

# COVID-19 Update: Grand Rounds

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10/11/2021

**AltaMed**

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# Main Points of Discussion

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- **URI, COVID Testing and COVID Vaccine Data**
- **Do COVID Vaccines cause more people to die than COVID?**
  - Myth Buster
- **Flu Vaccines So Far**
- **If we have time...**
  - Further clarifications on Boosters vs 3<sup>rd</sup> Dose
  - Update on Monoclonal antibody
  - Upcoming in October.
- Questions



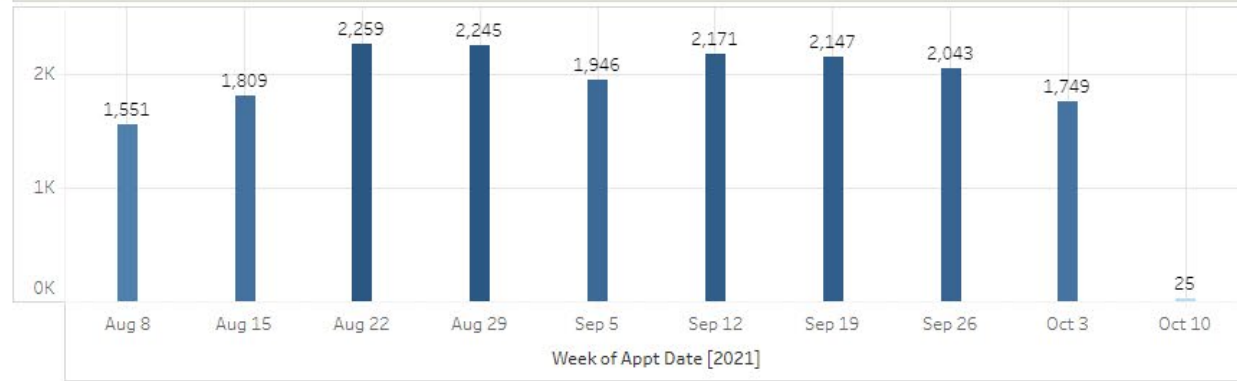
# 350 URI visits/day, highest in peds <11

## Demand going Down slightly

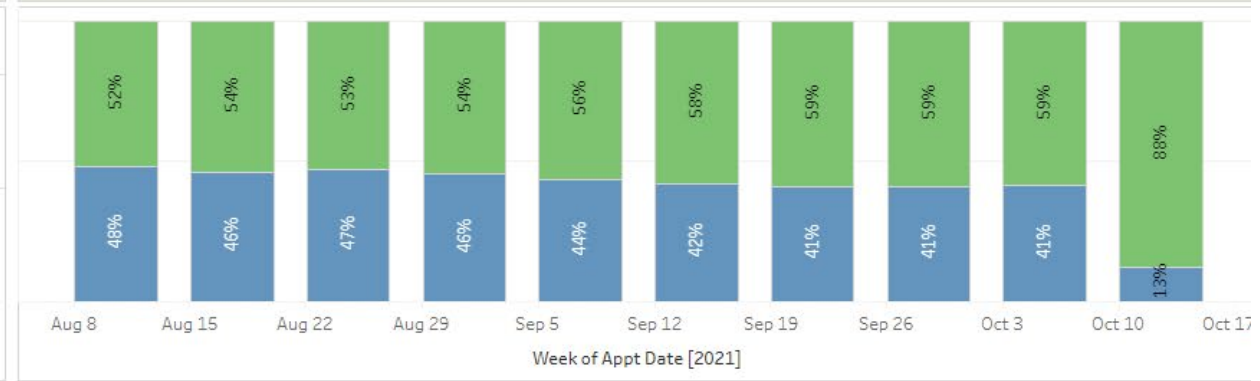
### URI Diagnosis Dashboard

Encounter = Completed, medical, billable visits with URI Dx

#### Weekly Encounters with URI Diagnosis



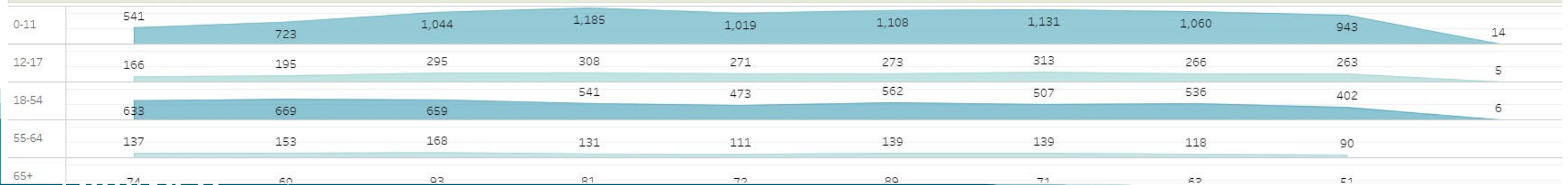
#### URI Encounters by Visit Type



#### 7 Day Moving Average URI Encounters from 8/8/2021 to 10/10/2021



#### URI Encounters by Age

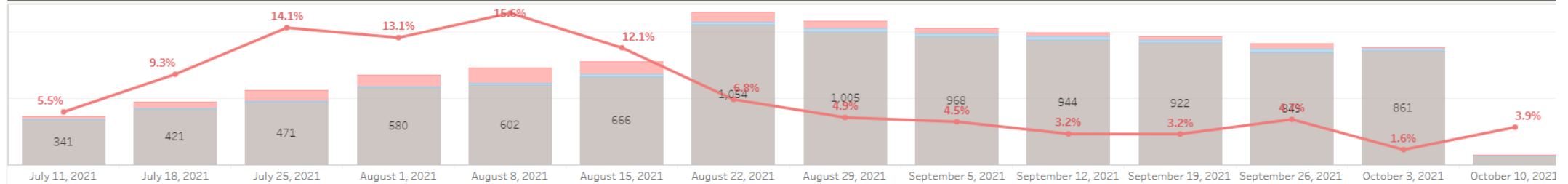


# 800-900 tests/wk, <2% Positivity Rate

## Demand going down a slightly

### COVID-19 Test Results

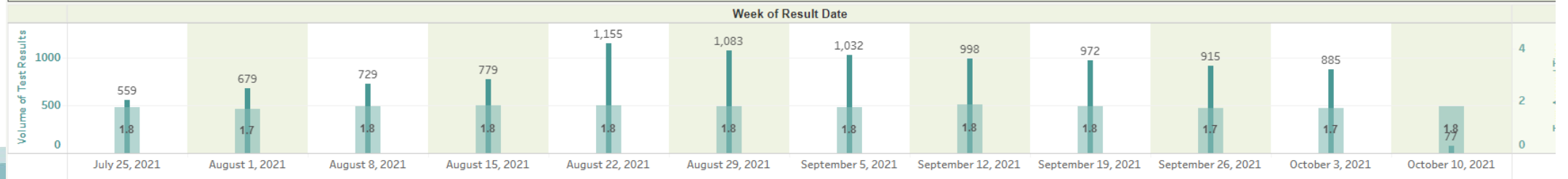
#### COVID Weekly Lab Results from 7/11/2021 to 10/10/2021



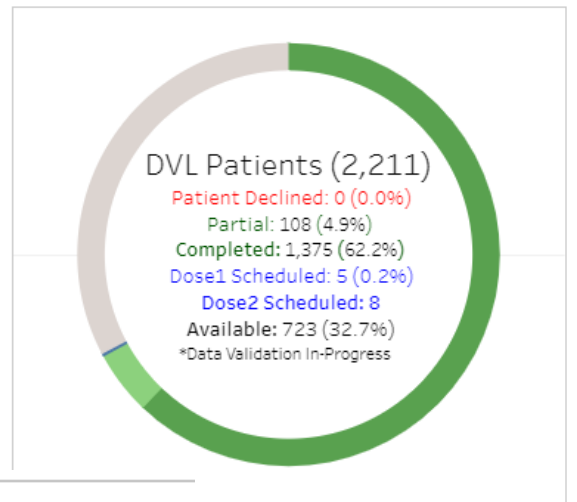
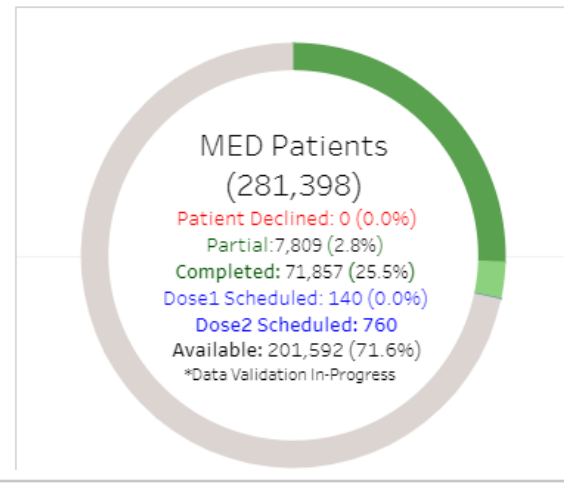
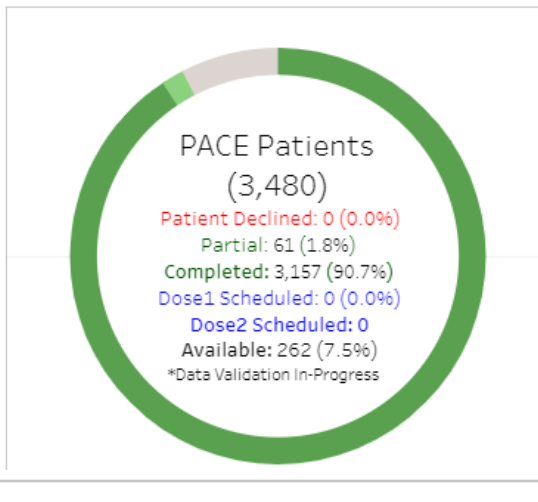
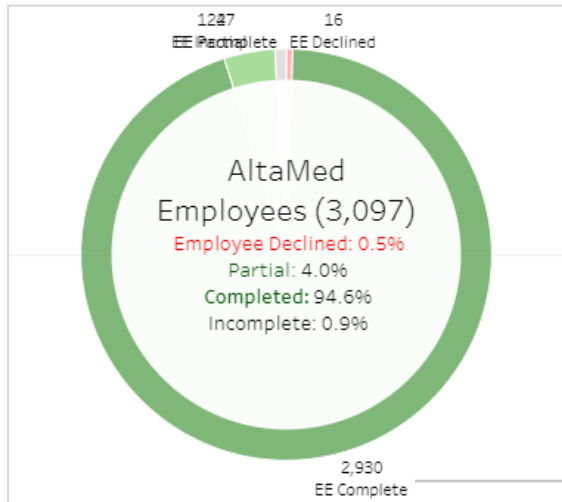
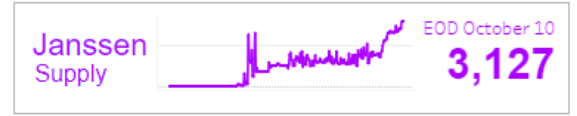
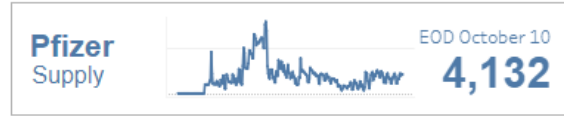
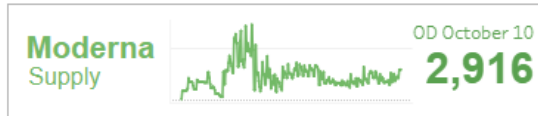
	July 11, 2021	July 18, 2021	July 25, 2021	August 1, 2021	August 8, 2021	August 15, 2021	August 22, 2021	August 29, 2021
# Normal	341	421	471	580	602	666	1,054	1,005
# Indeterminate	5	6	9	10	13	19	23	25
# Abnormal	20	44	79	89	114	94	78	53
# Test Results	366	471	559	679	729	779	1,155	1,083
% Normal	93%	89%	84%	85%	83%	85%	91%	93%
% Indeterminate	1%	1%	2%	1%	2%	2%	2%	2%

Source: SQL12.MCIS.Epic\_Covid\_Lab\_Results | Filter: Results\_Date | Definitions: Normal: If Is Abnormal = 'N' AND Is Indeterminate = N | Indeterminate: If Is Abnormal = 'N' AND Is Indeterminate = 'Y' | Abnormal: If Is Abnormal = 'Y'

#### Average Test Result Turn Around Time All



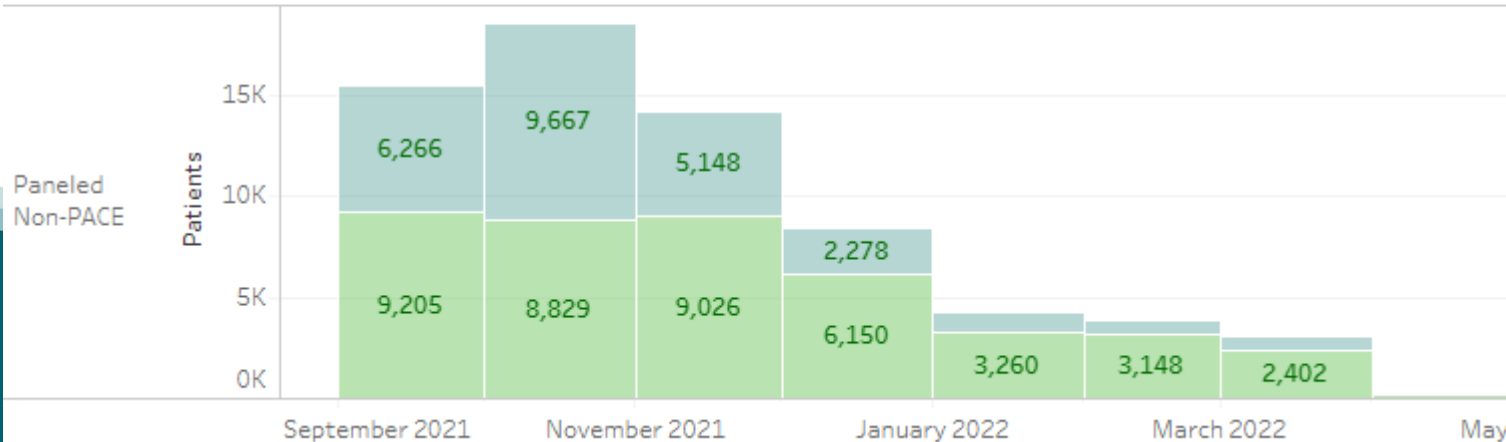
# COVID Vaccines and Boosters Due



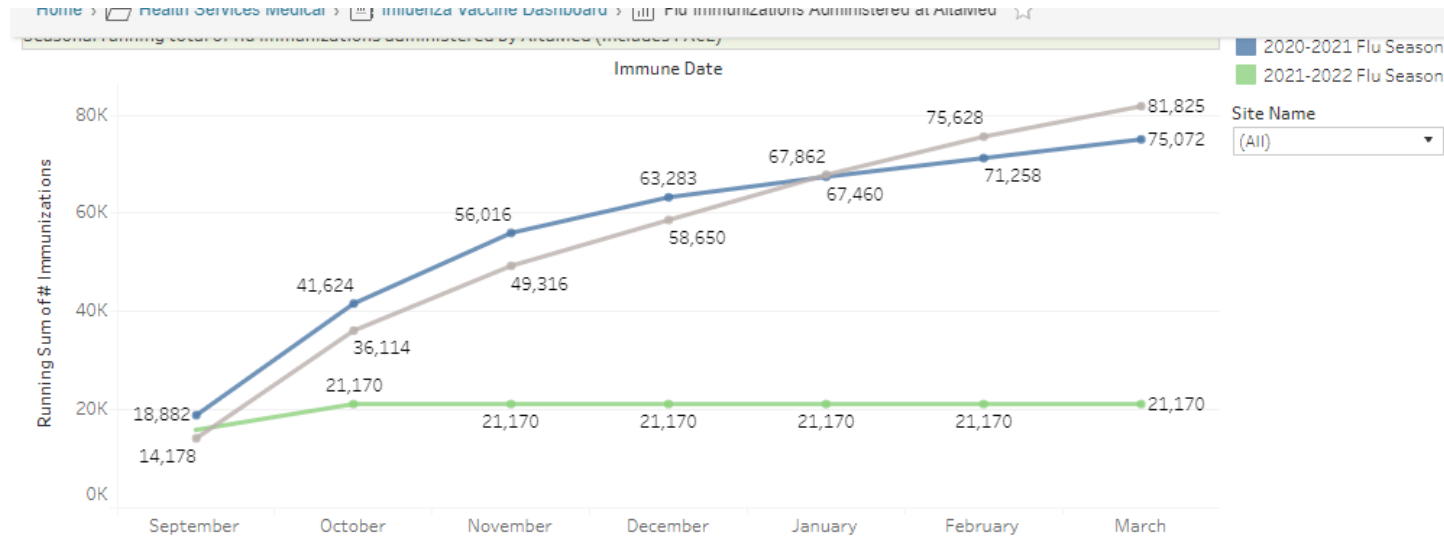
## 3rd Dose Eligibility by Panel Status

Excludes any patients that have received a second dose outside AltaMed but did not match a CAIR record.

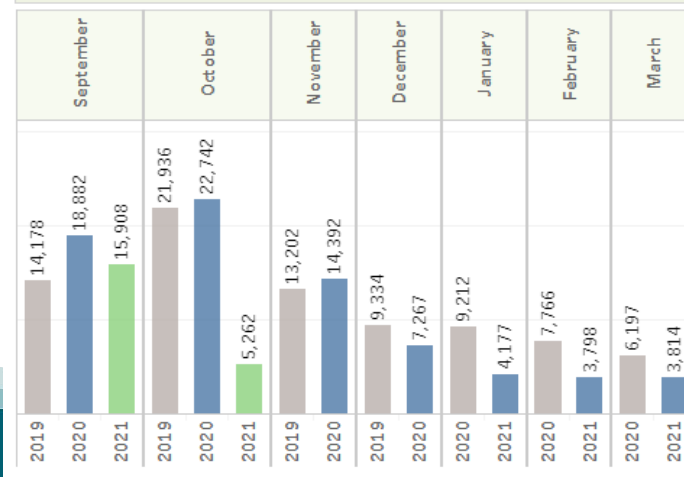
Panel Status



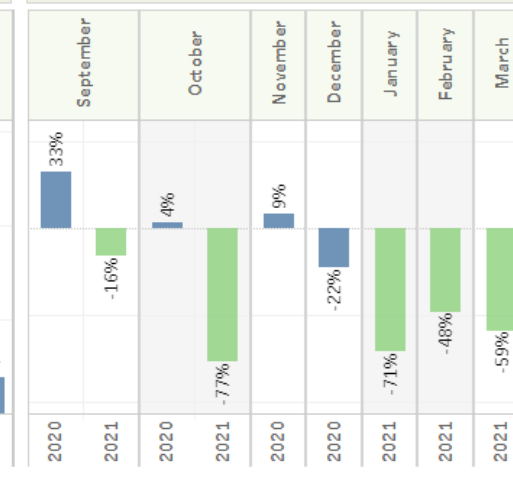
# Patient Flu Vaccines, Far Behind last 2 Years



**YoY Flu Immunizations**  
YoY comparison of seasonal monthly flu immunizations administered by AltaMed (September - March)



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YoY comparison of seasonal monthly flu immunizations administered (September - March)



## COVID-19 was among the top 10 leading causes of death for those ages 15 and over through June 2021

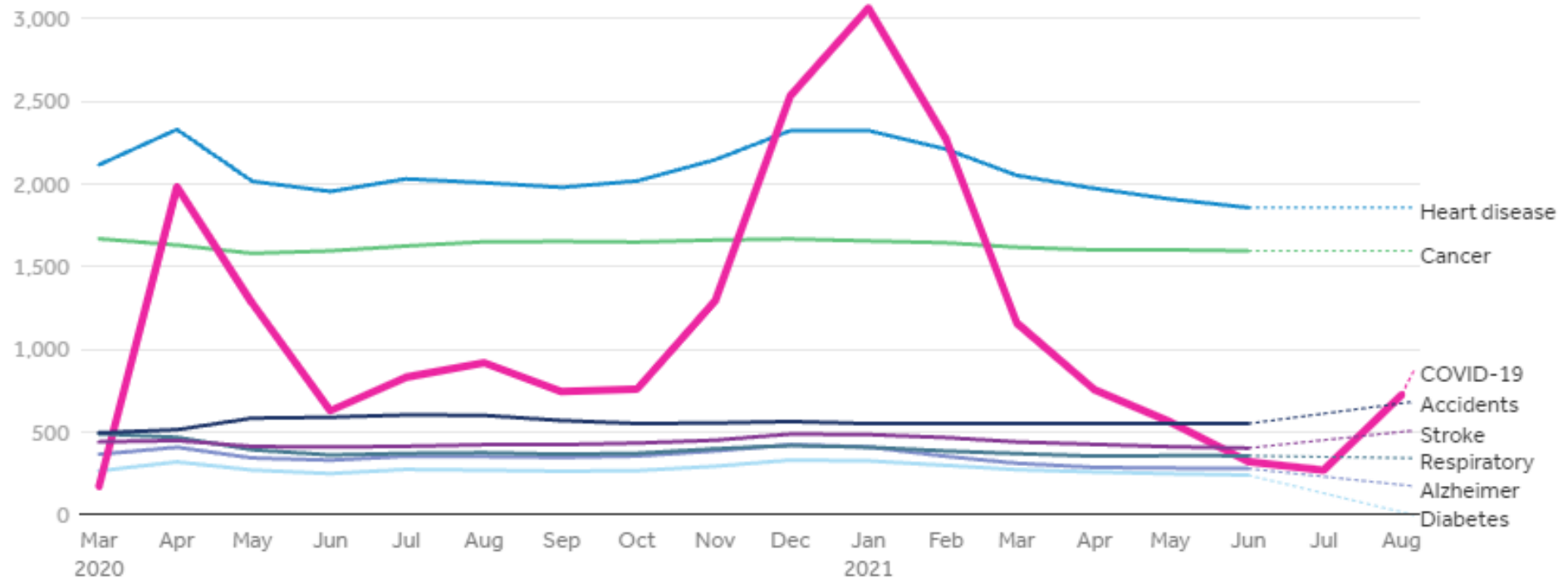
Age-specific rank of COVID-19 deaths in 2021 among rankable leading causes of death

Ages	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	All ages
Jan '21	11	6	4	2	2	1	1	1	1	1	1
Feb '21	13	7	5	4	4	3	3	2	1	2	1
Mar '21	15	8	6	6	5	4	3	3	3	5	3
Apr '21	7	7	6	6	5	4	3	3	3	5	3
May '21	11	9	5	6	5	4	3	3	5	6	3
Jun '21	15	12	7	6	5	4	4	5	7	7	6

Note: Monthly deaths due to COVID-19 for January - June 2021 (as of August 18, 2021 data) were compared to age-specific death counts due to other rankable leading causes.

## COVID-19 ranking fell to number eight among leading causes of death in July but is back up to number three in August 2021

Average daily deaths in the United States, by cause (March 2020 - August 2021)

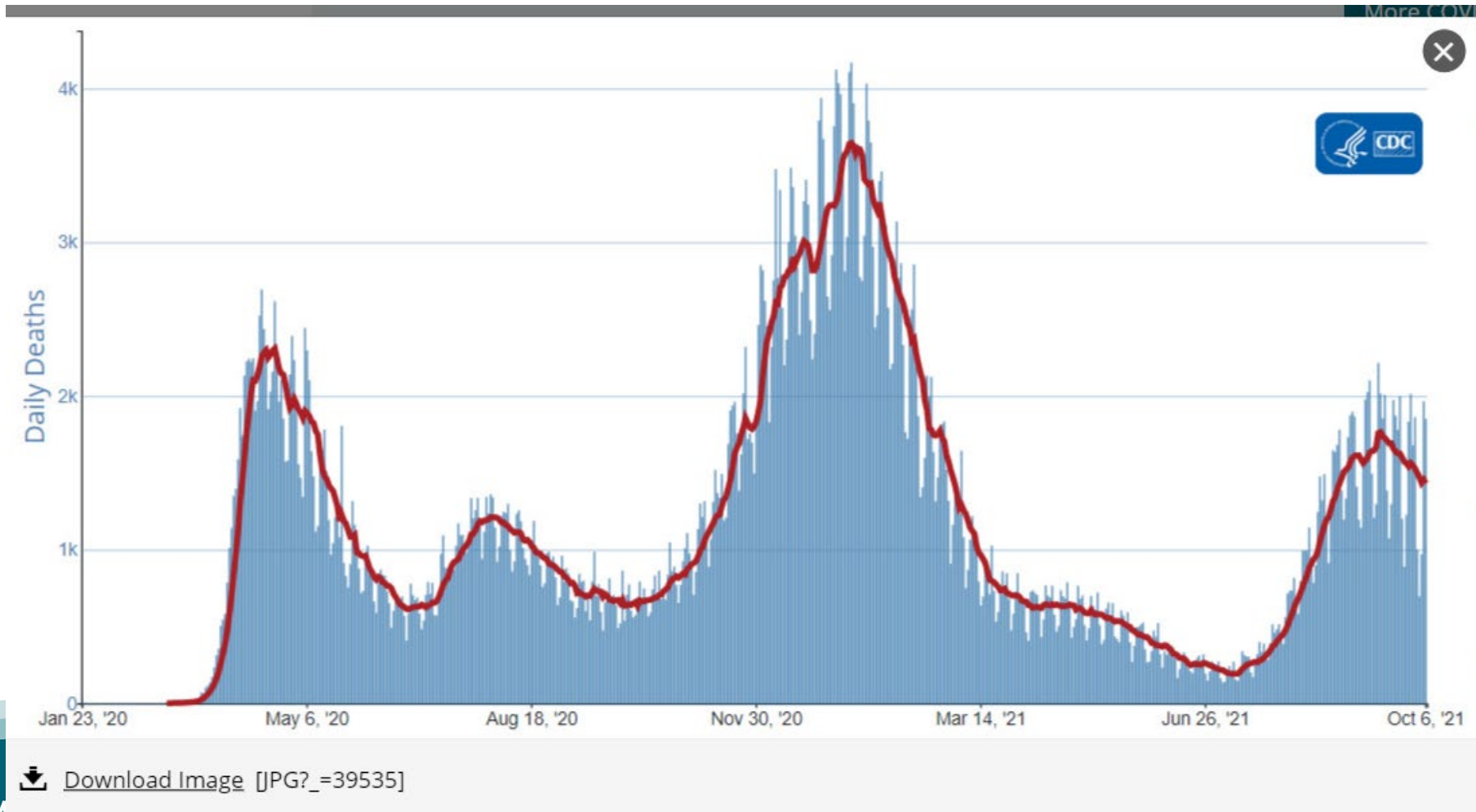


Notes: For accidents in 2021, the 2020 daily average is plotted. Respiratory disease represents chronic lower respiratory disease.

Source: KFF analysis of CDC mortality and KFF COVID-19 tracker • [Get the data](#) • [PNG](#)



# Unvaccinated Related Mortality due to COVID-19



- Average of 1000 people dying per day of COVID-19 infection now of COVID-19
- Over 707K people have died of COVID since March 2020 in the US

# CA Mortality rate from COVID, Vaccinated vs Unvaccinated

From September 5, 2021 to September 11, 2021, unvaccinated people were **17.4 times more likely** to die from COVID-19 than fully vaccinated people.

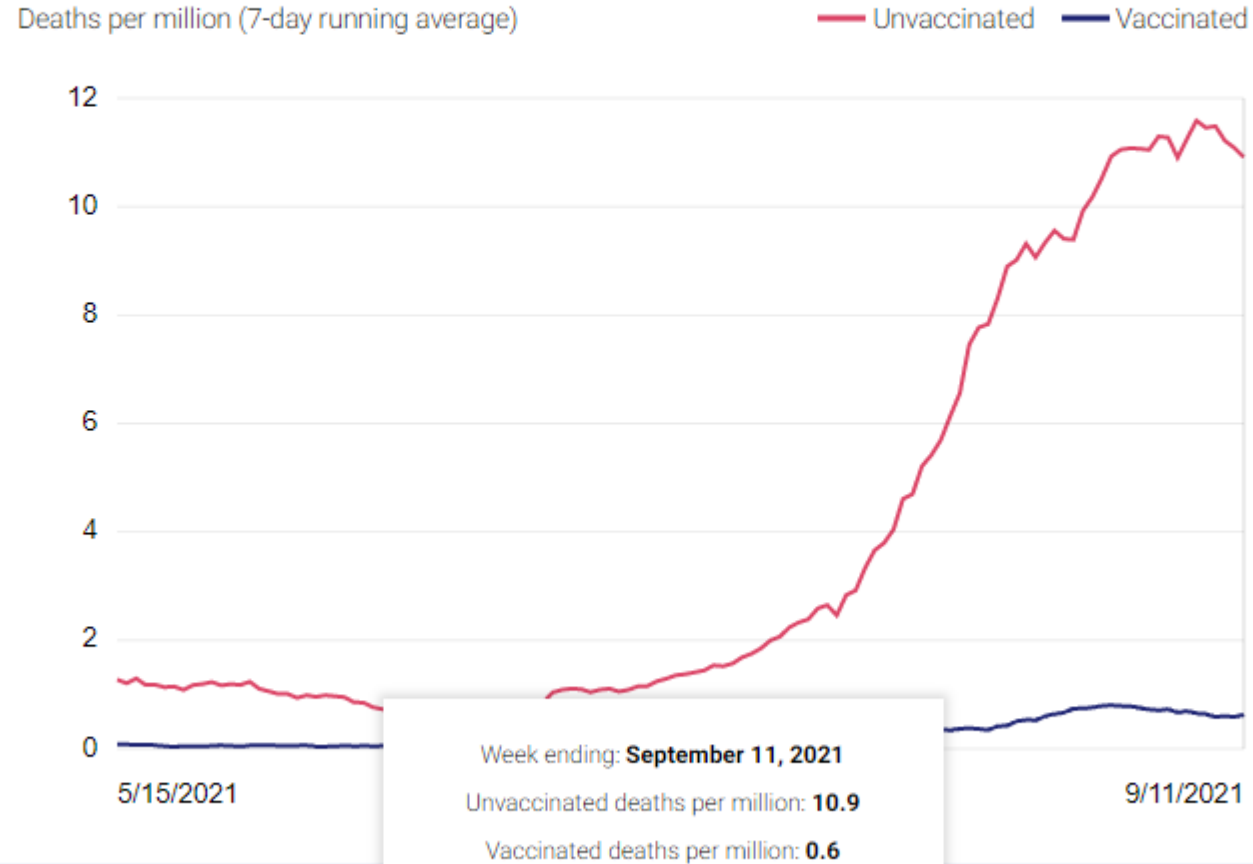


 Chart information

# Vaccine related adverse events in Canada

## What you need to know up to and including October 1, 2021

**No new safety signals  
have been identified in  
Canada**

(three continue to be monitored)

**56,151,862**

Total doses administered

**17,982**

Total adverse event following  
immunization reports

(0.032% of all doses administered)

**13,307**

Total adverse event following  
immunization reports that were non-  
serious

(0.024% of all doses administered)

**4,675**

Total adverse event following  
immunization reports that were serious  
(0.008% of all doses administered)

**161**

New adverse event following  
immunization reports received and  
processed between September 25 to  
October 1, 2021.

(57 new non-serious and  
104 new serious)

- The benefits of vaccines authorized in Canada continue to outweigh the risks.
- Health Canada, the Public Health Agency of Canada (PHAC), the provinces and territories, and manufacturers continue to closely monitor the safety of COVID-19 vaccines. We'll respond to any safety issues right away and will inform Canadians about any risks that arise in Canada.
- Of the **17,982** individual reports (**0.032% of all doses administered**), **4,675** were considered serious (**0.008% of all doses administered**).

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# Deaths following COVID vaccine: 161 in 10 months

## 2.9 per 1 million people vaccinated

### ▼ [Deaths](#)

- Up to and including **October 1, 2021**, a total of **195 reports with an outcome of death were reported** following vaccination. Although these deaths occurred after being vaccinated with a COVID-19 vaccine, they are not necessarily related to the vaccine. Based on the medical case review using the [WHO-UMC causality assessment categories](#), it has been determined that:
  - 73 of these deaths are unlikely linked to a COVID-19 vaccine
  - 75 deaths could not be assessed due to insufficient information
  - 41 deaths are still under investigation
  - 6 deaths followed a diagnosis of TTS (refer to the TTS bullet above)



# US Mortality after COVID-19 Vaccine

Dec 14, 2020-Oct 4, 2021

## Deaths following Vaccine

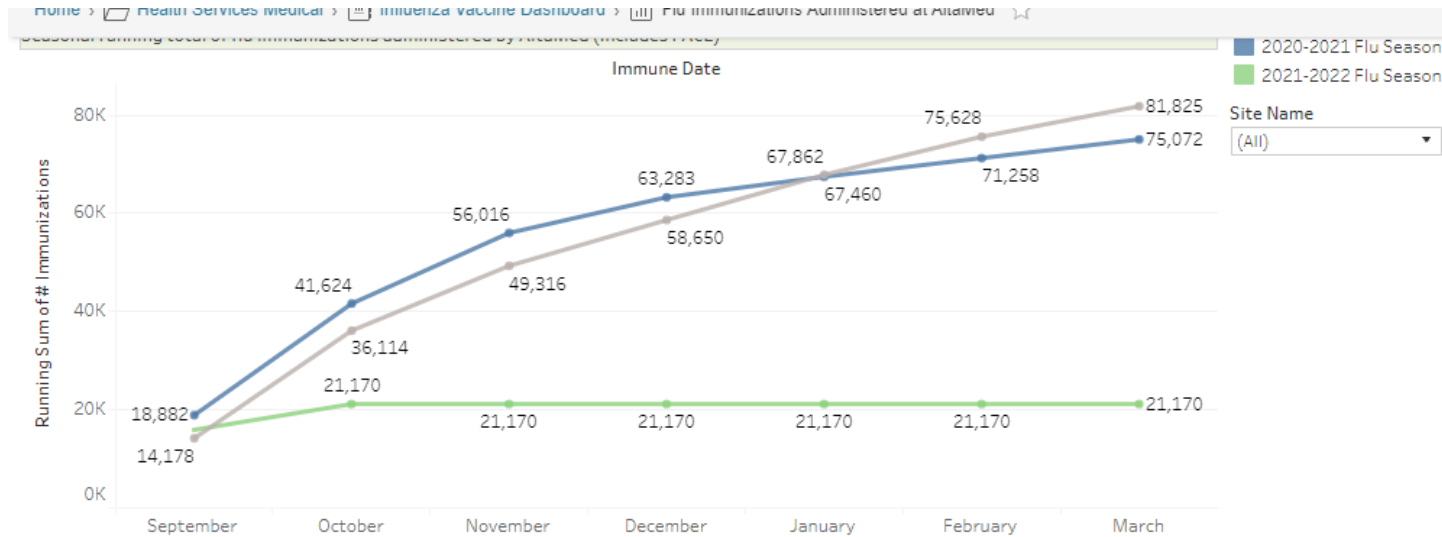
- 8,390 deaths following vaccine/396 million vaccines given
- 8,390 deaths in 294 days
- 21 deaths following the vaccine/million vaccines given, (0.002%)

- Chance of sudden death from getting out of bed 1.8/million
- Chance of dying as a passenger in a car crash 29/million

## COVID-19 Infection related Deaths

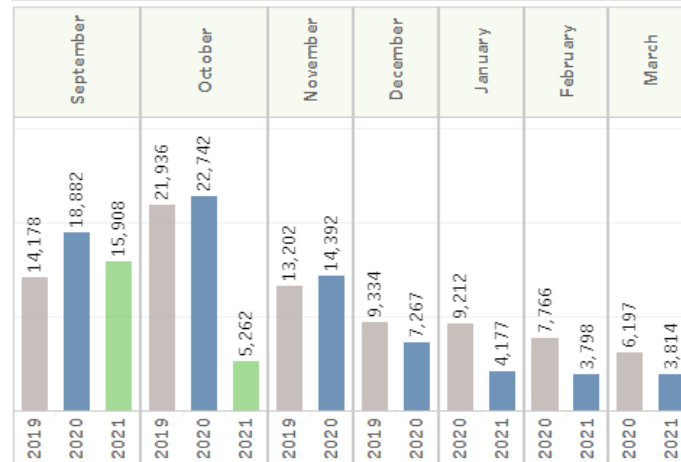
- 294 days, average of 500 deaths/day=147,000 deaths
- If 98% of deaths are in unvaccinated=144,060 deaths related to unvaccinated COVID mortality
- 441 COVID-19 deaths/million people in the US overall in that time period (0.04% overall fatality rate)
- 10,000 deaths/million people infected in the US in that time period (1% case fatality rate)
- 20.5 times more likely to die of COVID overall regardless of infection status than getting the vaccine.
- 476 times more likely to die of COVID if infected than dying following the vaccine

# Patient Flu Vaccines, Far Behind last 2 Years



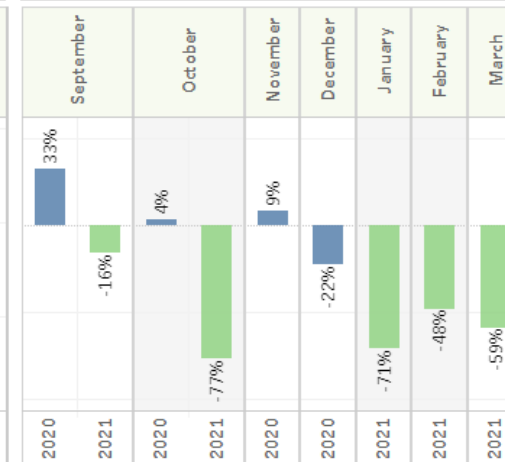
## YoY Flu Immunizations

YoY comparison of seasonal monthly flu immunizations administered by AltaMed (September - March)



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YoY comparison of seasonal monthly flu immunizations administered (September - March)



# Topics for Discussion

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- **Boosters approved for Pfizer >18, 6 mo out with comorbidities, age >65 or high occupational risk**
- **3<sup>rd</sup> doses approved for Pfizer and Moderna in immune compromised hosts >28 days out**
- **Monoclonal ab approved for COVID treatment and COVID prophylaxis but with shortages, just use for treatment right now**
- **Upcoming in October:**
  - Approval for Moderna and Janssen for boosters
  - Approval for Pfizer for 5-11 year olds by Halloween
  - Approval for Merck pill to treat COVID in high risk people

# Questions?

- CDC COCA Calls
- IDSA/Clinician Calls Every Other Week
- SHEA Weekly TownHall



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