

VAERS Summary for COVID-19 Vaccines through 10/22/2021

All charts and tables below reflect the data release on 10/29/2021 from the VAERS website, which includes U.S. and foreign data, and is updated through: **10/22/2021**.

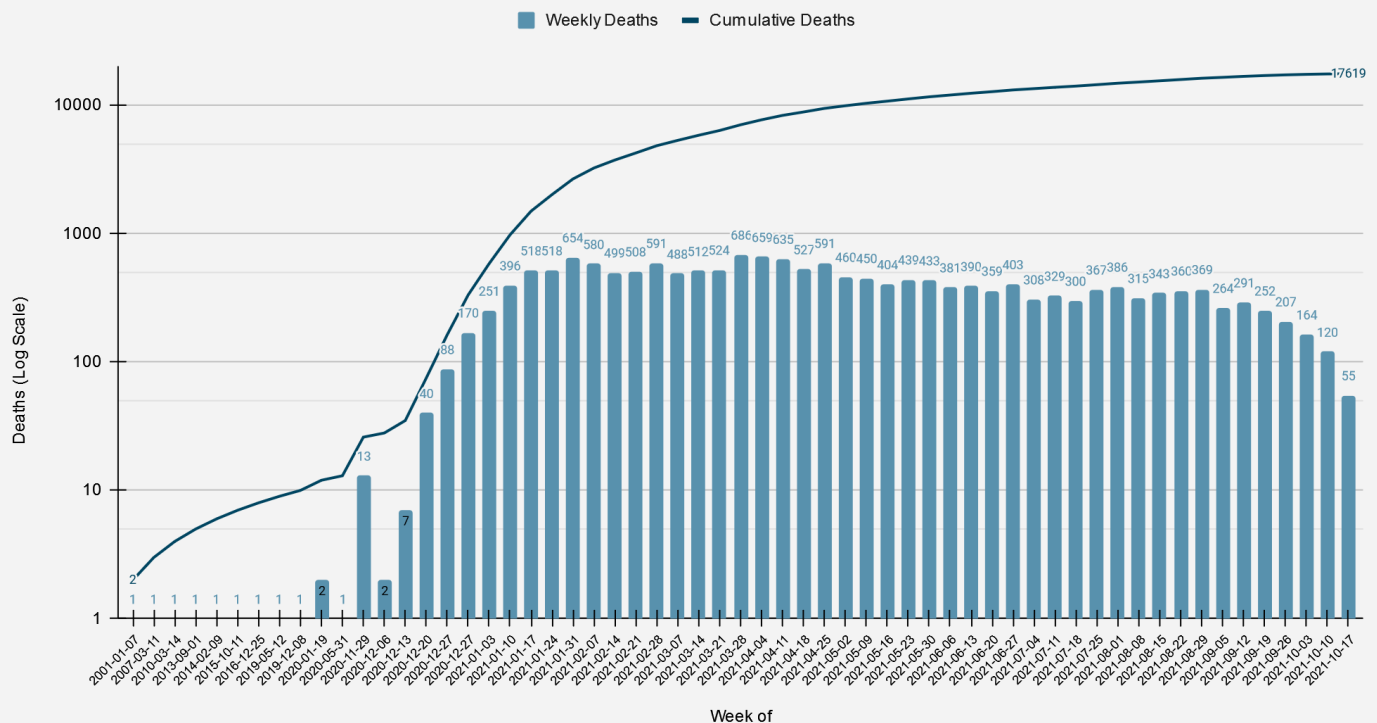
High-Level Summary	COVID19 vaccines (Dec'2020 - present)	All other vaccines 1990-present	US Data Only COVID19 vaccines (Dec'2020 - present)	US Data Only All other vaccines 1990-present
Number of Adverse Reactions	837,595	839,945	622,743	738,411
Number of Life-Threatening Events	19,583	13,705	9,555	9,780
Number of Hospitalizations	86,542	78,956	37,986	38,429
Number of Deaths	17,619*	9,196*	8,068	5,164
# of Permanent Disabilities after vaccination	27,277	19,799	9,353	12,593
Number of Office Visits	130,794	46,019	118,589	44,655
# of Emergency Room/Department Visits	94,107	210,856	78,396	201,846
# of Birth Defects after vaccination	599	149	359	95

*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

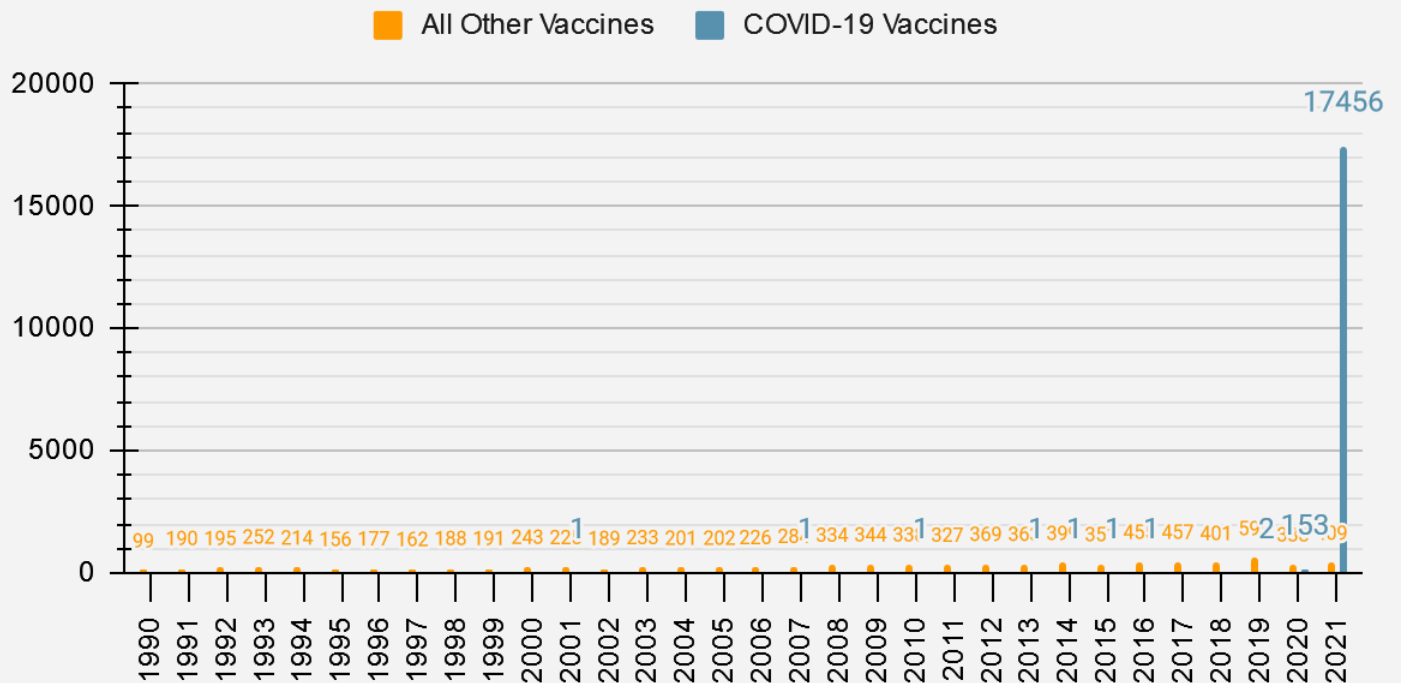
Reported Deaths by Week, COVID19 Vaccines

Data Obtained from CDC's VAERS



Reported Deaths by Year, COVID19 vs. All Other Vaccines

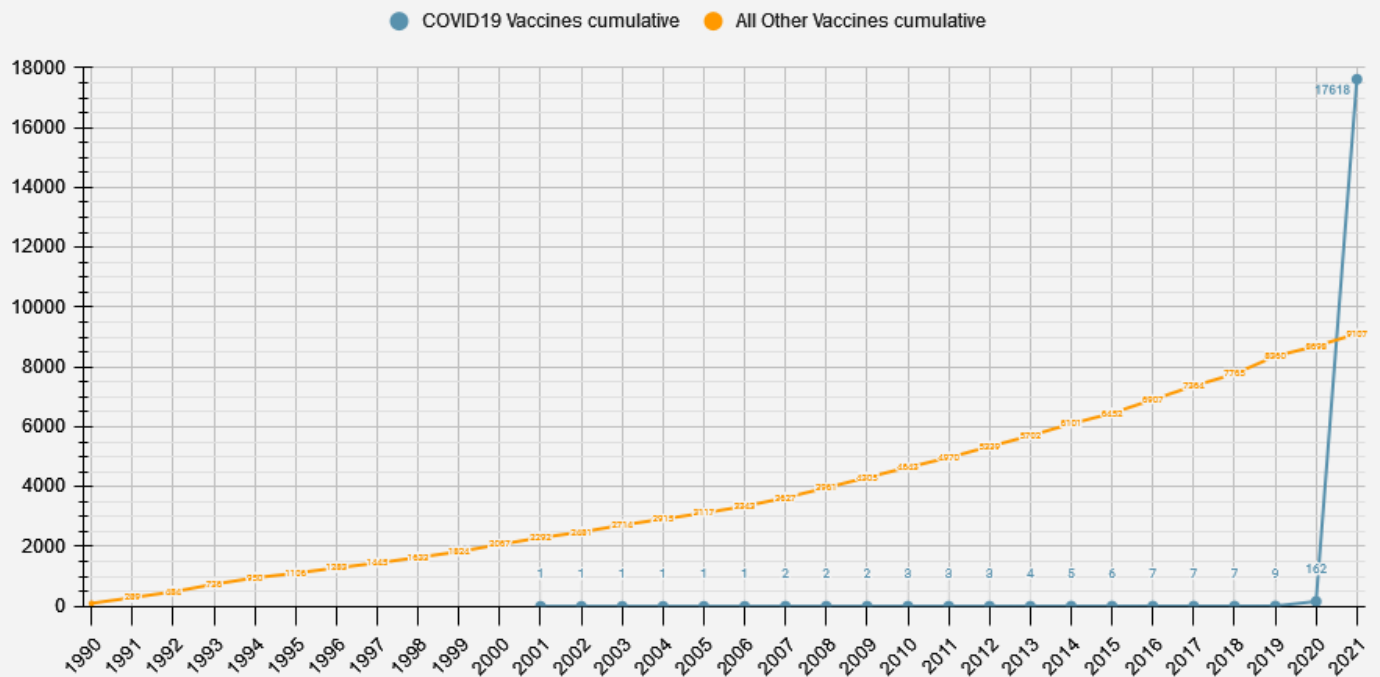
Data Obtained from CDC's VAERS



[Note that COVID19 counts for years before 2020 are due to incorrect date data in the VAERS system (including 1 not pictured due to date in 1921)]

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

Data Obtained from CDC's VAERS



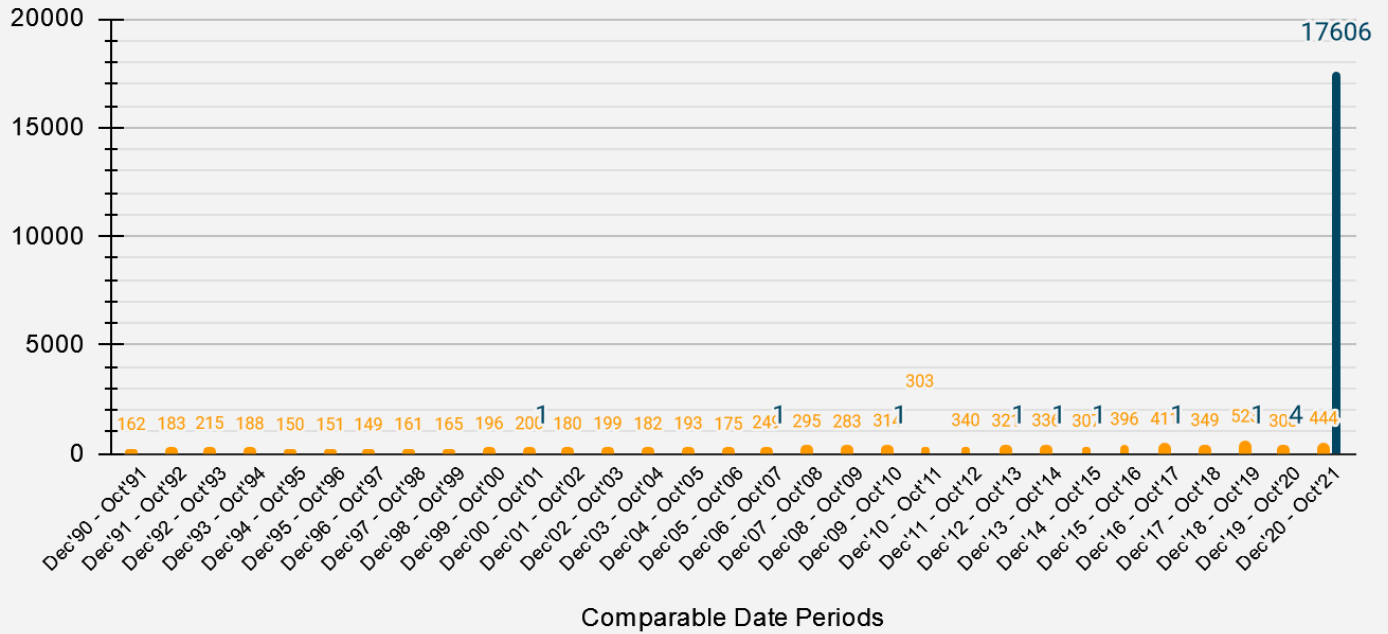
[1 COVID19 record not pictured due to incorrect date in 1921]

Chart below using comparable 10 month periods, since Covid-19 vaccines have only been available for approximately 10 months:

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

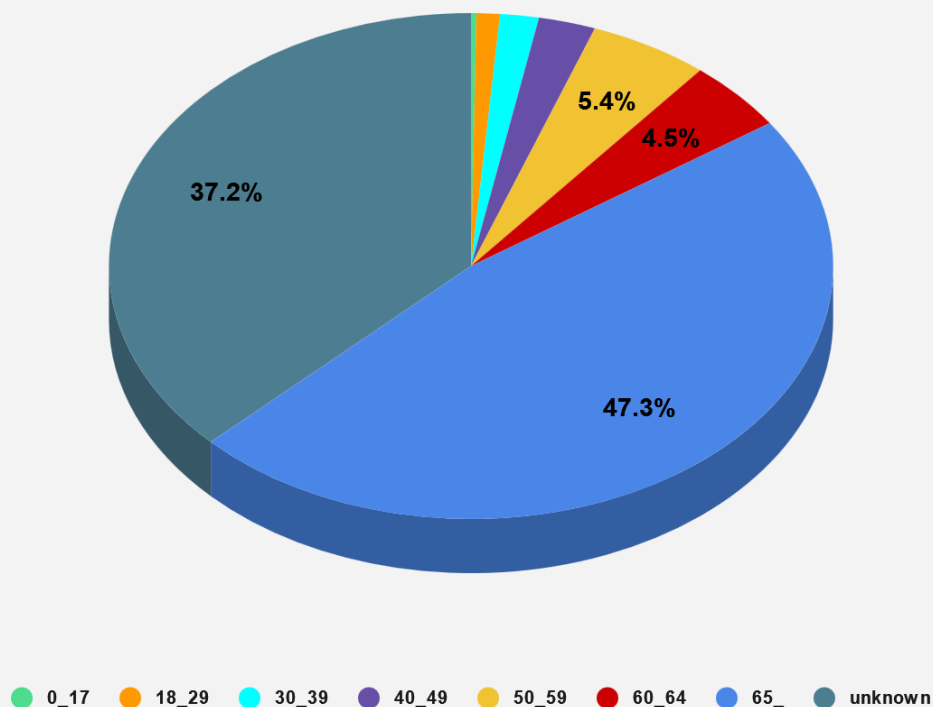
Data obtained from CDC's VAERS

All Other Vaccines COVID19 Vaccines



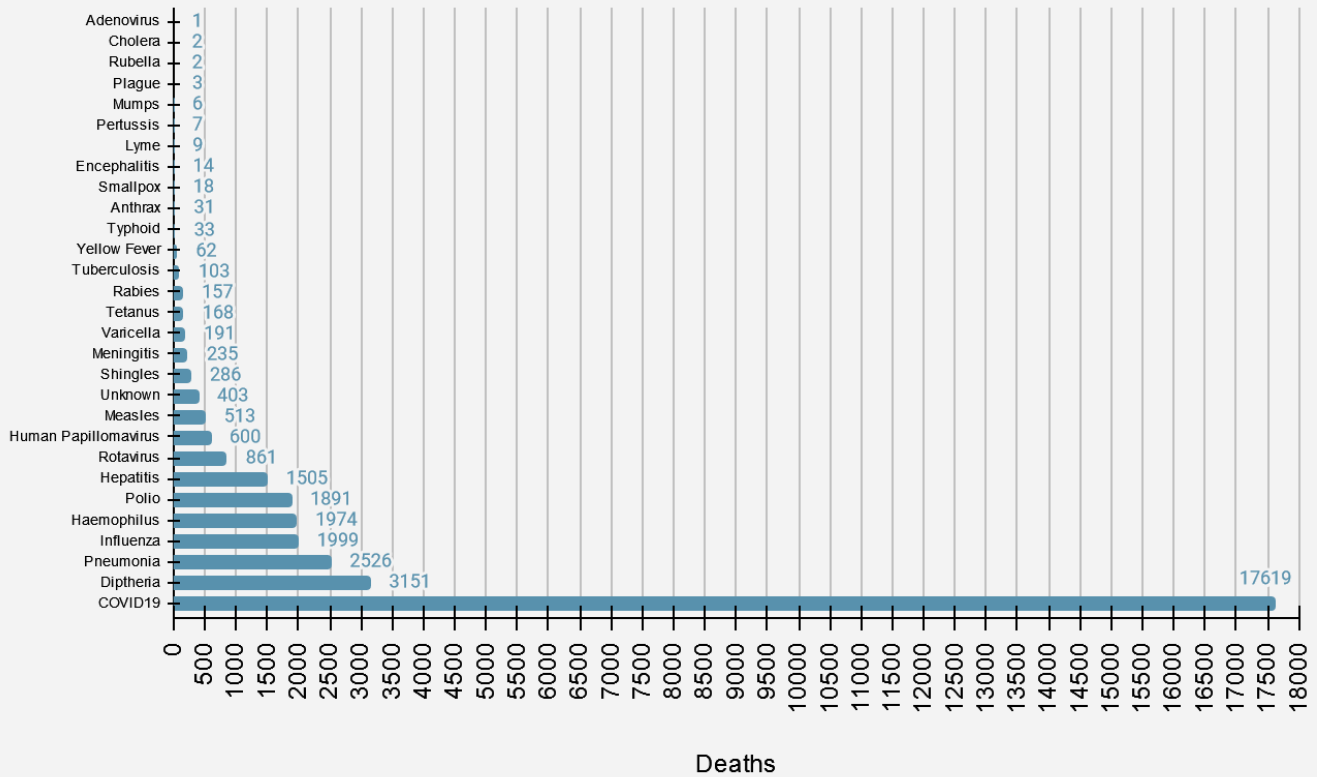
Age Distribution of Reported Deaths After COVID19 Vaccination

Data obtained from CDC's VAERS



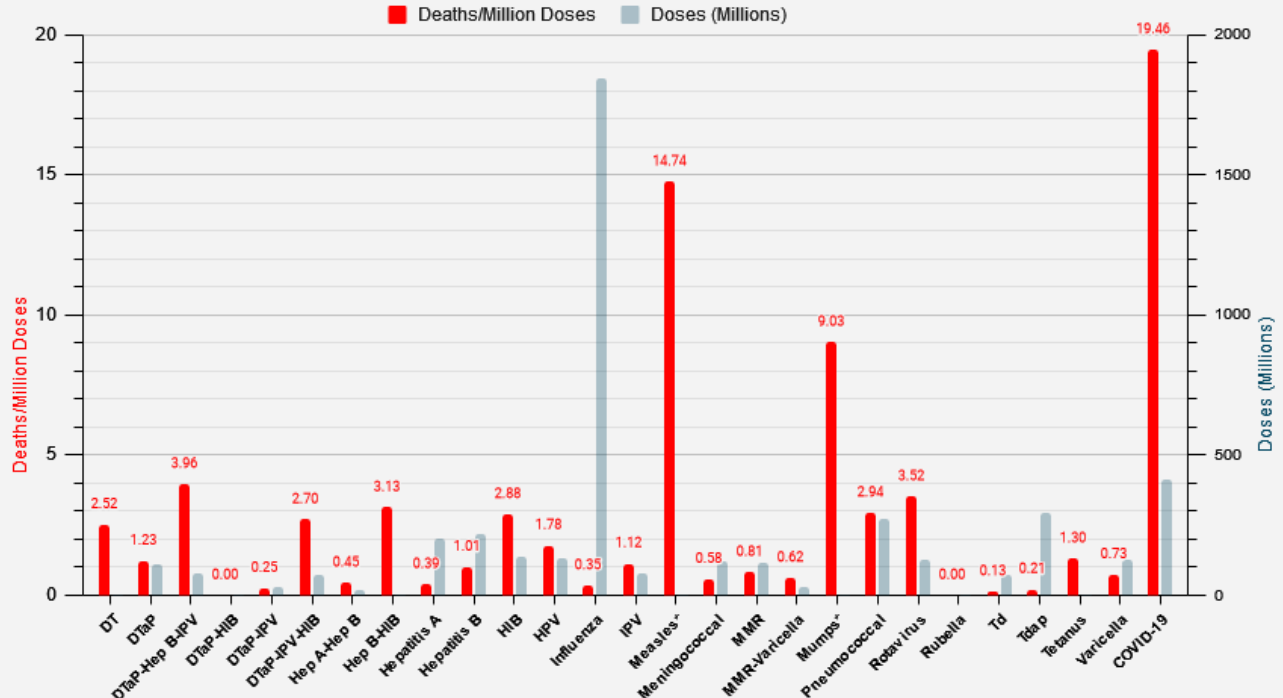
Reported Deaths By Vaccine Type, 1990-Present

Data Obtained from CDC's VAERS



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

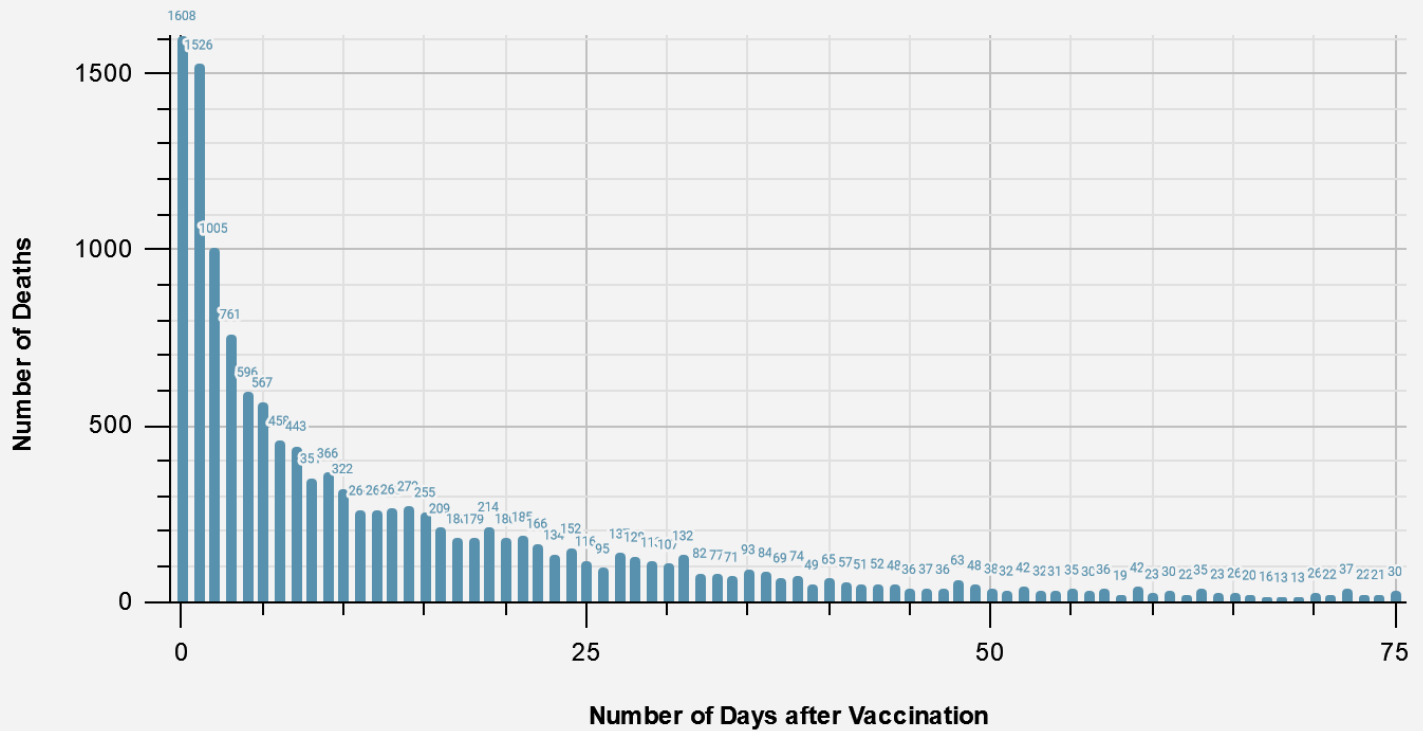
Data Obtained from CDC's VAERS and NVICP data & statistics report



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

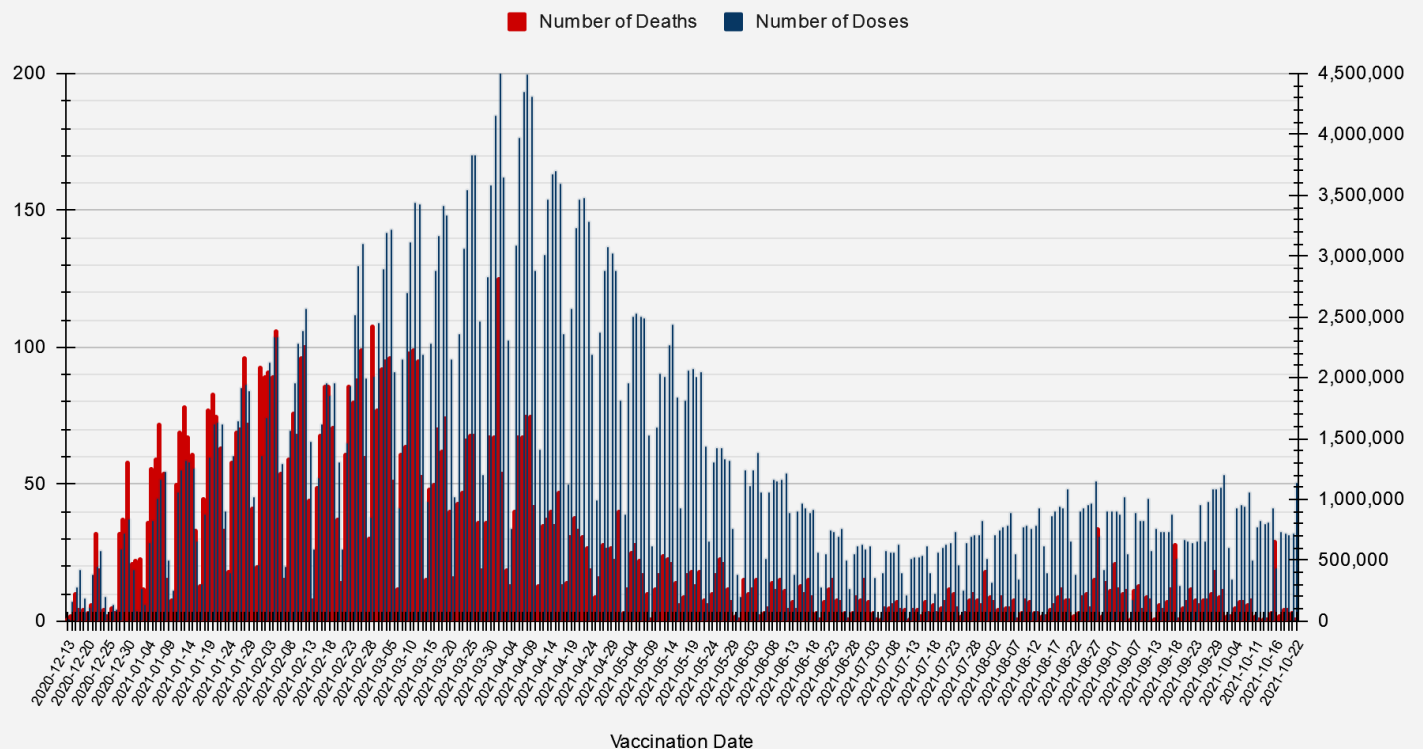
Number of Deaths by Days After COVID19 Vaccination

Data obtained from CDC's VAERS



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

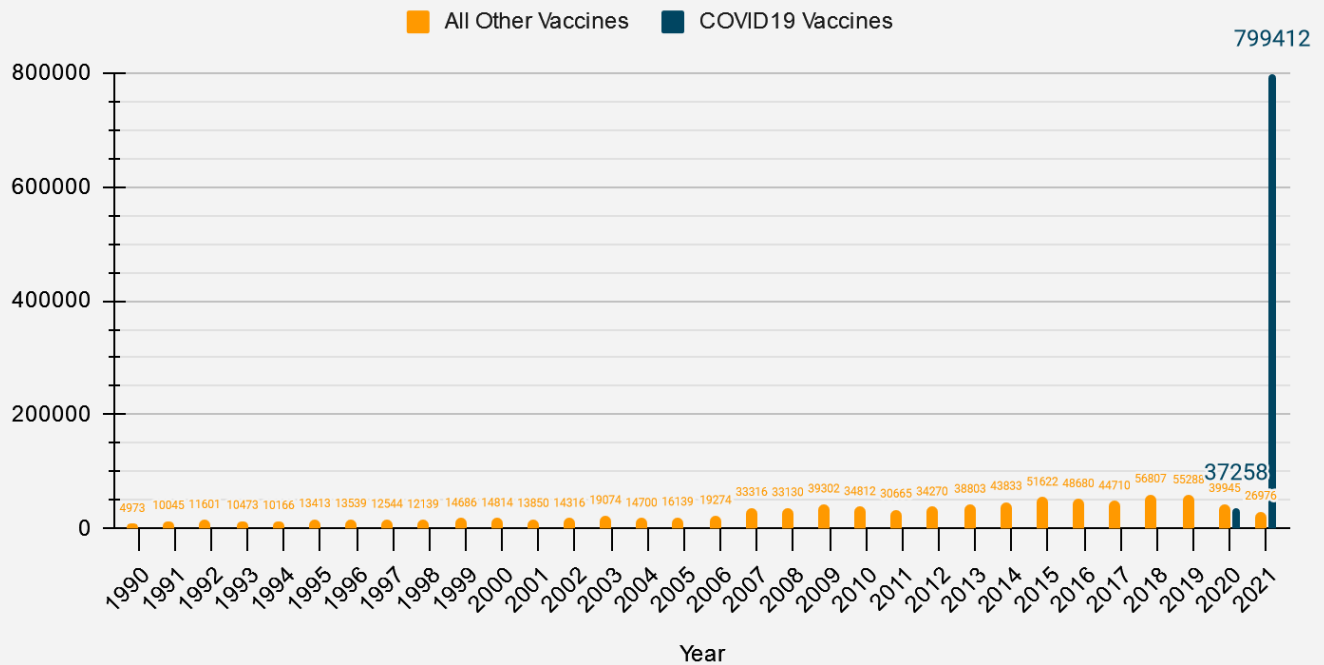
Data Obtained from CDC's VAERS & CDC



Adverse Events

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

Data obtained from CDC's VAERS

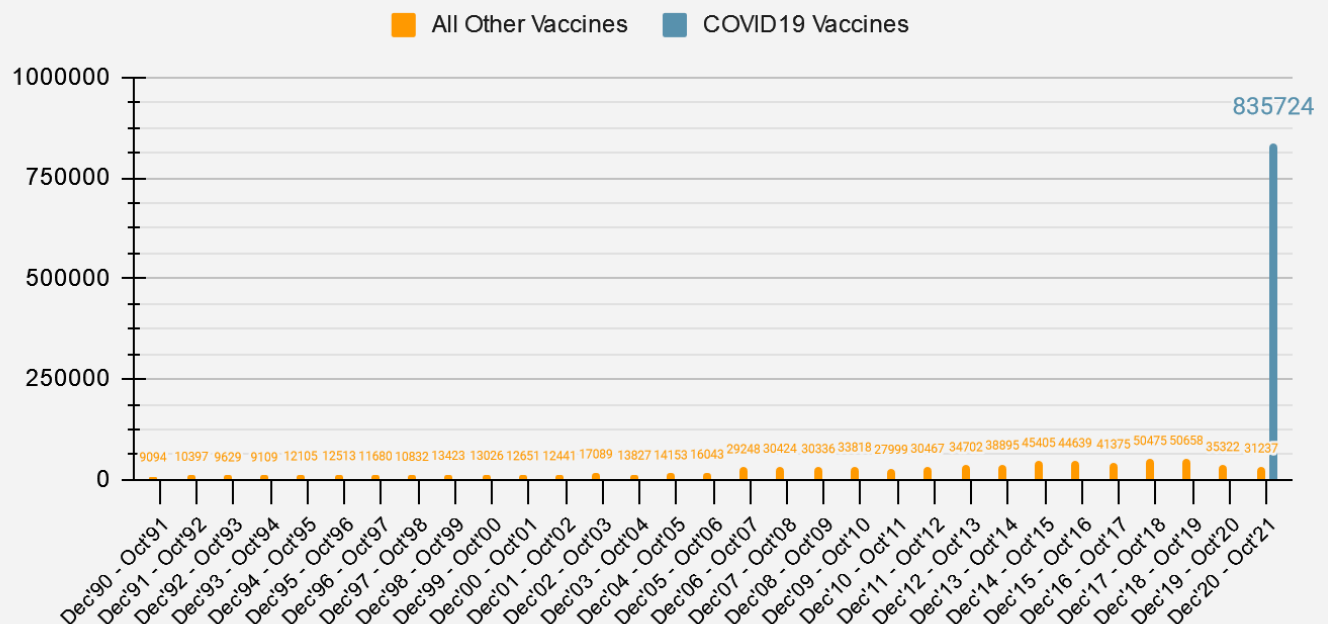


[Note that 925 records for COVID19 were scattered throughout years earlier than 2020 due to incorrect date data in the VAERS system]

Chart below using comparable 10 month periods, since Covid-19 vaccines have only been available for approximately 10 months:

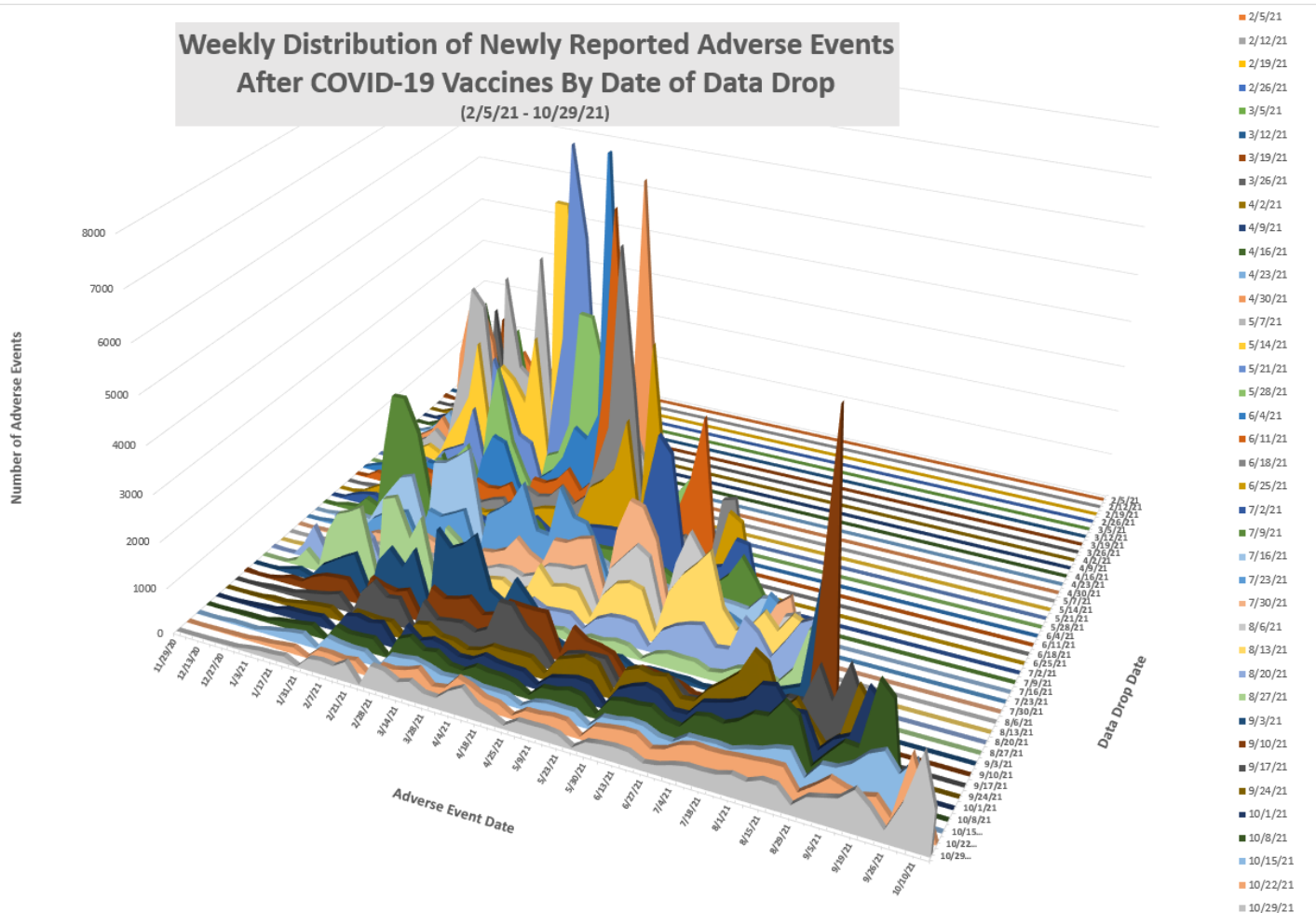
Reported Adverse Events by Comparable Date Period, COVID19 vs. All Other Vaccines

Data Obtained from CDC's VAERS



[Note that 1871 records for COVID19 were scattered throughout periods earlier than Dec'20-Oct'21 due to incorrect date data in the VAERS system]

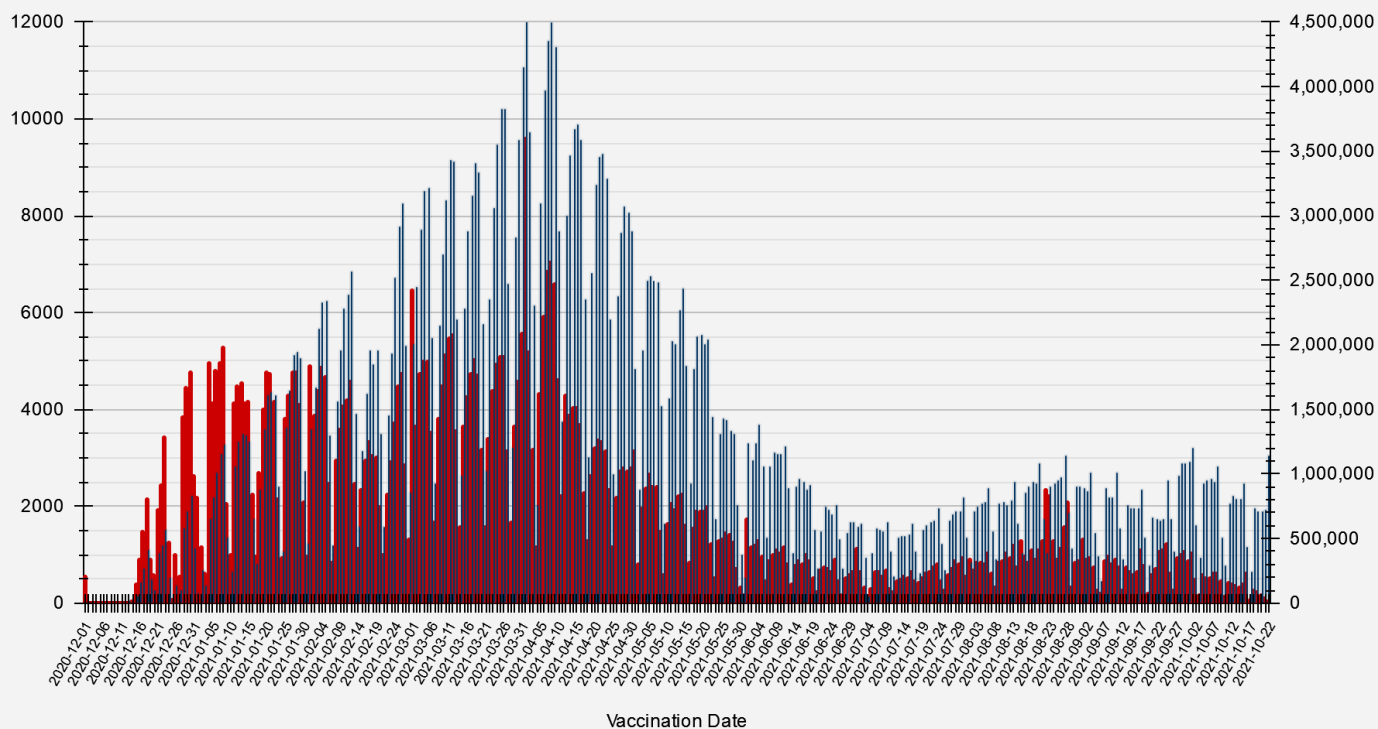
Weekly Distribution of Newly Reported Adverse Events After COVID-19 Vaccines By Date of Data Drop (2/5/21 - 10/29/21)



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	1537	27
Acute Disseminated Encephalomyelitis	108	3
Transverse Myelitis	280	1
Encephalitis	1271	119
Convulsions/Seizures	10618	312
Stroke	9952	926
Narcolepsy, Cataplexy	200	4
Anaphylaxis	37281	144
Acute Myocardial Infarction (Heart Attack)	2840	899
Myocarditis/Pericarditis	9487	116
Autoimmune Disease	856	18
Other Acute Demyelinating Diseases	204	2
Pregnancy and birth outcomes (Miscarriages)	2526	73
Other Allergic Reactions	1601	3
Thrombocytopenia	3456	260
Disseminated Intravascular Coagulation	151	45
Venous Thromboembolism	15287	854
Arthritis and Arthralgia/Joint Pain	55097	169
Kawasaki Disease	32	1
Systemic Inflammatory Response Syndrome	473	35

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 ^[3]	# of Deaths	Risk of Death	Percentage	Deaths/Mill. Vaccinations ^[3]
Flu	167,447,642 ^[1]	32	1 in 5,232,739	0.000019%	.19
COVID19	167,733,972 ^[2]	5,493	1 in 30,536	0.003275%	32.75
Risk of dying from COVID vaccine is 171.4 times greater than Flu Vaccine					

Vaccine Type	# of Vaccinations ^[3]	# of Adverse Reactions	Risk of Adverse Reaction	Percentage	AEs/Mill. Vaccinations ^[3]
Flu	167,447,642	9,703	1 in 17,257	0.005795%	57.95
COVID19	167,733,972	515,051	1 in 326	0.3071%	3,071
Risk of adverse reaction from COVID vaccine is 53 times greater than Flu Vaccine					

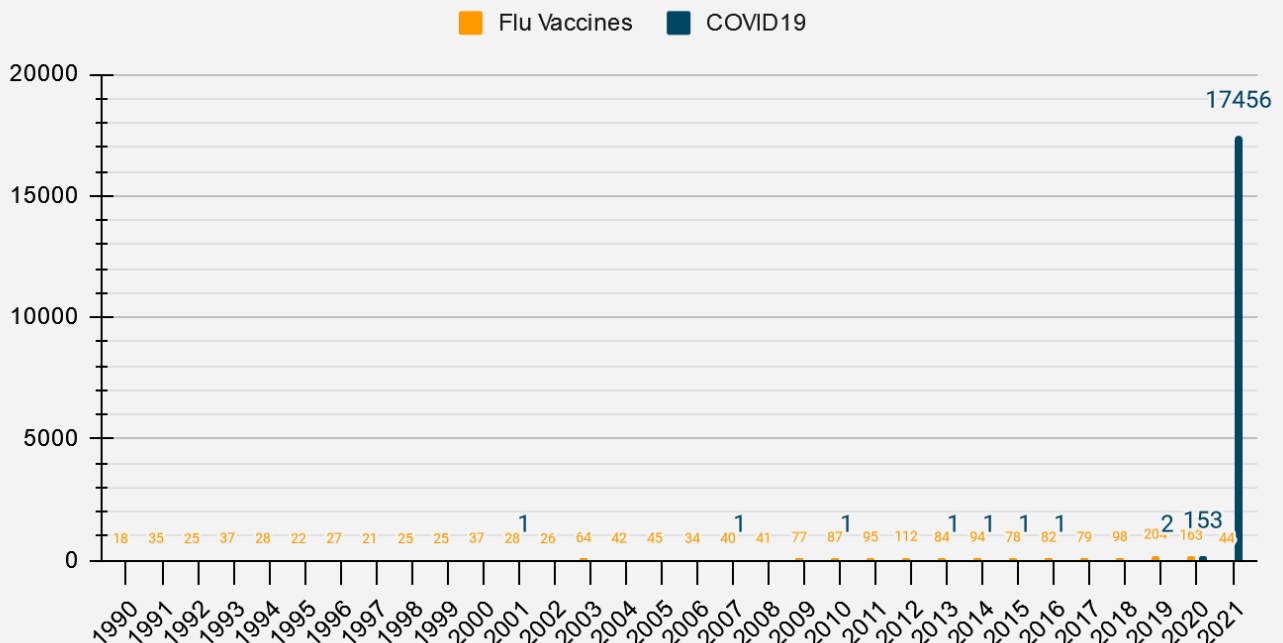
[1] number of flu vaccinations based on estimated flu vaccine coverage data from [CDC](#) and estimated population data from [US Census](#). Yearly flu vaccination data covers a period of time from 7/1 to 5/31 of the following year.

[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

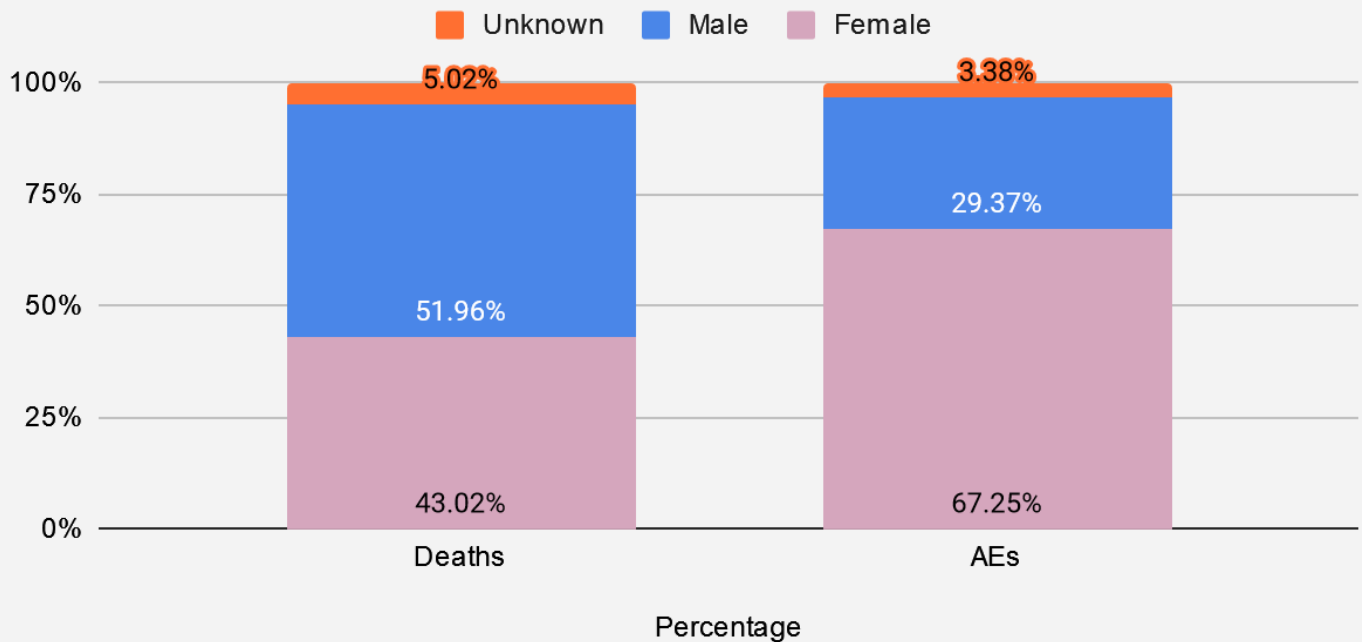
Manufacturer	# of Deaths	% Deaths	Average Deaths/Day	# US Deaths	# US Doses Administered	Average US Deaths/Mill. Doses	Days since EUA approval	EUA Approval Date
Janssen (JNJ)	1338	7.59%	5.62	892	15,521,154	57.47	238	2/26/21
Moderna	4331	24.57%	14.06	3464	156,602,727	22.12	308	12/18/20
Pfizer/Biontech	11898	67.49%	37.77	3682	245,237,611	15.01	315	12/11/20
Unknown	62	0.35%		37	434,045			

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)	64401	7.68%	270.59	56886	15,521,154	3665.06	238	2/26/21
Moderna	318067	37.92%	1032.69	290391	156,602,727	1854.32	308	12/18/20
Pfizer/Biontech	454565	54.19%	1443.06	275103	245,237,611	1121.78	315	12/11/20
Unknown	1776	0.21%		1413	434,045			

Vaccine Data by Gender

Gender Distribution of Reported Deaths and AEs after COVID19 Vaccination

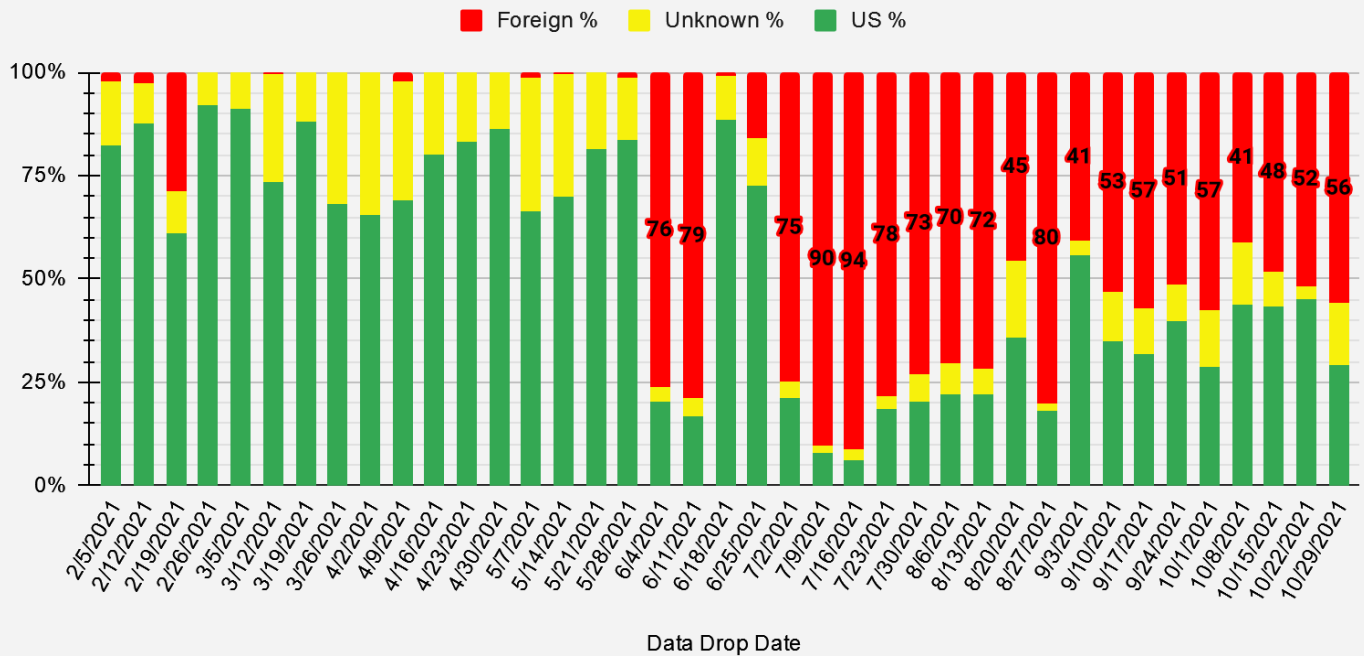
All Data Obtained from CDC's VAERS



Vaccine Data by Location

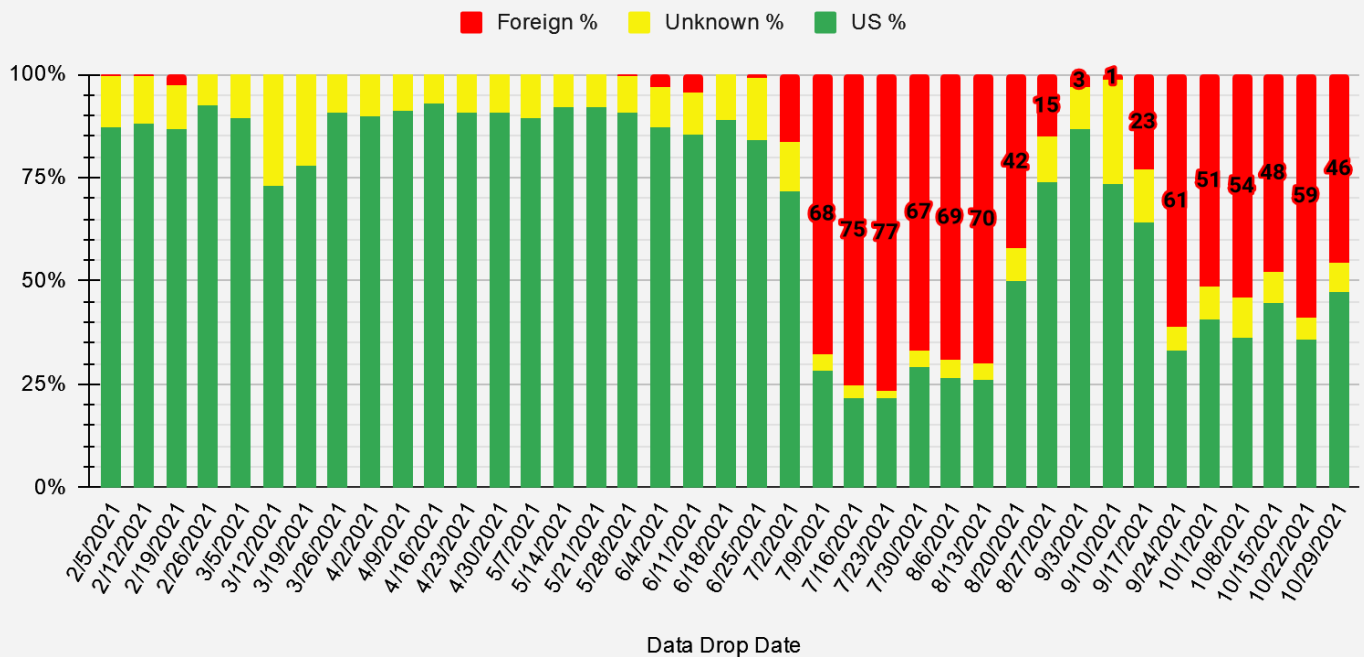
Distribution by Location of Reported Deaths after COVID19 Vaccination

All Data Obtained from CDC's VAERS



Distribution by Location of Reported Adverse Events after COVID19 Vaccination

All Data Obtained from CDC's VAERS



Sources

Visit: 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
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/covaxview/coverage-1920estimates.htm>