

# VAERS Summary for COVID-19 Vaccines through 8/27/2021

All charts and tables below reflect the data release on 9/3/2021 from the VAERS website, which includes U.S. and foreign data, and is updated through: **8/27/2021**.

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	650,077	816,672	514,270	716,311
Number of Life-Threatening Events	14,327	13,435	8,056	9,583
Number of Hospitalizations	56,912	77,886	29,079	37,747
Number of Deaths	13,911*	8,886*	6,296	5,018
# of Permanent Disabilities after vaccination	18,098	19,104	7,312	12,038
Number of Office Visits	103,836	42,610	97,329	41,327
# of Emergency Room/Department Visits	76,103	209,083	66,367	200,156
# of Birth Defects after vaccination	405	138	285	89

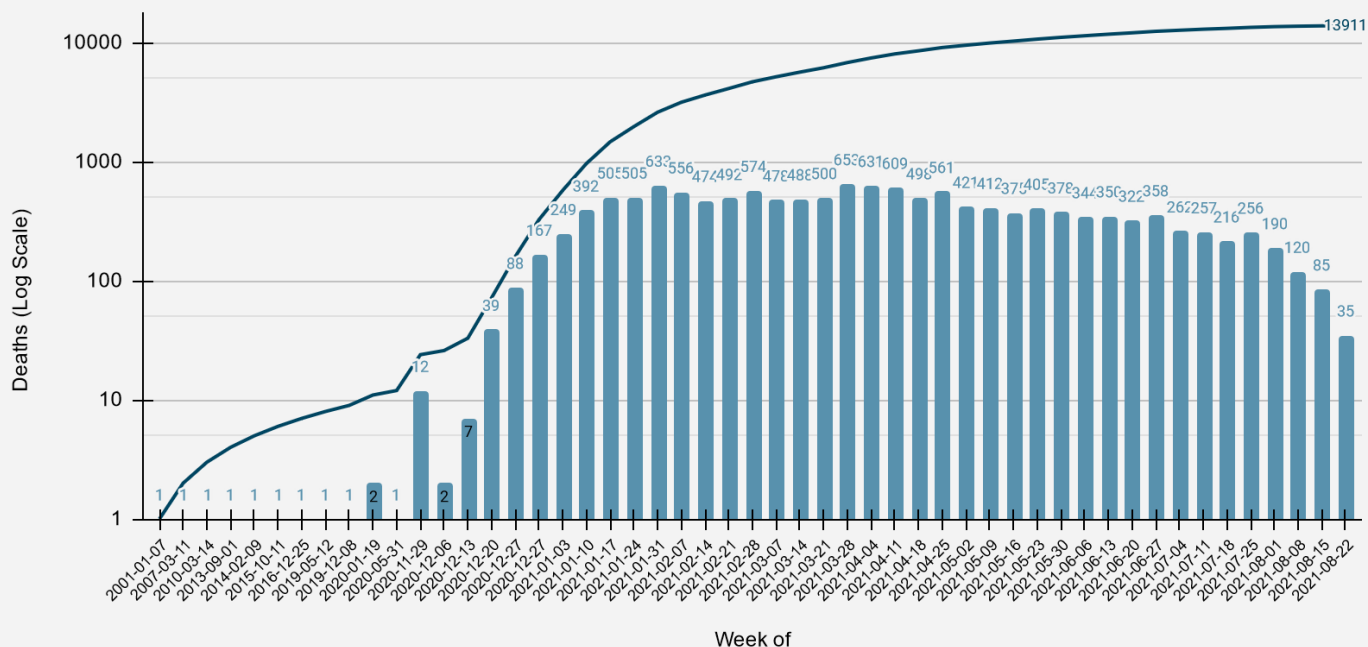
\*Note that the total number of deaths associated with the COVID-19 vaccines is greater than the number of deaths associated with all other vaccines combined since the year 1990.

## Deaths

### Reported Deaths by Week, COVID19 Vaccines

Data Obtained from CDC's VAERS

■ Weekly Deaths — Cumulative Deaths

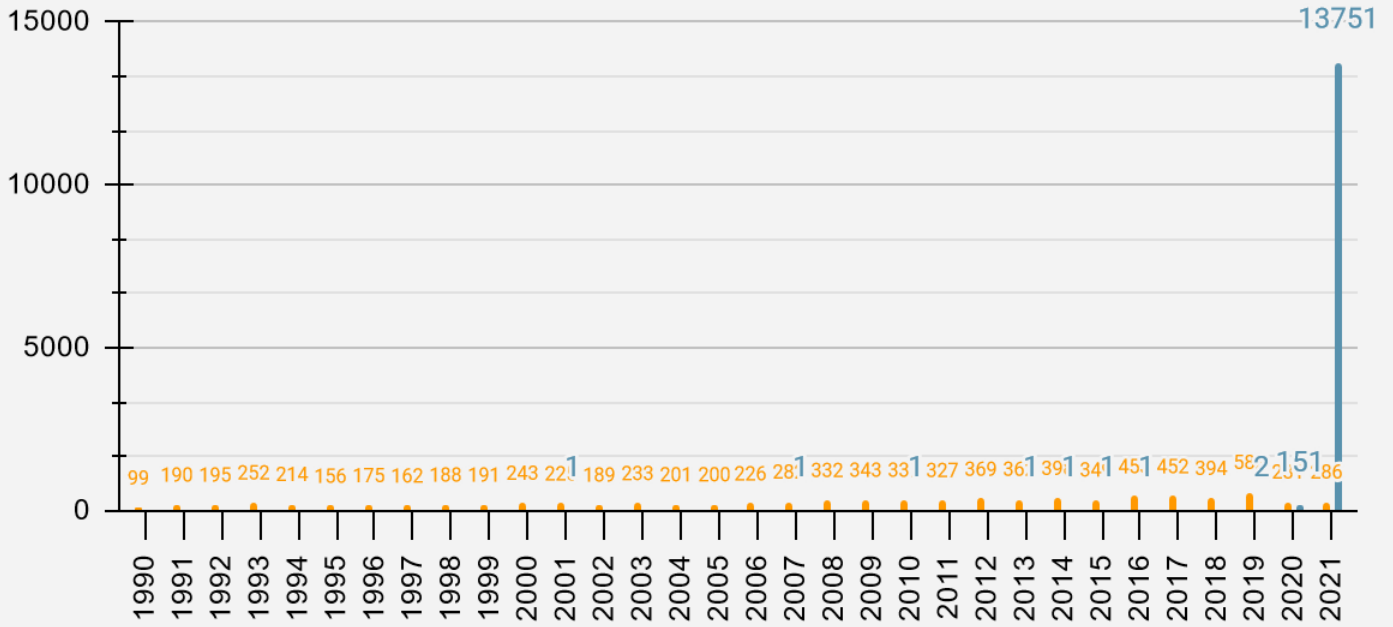


[Note that the single counts before 2020-11-29 are due to incorrect date data in the VAERS system]

# 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

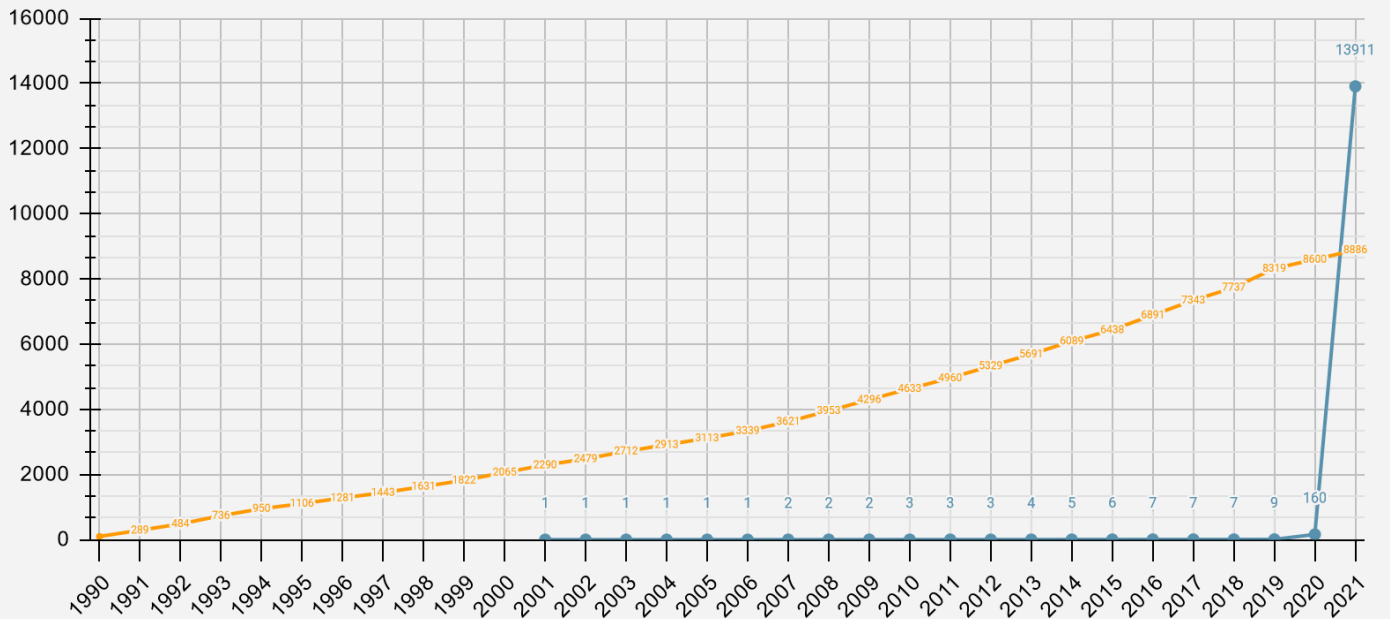
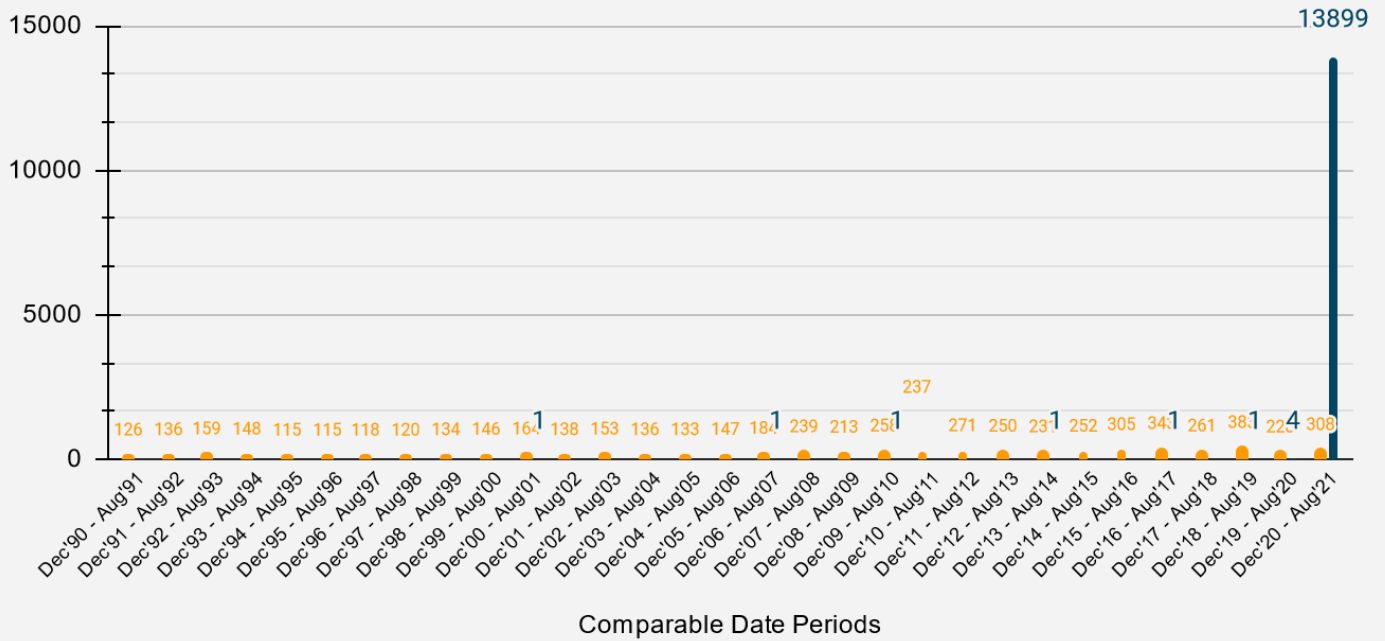


Chart below using comparable 9 month periods, since Covid-19 vaccines have only been available for approximately 9 months:

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

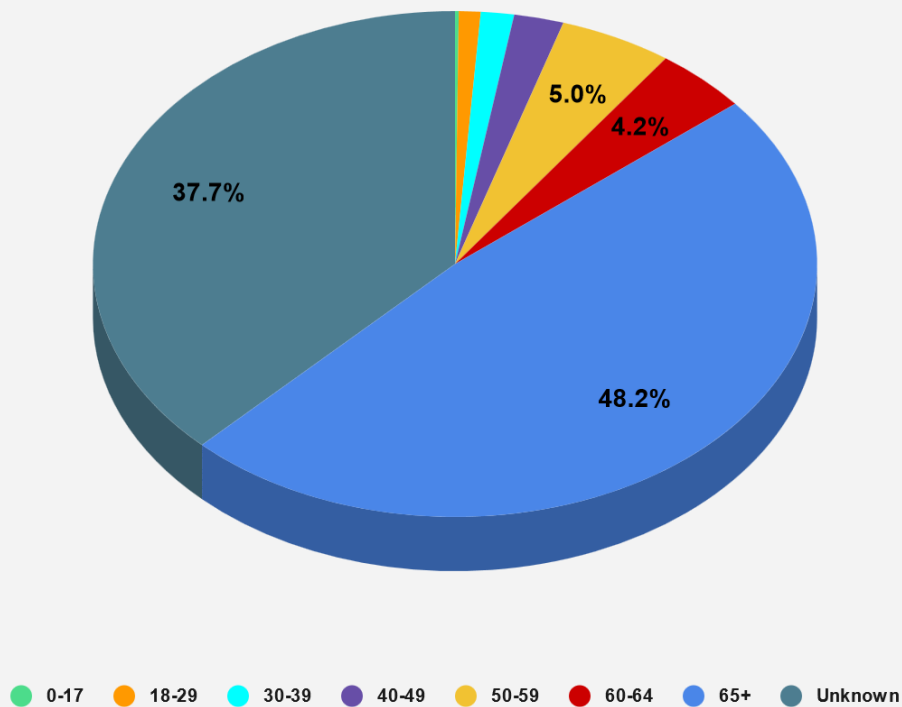
Data obtained from CDC's VAERS

■ All Other Vaccines
 ■ COVID19 Vaccines



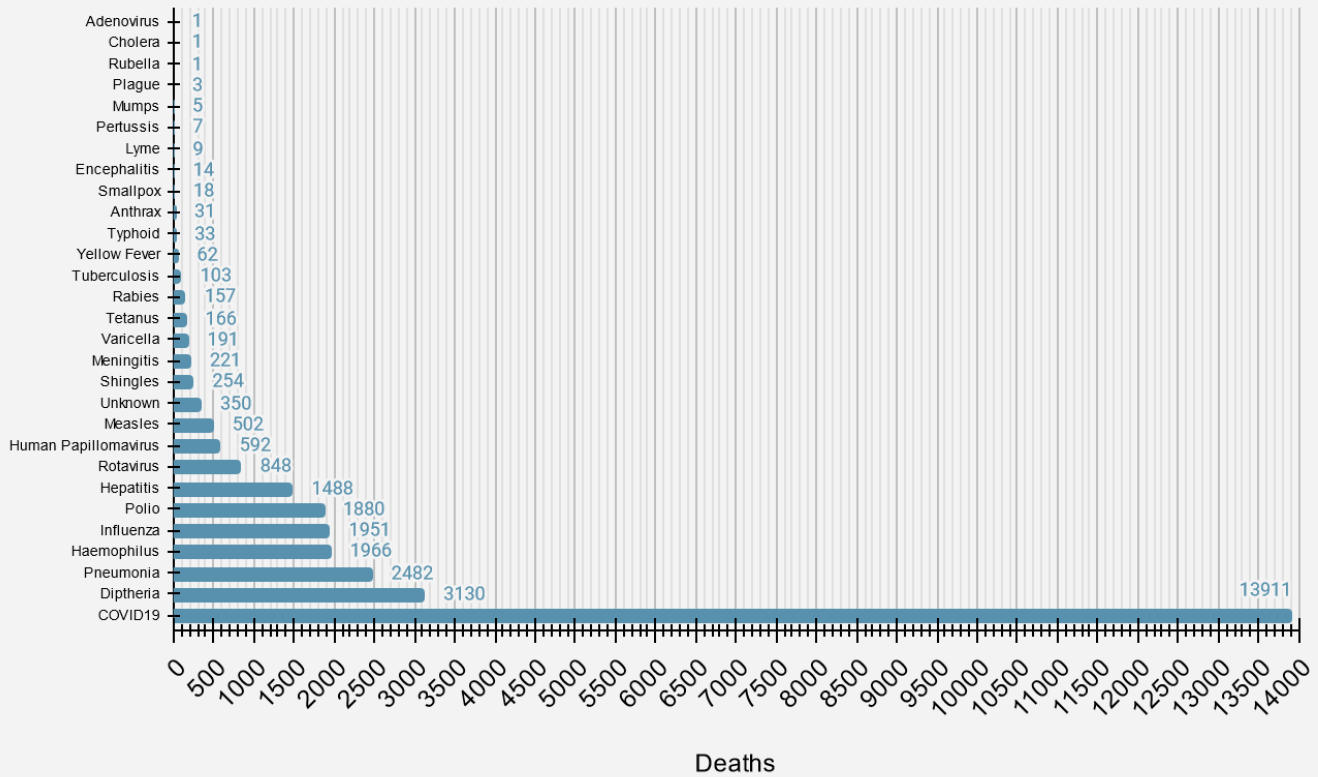
## Age Distribution of Reported Deaths After COVID19 Vaccination

Data obtained from CDC's VAERS



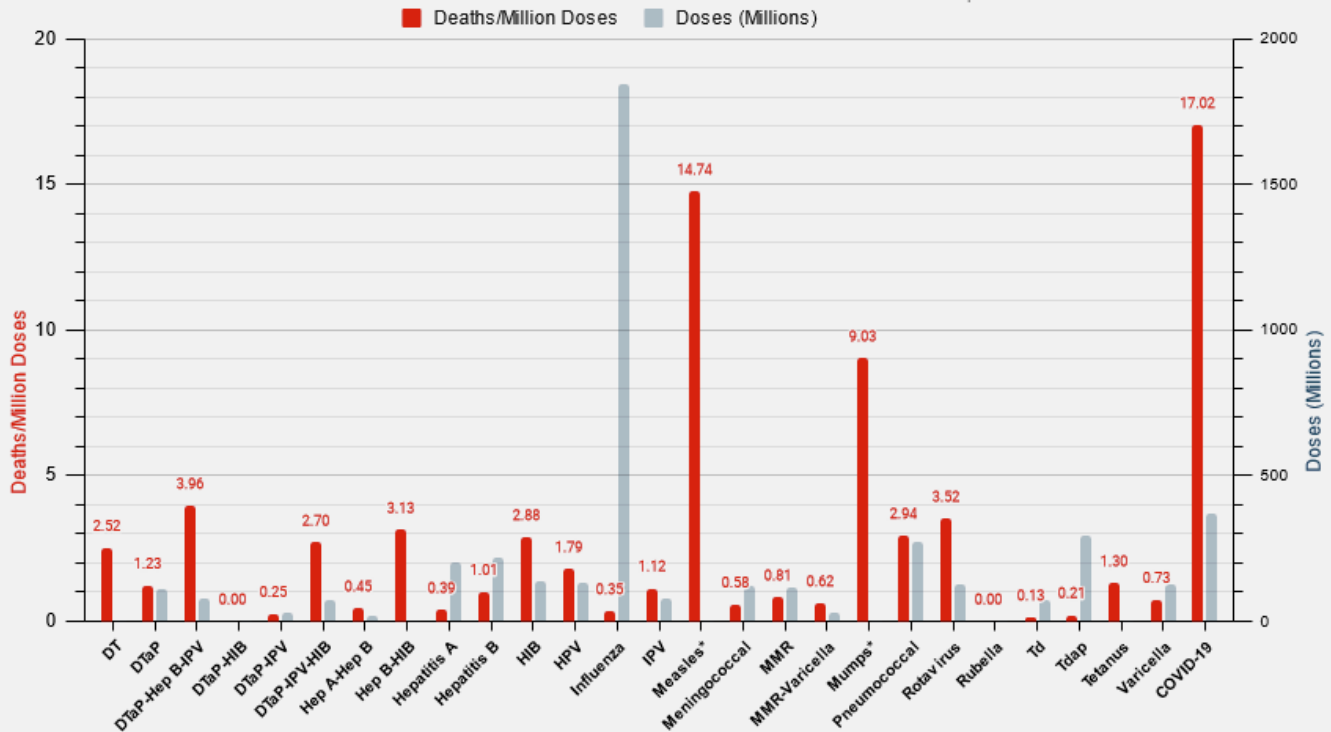
# Reported Deaths By Vaccine Type, 1990-Present

Data Obtained from CDC's VAERS



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

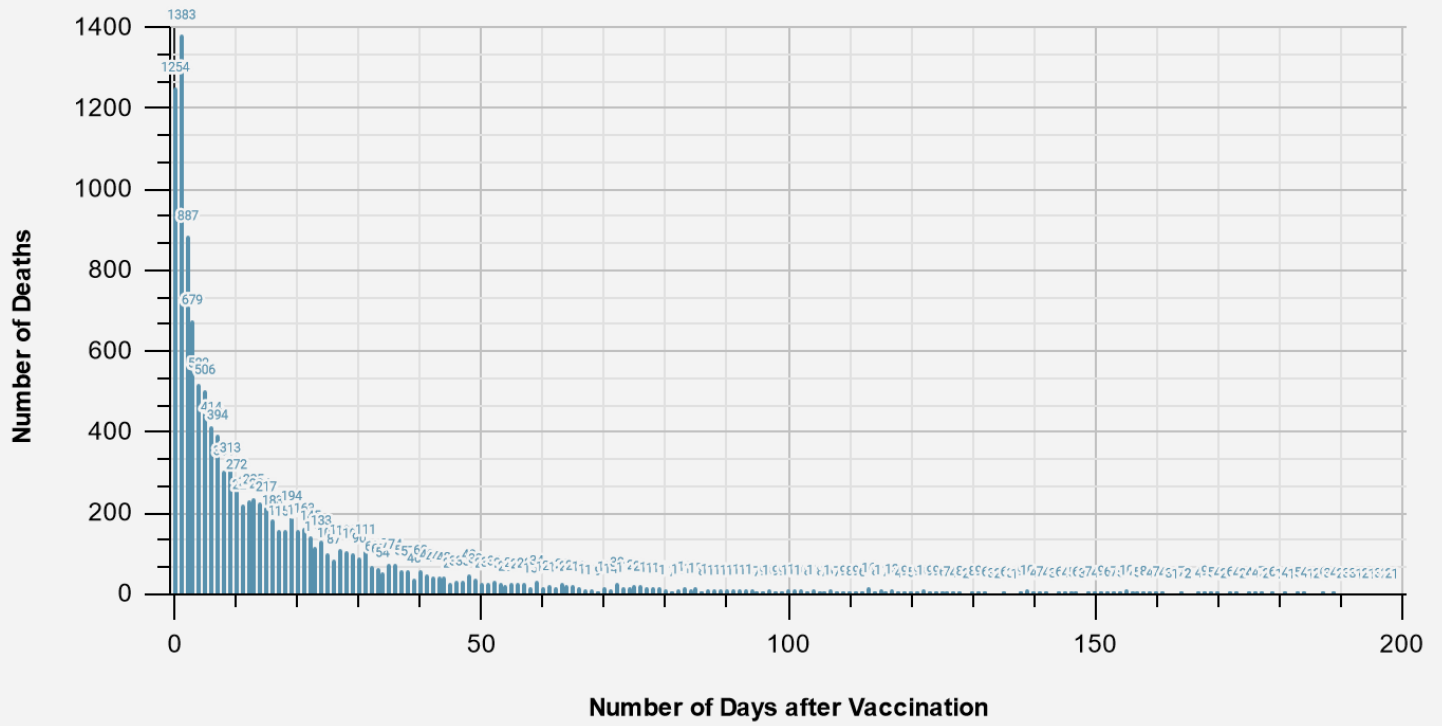
Data Obtained from CDC's VAERS and NVICP data & statistics report



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

# Number of Deaths by Days After COVID19 Vaccination

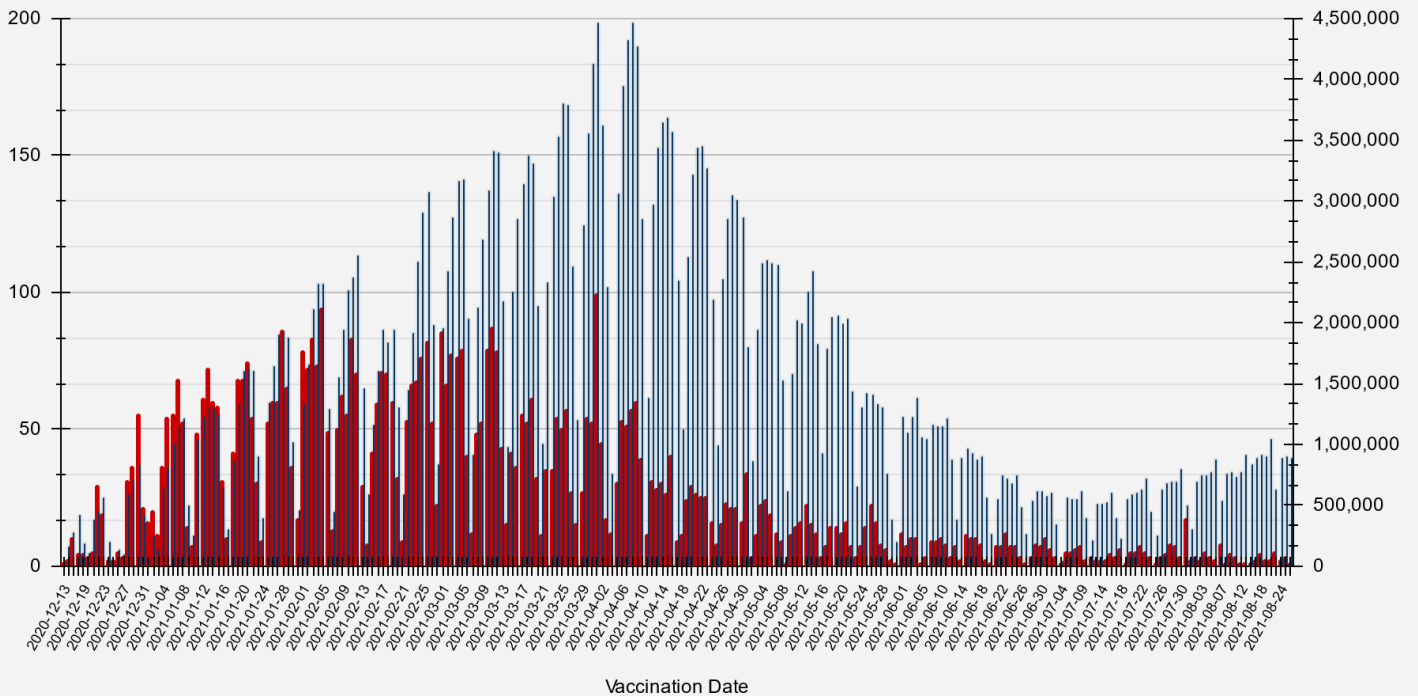
Data obtained from CDC's VAERS



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

Data Obtained from CDC's VAERS & CDC

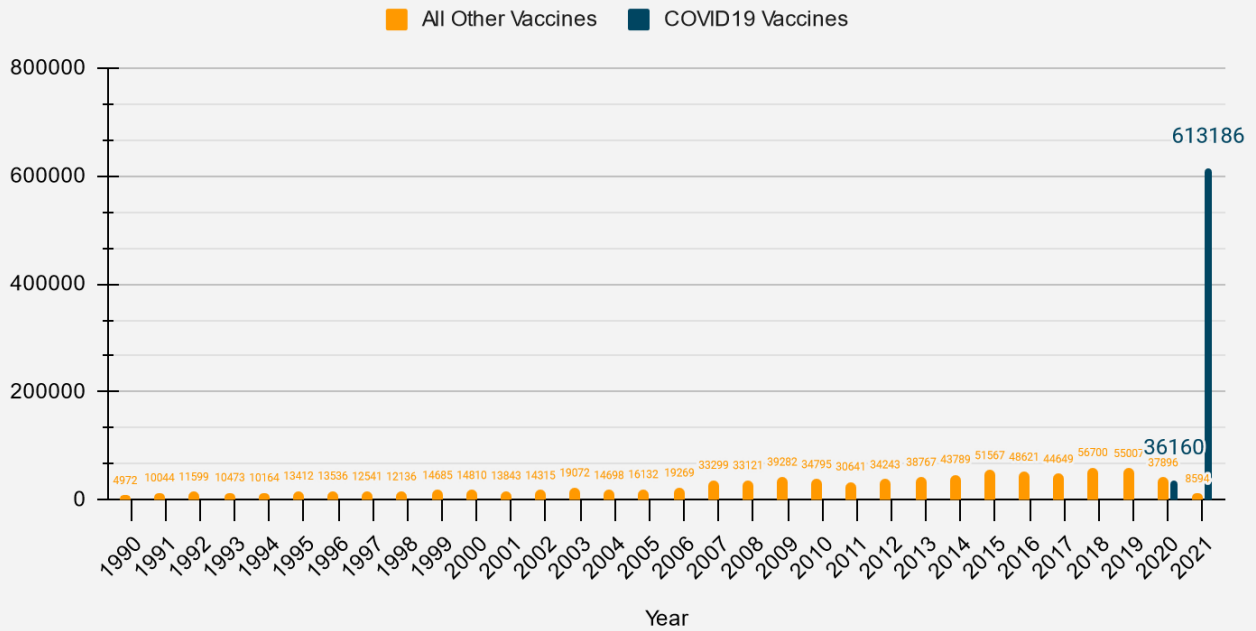
■ Number of Deaths ■ Number of Doses



# Adverse Events

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

Data obtained from CDC's VAERS

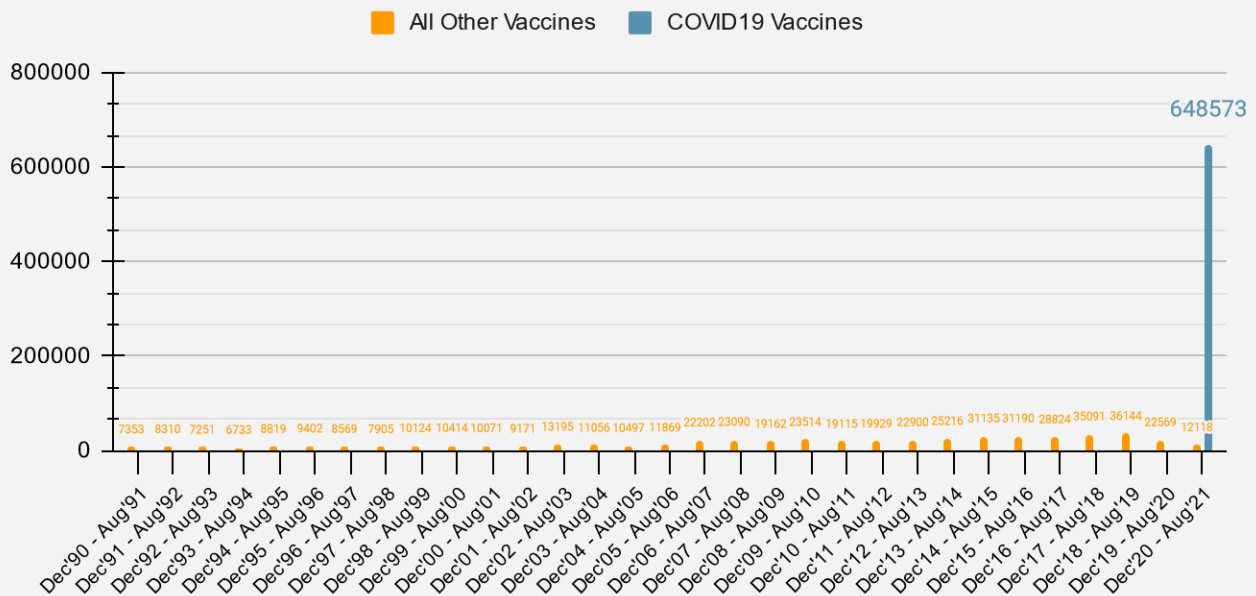


[Note that 731 records for COVID19 were scattered throughout years earlier than 2020 due to incorrect date data in the VAERS system]

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

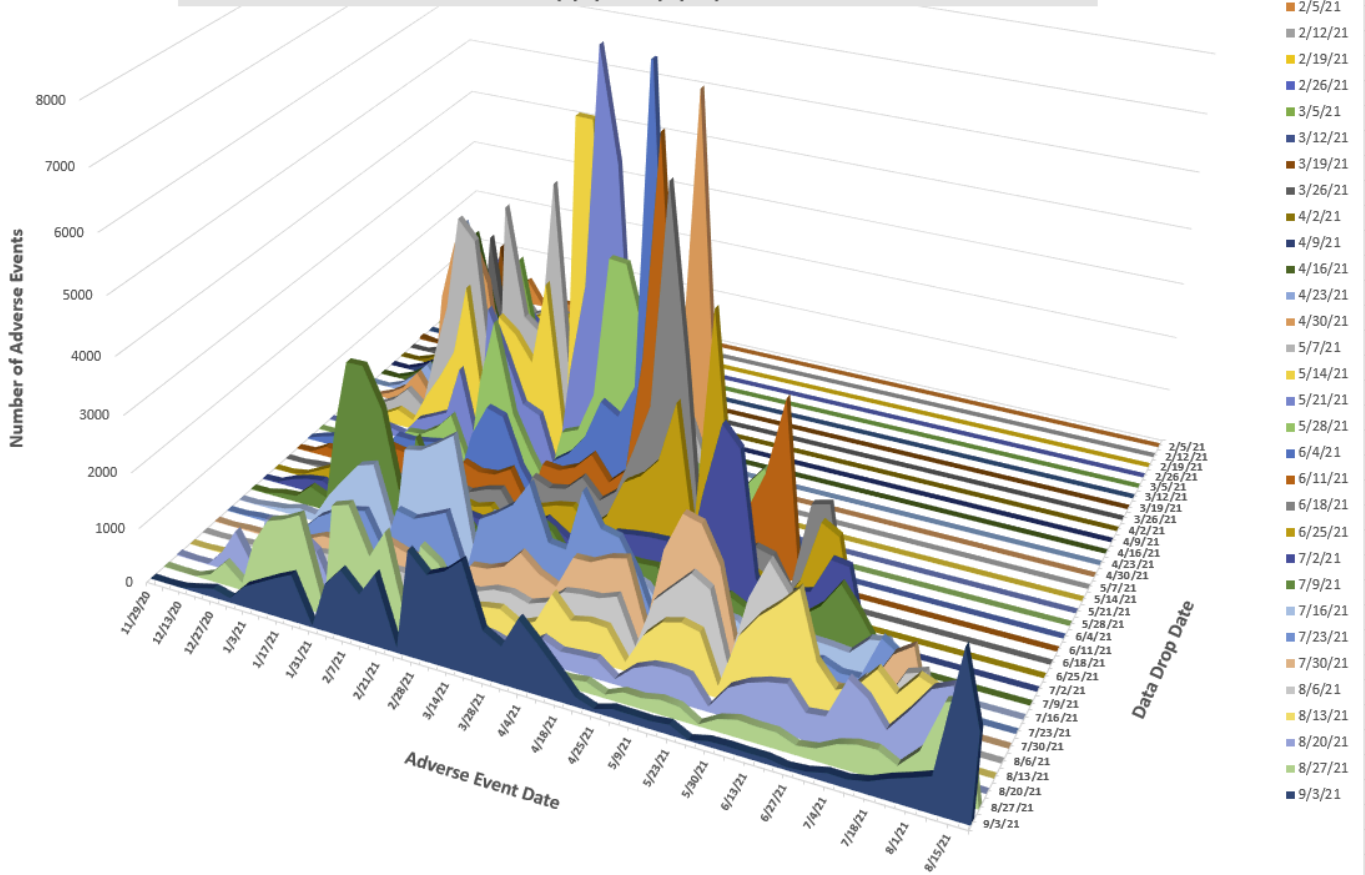
## Reported Adverse Events by Comparable Date Period, COVID19 vs. All Other Vaccines

Data Obtained from CDC's VAERS



[Note that 1504 records for COVID19 were scattered throughout periods earlier than Dec'20-Jul'21 due to incorrect date data in the VAERS system]

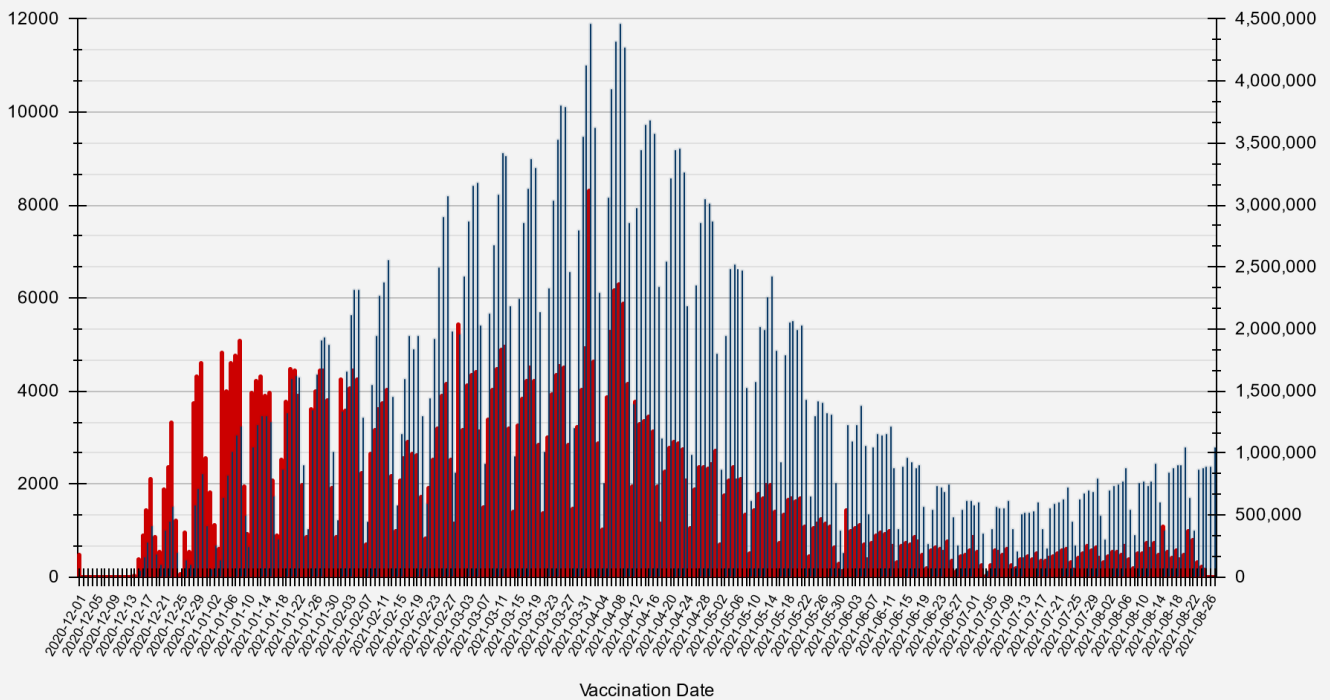
## Weekly Distribution of Newly Reported Adverse Events After COVID-19 Vaccines By Date of Data Drop (2/5/21 - 9/3/21)



## 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/ encephalopathy
- 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	937	19
Acute Disseminated Encephalomyelitis	65	2
Transverse Myelitis	202	0
Encephalitis	810	85
Convulsions/Seizures	8049	248
Stroke	7598	758
Narcolepsy, Cataplexy	139	3
Anaphylaxis	30535	129
Acute Myocardial Infarction (Heart Attack)	2055	724
Myocarditis/Pericarditis	4353	71
Autoimmune Disease	554	16
Other Acute Demyelinating Diseases	134	1
Pregnancy and birth outcomes (Miscarriages)	1586	43
Other Allergic Reactions	1165	1
Thrombocytopenia	2439	197
Disseminated Intravascular Coagulation	109	36
Venous Thromboembolism	11031	666
Arthritis and Arthralgia/Joint Pain	43036	123
Kawasaki Disease	27	1
Systemic Inflammatory Response Syndrome	341	20



## 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 <sup>[3]</sup>	# of Deaths	Risk of Death	Percentage	Deaths/Mill. Vaccinations <sup>[3]</sup>
Flu	167,447,642 <sup>[1]</sup>	31	1 in 5,401,537	0.000019%	.19
COVID19	167,733,972 <sup>[2]</sup>	5,289	1 in 31,714	0.003153%	31.53
<b>Risk of dying from COVID vaccine is 170.3 times greater than Flu Vaccine</b>					

Vaccine Type	# of Vaccinations <sup>[3]</sup>	# of Adverse Reactions	Risk of Adverse Reaction	Percentage	AEs/Mill. Vaccinations <sup>[3]</sup>
Flu	167,447,642	9,665	1 in 17,325	0.005772%	57.72
COVID19	167,733,972	465,243	1 in 361	0.2774%	2,773.70
<b>Risk of adverse reaction from COVID vaccine is 48.0 times greater than Flu Vaccine</b>					

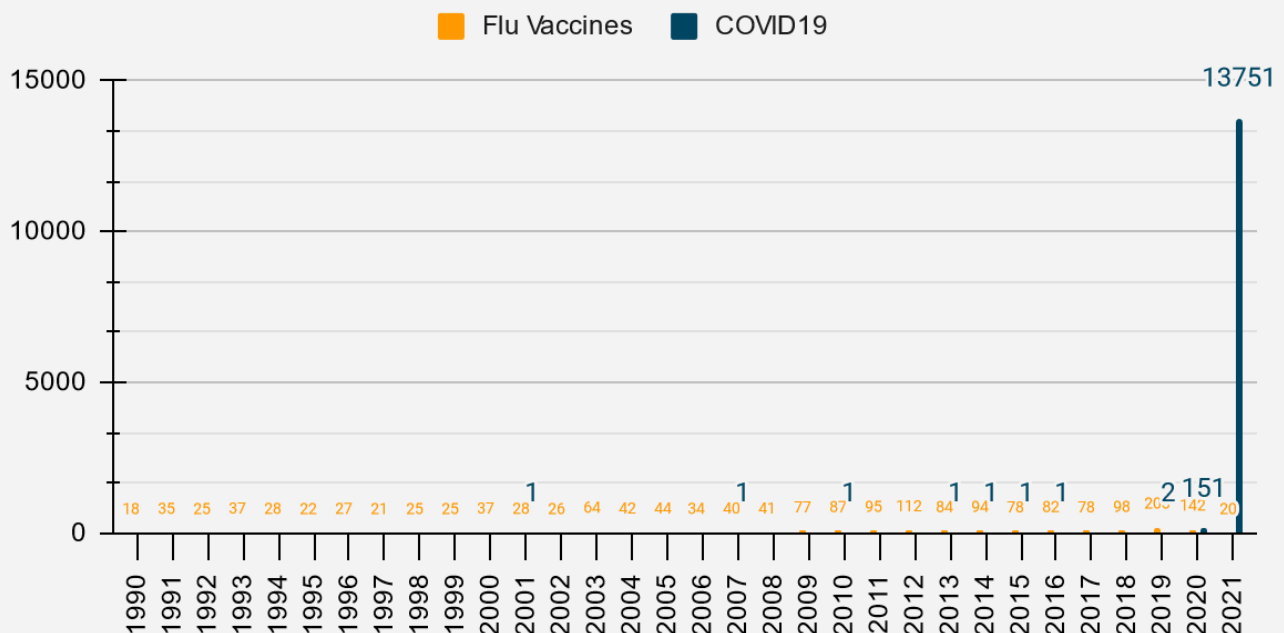
[1] number of flu vaccinations based on estimated flu vaccine coverage data from [CDC](#) and estimated population data from [US Census](#). Yearly flu vaccination data covers a period of time from 7/1 to 5/31 of the following year.

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

[3] Persons vaccinated with at least one dose.

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

Data Obtained from CDC's VAERS



## Vaccine Data by Manufacturer

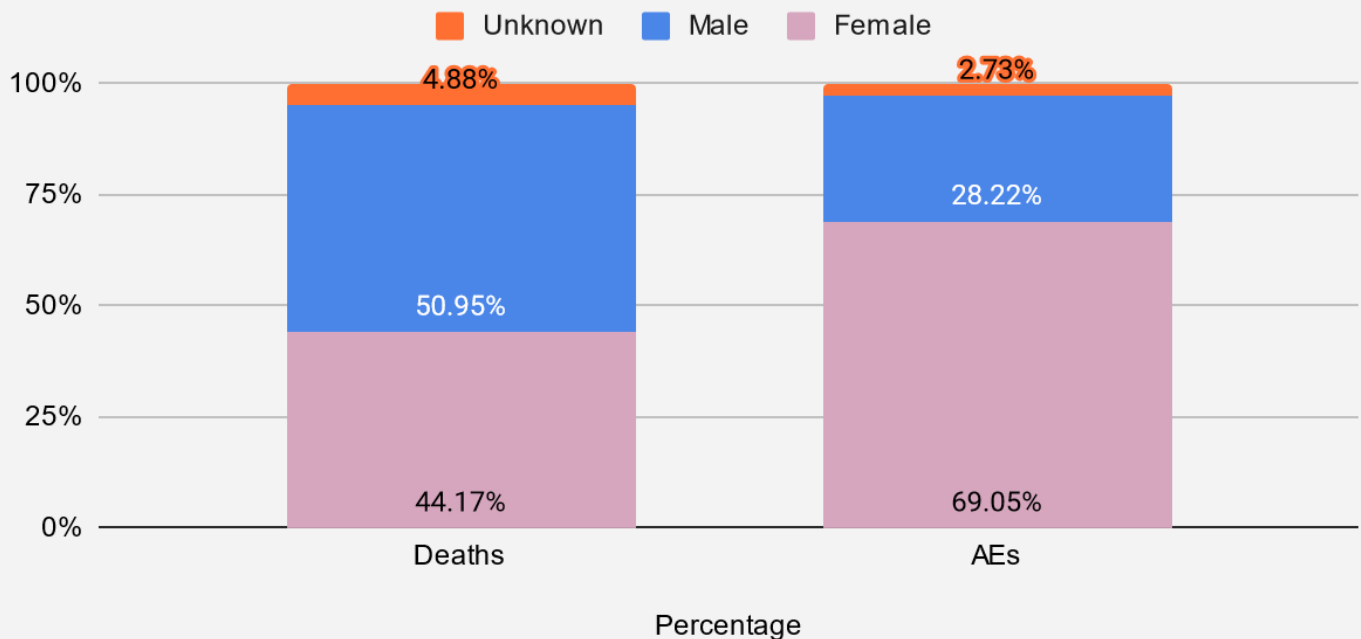
Manufacturer	# of Deaths	% Deaths	Average Deaths/Day	# US Deaths	# US Doses Administered	Average US Deaths/Mill. Doses	Days since EUA approval	EUA Approval Date
Janssen (JNJ)	826	5.93%	4.54	625	14,420,976	43.34	182	2/26/21
Moderna	3429	24.64%	13.61	2873	145,967,563	19.68	252	12/18/20
Pfizer/Biontech	9622	69.13%	37.15	2774	211,373,074	13.12	259	12/11/20
Unknown	42	0.3%		29	355,004			

Manufacturer	# of AEs	% AEs	Average AEs/Day	# US AEs	# US Doses Administered	Average US AEs/Mill. Doses	Days since EUA approval	EUA Approval Date
Janssen (JNJ)	51842	7.97%	284.85	49087	14,420,976	3403.86	182	2/26/21
Moderna	260423	40.02%	1033.42	246130	145,967,563	1686.2	252	12/18/20
Pfizer/Biontech	337089	51.81%	1301.5	218470	211,373,074	1033.58	259	12/11/20
Unknown	1316	0.2%		1094	355,004			

## Vaccine Data by Gender

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

All Data Obtained from CDC's VAERS

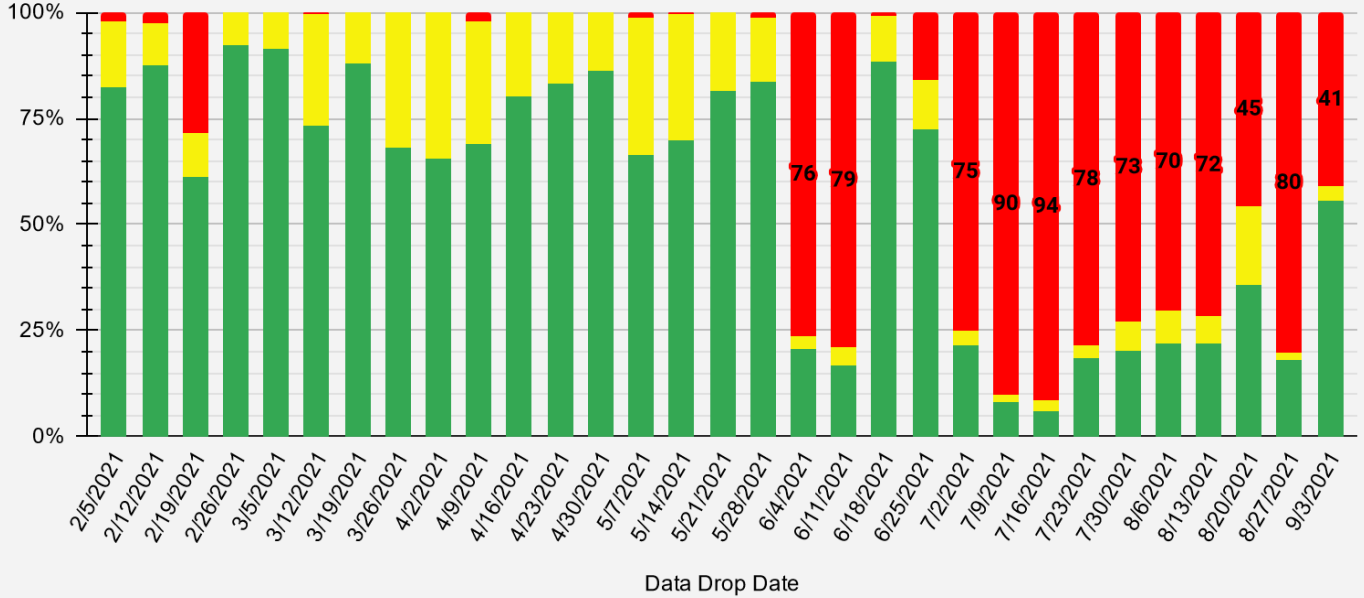


# Vaccine Data by Location

## Distribution by Location of Reported Deaths after COVID19 Vaccination

All Data Obtained from CDC's VAERS

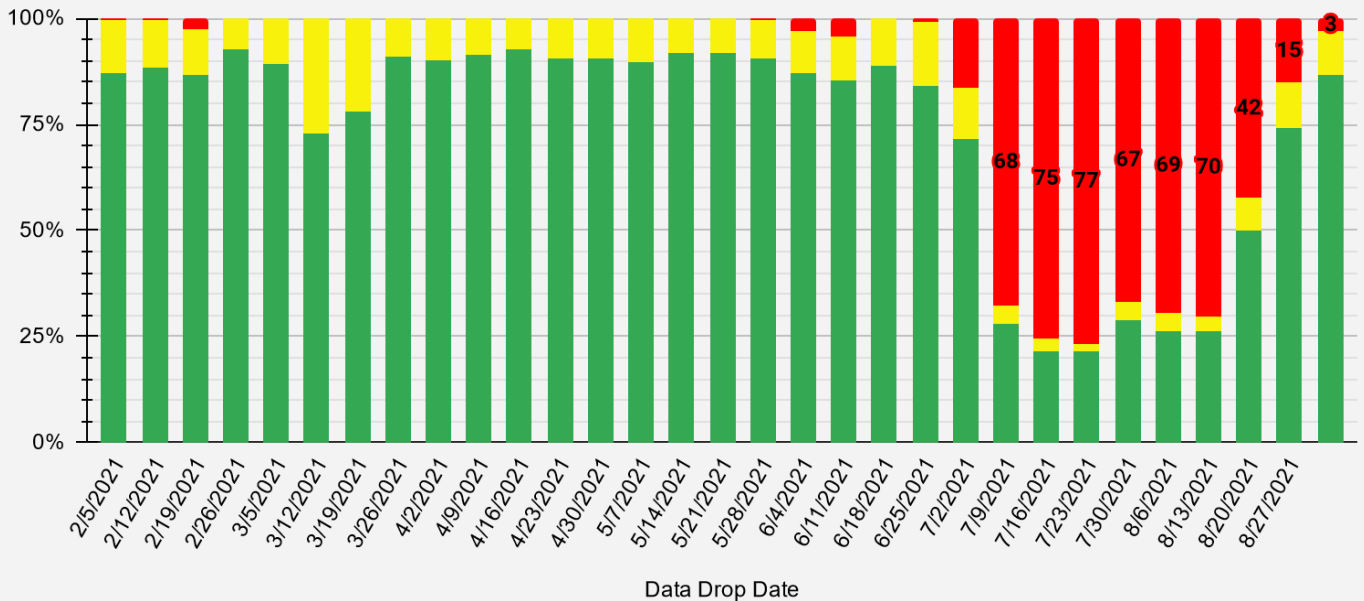
Foreign % Unknown % US %



## 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>