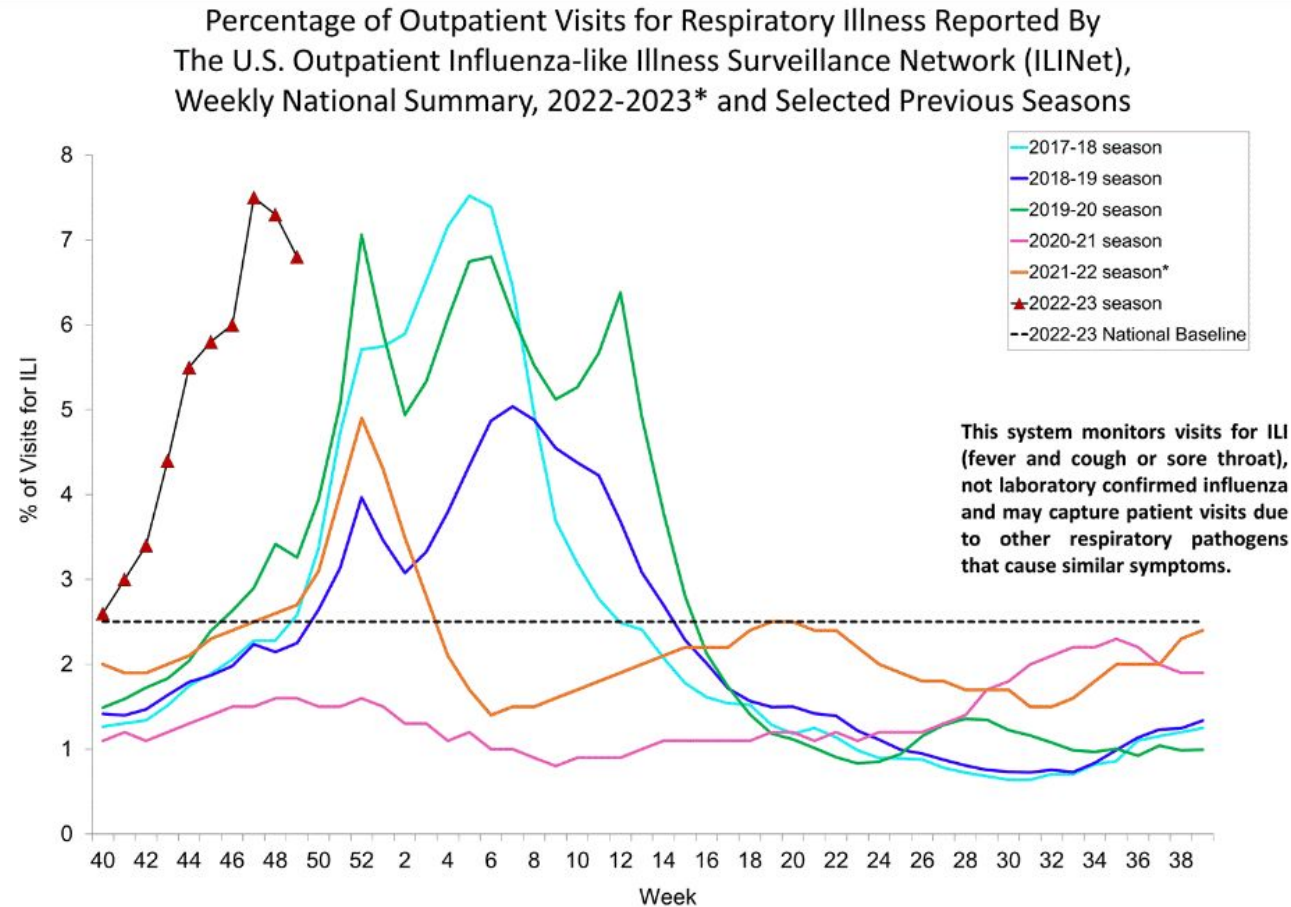
# Influenza-Associated Hospitalization Weekly Incidence



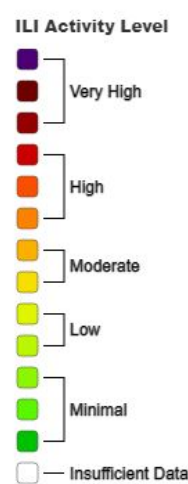
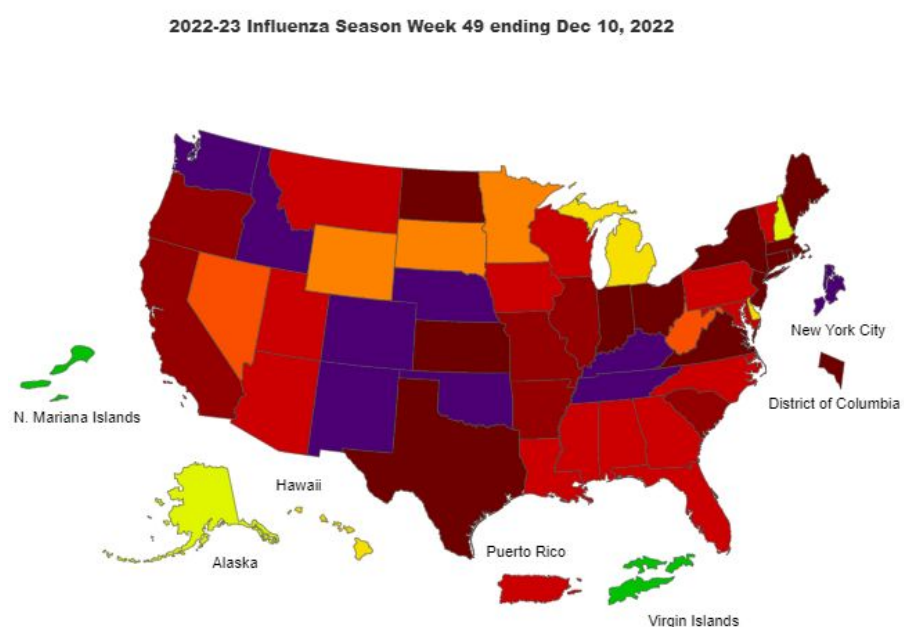
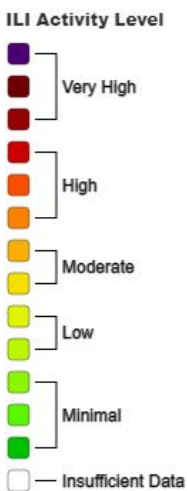
# Influenza-Like Illness (ILI) Activity Rate



# Influenza-Like Illness (ILI) Activity Rate - Nationally

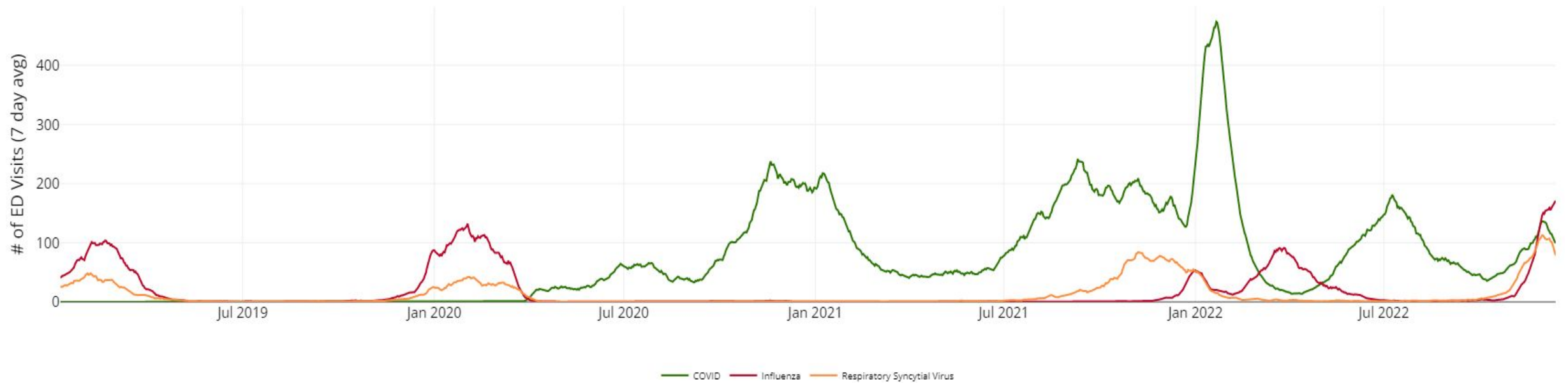


# National ILI Activity Comparison

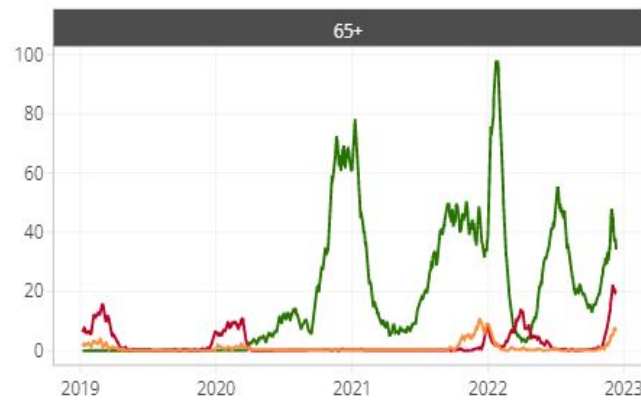
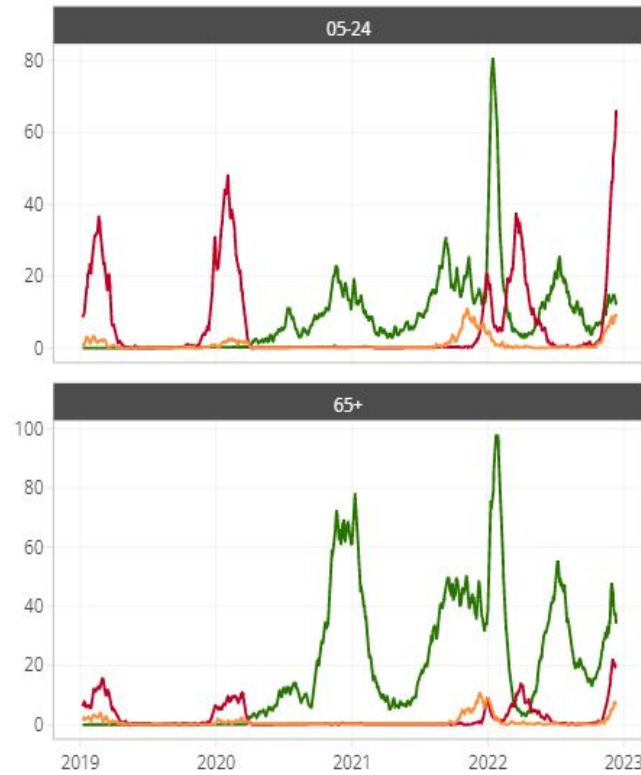
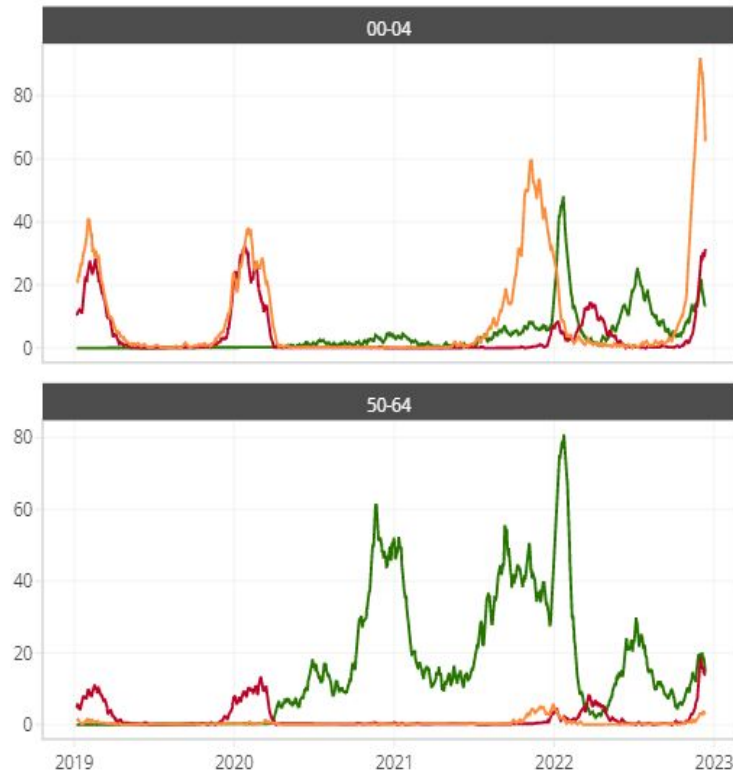




# ED Encounters – COVID, Influenza, and RSV



# ED Encounters by Age Group – COVID, Influenza, and RSV



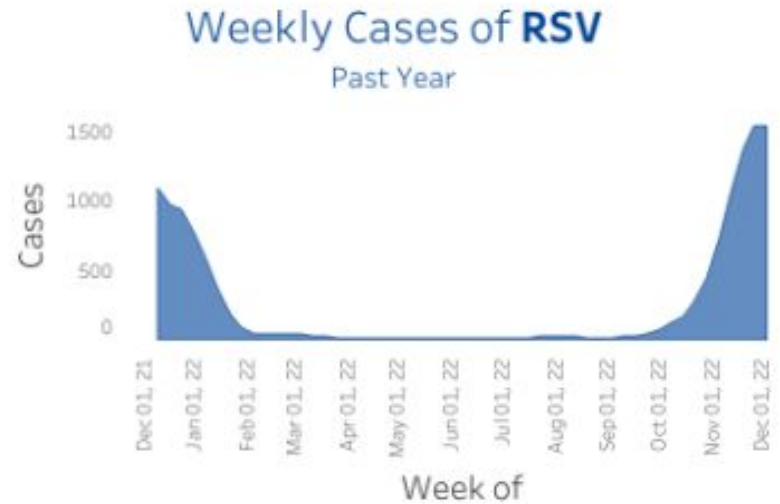
Virus — COVID — Influenza — RSV



# Intermountain Healthcare GermWatch - RSV

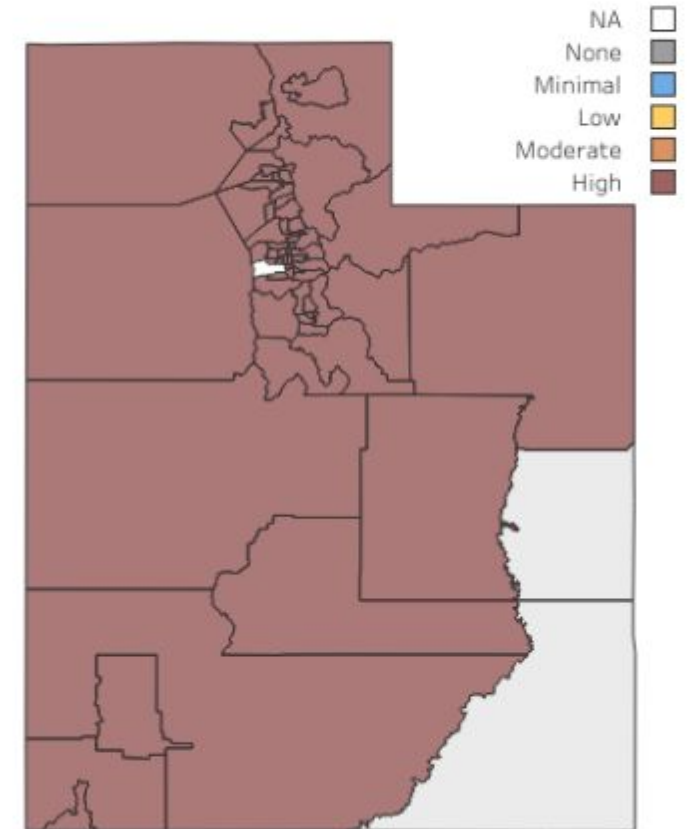
## Seasonality

In Utah, RSV is most active in the winter and early spring. Epidemics occur yearly, usually between January and March.



## RSV Activity

Week of December 04, 2022

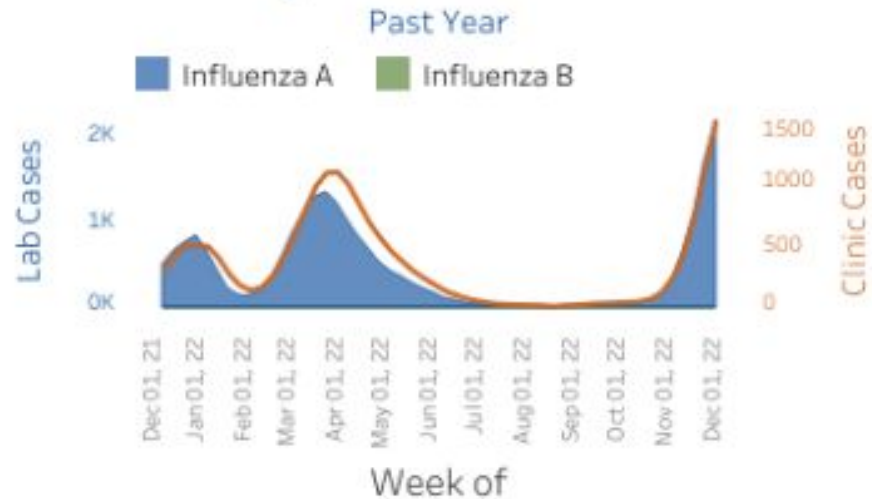


# Intermountain Healthcare GermWatch - Influenza

## Seasonality

In Utah, the flu “season” is fall and winter – it follows our cold weather.

### Weekly Cases of Influenza



### Influenza Activity

Week of December 04, 2022

