

VAERS Summary for COVID-19 Vaccines through 9/10/2021

All charts and tables below reflect the data release on 9/17/2021 from the VAERS website, which includes U.S. and foreign data, and is updated through: **9/10/2021**.

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	701,561	820,671	559,462	719,973
Number of Life-Threatening Events	15,012	13,587	8,447	9,702
Number of Hospitalizations	60,741	78,377	31,486	38,128
Number of Deaths	14,925*	9,001*	6,756	5,112
# of Permanent Disabilities after vaccination	19,210	19,577	7,863	12,422
Number of Office Visits	110,838	42,969	103,894	41,674
# of Emergency Room/Department Visits	80,337	209,634	70,087	200,690
# of Birth Defects after vaccination	430	139	298	89

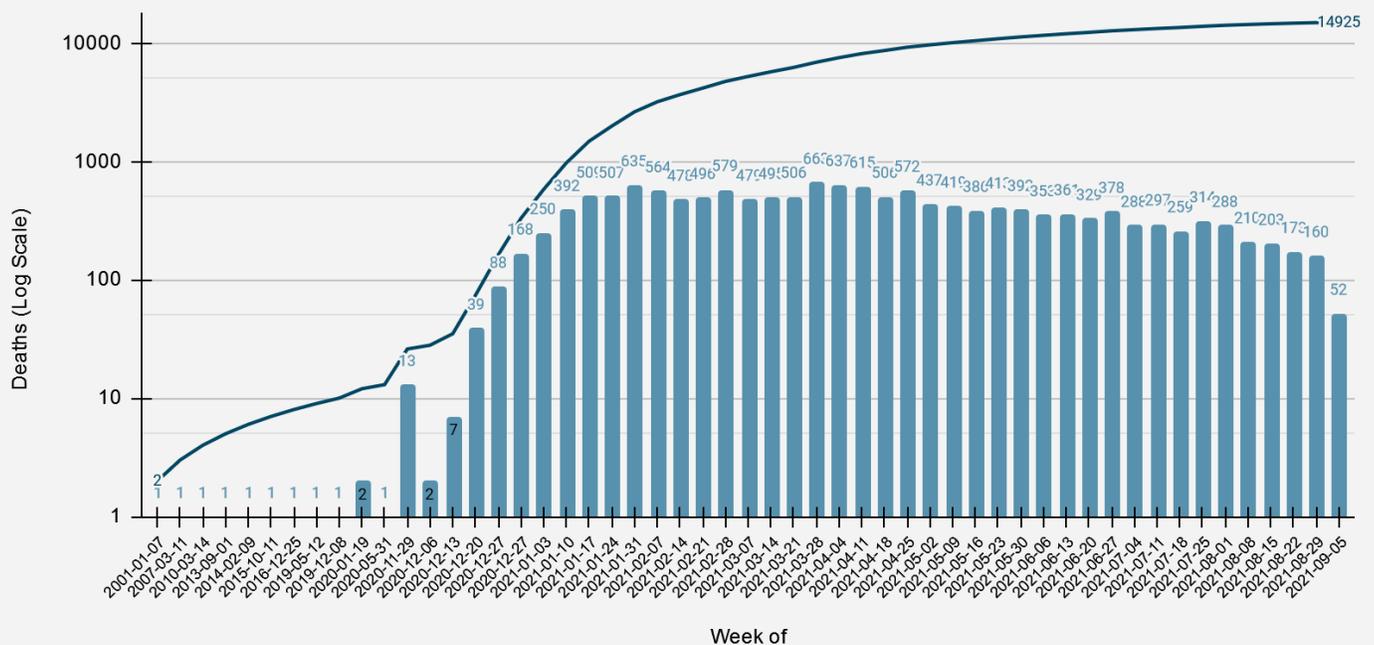
*Note that the total number of deaths associated with the COVID-19 vaccines is greater than the number of deaths associated with all other vaccines combined since the year 1990.

Deaths

Reported Deaths by Week, COVID19 Vaccines

Data Obtained from CDC's VAERS

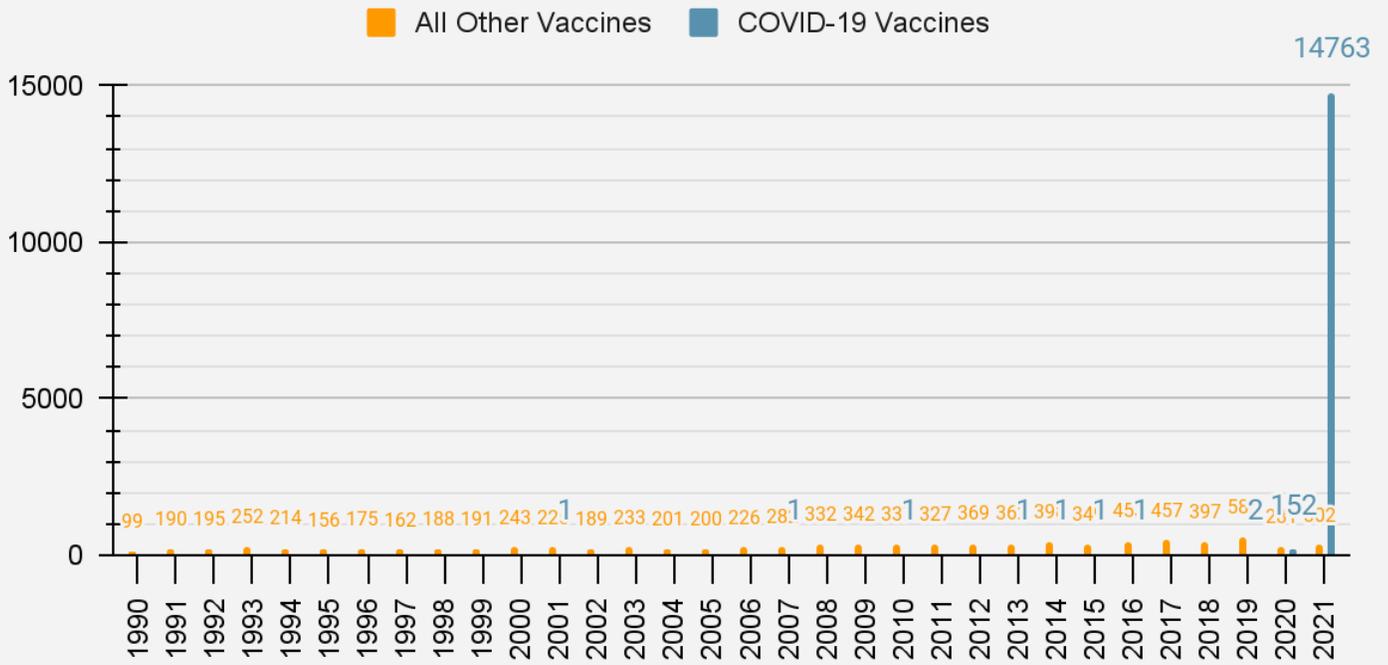
■ Weekly Deaths — Cumulative Deaths



[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

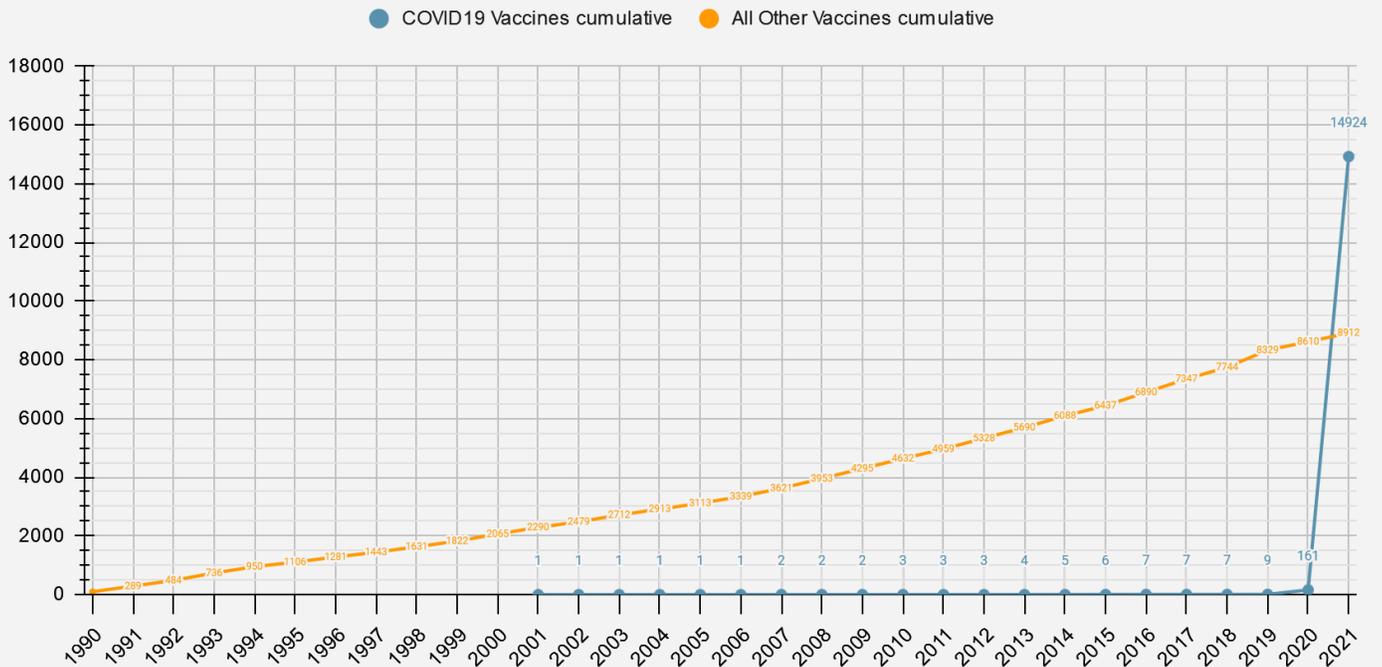
Data Obtained from CDC's VAERS



[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



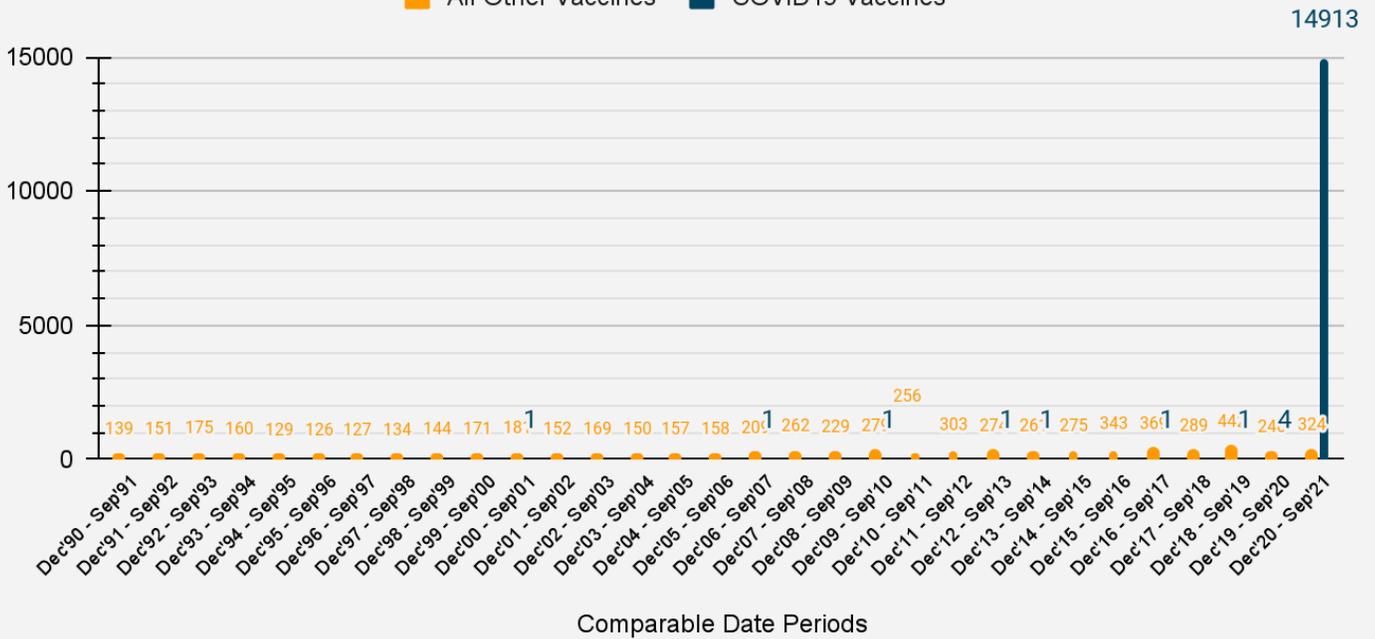
[1 COVID19 record not pictured due to incorrect date in 1921]

Chart below using comparable 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

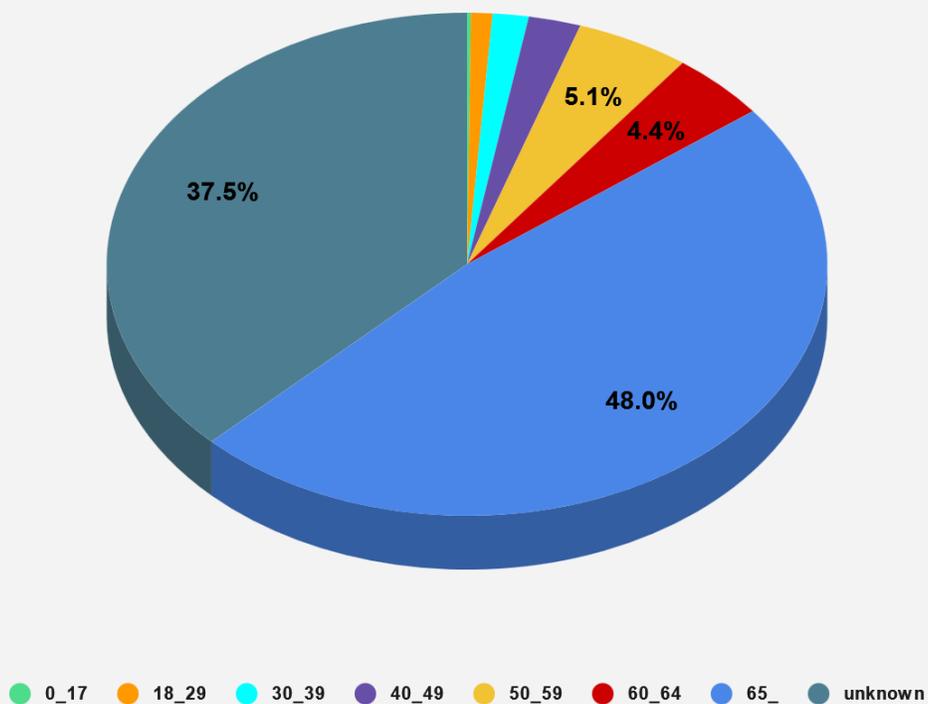
Data obtained from CDC's VAERS

■ All Other Vaccines
 ■ COVID19 Vaccines



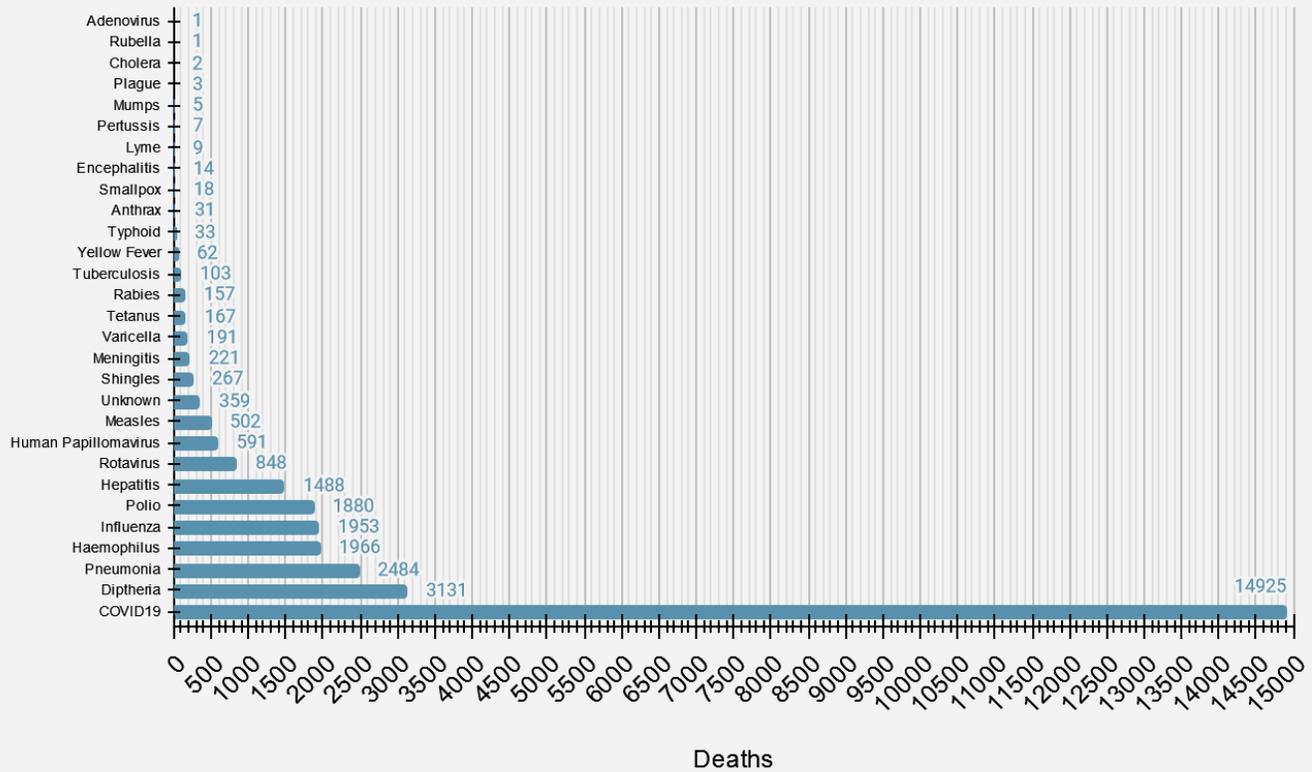
Age Distribution of Reported Deaths After COVID19 Vaccination

Data obtained from CDC's VAERS



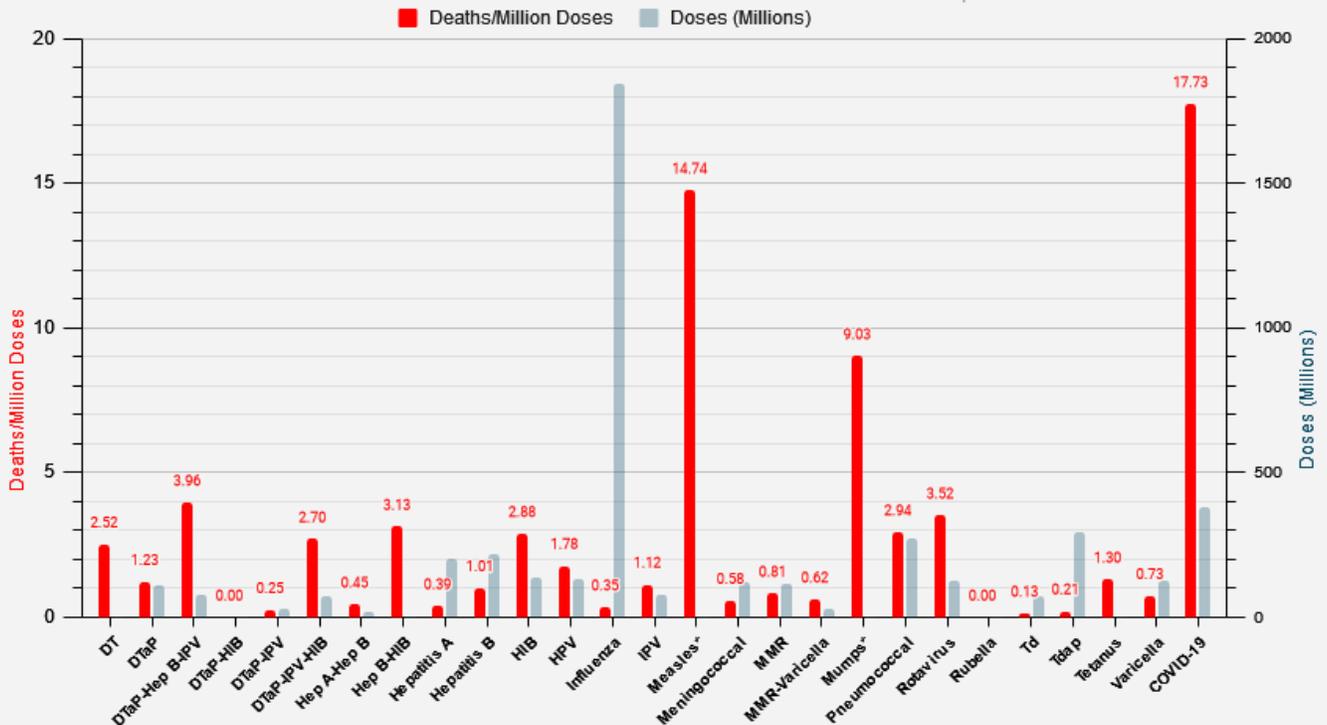
Reported Deaths By Vaccine Type, 1990-Present

Data Obtained from CDC's VAERS



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

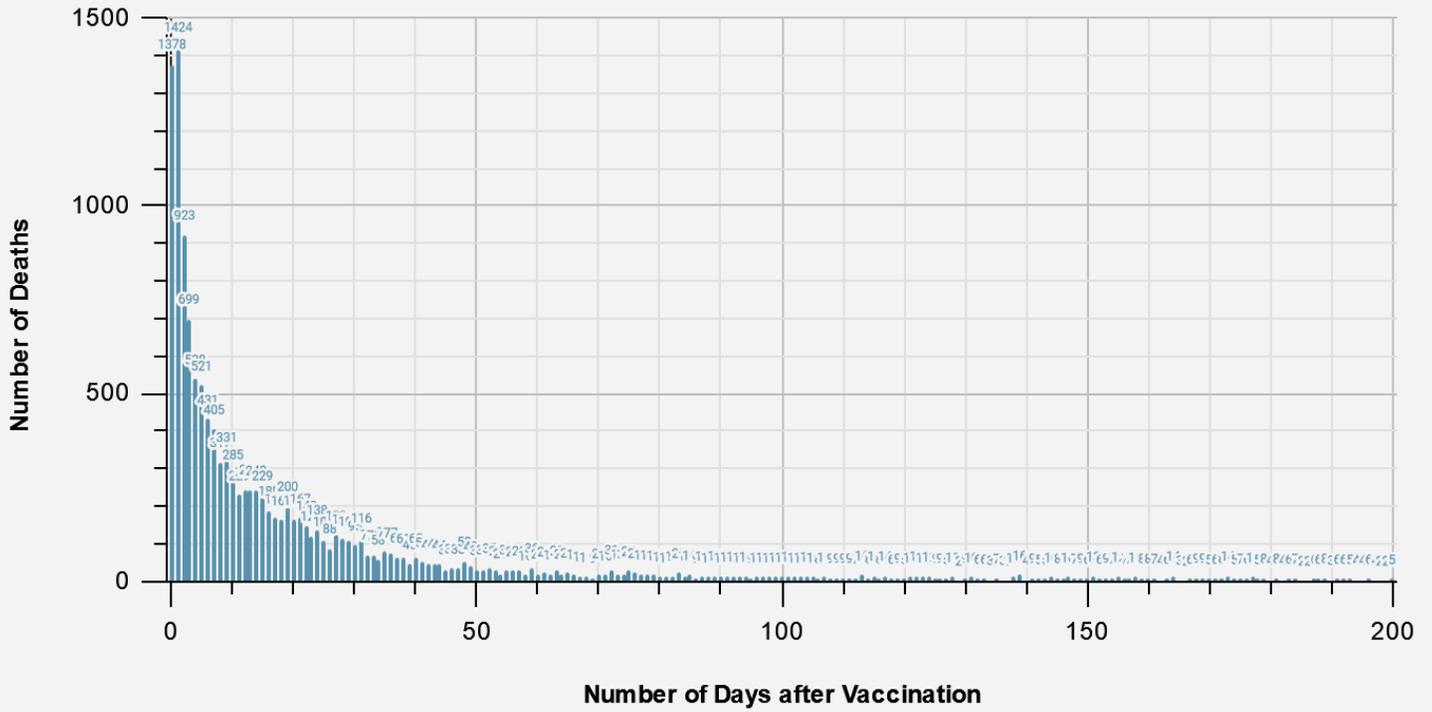
Data Obtained from CDC's VAERS and NVICP data & statistics report



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

Number of Deaths by Days After COVID19 Vaccination

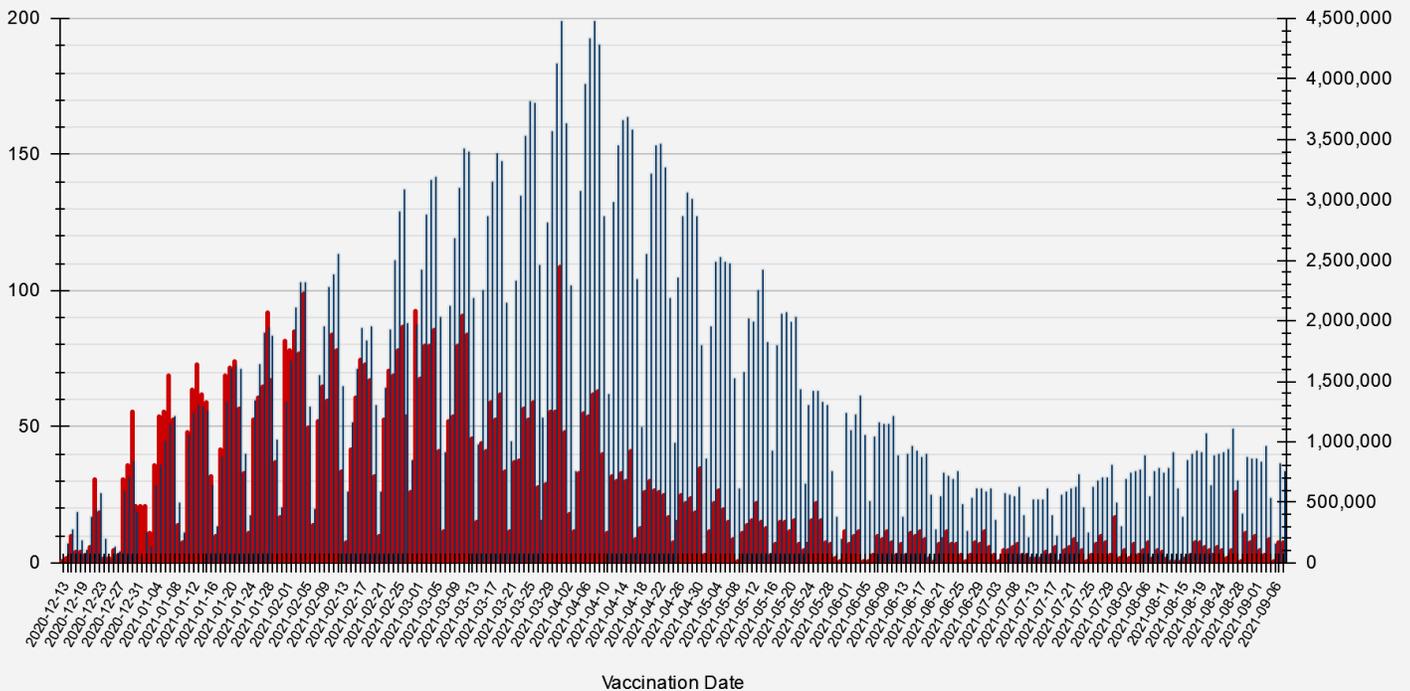
Data obtained from CDC's VAERS



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

Data Obtained from CDC's VAERS & CDC

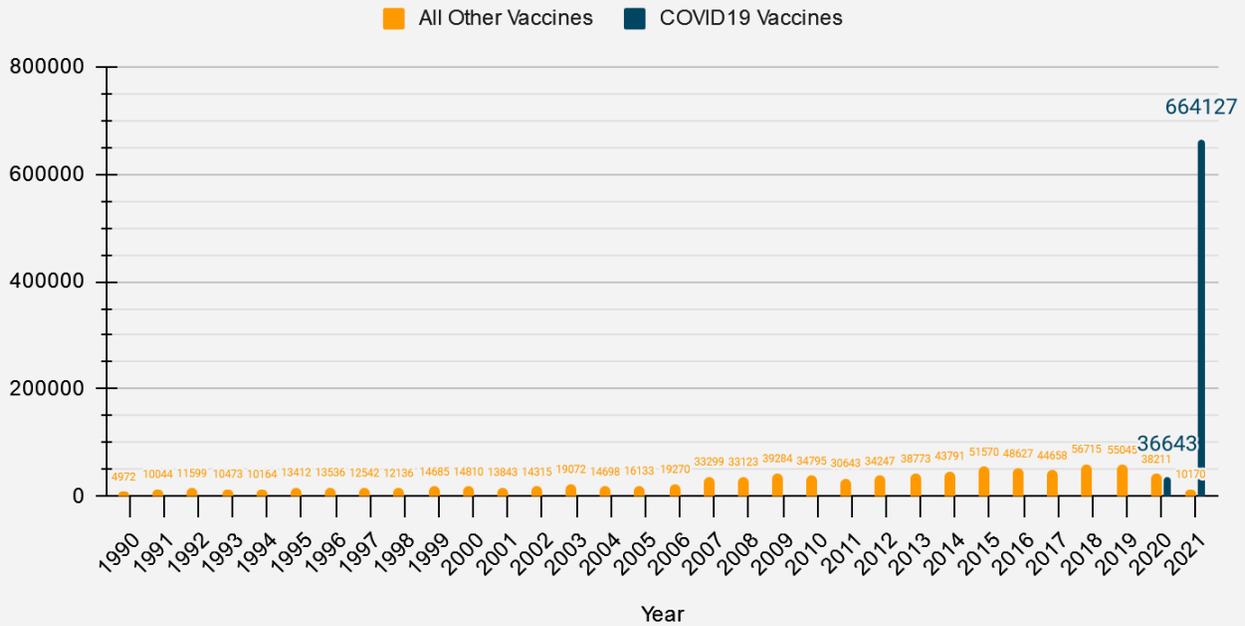
■ Number of Deaths ■ Number of Doses



Adverse Events

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

Data obtained from CDC's VAERS

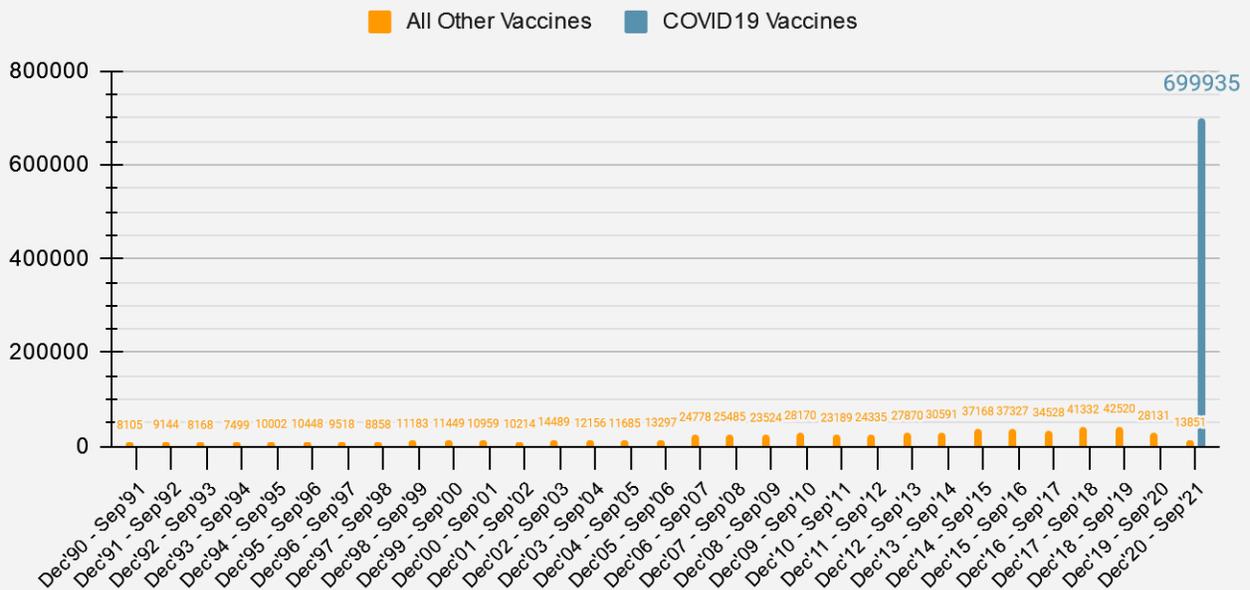


[Note that 791 records for COVID19 were scattered throughout years earlier than 2020 due to incorrect date data in the VAERS system]

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

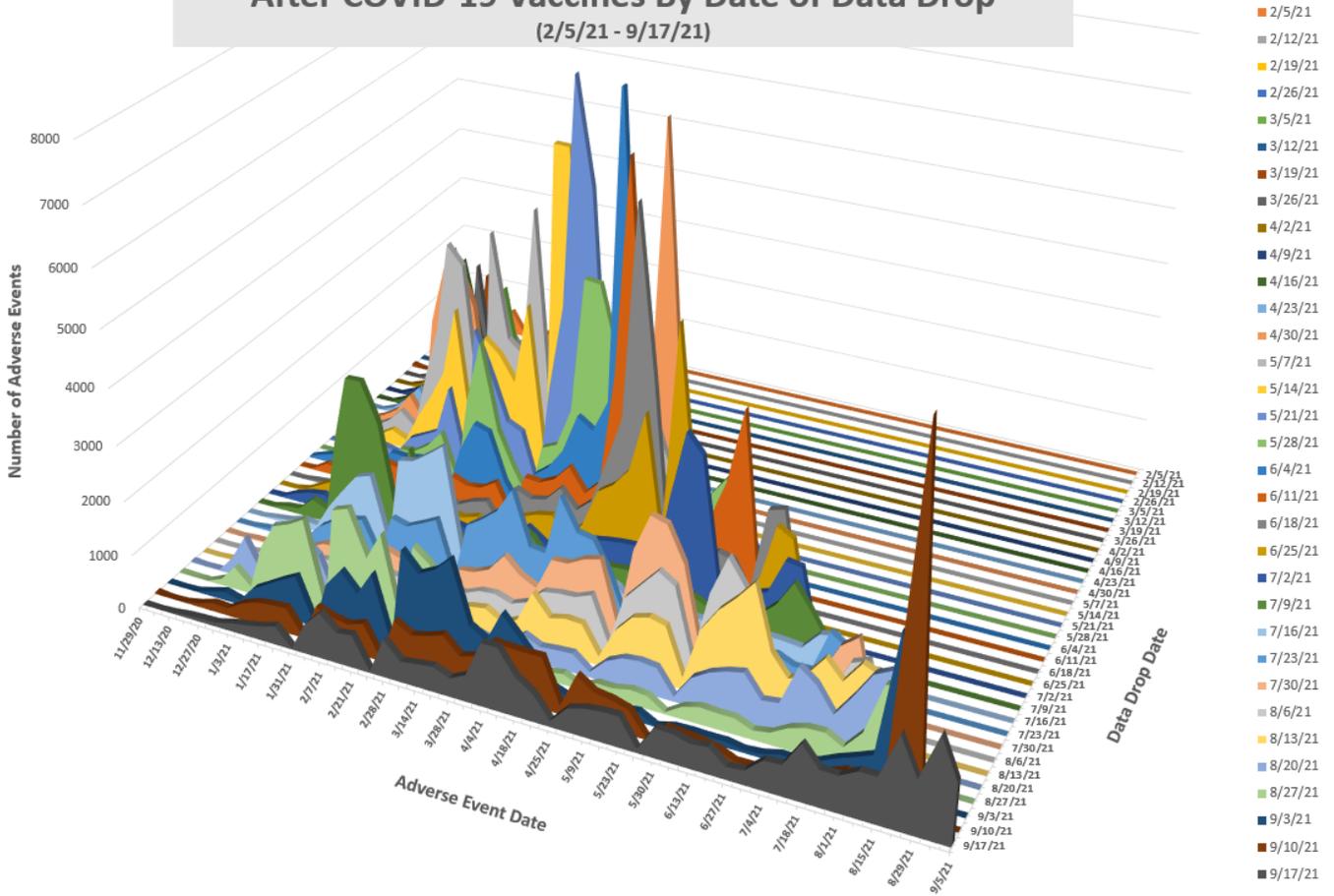
Reported Adverse Events by Comparable Date Period, COVID19 vs. All Other Vaccines

Data Obtained from CDC's VAERS



[Note that 1626 records for COVID19 were scattered throughout periods earlier than Dec'20-Sep'21 due to incorrect date data in the VAERS system]

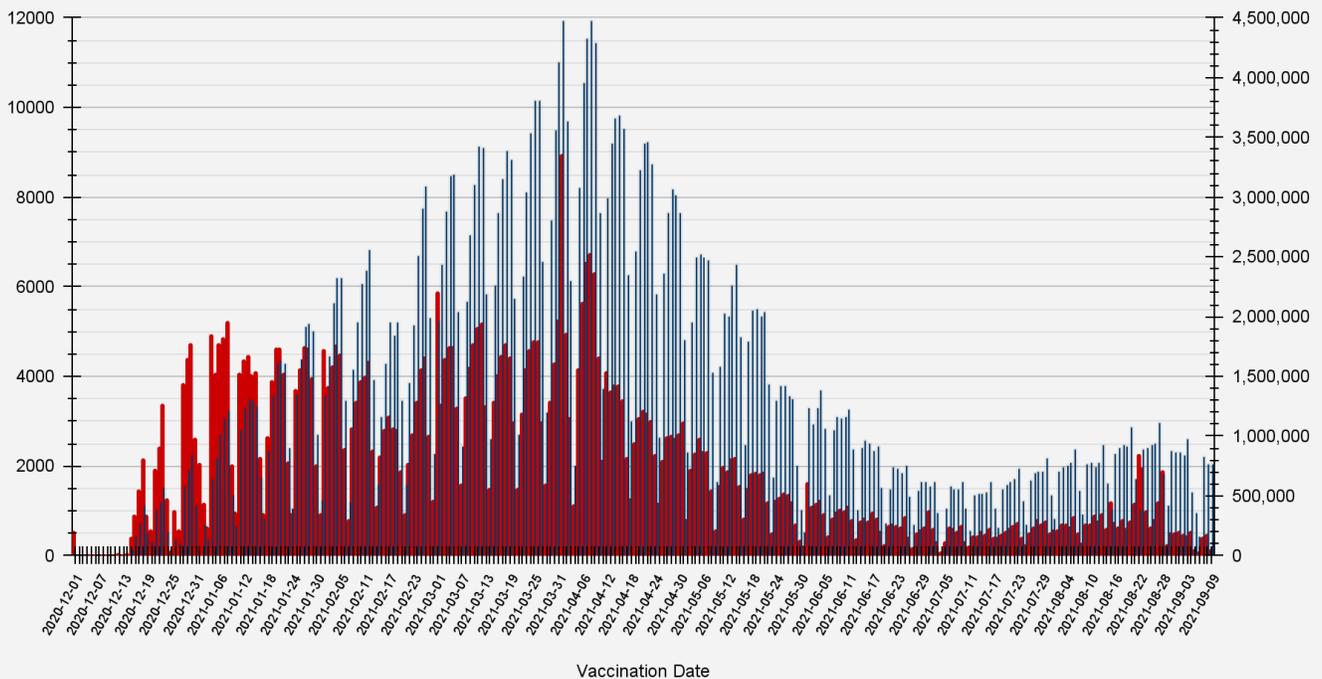
Weekly Distribution of Newly Reported Adverse Events After COVID-19 Vaccines By Date of Data Drop (2/5/21 - 9/17/21)



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	1018	22
Acute Disseminated Encephalomyelitis	67	2
Transverse Myelitis	220	0
Encephalitis	858	98
Convulsions/Seizures	8466	276
Stroke	8016	806
Narcolepsy, Cataplexy	158	3
Anaphylaxis	32164	134
Acute Myocardial Infarction (Heart Attack)	2184	769
Myocarditis/Pericarditis	4800	86
Autoimmune Disease	601	18
Other Acute Demyelinating Diseases	143	1
Pregnancy and birth outcomes (Miscarriages)	1714	52
Other Allergic Reactions	1302	1
Thrombocytopenia	2564	216
Disseminated Intravascular Coagulation	117	40
Venous Thromboembolism	11629	708
Arthritis and Arthralgia/Joint Pain	46331	133
Kawasaki Disease	27	1
Systemic Inflammatory Response Syndrome	365	24

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]	31	1 in 5,401,537	0.000019%	.19
COVID19	167,733,972 ^[2]	5,362	1 in 31,281	0.003197%	31.97
Risk of dying from COVID vaccine is 172.7 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	9,670	1 in 17,316	0.005775%	57.75
COVID19	167,733,972	491,004	1 in 342	0.2927%	2,927.28
Risk of adverse reaction from COVID vaccine is 50.6 times greater than Flu Vaccine					

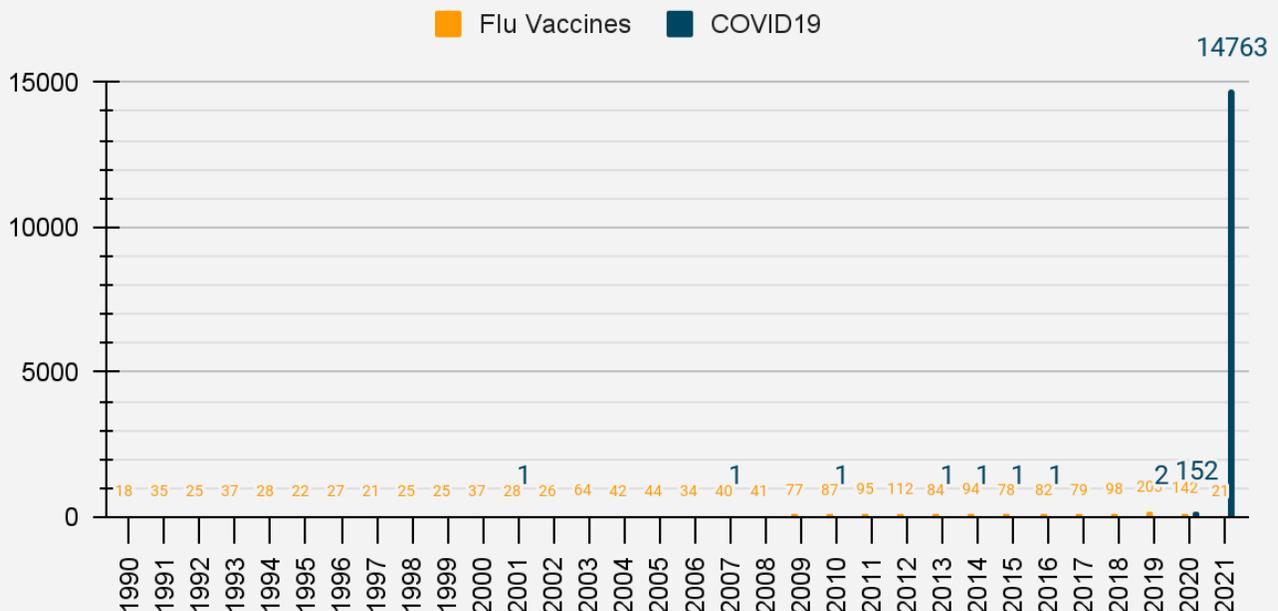
[1] number of flu vaccinations based on estimated flu vaccine coverage data from [CDC](#) and estimated population data from [US Census](#). Yearly flu vaccination data covers a period of time from 7/1 to 5/31 of the following year.

[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

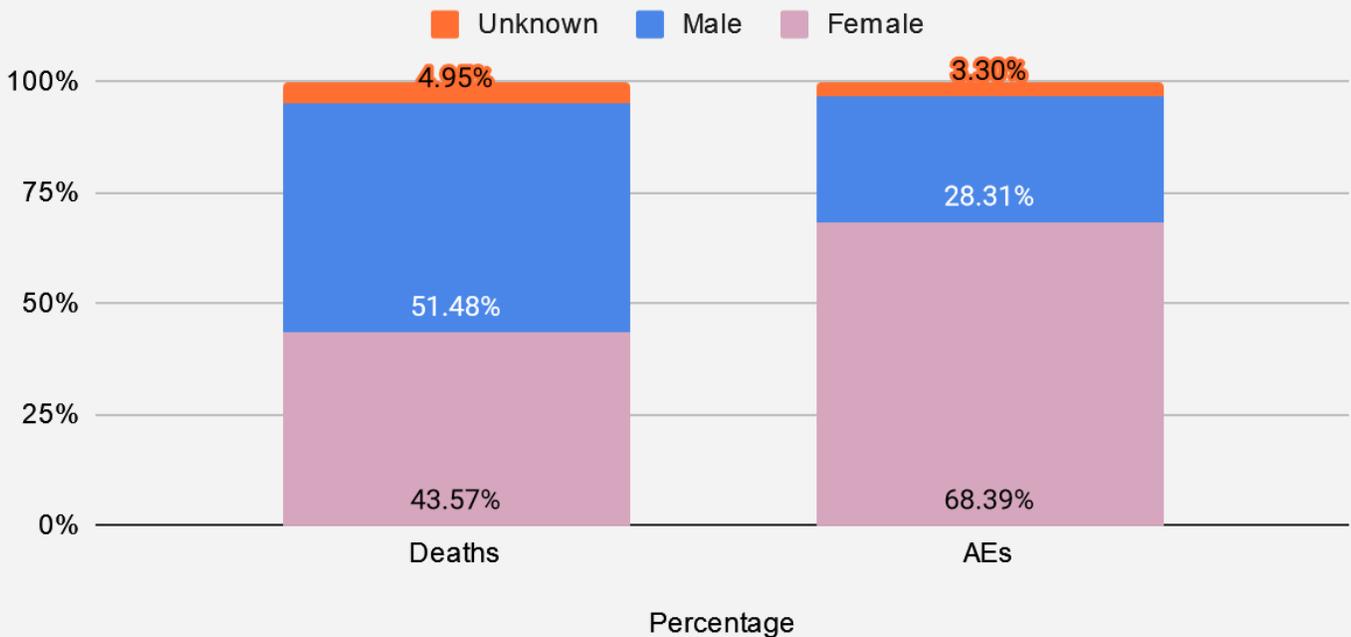
Manufacturer	# of Deaths	% Deaths	Average Deaths/Day	# US Deaths	# US Doses Administered	Average US Deaths/Mill. Doses	Days since EUA approval	EUA Approval Date
Janssen (JNJ)	988	6.62%	5.04	675	14,750,931	45.76	196	2/26/21
Moderna	3687	24.69%	13.86	3023	149,044,965	20.28	266	12/18/20
Pfizer/Biontech	10215	68.4%	37.42	3033	218,872,070	13.86	273	12/11/20
Unknown	44	0.29%		31	370,437			

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)	54320	7.74%	277.14	50988	14,750,931	3456.6	196	2/26/21
Moderna	285436	40.65%	1073.07	270625	149,044,965	1815.73	266	12/18/20
Pfizer/Biontech	361023	51.41%	1322.43	237223	218,872,070	1083.84	273	12/11/20
Unknown	1471	0.21%		1203	370,437			

Vaccine Data by Gender

Gender Distribution of Reported Deaths and AEs after COVID19 Vaccination

All Data Obtained from CDC's VAERS

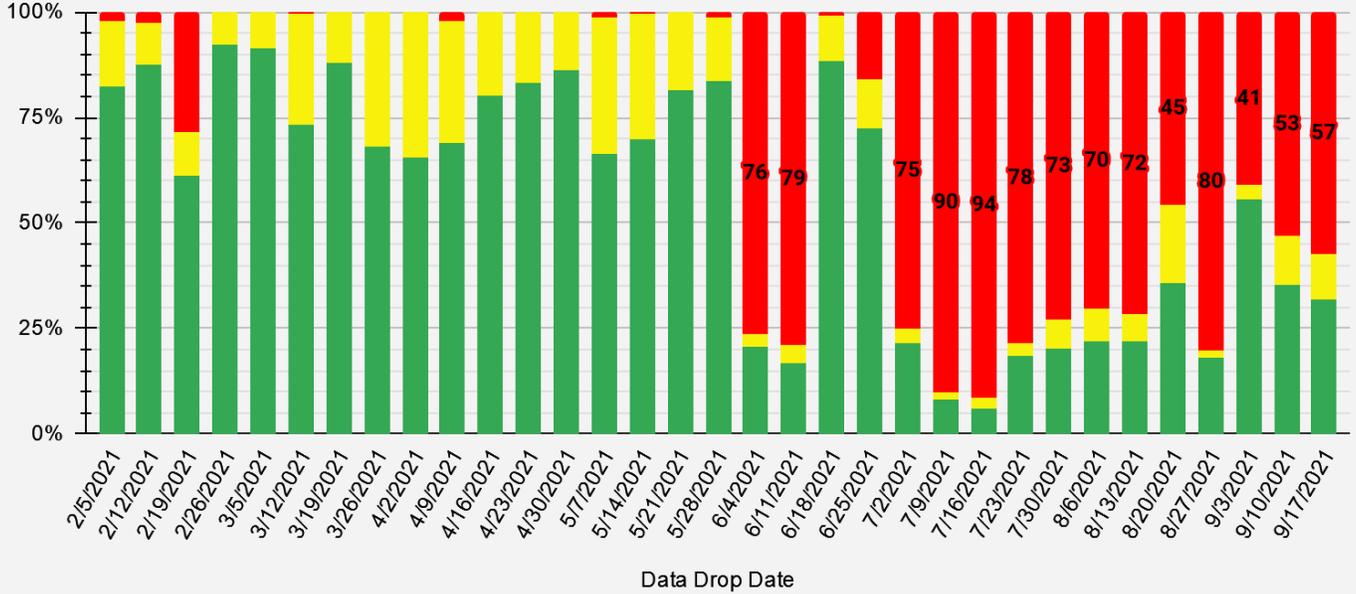


Vaccine Data by Location

Distribution by Location of Reported Deaths after COVID19 Vaccination

All Data Obtained from CDC's VAERS

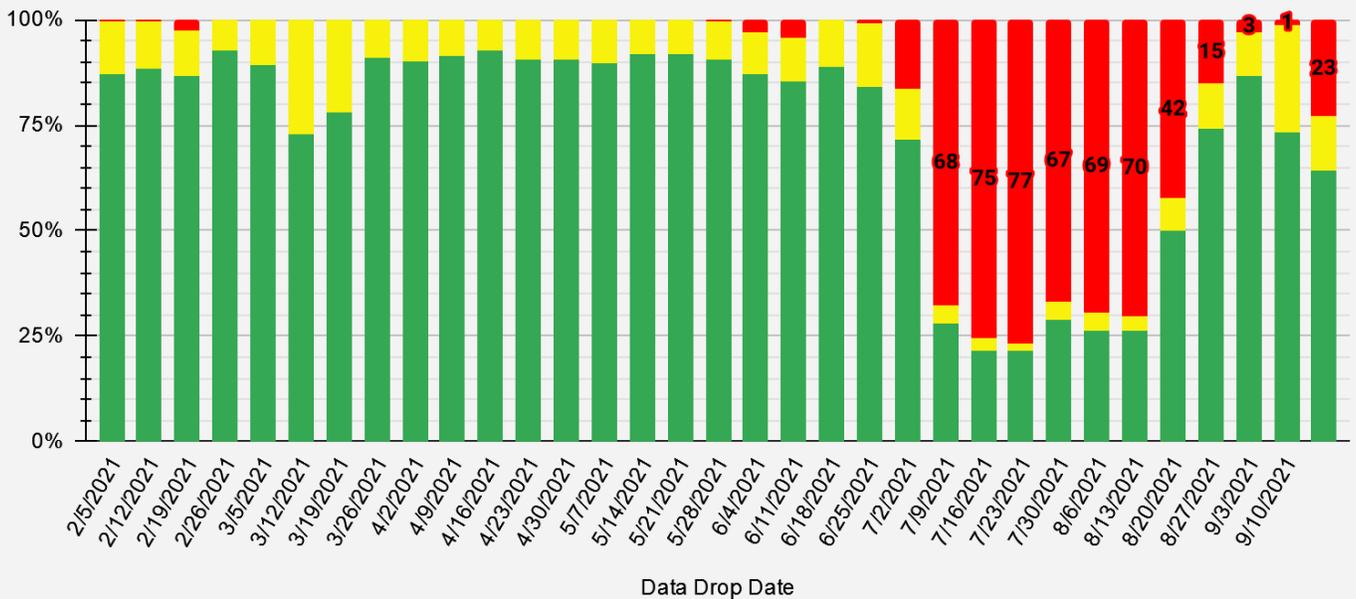
Foreign % Unknown % US %



Distribution by Location of Reported Adverse Events after COVID19 Vaccination

All Data Obtained from CDC's VAERS

Foreign % Unknown % US %



Sources

Visit: vaersanalysis.info 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/coverage-1920estimates.htm>