

# COVID-19 Surveillance Update

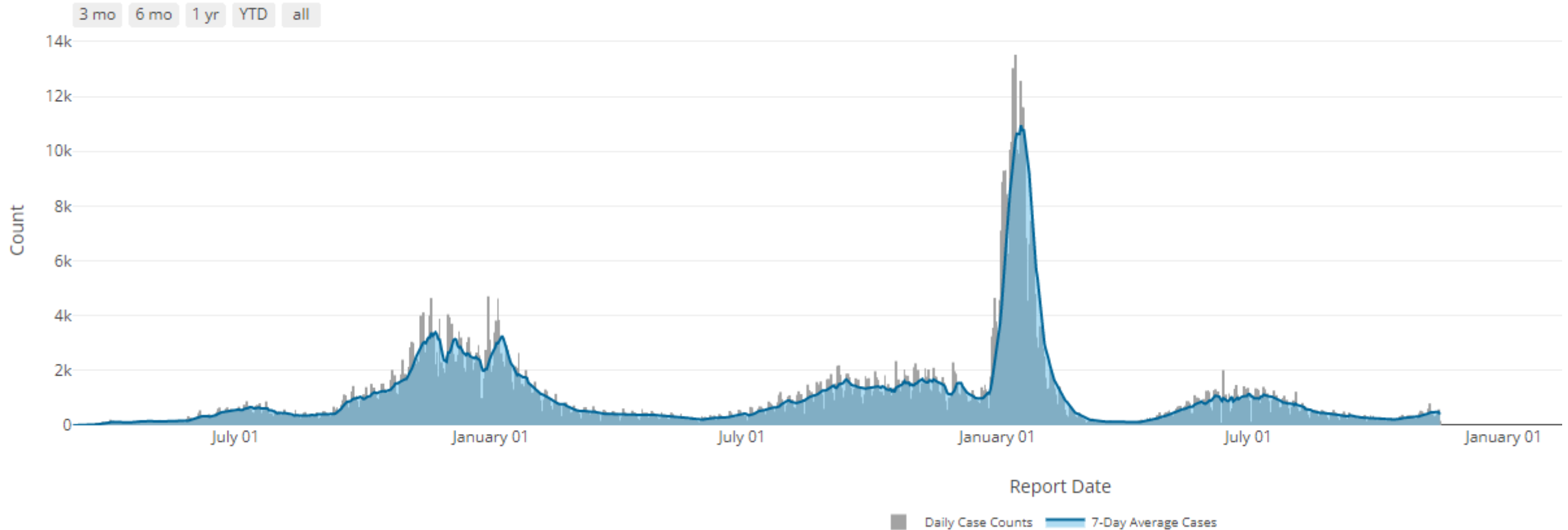
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11/18/2022

Abi Collingwood, MPH

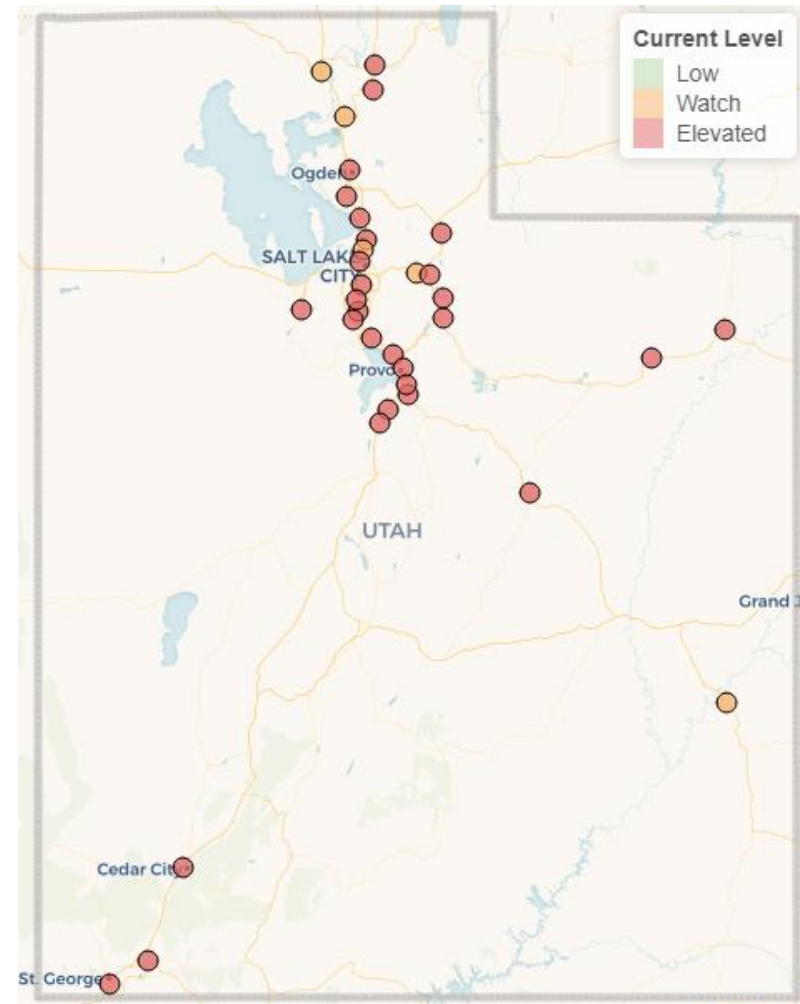
# COVID-19 Update – increase in reported cases

COVID-19 Case Counts by Test Report Date



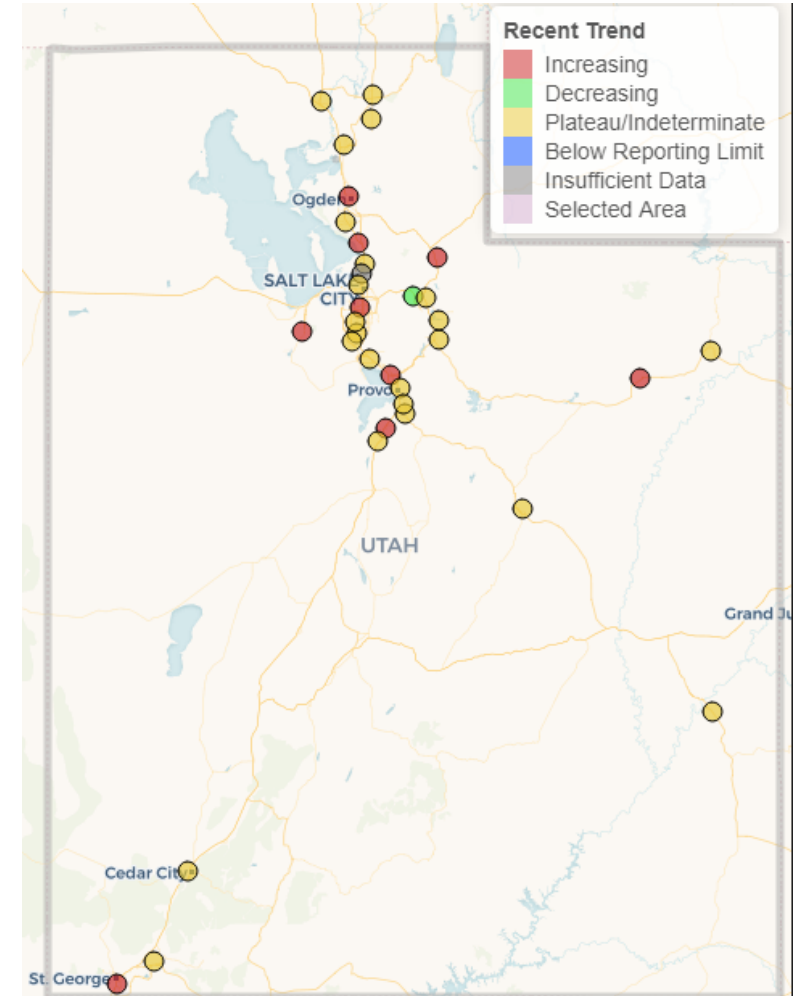
# COVID is increasing in the wastewater

Level	Number of Sites	Percent of Sites
Elevated	29	85.3%
Watch	5	14.7%
Low	0	0.0%



# COVID is increasing in the wastewater

Trend	Number of Sites	Percent of Sites
Increasing	9	26.5%
Plateau/Indeterminate	23	67.6%
Decreasing	1	2.9%

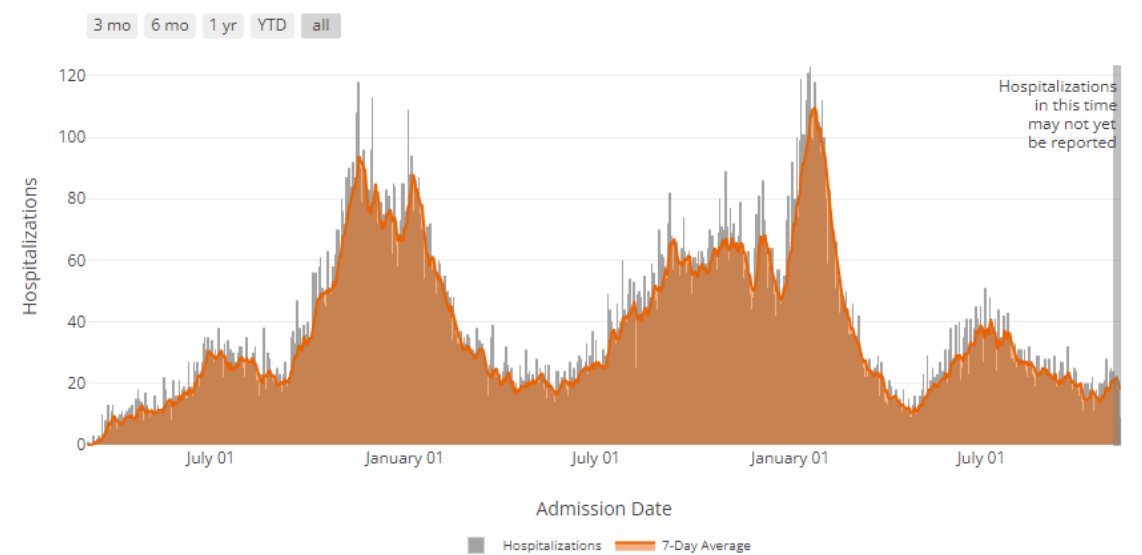


# COVID-19 – increase in severe disease

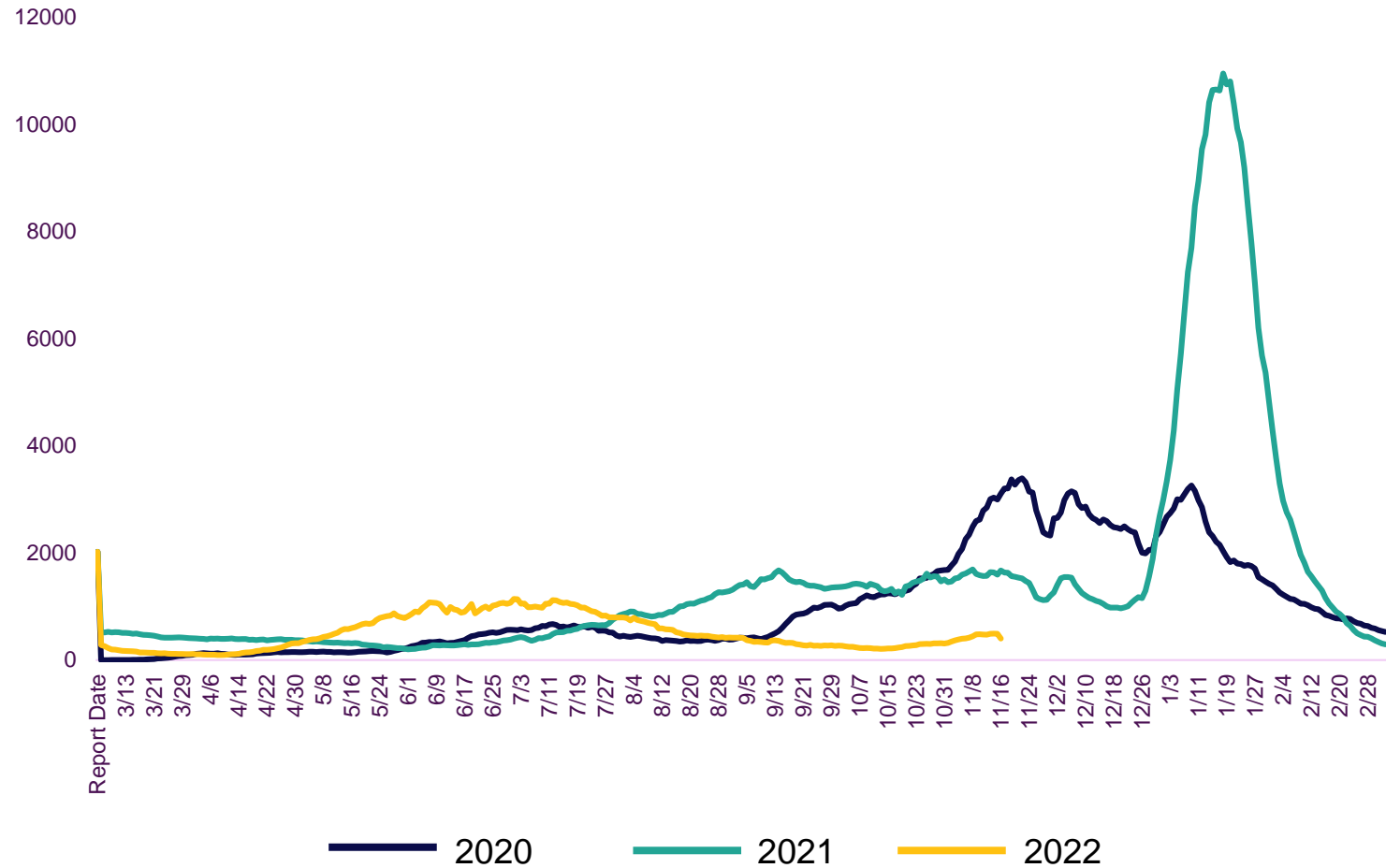
Syndromic Surveillance: Percent of Emergency Departments (ED) Visits Diagnosed with COVID-19



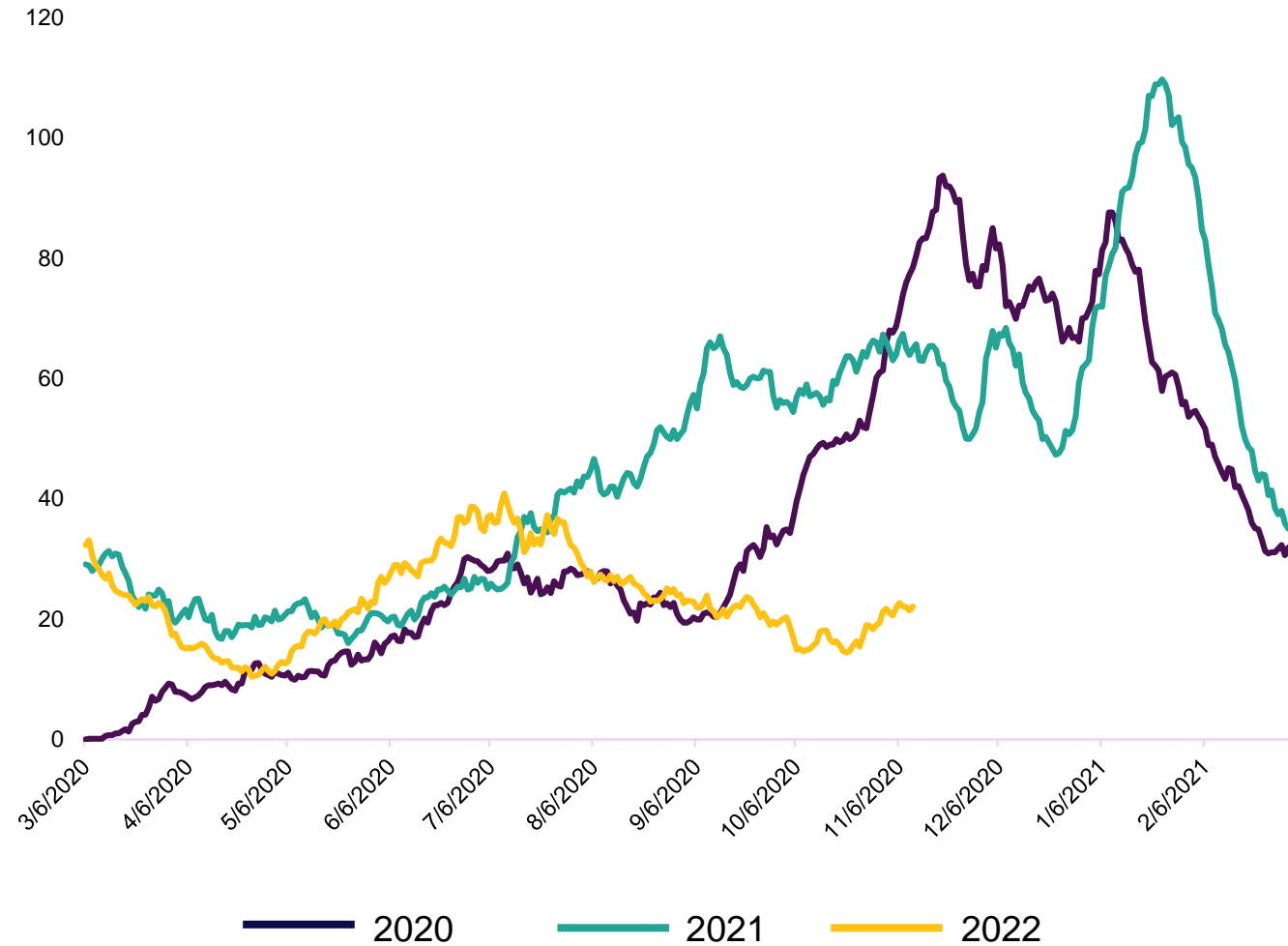
COVID-19 Hospitalizations by Admission Date



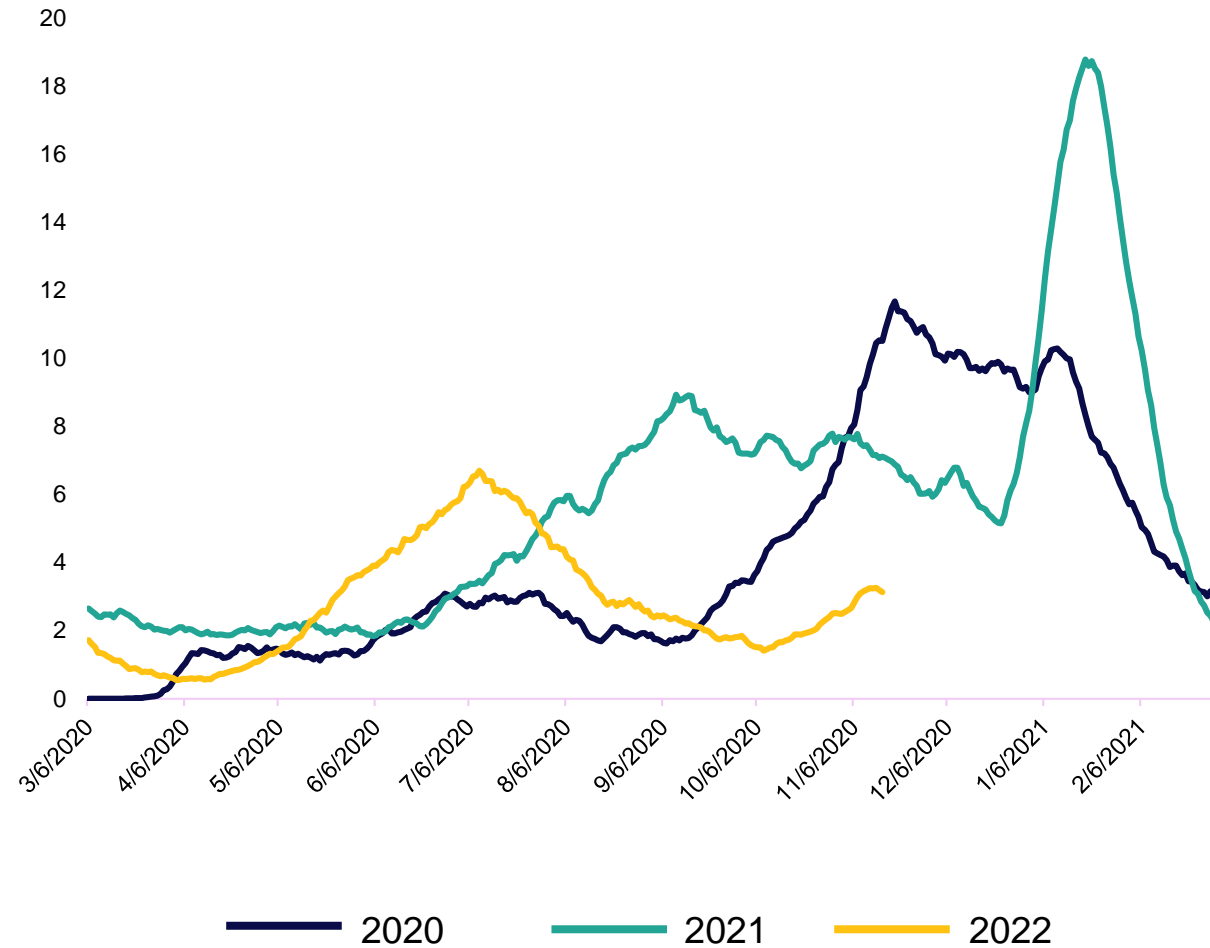
# 7-day average compared to last year



# 7-day average hospital admits compared to last year



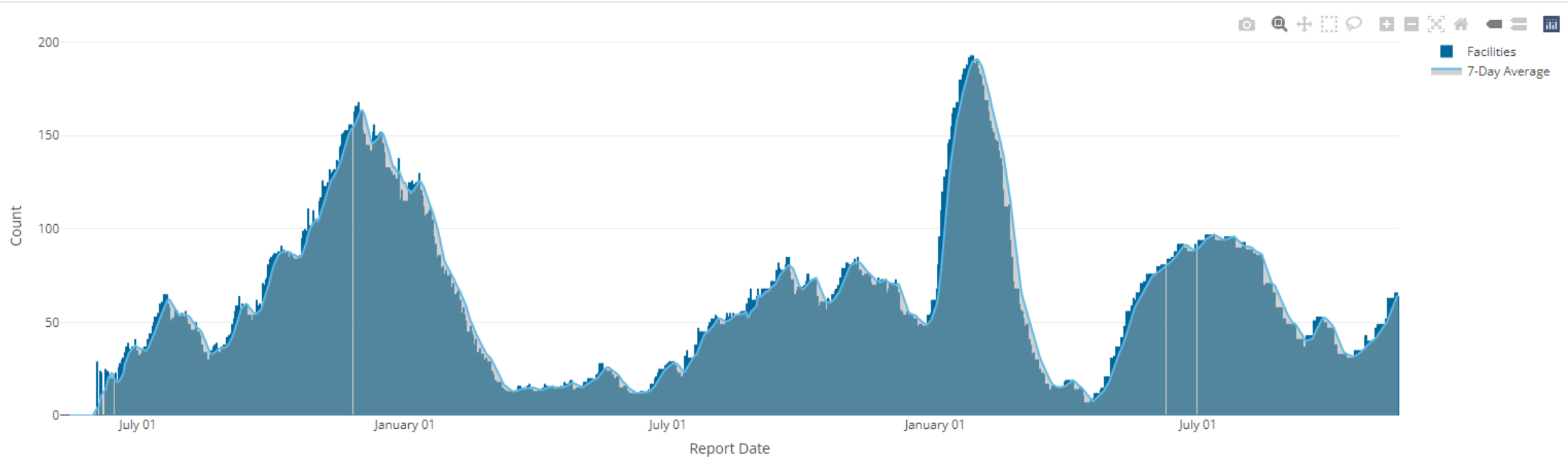
# 7-day average % of ED visits compared to last year



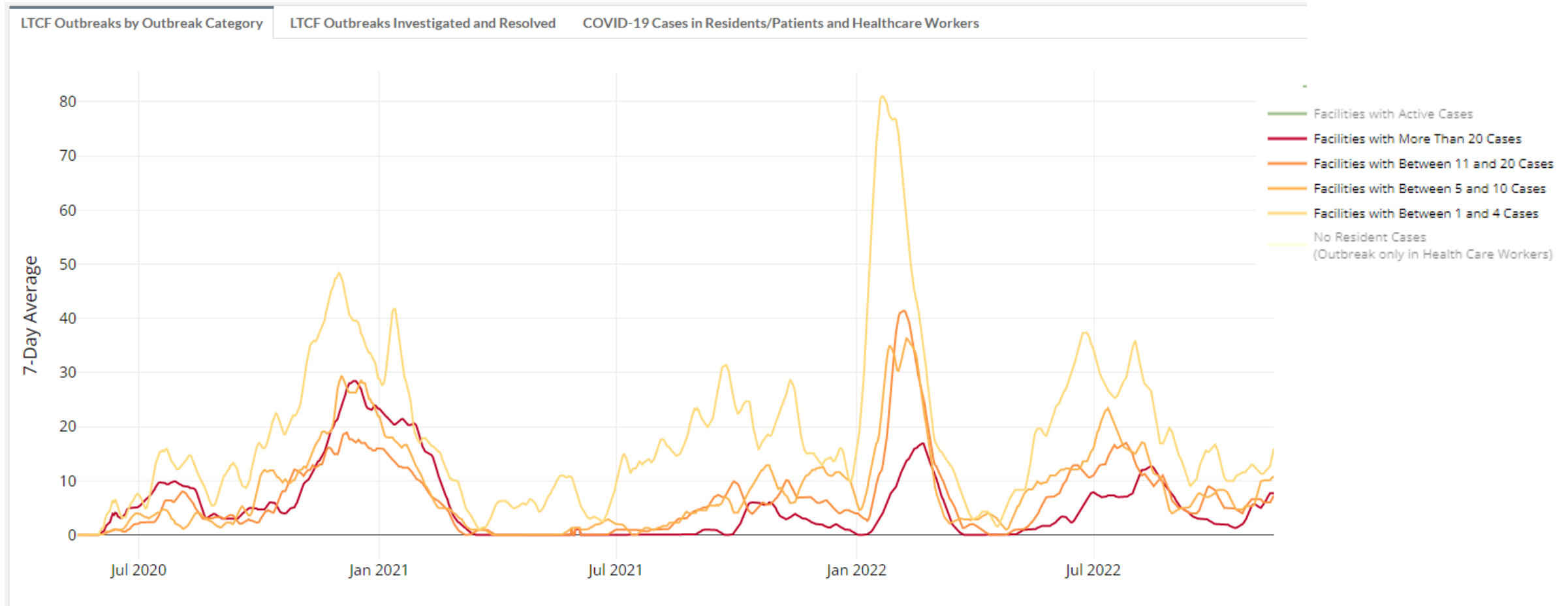


# Increase in LTCFs with COVID residents

LTCFs with COVID-Positive Patients/Residents

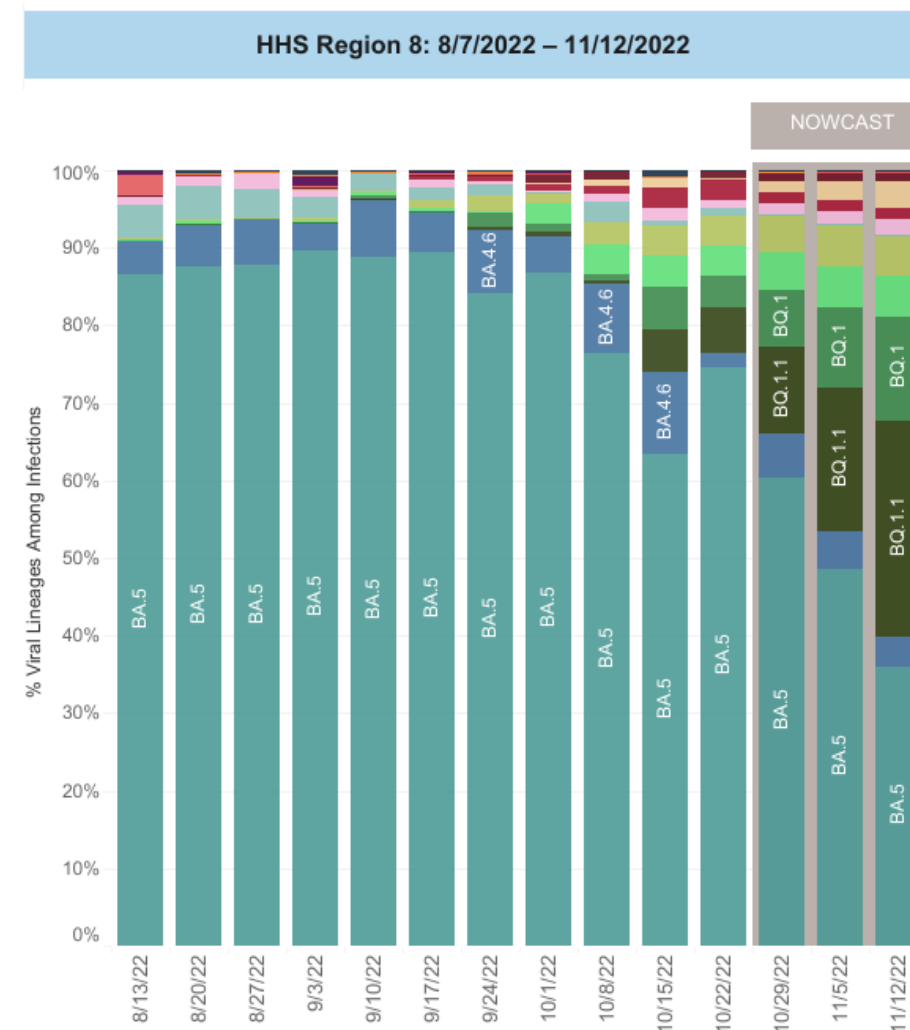


# Increase in outbreaks among LTCFs



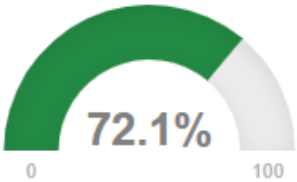
# Variant landscape is changing

WHO label	Lineage #	US Class	%Total	95%PI	
Omicron	BA.5	VOC	36.1%	28.3-44.6%	
	BQ.1.1	VOC	27.9%	15.6-44.2%	
	BQ.1	VOC	13.4%	5.9-26.7%	
	BA.5.2.6	VOC	5.3%	3.1-8.9%	
	BF.7	VOC	5.2%	3.3-8.0%	
	BA.4.6	VOC	3.7%	2.9-4.8%	
	BN.1	VOC	3.6%	0.8-11.6%	
	BA.2	VOC	2.0%	0.5-6.9%	
	BA.2.75	VOC	1.3%	0.7-2.4%	
	BA.2.75.2	VOC	1.2%	0.7-2.0%	
	BA.4	VOC	0.1%	0.1-0.1%	
	BA.1.1	VOC	0.1%	0.0-0.3%	
	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*		0.1%	0.0-0.2%	

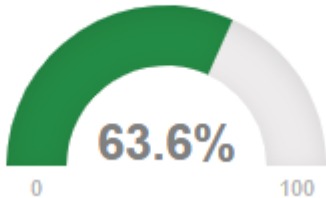


# Low percentage of people up-to-date with COVID vaccines

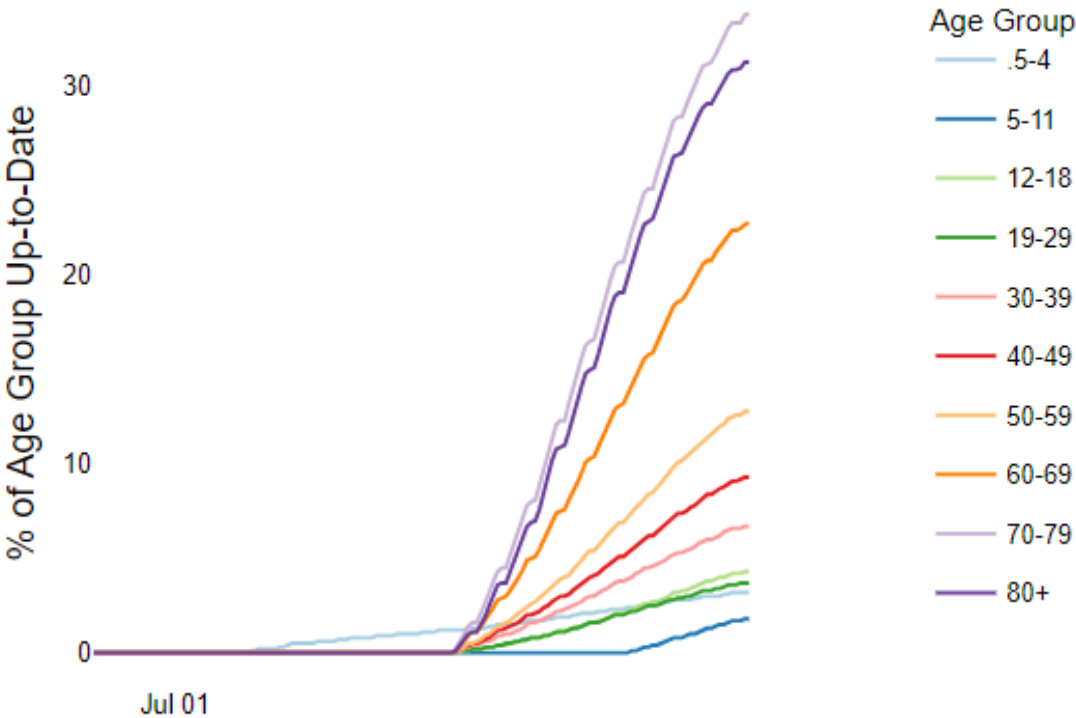
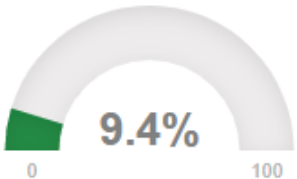
Percent All Utahns Received at Least One Dose



Percent All Utahns Completed Primary Series

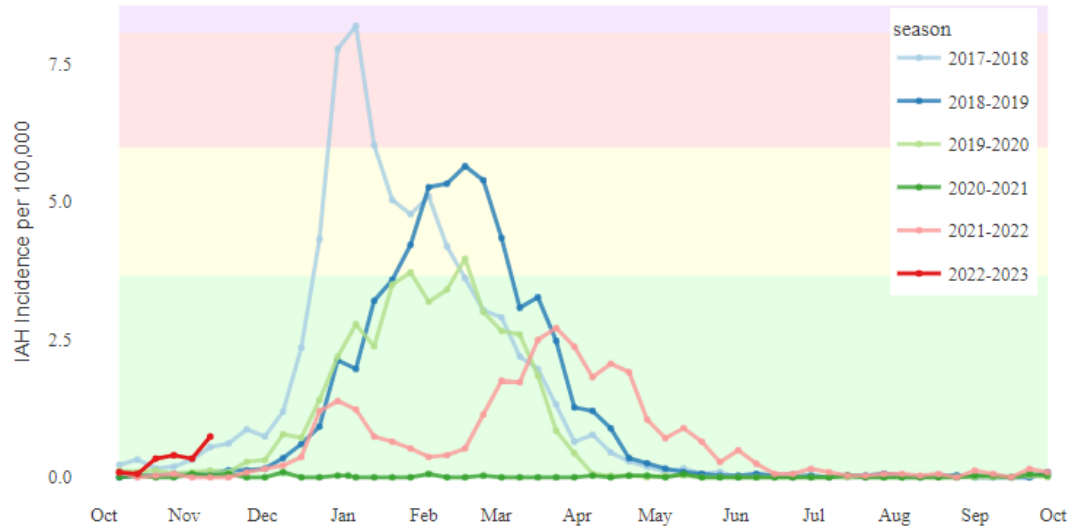


Percent All Utahns Up-to-Date

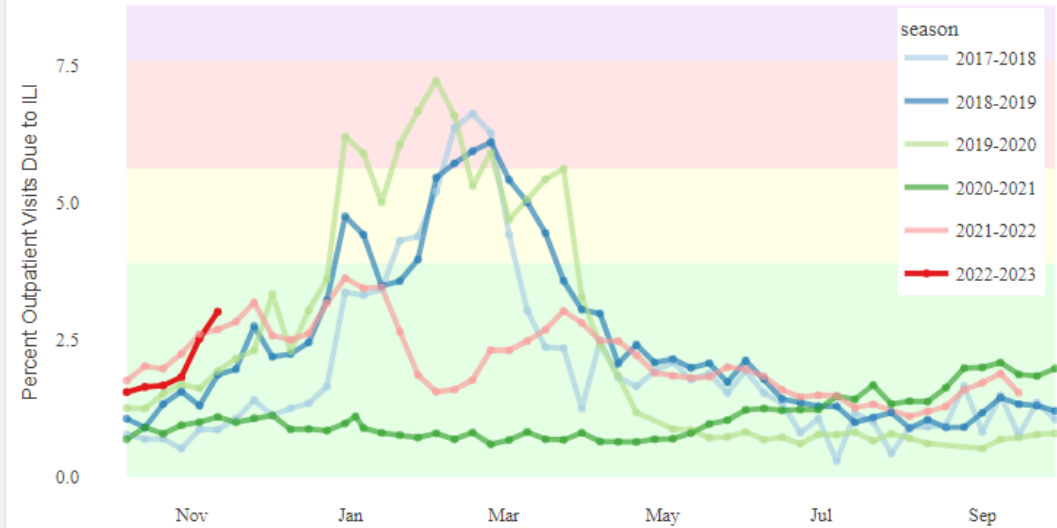


# Still in low influenza severity – increasing trends

Influenza-Associated Hospitalization (IAH) Weekly Incidence Rate



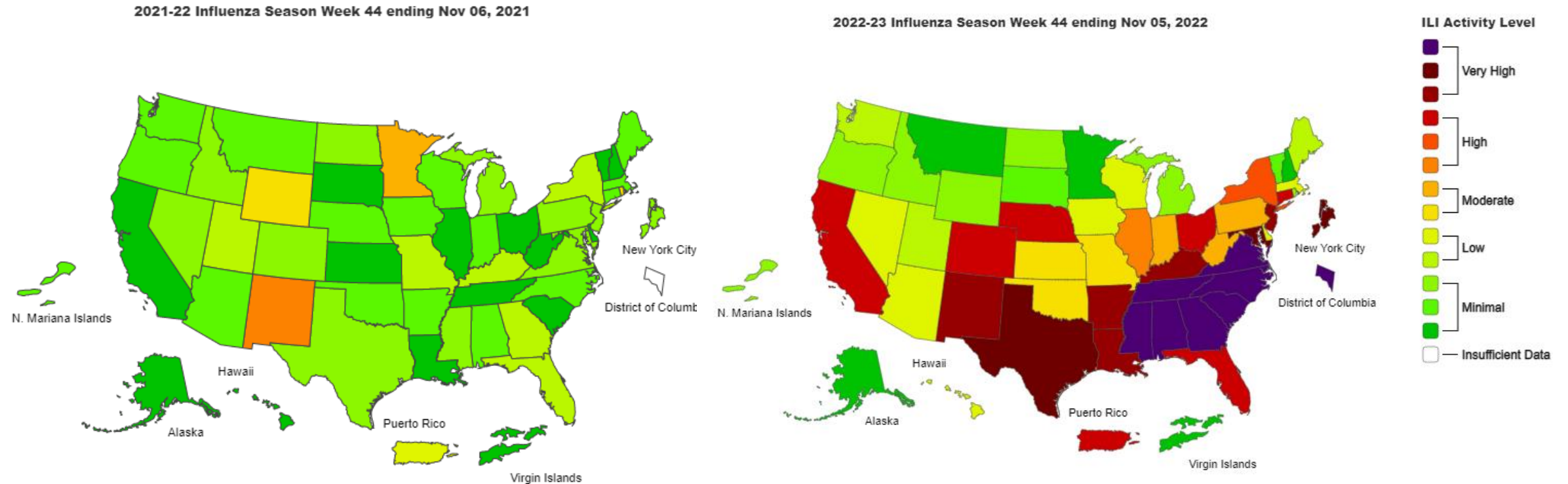
Influenza-Like Illness Rate



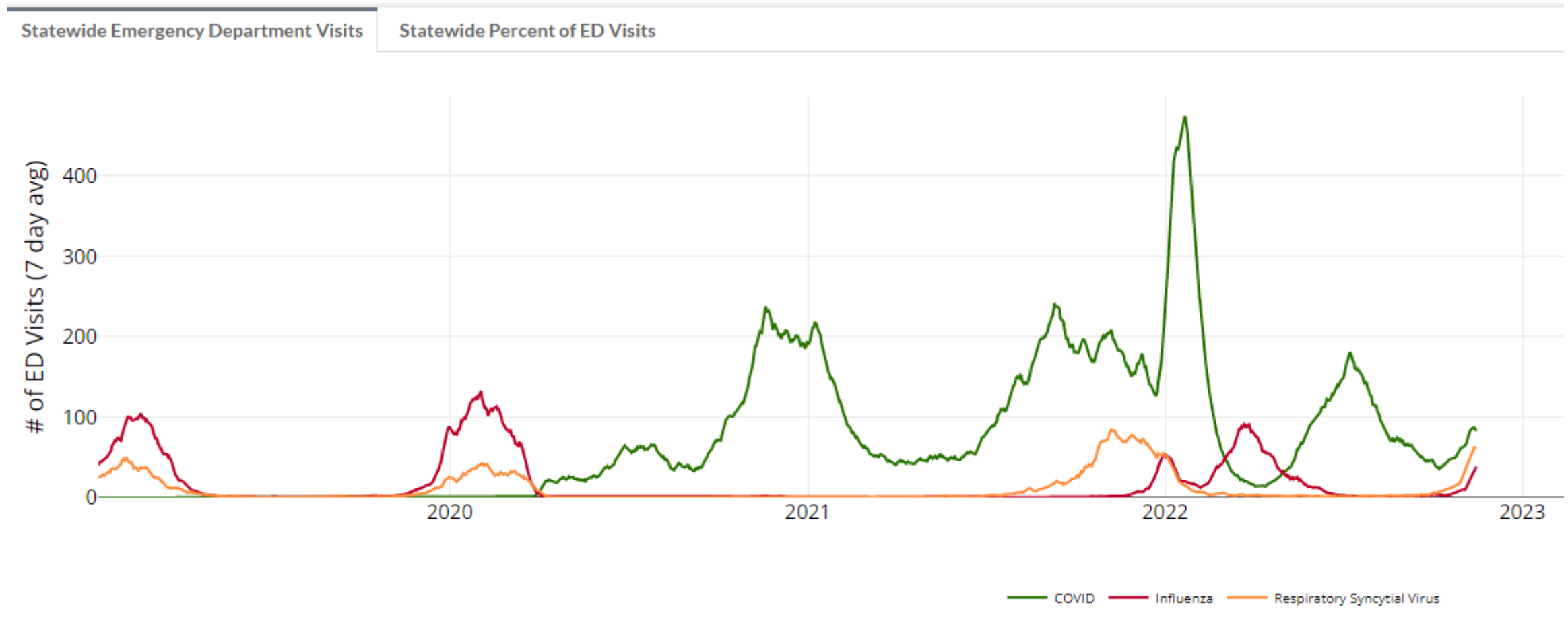
# South and Southeast have really high ILI activity



# Elevated flu compared to this time last year

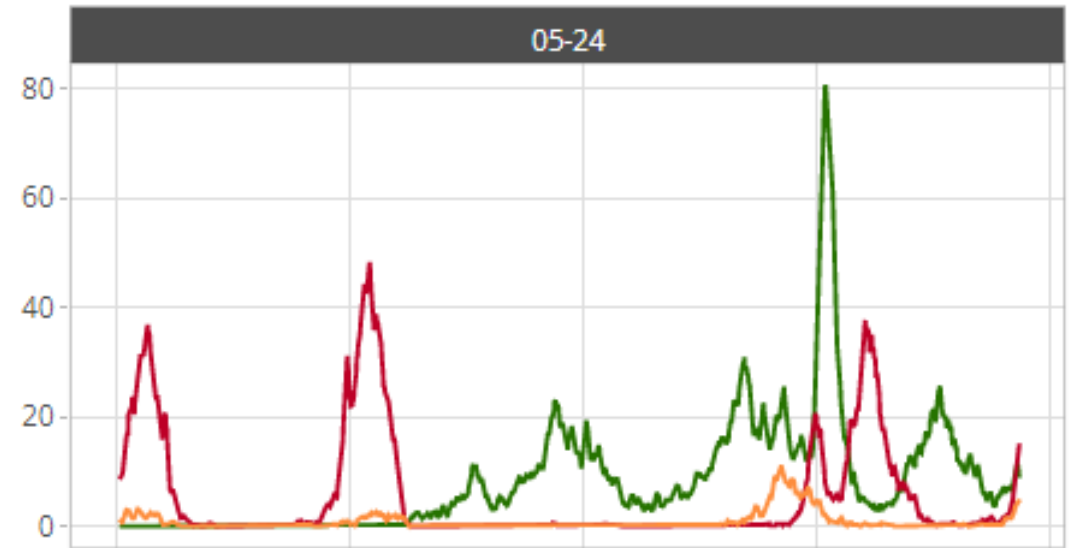
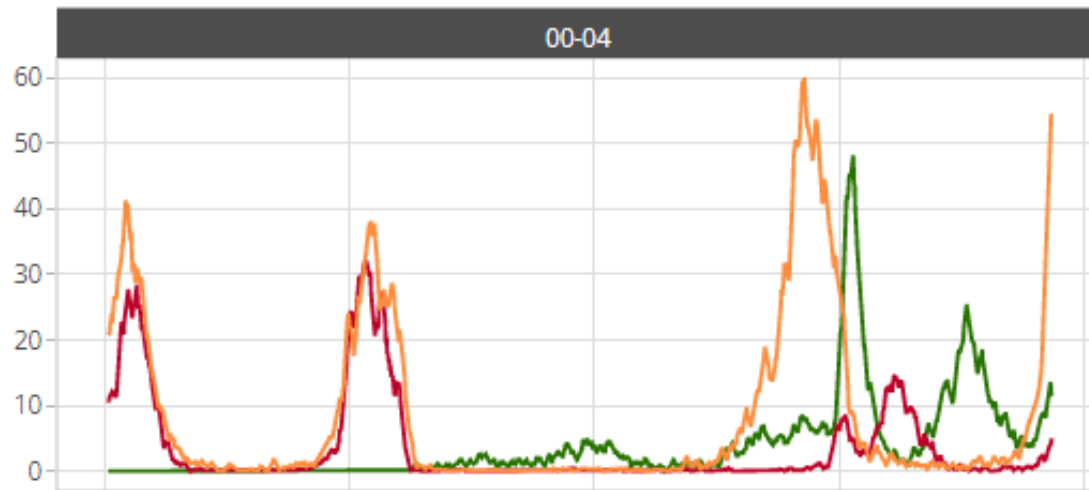


# Comparing our respiratory disease ED usage





# Trends differ by age



**Virus** — COVID — Influenza — RSV