

# VAERS Summary for COVID-19 Vaccines through 8/20/2021

All charts and tables below reflect the data release on 8/27/2021 from the VAERS website, which includes U.S. and foreign data, and is updated through: **8/20/2021**.

High-Level Summary	COVID19 vaccines (Dec'2020 - present)	All other vaccines 1990-present	US Data Only COVID19 vaccines (Dec'2020 - present)	US Data Only All other vaccines 1990-present
Number of Adverse Reactions	623,343	815,029	488,318	714,672
Number of Life-Threatening Events	14,104	13,426	7,896	9,573
Number of Hospitalizations	55,821	77,860	28,174	37,720
Number of Deaths	13,627*	8,879*	6,128	5,011
# of Permanent Disabilities after vaccination	17,794	19,088	7,059	12,021
Number of Office Visits	100,965	42,377	94,516	41,095
# of Emergency Room/Department Visits	74,312	209,000	64,644	200,074
# of Birth Defects after vaccination	393	138	276	89

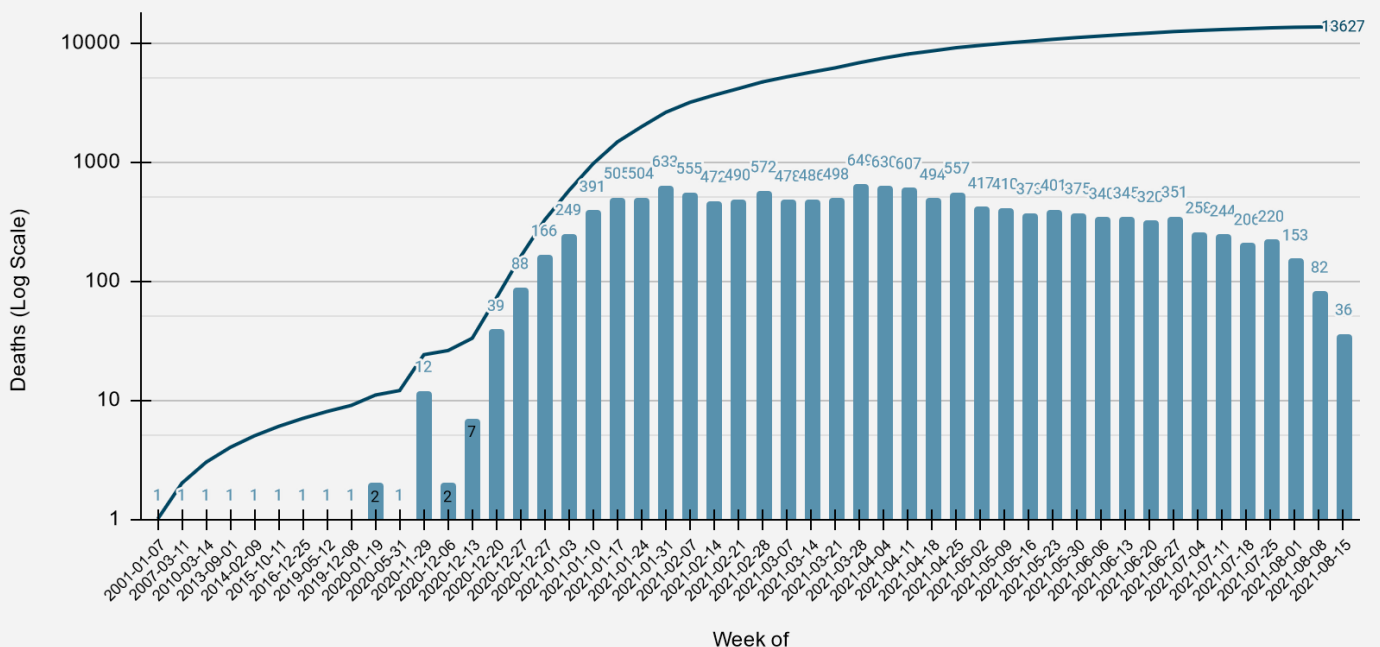
\*Note that the total number of deaths associated with the COVID-19 vaccines is greater than the number of deaths associated with all other vaccines combined since the year 1990.

## Deaths

### Reported Deaths by Week, COVID19 Vaccines

Data Obtained from CDC's VAERS

■ Weekly Deaths ■ Cumulative Deaths

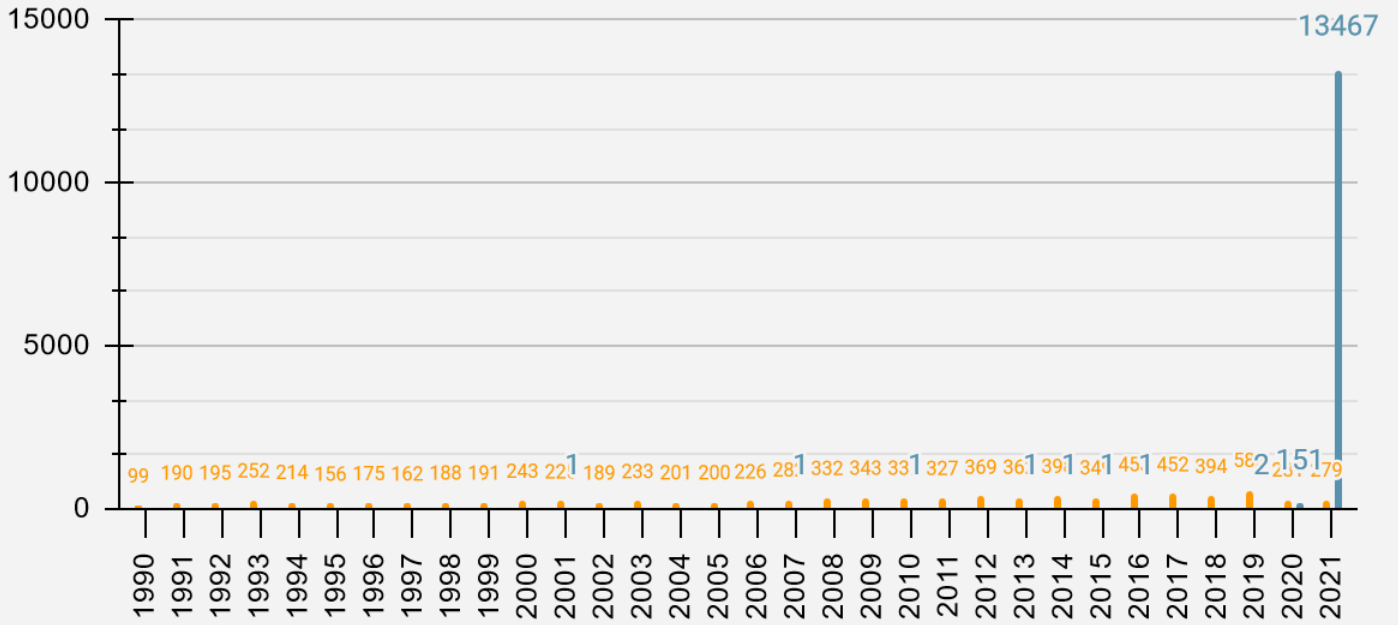


[Note that the single counts before 2020-11-29 are due to incorrect date data in the VAERS system]

# Reported Deaths by Year, COVID19 vs. All Other Vaccines

Data Obtained from CDC's VAERS

■ All Other Vaccines ■ COVID-19 Vaccines



[Note that COVID19 counts for years before 2020 are due to incorrect date data in the VAERS system]

# Reported Deaths by Year, COVID19 vs. All Other Vaccines, Cumulatively

Data Obtained from CDC's VAERS

● COVID19 Vaccines cumulative ● All Other Vaccines cumulative

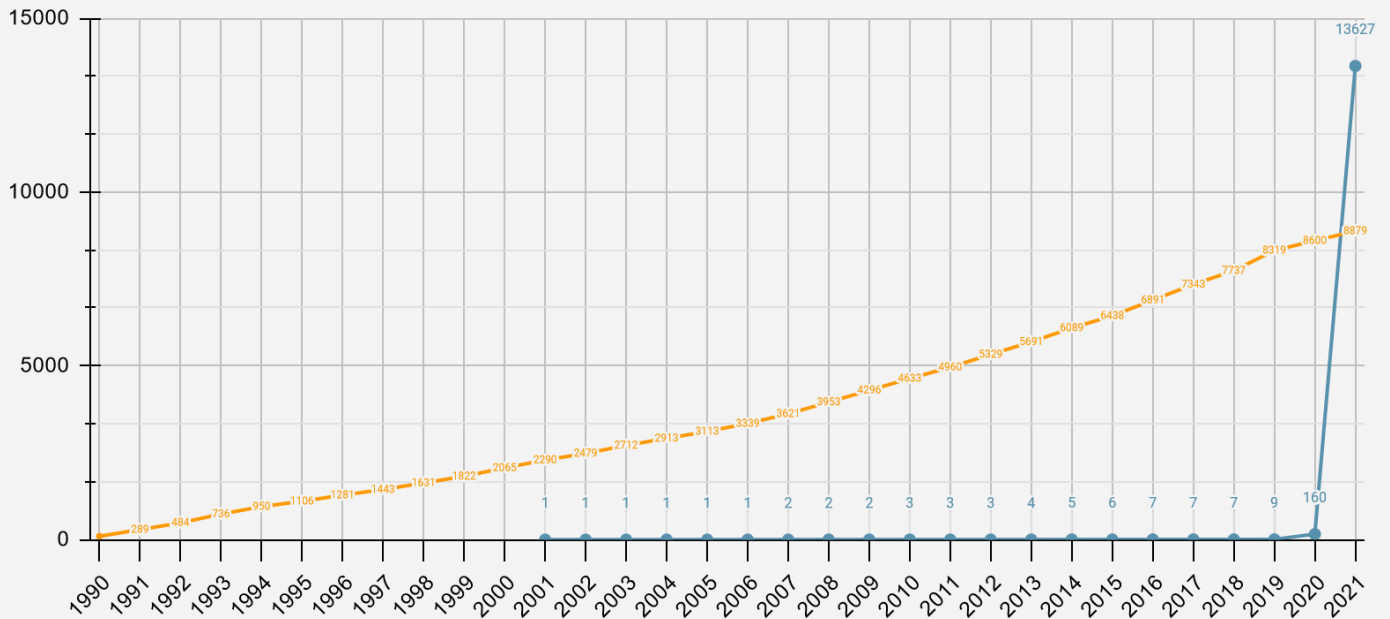
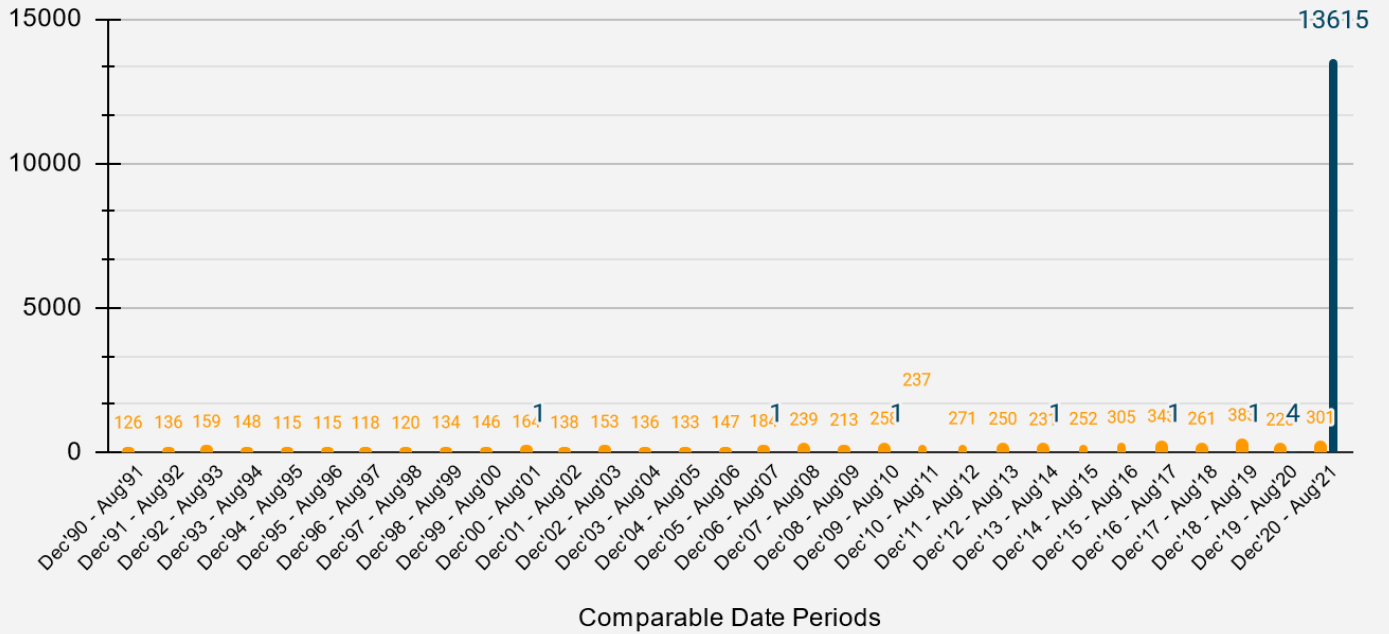


Chart below using comparable 9 month periods, since Covid-19 vaccines have only been available for approximately 9 months:

## Reported Deaths by Comparable Date Periods, COVID19 vs. All Other Vaccines

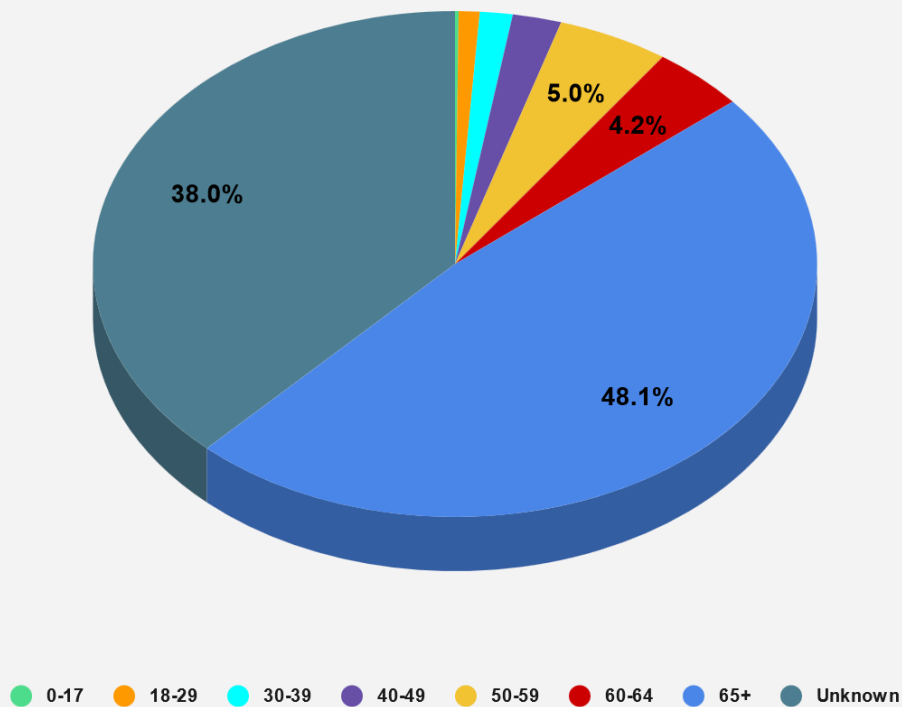
Data obtained from CDC's VAERS

■ All Other Vaccines
 ■ COVID19 Vaccines



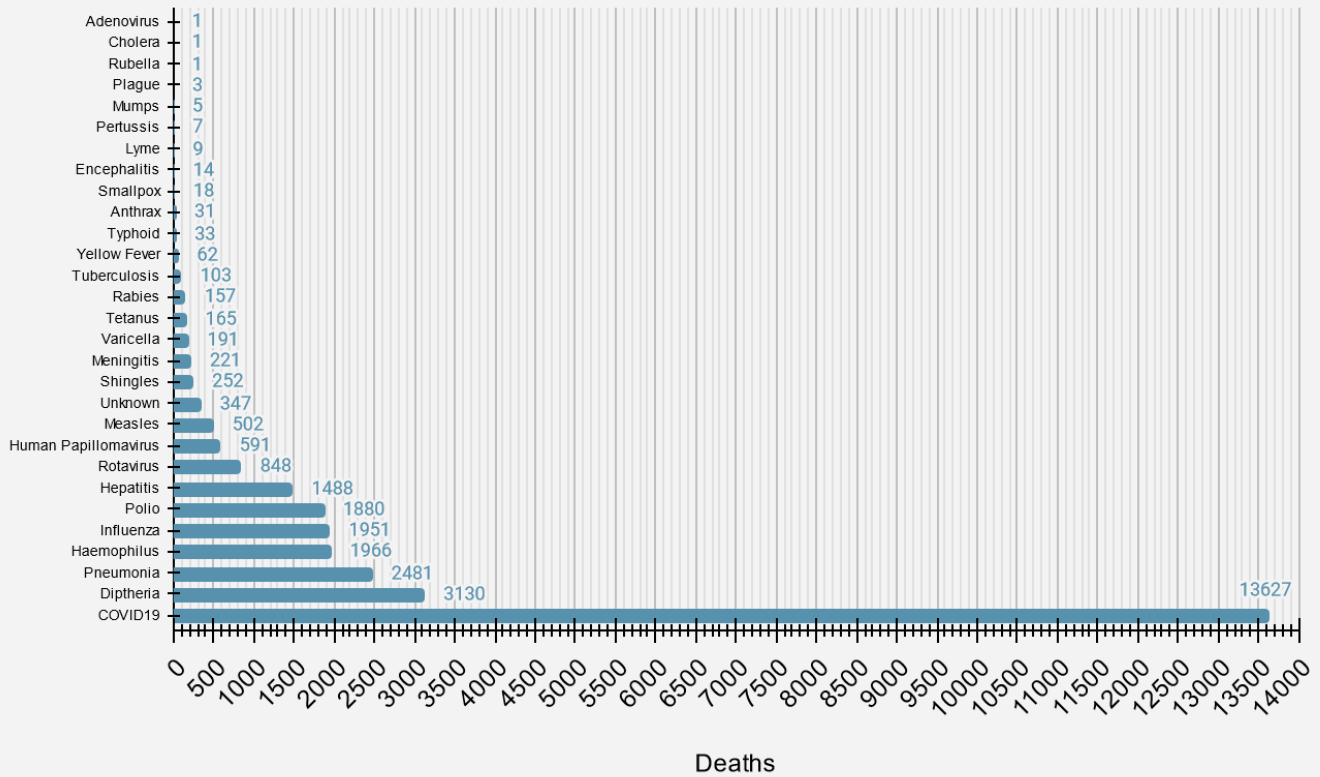
## Age Distribution of Reported Deaths After COVID19 Vaccination

Data obtained from CDC's VAERS



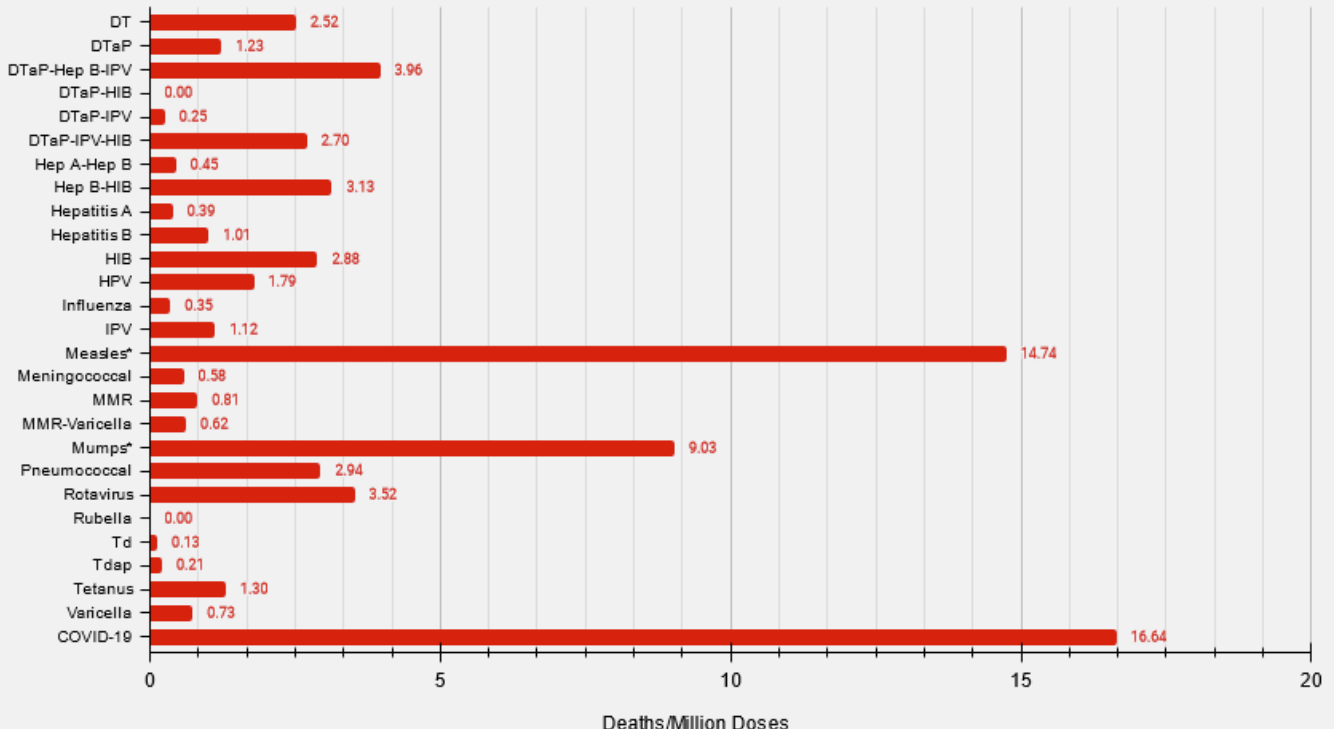
# Reported Deaths By Vaccine Type, 1990-Present

Data Obtained from CDC's VAERS



# Deaths Per Million Doses (US Only) Traditional Vaccines (2006 - 2019), Covid-19 Vaccines (2020-Present)

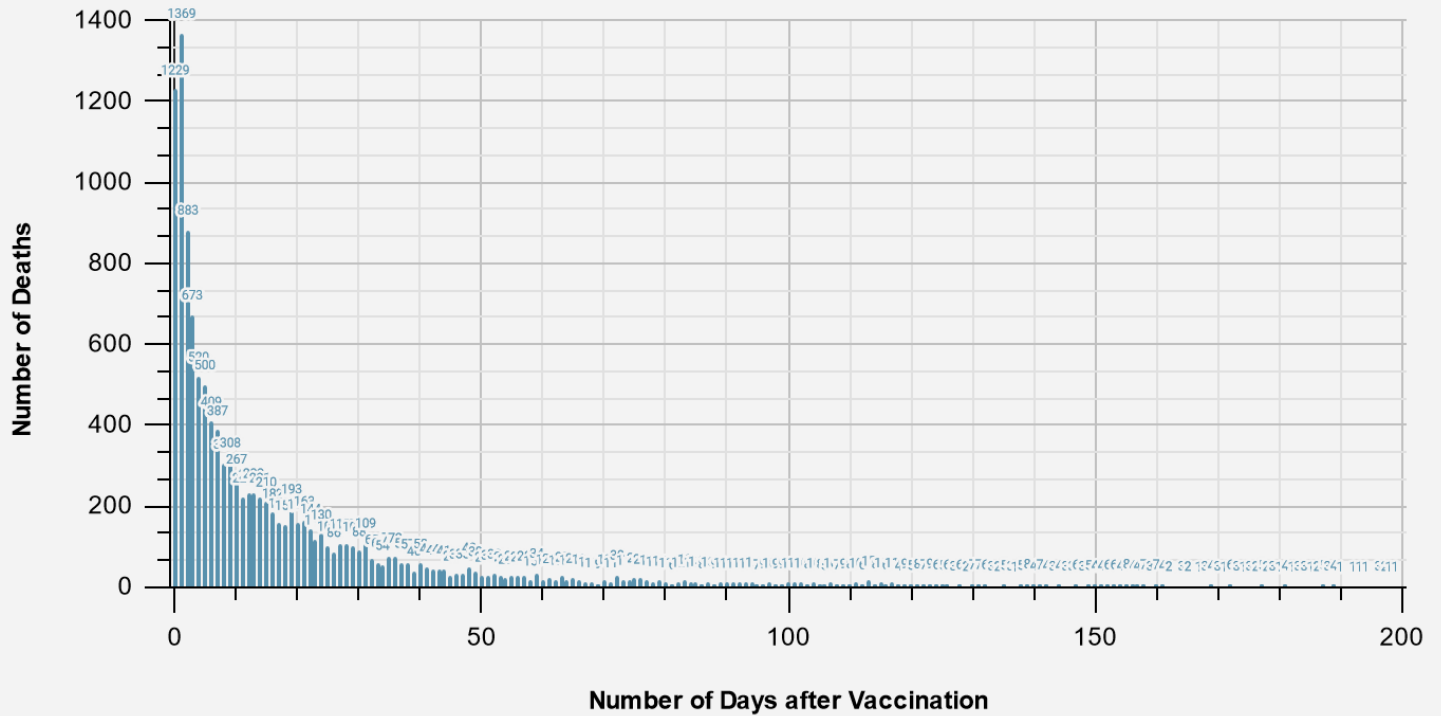
Data Obtained from CDC's VAERS and NVICP data & statistics report



\*number of doses for Measles and Mumps are 2-3 orders of magnitude less than others

# Number of Deaths by Days After COVID19 Vaccination

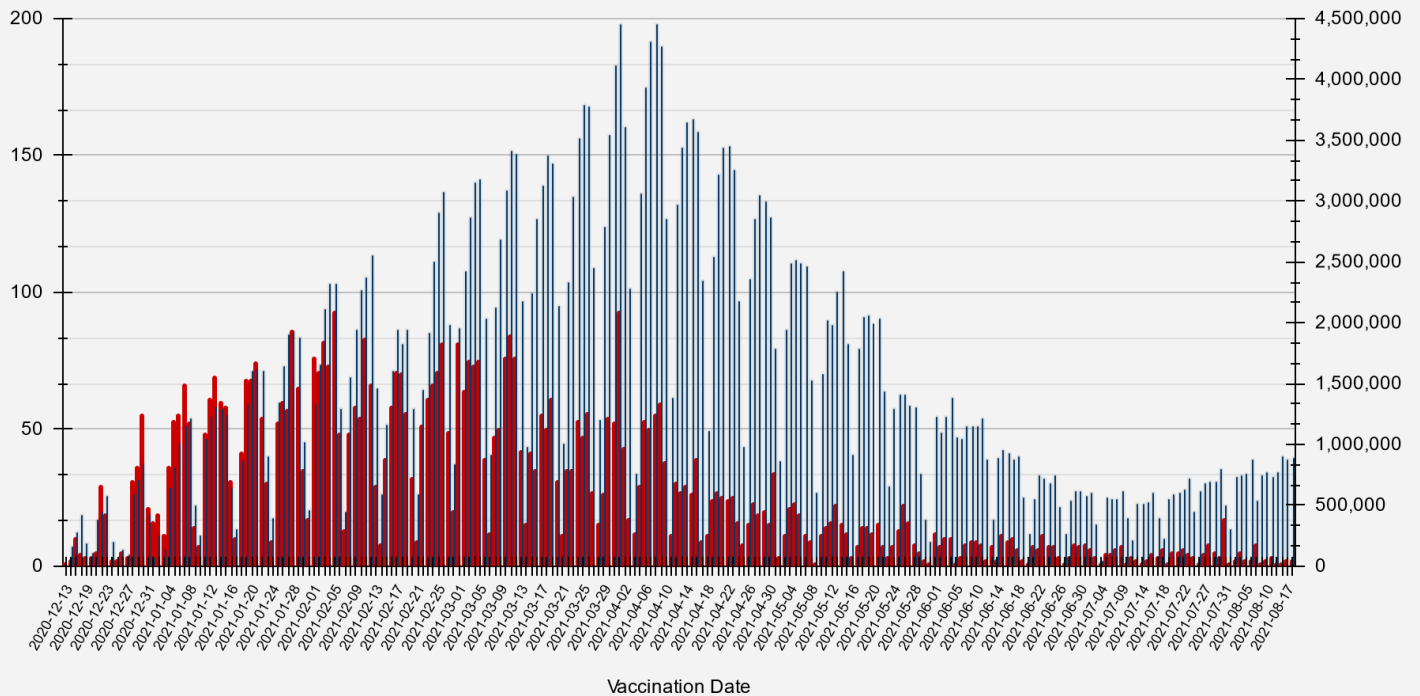
Data obtained from CDC's VAERS



# Reported Deaths Daily vs. Doses Administered for COVID19 Vaccines (US Data Only)

Data Obtained from CDC's VAERS & CDC

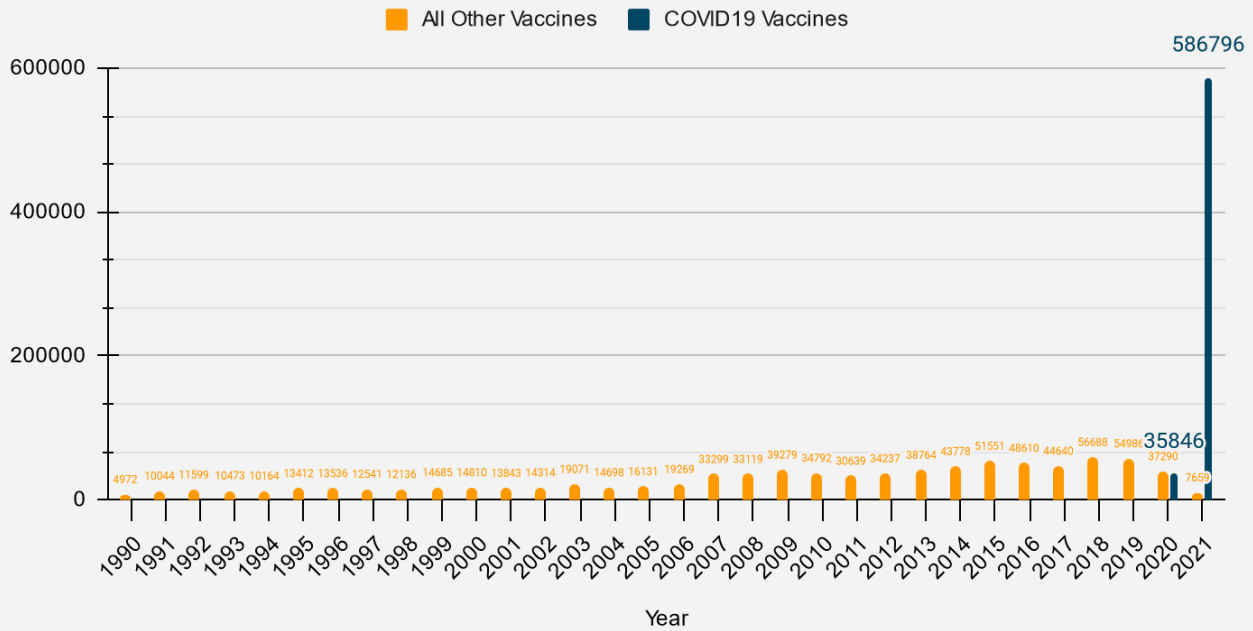
■ Number of Deaths ■ Number of Doses



# Adverse Events

## Reported Adverse Events by Year, COVID19 vs. All Other Vaccines

Data obtained from CDC's VAERS

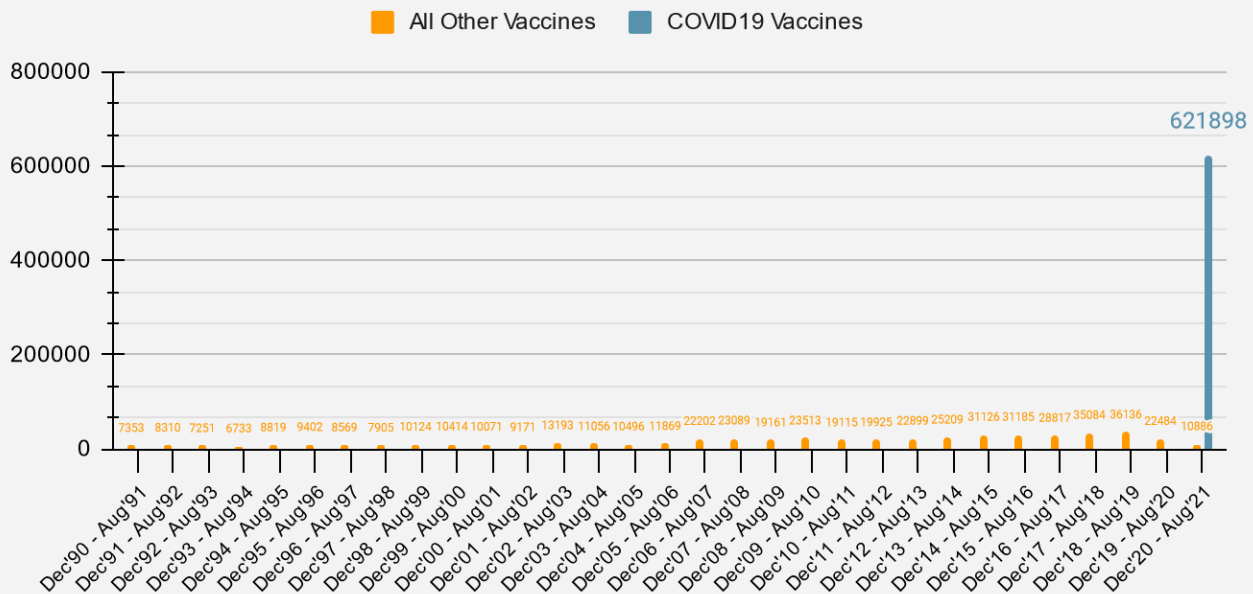


[Note that 701 records for COVID19 were scattered throughout years earlier than 2020 due to incorrect date data in the VAERS system]

Chart below using comparable 9 month periods, since Covid-19 vaccines have only been available for approximately 9 months:

## Reported Adverse Events by Comparable Date Period, COVID19 vs. All Other Vaccines

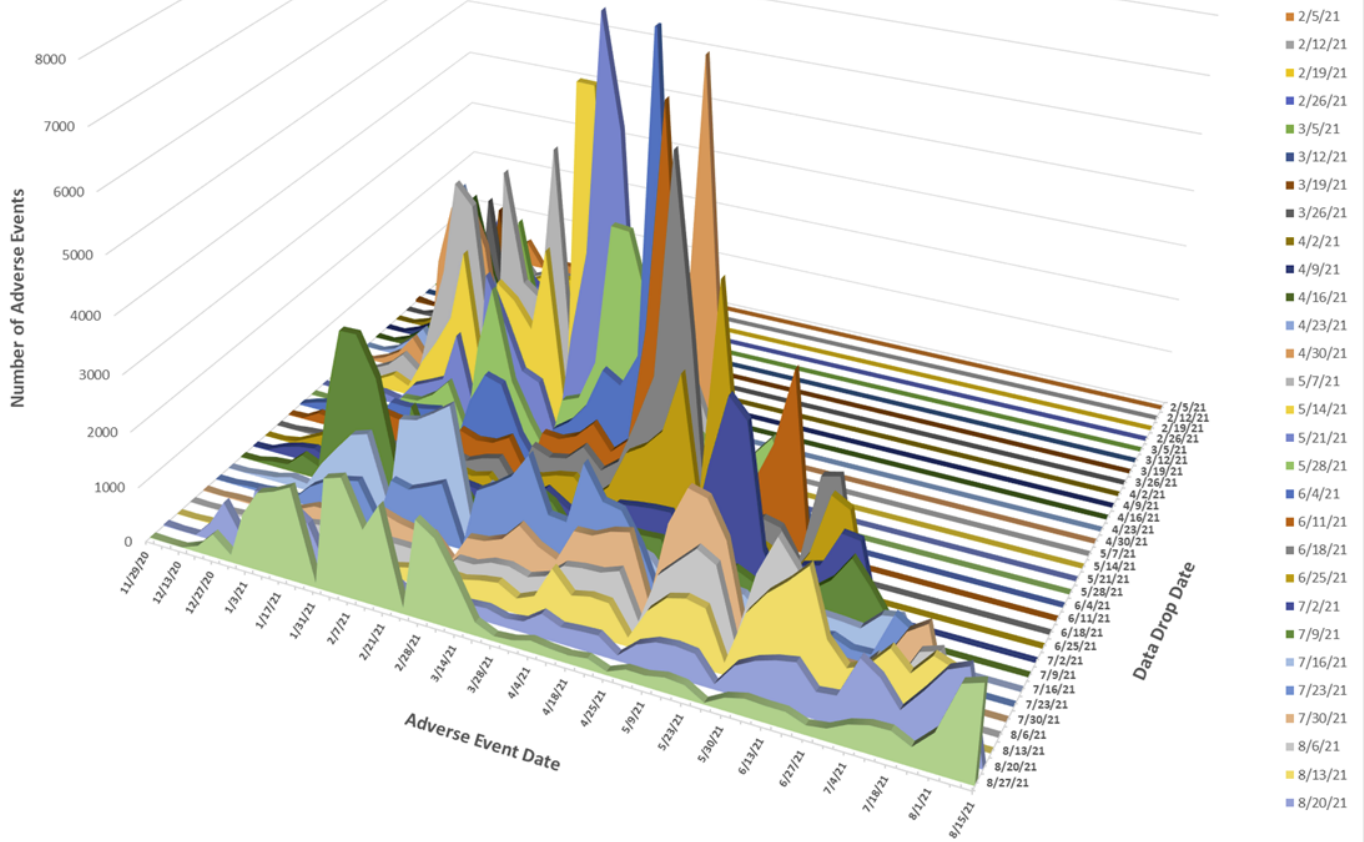
Data Obtained from CDC's VAERS



[Note that 1445 records for COVID19 were scattered throughout periods earlier than Dec'20-Jul'21 due to incorrect date data in the VAERS system]

## Weekly Distribution of Newly Reported Adverse Events After COVID-19 Vaccines By Date of Data Drop

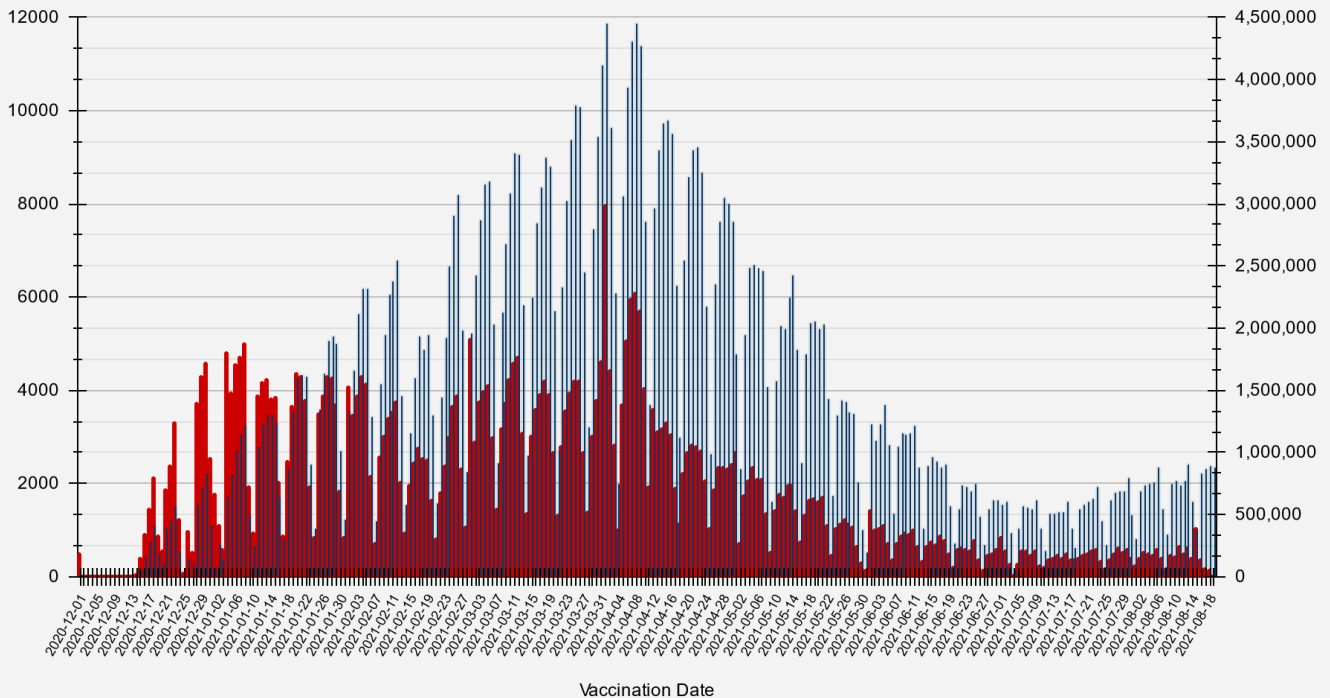
(2/5/21 - 8/27/21)



## Reported Adverse Events Daily, COVID19 Vaccines vs. Doses Administered (US Data Only)

Data Obtained from CDC's VAERS

■ Number of AEs   ■ Number of Doses



# Symptoms

The slide below was taken from an FDA document from October 22, 2020 and provides a list of possible adverse event outcomes related to the Covid-19 vaccines.

- Source: [Vaccines and Related Biological Products Advisory Committee October 22, 2020 Meeting Presentation](#)

**FDA Safety Surveillance of COVID-19 Vaccines :**  
**DRAFT Working list of possible adverse event outcomes**  
**\*\*\*Subject to change\*\*\***

- Guillain-Barré syndrome
- Acute disseminated encephalomyelitis
- Transverse myelitis
- Encephalitis/myelitis/encephalomyelitis/  
meningoencephalitis/meningitis/  
encepholopathy
- Convulsions/seizures
- Stroke
- Narcolepsy and cataplexy
- Anaphylaxis
- Acute myocardial infarction
- Myocarditis/pericarditis
- Autoimmune disease
- Deaths
- Pregnancy and birth outcomes
- Other acute demyelinating diseases
- Non-anaphylactic allergic reactions
- Thrombocytopenia
- Disseminated intravascular coagulation
- Venous thromboembolism
- Arthritis and arthralgia/joint pain
- Kawasaki disease
- Multisystem Inflammatory Syndrome  
in Children
- Vaccine enhanced disease

The following table lists the number of adverse events found in the VAERS data which match the outcomes listed above:

FDA listed symptom	Total (Non-Lethal) Adverse Events	Total Deaths
Guillain-Barre	916	19
Acute Disseminated Encephalomyelitis	65	2
Transverse Myelitis	197	0
Encephalitis	798	80
Convulsions/Seizures	7917	244
Stroke	7462	750
Narcolepsy, Cataplexy	135	3
Anaphylaxis	29707	129
Acute Myocardial Infarction (Heart Attack)	2022	708
Myocarditis/Pericarditis	4247	69
Autoimmune Disease	537	15
Other Acute Demyelinating Diseases	131	1
Pregnancy and birth outcomes (Miscarriages)	1558	42
Other Allergic Reactions	1096	1
Thrombocytopenia	2409	193
Disseminated Intravascular Coagulation	108	35
Venous Thromboembolism	10861	650
Arthritis and Arthralgia/Joint Pain	41461	117
Kawasaki Disease	27	1
Systemic Inflammatory Response Syndrome	330	19



## Vaccination Related Risks of Covid-19 vs. Flu

These set of figures compare the COVID19 vaccine to the traditional Flu vaccines. 'Risk of Death' percentages depend on the '# of Vaccinations' data, which is only approximate, and was pulled from the [CDC's report](#) on Flu vaccination coverage for the 2019-2020 season, and from [Our World in Data](#) for the COVID19 vaccinations.

**Covid19 vaccinations through 5/31/2021 vs. Flu vaccinations 7/1/2019 - 5/31/2020 (last complete flu season)**

Vaccine Type	# of Vaccinations	# of Deaths	Risk of Death	Percentage	Deaths/Mill. Doses
Flu	167,447,642 <sup>[1]</sup>	31	1 in 5,401,537	0.000019%	.19
COVID19	167,733,972 <sup>[2]</sup>	5,268	1 in 31,840	0.003141%	31.41
<b>Risk of dying from COVID vaccine is 169.6 times greater than Flu Vaccine</b>					

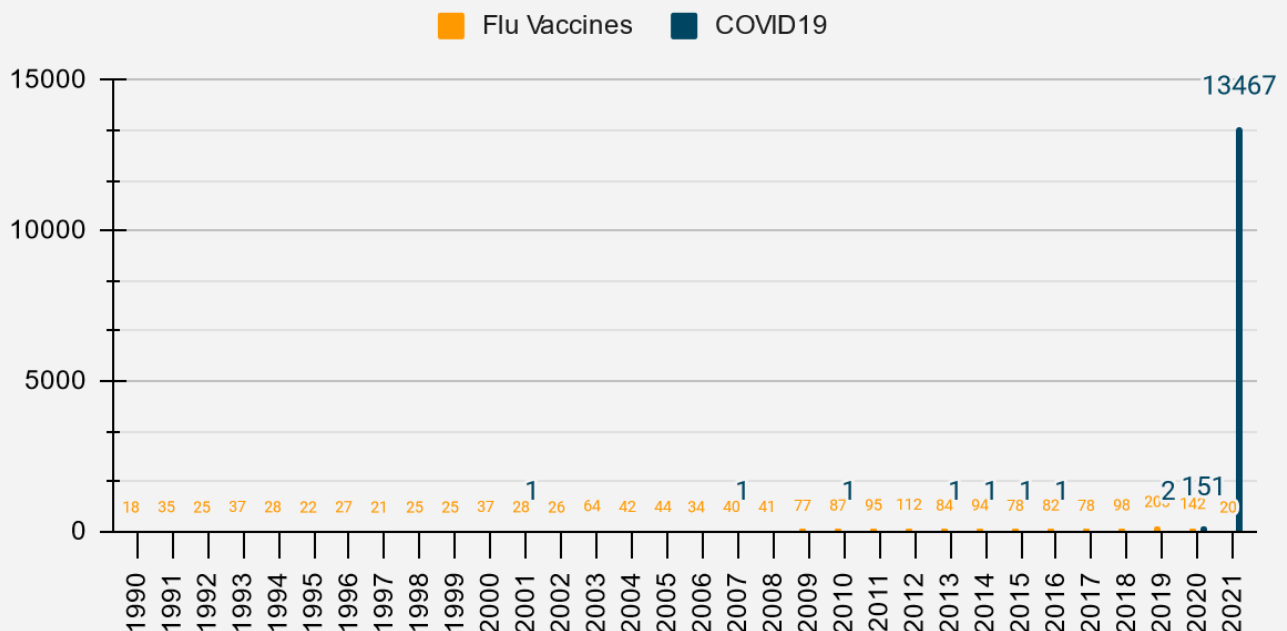
Vaccine Type	# of Vaccinations	# of Adverse Reactions	Risk of Adverse Reaction	Percentage	AEs/Mill. Doses
Flu	167,447,642	9,660	1 in 17,334	0.005779%	57.69
COVID19	167,733,972	445,862	1 in 376	0.2658%	2,658.15
<b>Risk of adverse reaction from COVID vaccine is 46.1 times greater than Flu Vaccine</b>					

[1] number of flu vaccinations based on estimated flu vaccine coverage data from [CDC](#) and estimated population data from [US Census](#). Yearly flu vaccination data covers a period of time from 7/1 to 5/31 of the following year.

[2] number of covid19 vaccinations based on estimates from [Our World in Data](#)

### Reported Deaths by Year, COVID19 vs. Flu Vaccines

Data Obtained from CDC's VAERS



## Vaccine Data by Manufacturer

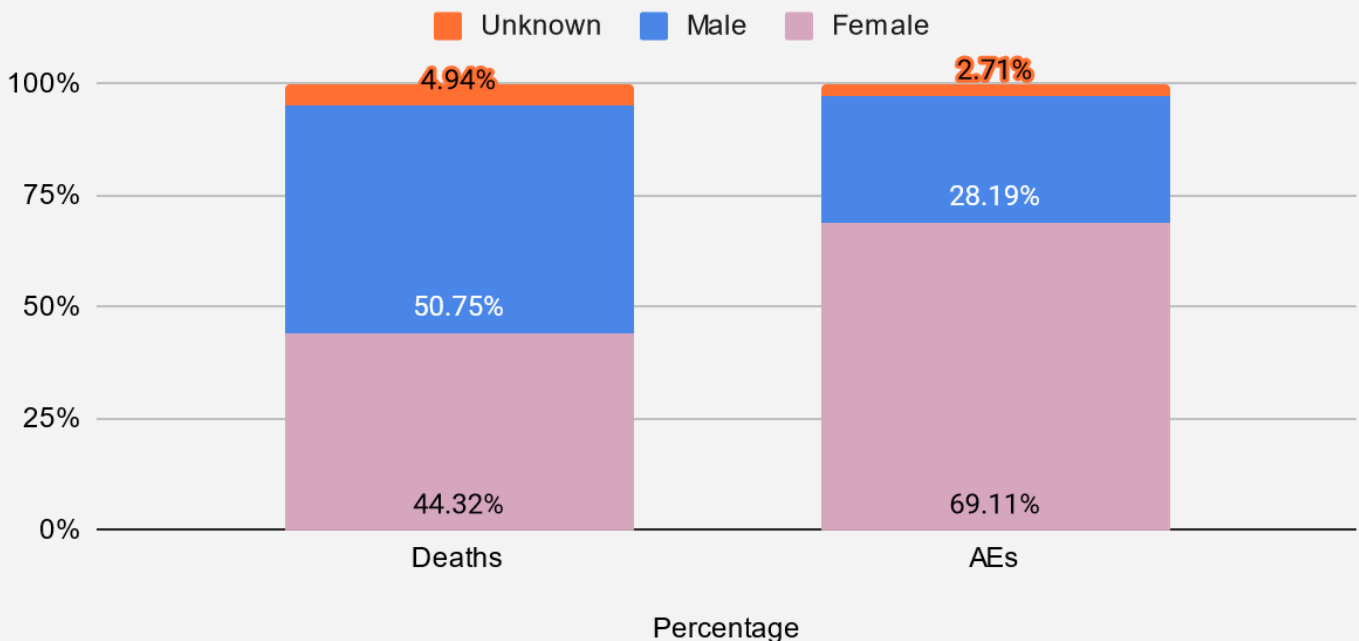
Manufacturer	# of Deaths	% Deaths	Average Deaths/Day	Doses Administered	Average Deaths/ Mill. Doses	Days since EUA approval	EUA Approval Date
Janssen (JNJ)	765	5.61%	4.37	14,230,266	53.76	175	2/26/21
Moderna	3360	24.64%	13.71	144,290,127	23.29	245	12/18/20
Pfizer/Biontech	9470	69.45%	37.58	206,901,538	45.77	252	12/11/20
Unknown	40	0.29%		345,743			

Manufacturer	# of AEs	% AEs	Average AEs/Day	Doses Administered	Average AEs/Mill. Doses	Days since EUA approval	EUA Approval Date
Janssen (JNJ)	50731	8.13%	289.89	14,230,266	3565.01	175	2/26/21
Moderna	239318	36.36%	976.81	144,290,127	1658.59	245	12/18/20
Pfizer/Biontech	332557	53.30%	1319.67	206,901,538	1607.32	252	12/11/20
Unknown	1283	0.21%		345,743			

## Vaccine Data by Gender

### Gender Distribution of Reported Deaths and AEs after COVID19 Vaccination

All Data Obtained from CDC's VAERS

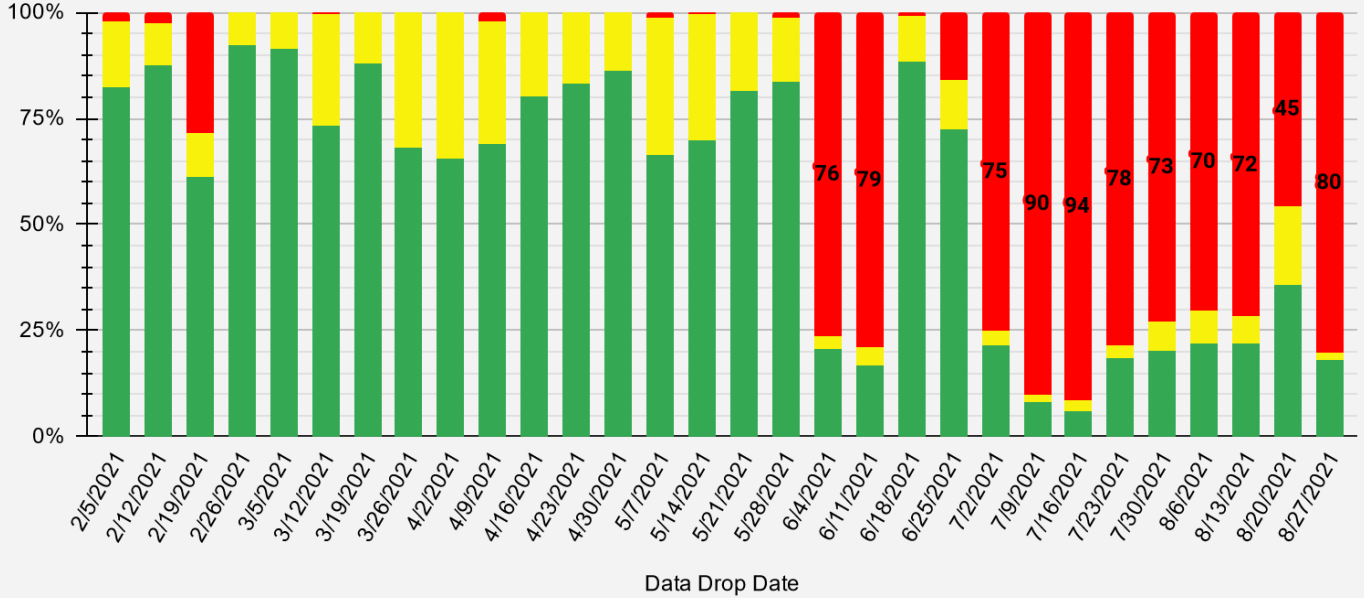


# Vaccine Data by Location

## Distribution by Location of Reported Deaths after COVID19 Vaccination

All Data Obtained from CDC's VAERS

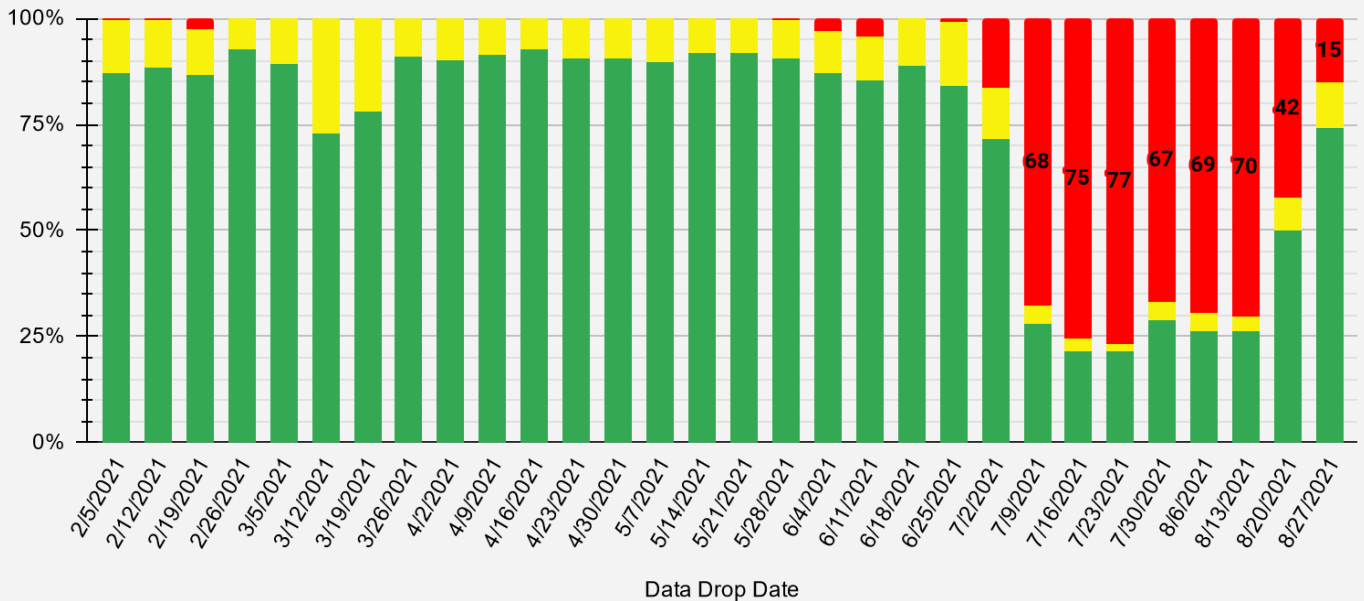
Foreign % Unknown % US %



## Distribution by Location of Reported Adverse Events after COVID19 Vaccination

All Data Obtained from CDC's VAERS

Foreign % Unknown % US %



## Sources

Visit: [vaersanalysis.info](https://vaersanalysis.info) for more information

1. Vaccine data (Covid-19 and other vaccines) taken from CDC's VAERS website, located here: <https://vaers.hhs.gov/data/datasets.html>. VAERS data sets in the form of csv files are pulled down weekly and put into a database for reporting/analysis. Data files are available all the way back to 1990.
2. Number of doses distributed for other vaccines found in NVICP Data and Statistics report here: <https://www.hrsa.gov/sites/default/files/hrsa/vaccine-compensation/data/data-statistics-report.pdf>
3. Numbers for Covid-19 vaccines administered by manufacturer found here: [https://covid.cdc.gov/covid-data-tracker/#vaccinations\\_vacc-total-admin-rate-total](https://covid.cdc.gov/covid-data-tracker/#vaccinations_vacc-total-admin-rate-total)
4. Numbers for total Covid-19 vaccine doses administered found here: <https://data.cdc.gov/Vaccinations/COVID-19-Vaccination-Trends-in-the-United-States-N/rh2h-3yt2>
5. Numbers for Flu vaccine doses administered for 2019-2020 season found here: <https://www.cdc.gov/flu/fluview/coverage-1920estimates.htm>