

VAERS Summary for COVID-19 Vaccines through 04/30/2021

All charts and tables below reflect data from the VAERS website, including U.S. and foreign data, and is updated through: **4/30/2021**.

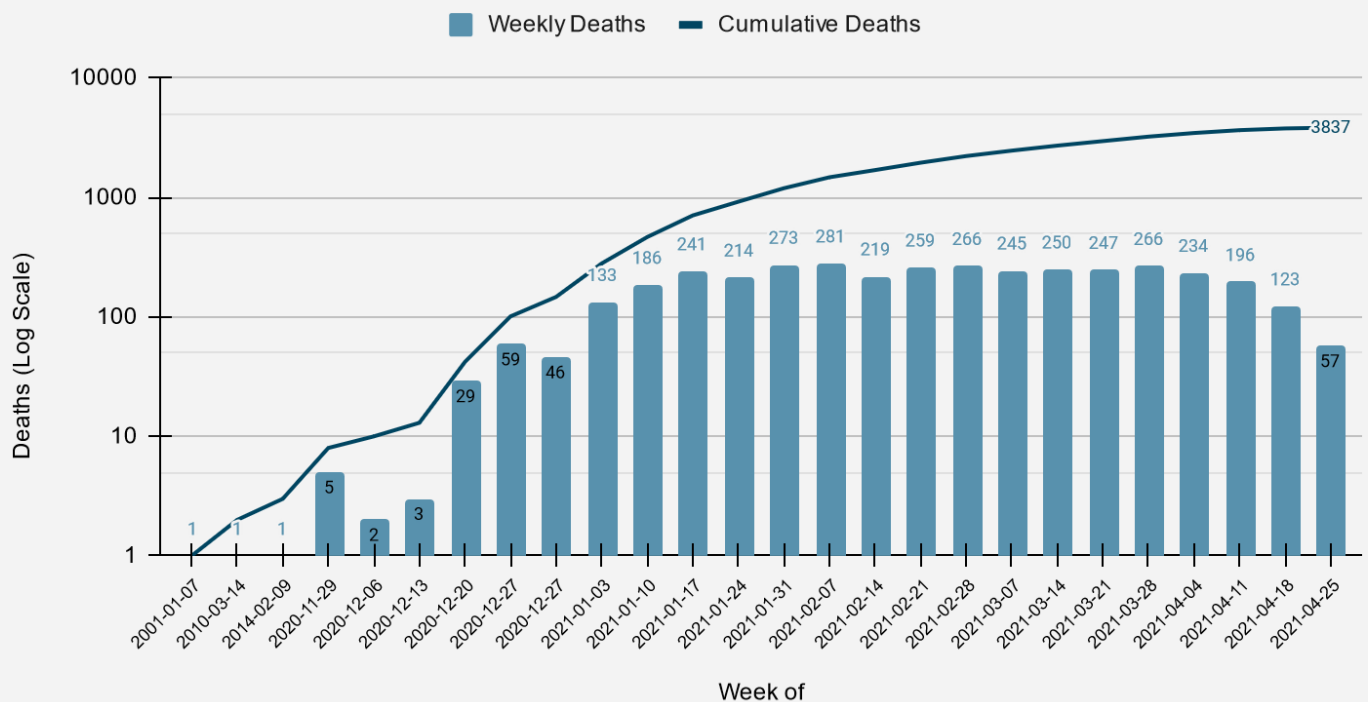
High-Level Summary	COVID19 vaccines (Dec'2020 - present)	All other vaccines 2012-present	All other vaccines 1990-present
Number of Adverse Reactions	157,277	406,114	802,824
Number of Life-Threatening Events	3,282	4,977	13,139
Number of Hospitalizations	10,715	34,045	76,738
Number of Deaths	3,837*	3,673*	8,632
# of Permanent Disabilities after vaccination	2,277	7,890	18,485
Number of Office Visits	26,045	39,660	40,188
# of Emergency Room/Department Visits	21,589	65,874	208,104
# of Birth Defects after vaccination	103	115	121

*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 2012.

Deaths

Reported Deaths by Week, COVID19 Vaccines

Data Obtained from CDC's VAERS

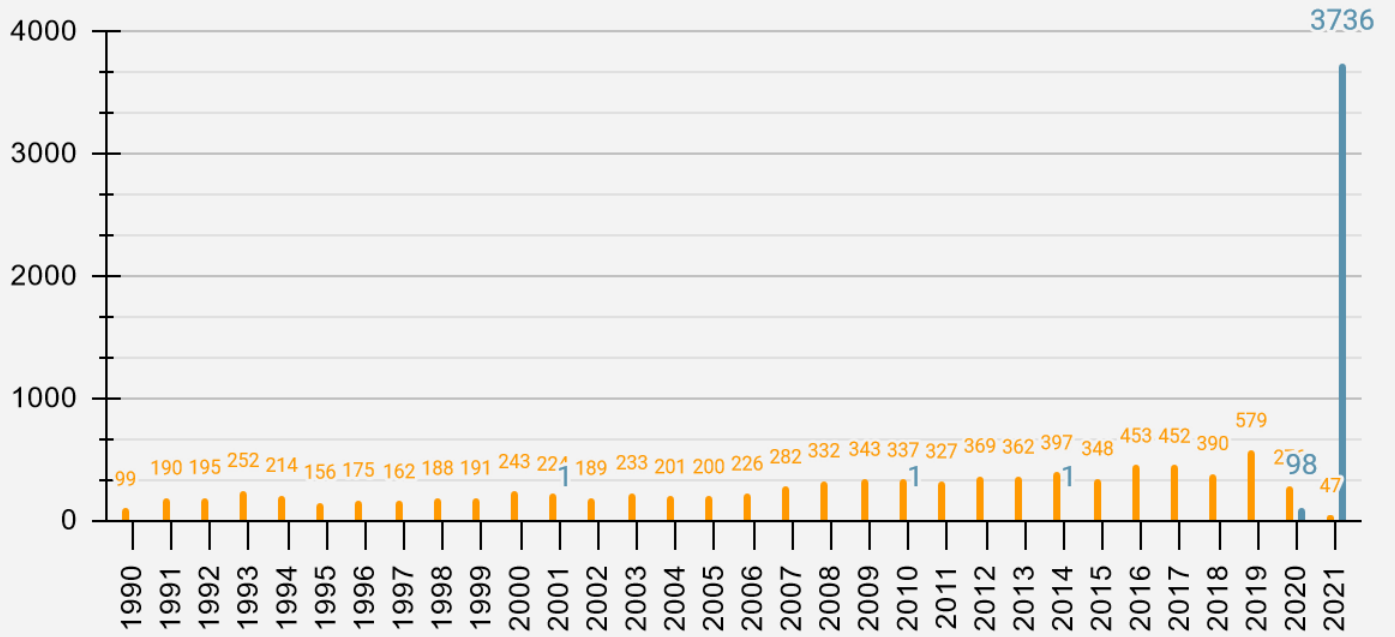


[Note that counts for weeks 2001-01-07, 2010-03-14, and 2014-02-09 are due to incorrect date data in the VAERS system]

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 2001, 2010, 2014 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

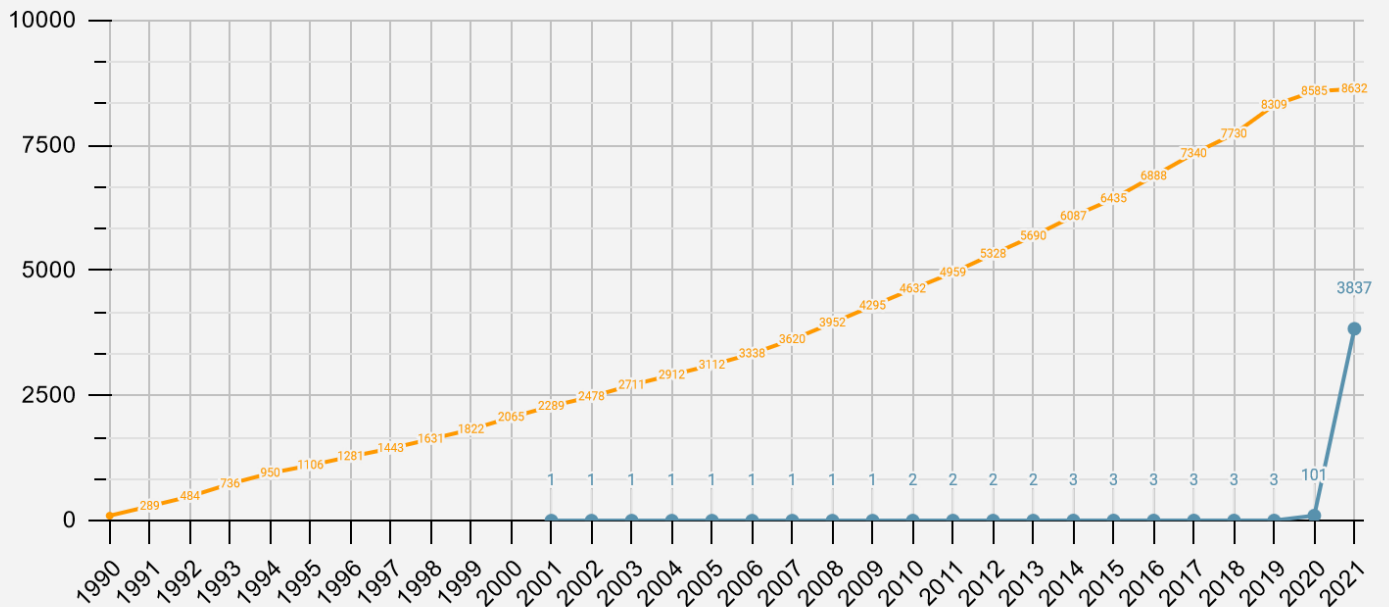
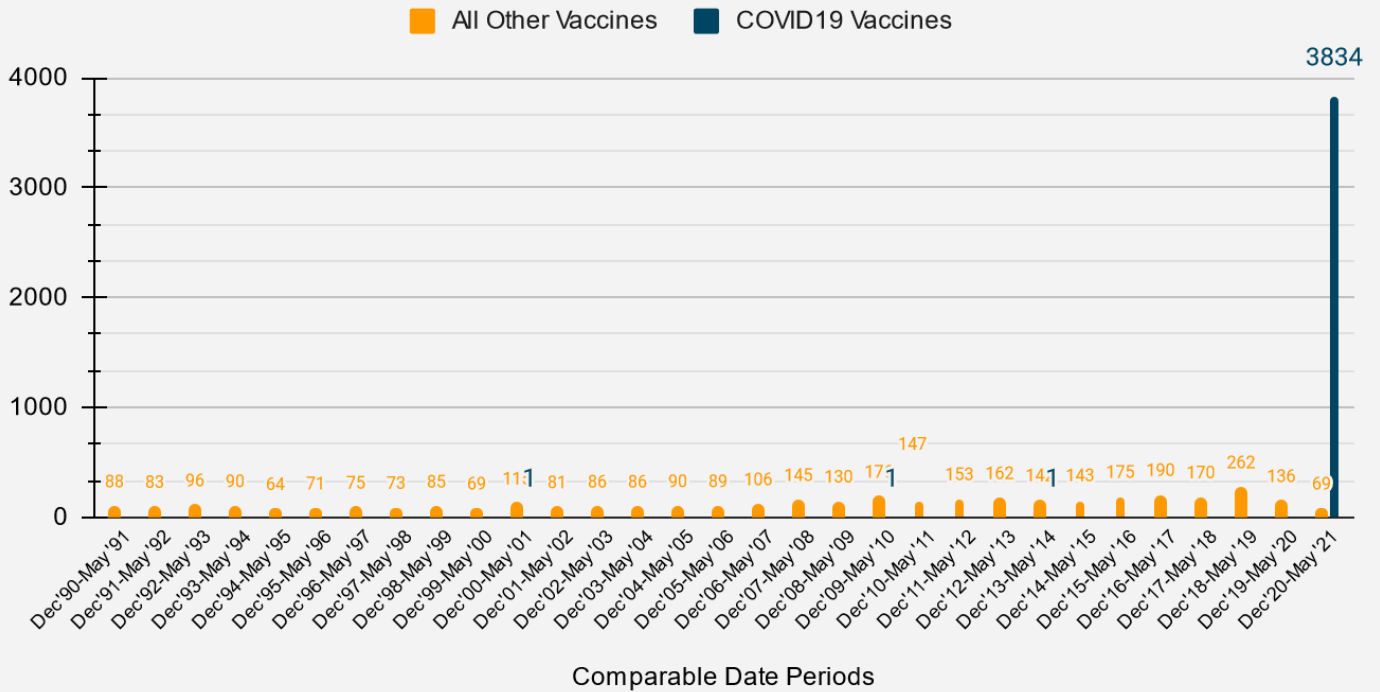


Chart below using comparable 6 month periods, since Covid-19 vaccines have only been available for approximately 6 months:

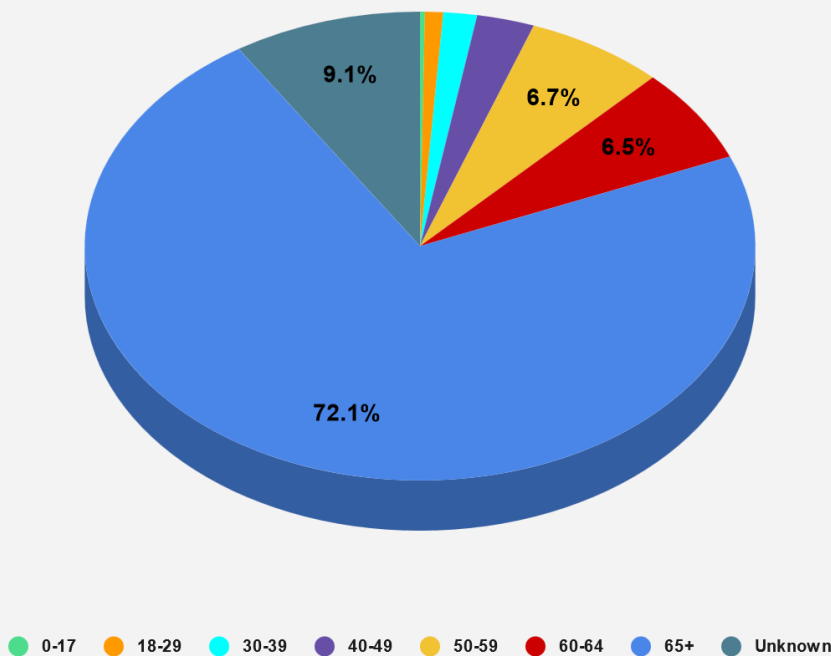
Reported Deaths by Comparable Date Periods, COVID19 vs. All Other Vaccines

Data obtained from CDC's VAERS



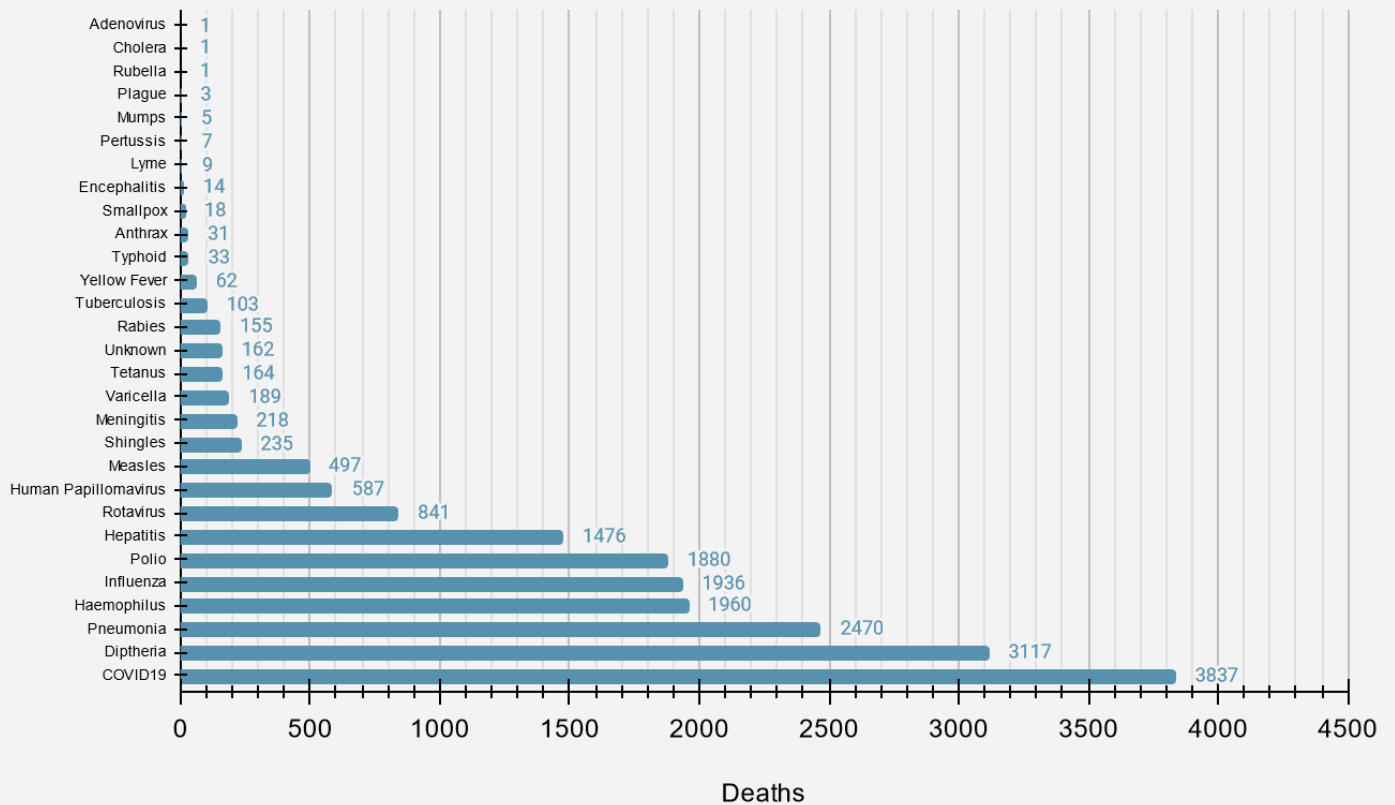
Age Distribution of Reported Deaths After COVID19 Vaccination

Data obtained from CDC's VAERS



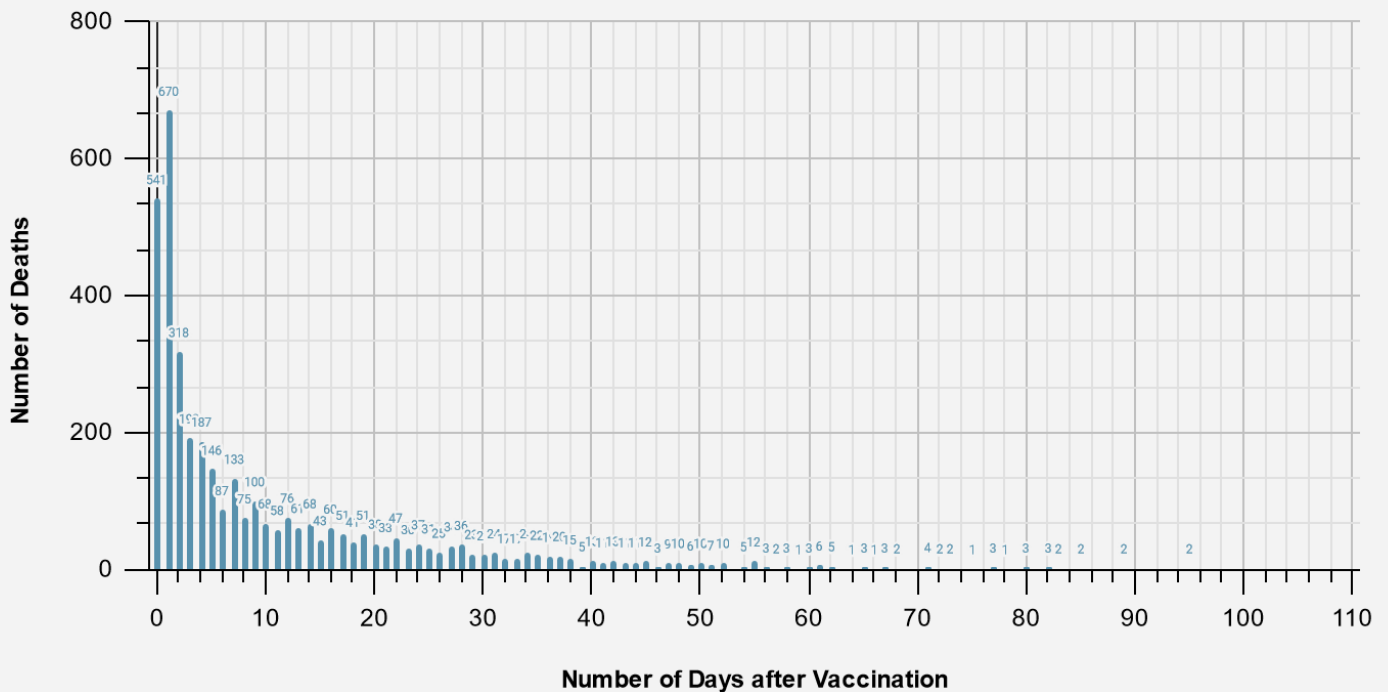
Reported Deaths By Vaccine Type, 1990-Present

Data Obtained from CDC's VAERS



Number of Deaths by Days After COVID19 Vaccination

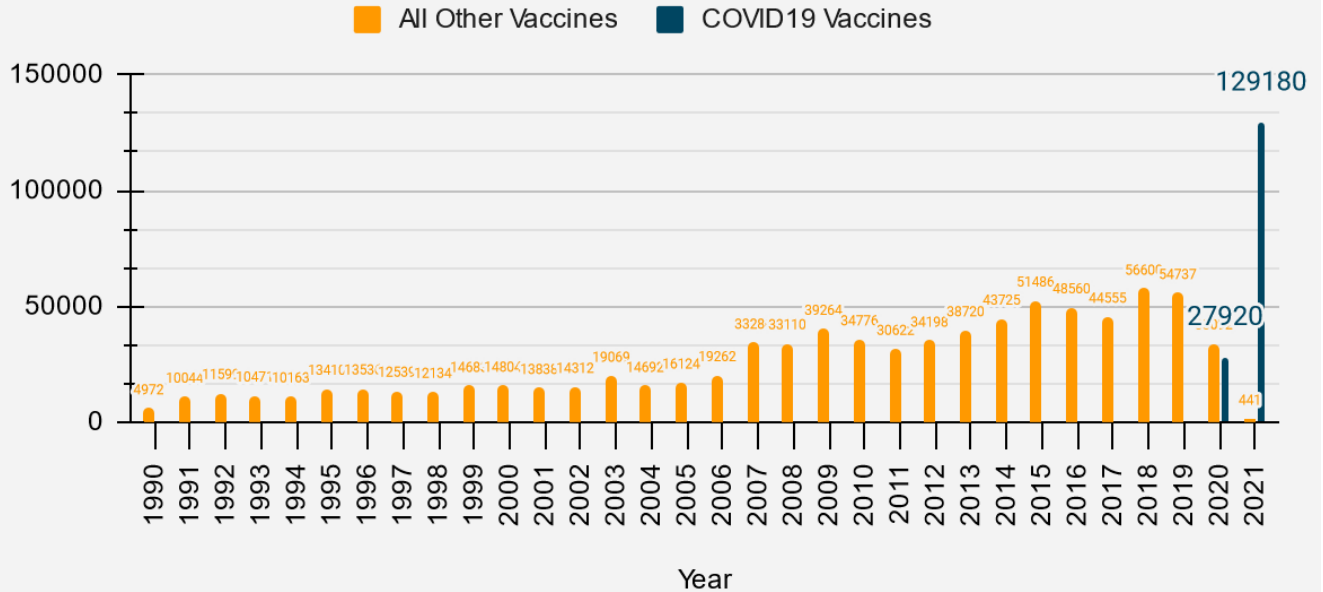
Data obtained from CDC's VAERS



Adverse Events

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

Data obtained from CDC's VAERS

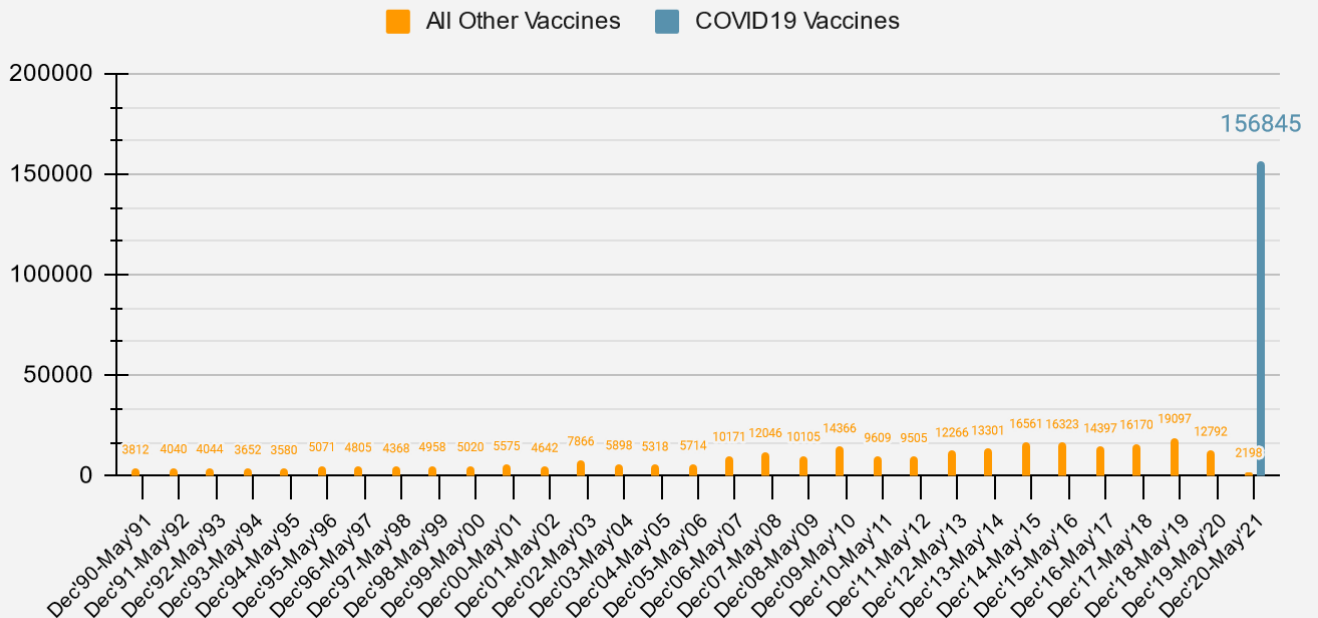


[Note that 177 records for COVID19 were scattered throughout years earlier than 2020 due to incorrect date data in the VAERS system]

Chart below using comparable 6 month periods, since Covid-19 vaccines have only been available for approximately 6 months:

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

Data Obtained from CDC's VAERS



[Note that 432 records for COVID19 were scattered throughout periods earlier than Dec'20-May'21 due to incorrect date data in the VAERS system]

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	160	4
Acute Disseminated Encephalomyelitis	11	0
Transverse Myelitis	57	0
Encephalitis	183	20
Convulsions/Seizures	1360	56
Stroke	1591	145
Narcolepsy, Cataplexy	19	0
Anaphylaxis	7867	28
Acute Myocardial Infarction (Heart Attack)	358	162
Myocarditis/Pericarditis	216	1
Autoimmune Disease	79	3
Other Acute Demyelinating Diseases	20	1
Pregnancy and birth outcomes (Miscarriages)	231	4
Other Allergic Reactions	172	1
Thrombocytopenia	273	36
Disseminated Intravascular Coagulation	16	10
Venous Thromboembolism	1679	124
Arthritis and Arthralgia/Joint Pain	10161	31
Kawasaki Disease	4	0
Systemic Inflammatory Response Syndrome	54	5

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 4/30/2021 vs. Flu vaccinations 7/1/2019 - 5/31/2020 (last complete flu season)

Vaccine Type	# of Vaccinations	# of Deaths	Risk of Death	Percentage
Flu	167,447,642 ^[1]	90	1 in 1,860,529	0.000054%
COVID19	144,894,586 ^[2]	3,837	1 in 37,762	0.002648%
Risk of dying from COVID vaccine is 49.3 times greater than Flu Vaccine				

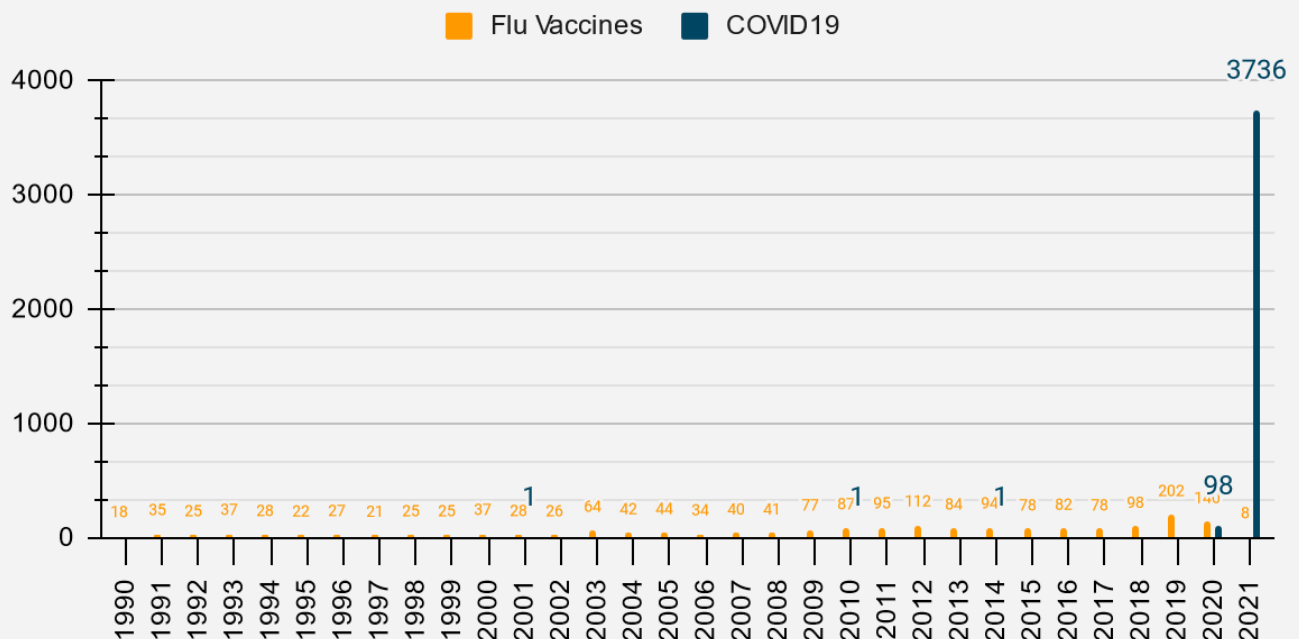
Vaccine Type	# of Vaccinations	# of Adverse Reactions	Risk of Adverse Reaction	Percentage
Flu	167,447,642	10,416	1 in 16,076	0.006220%
COVID19	144,894,586	157,277	1 in 921	0.1085%
Risk of adverse reaction from COVID vaccine is 17.5 times greater than Flu Vaccine				

[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](#)

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	Days since EUA approval	EUA Approval Date
Janssen (JNJ)	261	6.8%	4.14	63	2/26/2021
Moderna	1839	47.92%	13.83	133	12/18/2020
Pfizer/Biontech	1719	44.79%	12.28	140	12/11/2020
Unknown	19	0.5%			

Manufacturer	# of Adverse Events	% AEs	Average AEs/Day	Days since EUA approval	EUA Approval Date
Janssen (JNJ)	29288	18.61%	464.89	63	2/26/2021
Moderna	67759	43.06%	509.47	133	12/18/2020
Pfizer/Biontech	59792	38%	427.09	140	12/11/2020
Unknown	515	0.33%			