

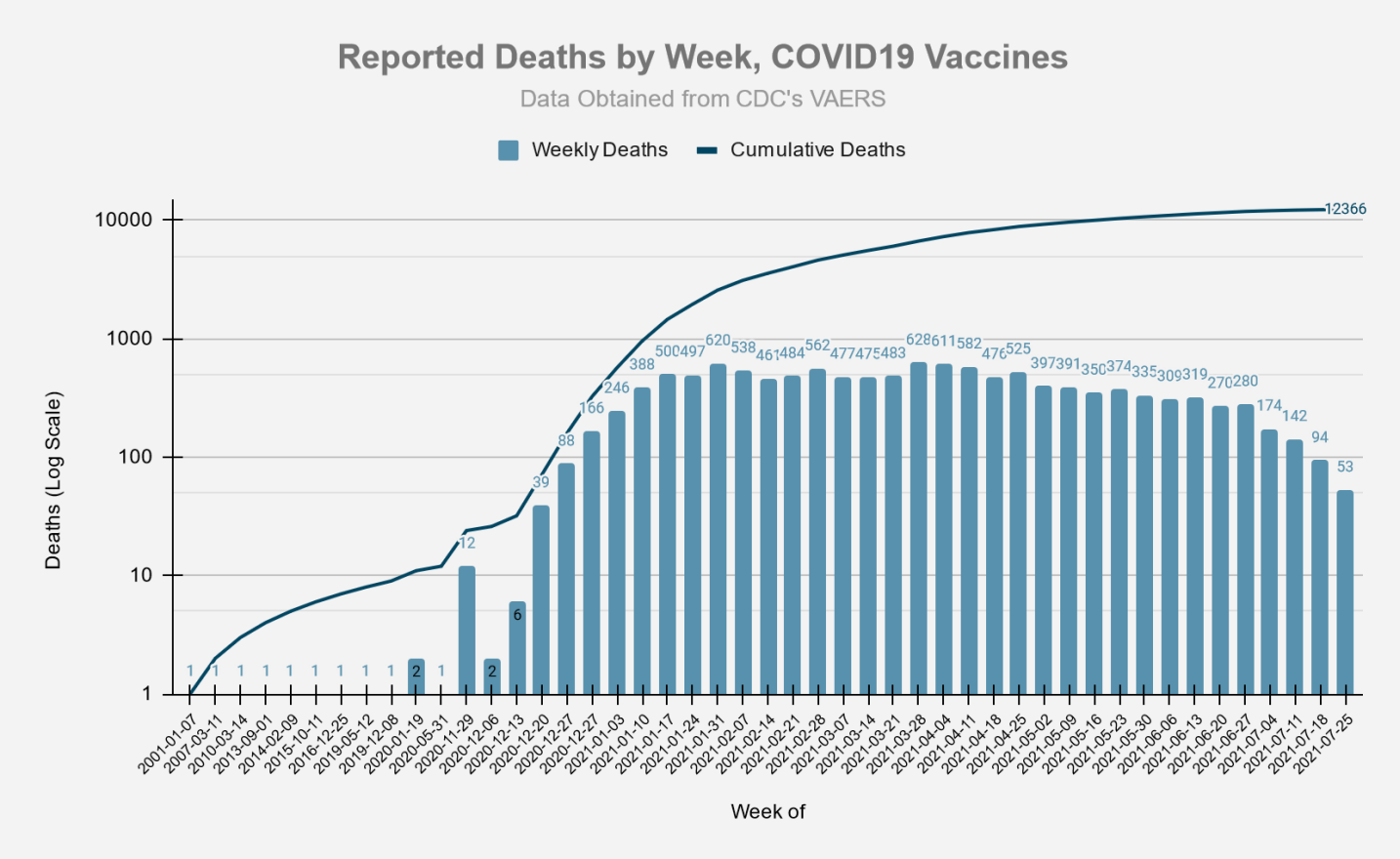
VAERS Summary for COVID-19 Vaccines through 7/30/2021

All charts and tables below reflect the data release on 8/06/2021 from the VAERS website, which includes U.S. and foreign data, and is updated through: **7/30/2021**.

High-Level Summary	COVID19 vaccines (Dec'2020 - present)	All other vaccines 1990-present
Number of Adverse Reactions	545,338	811,710
Number of Life-Threatening Events	12,193	13,364
Number of Hospitalizations	46,036	77,566
Number of Deaths	12,366*	8,858*
# of Permanent Disabilities after vaccination	14,251	18,932
Number of Office Visits	92,526	41,899
# of Emergency Room/Department Visits	67,985	208,789
# of Birth Defects after vaccination	324	133

*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

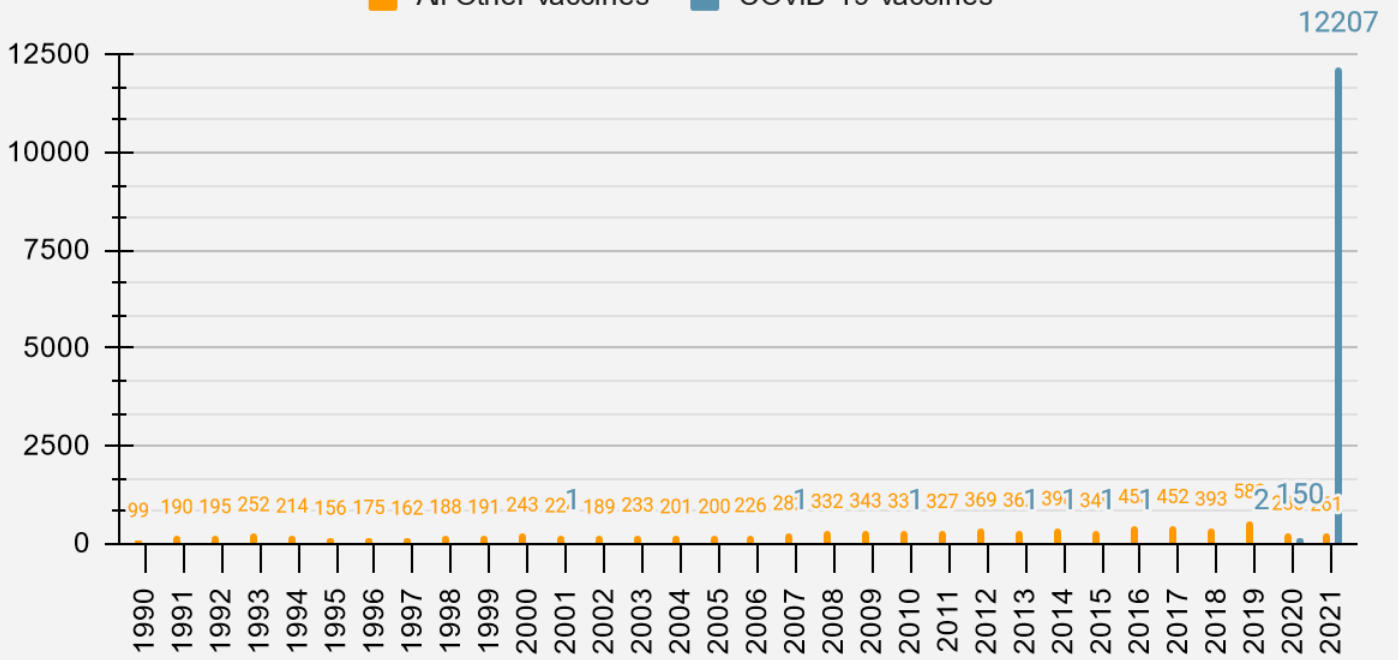


[Note that the single counts before 2020-11-29 are due to incorrect date data in the VAERS system]

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

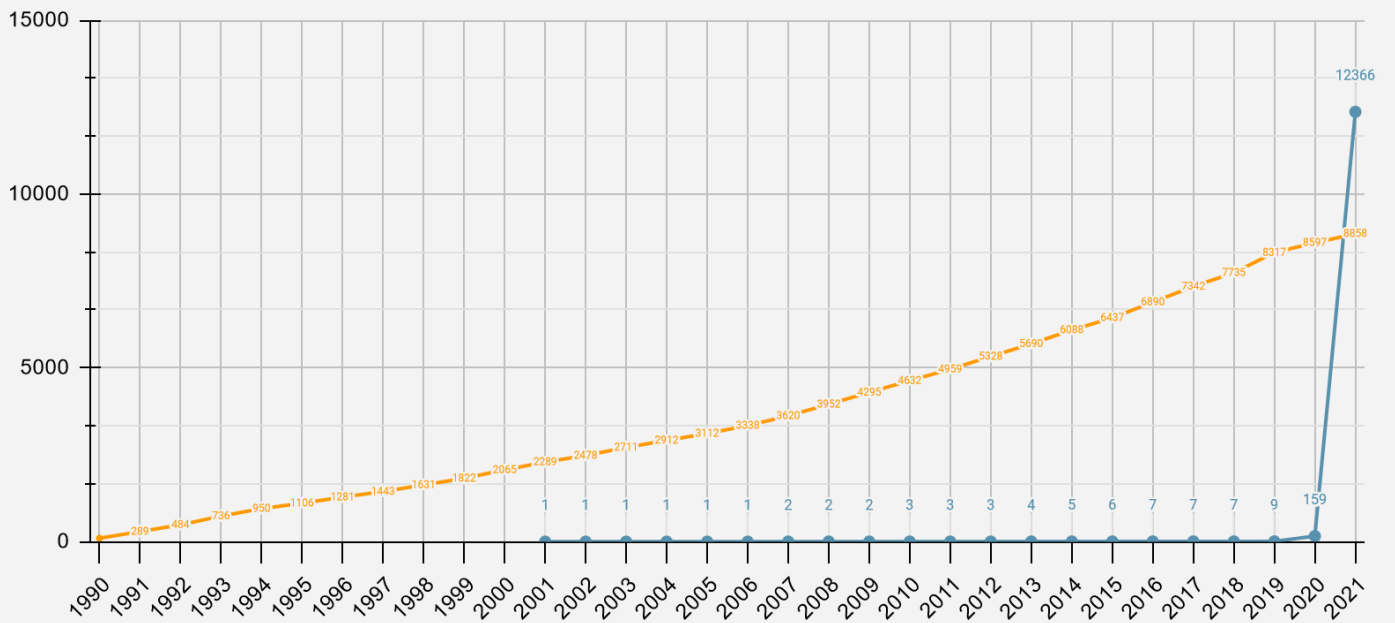
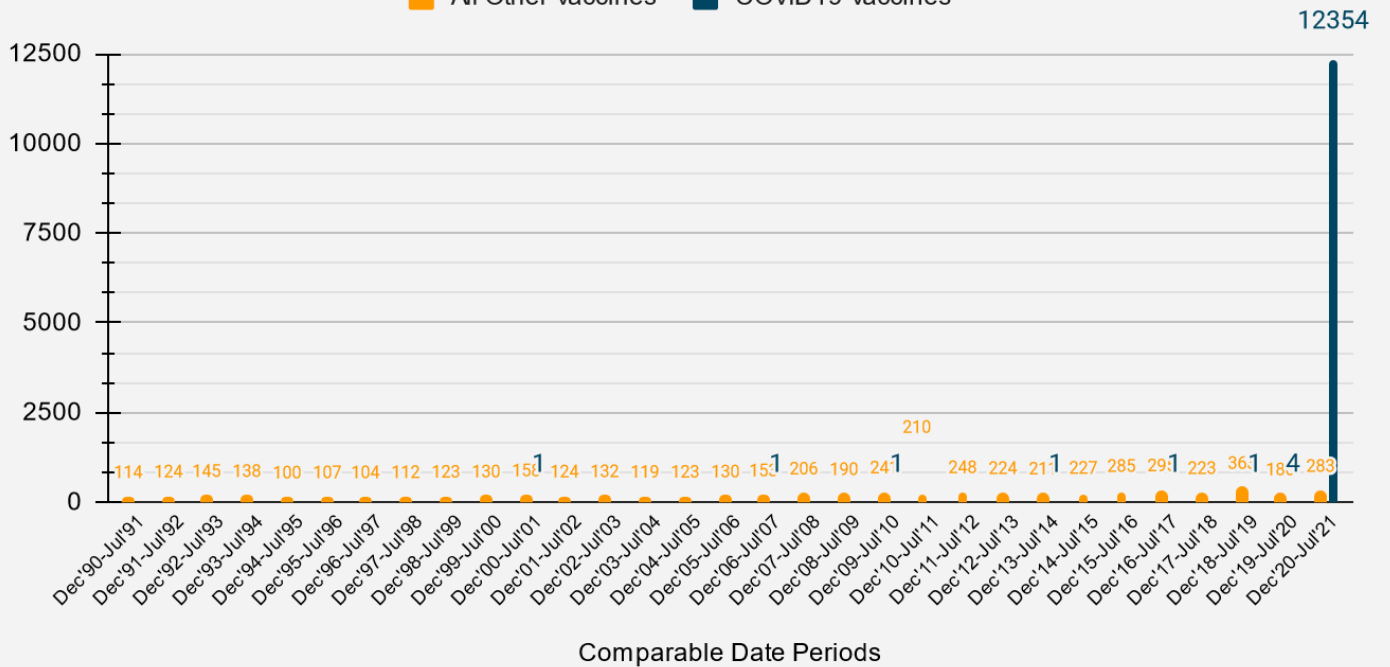


Chart below using comparable 8 month periods, since Covid-19 vaccines have only been available for approximately 8 months:

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

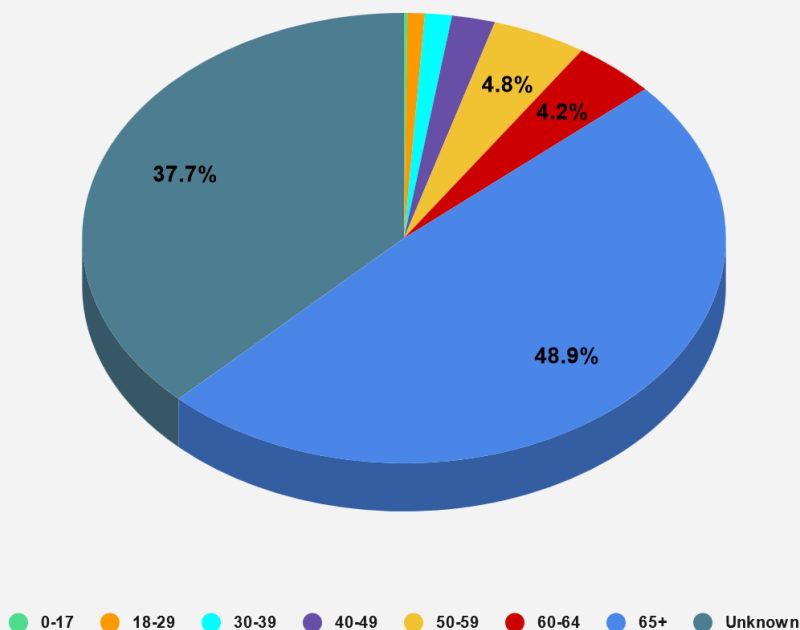
Data obtained from CDC's VAERS

■ All Other Vaccines
 ■ COVID19 Vaccines



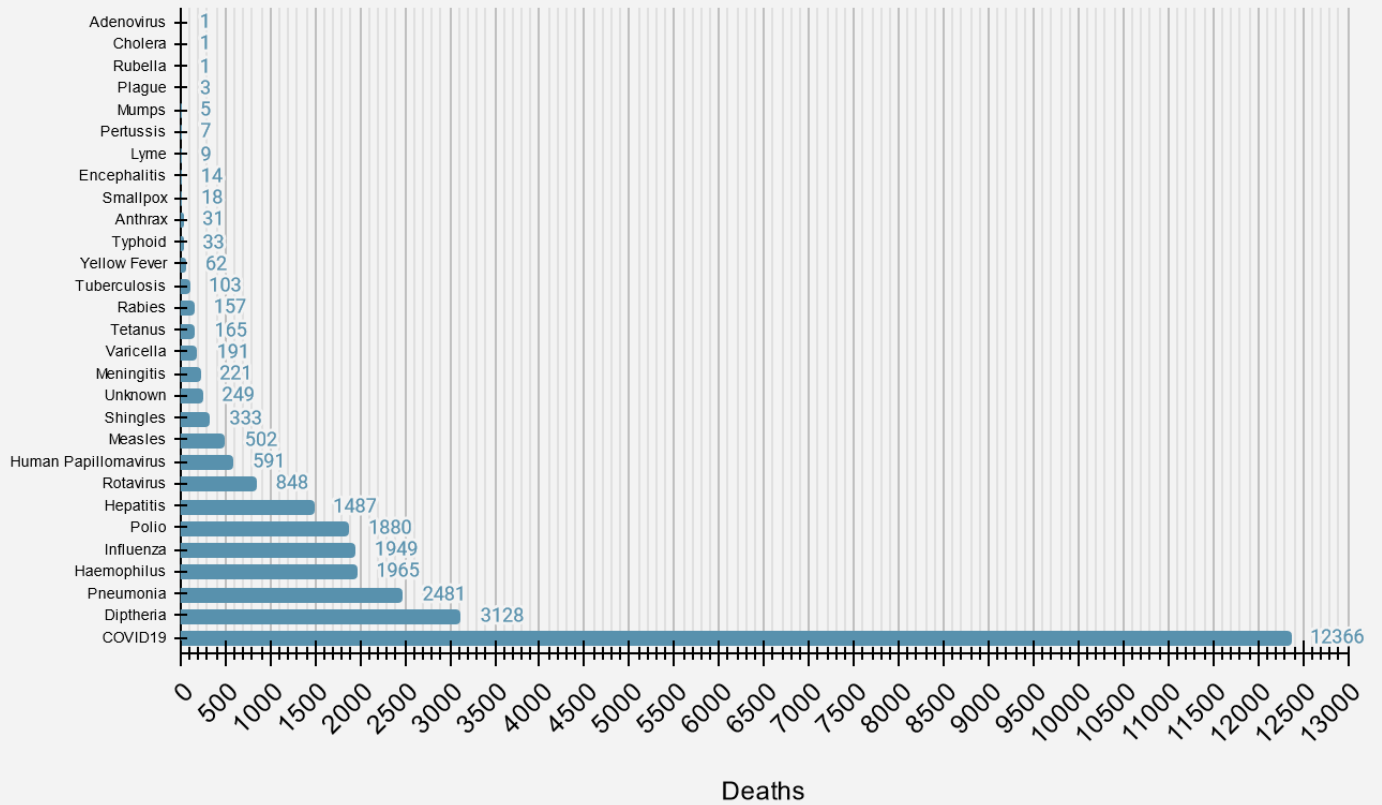
Age Distribution of Reported Deaths After COVID19 Vaccination

Data obtained from CDC's VAERS



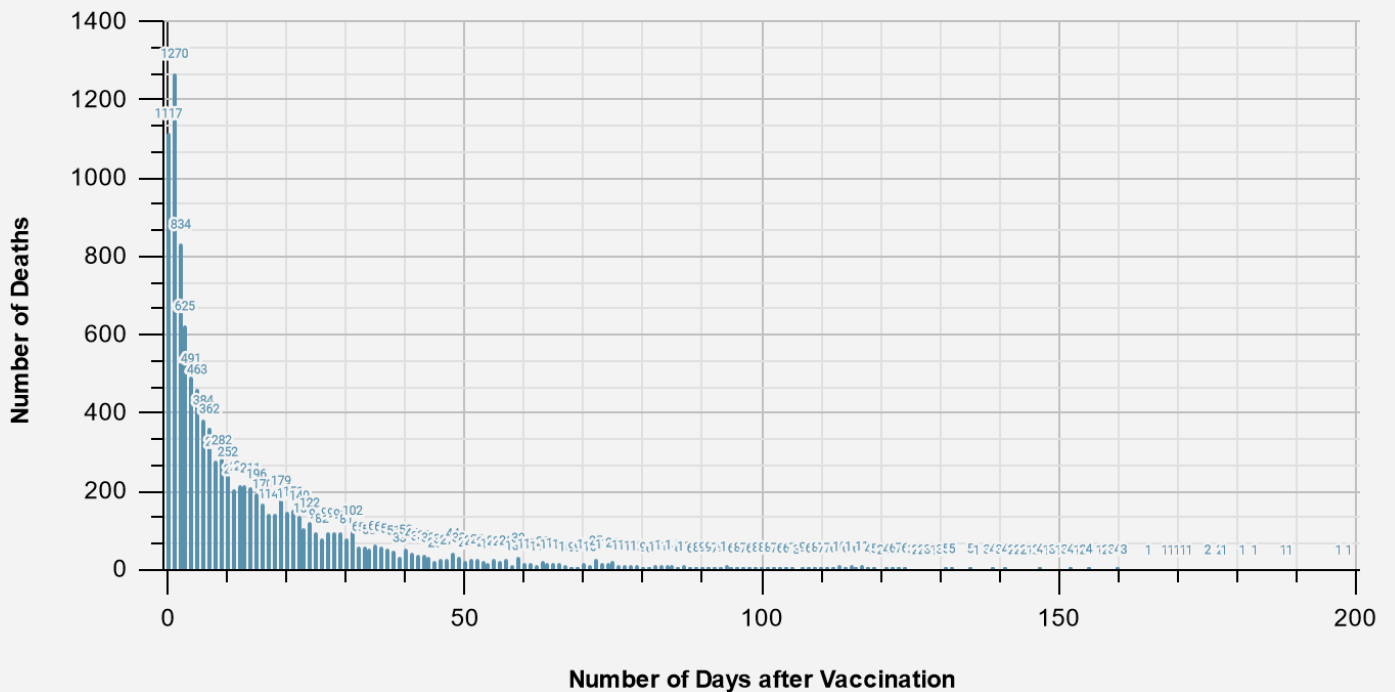
Reported Deaths By Vaccine Type, 1990-Present

Data Obtained from CDC's VAERS



Number of Deaths by Days After COVID19 Vaccination

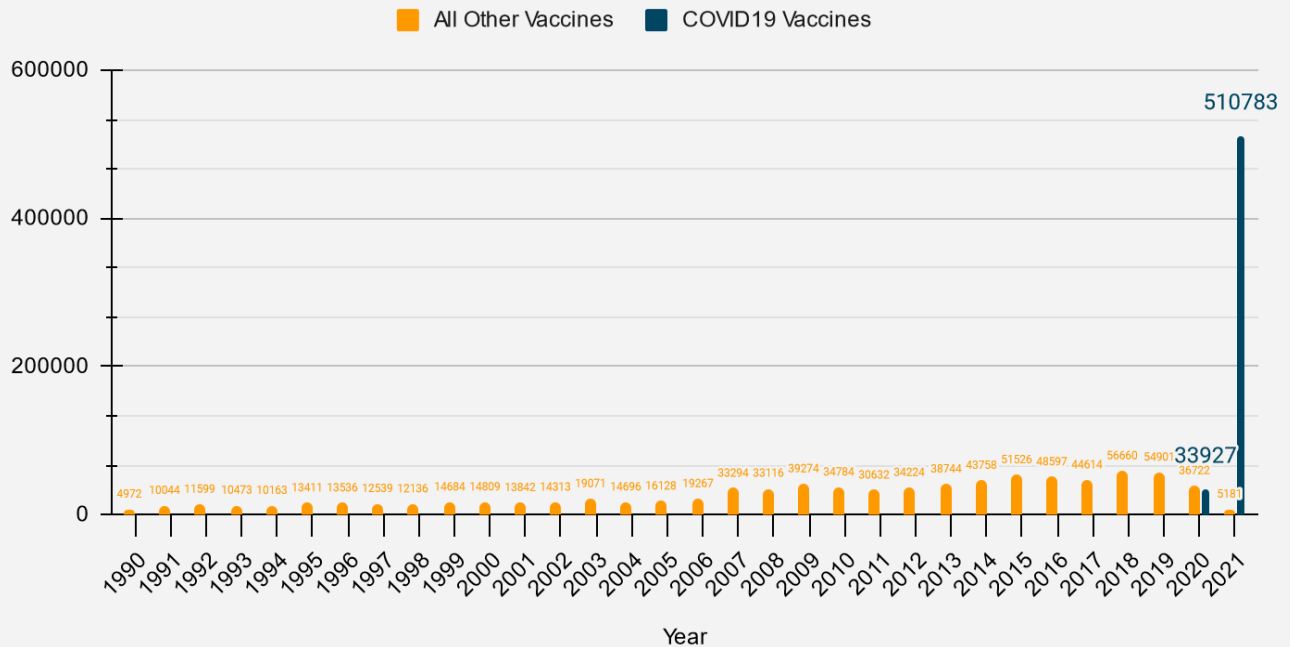
Data obtained from CDC's VAERS



Adverse Events

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

Data obtained from CDC's VAERS

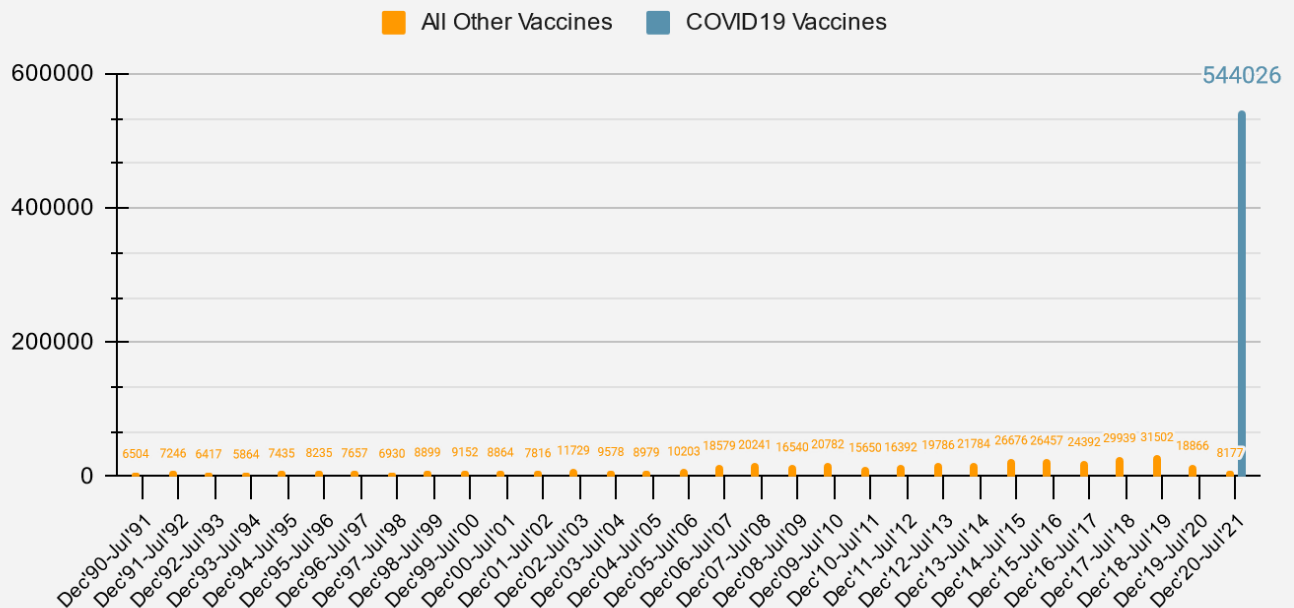


[Note that 628 records for COVID19 were scattered throughout years earlier than 2020 due to incorrect date data in the VAERS system]

Chart below using comparable 8 month periods, since Covid-19 vaccines have only been available for approximately 8 months:

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

Data Obtained from CDC's VAERS



[Note that 1312 records for COVID19 were scattered throughout periods earlier than Dec'20-Jul'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	731	16
Acute Disseminated Encephalomyelitis	49	1
Transverse Myelitis	179	0
Encephalitis	662	75
Convulsions/Seizures	6940	221
Stroke	6533	702
Narcolepsy, Cataplexy	103	2
Anaphylaxis	26626	118
Acute Myocardial Infarction (Heart Attack)	1707	638
Myocarditis/Pericarditis	3027	51
Autoimmune Disease	440	12
Other Acute Demyelinating Diseases	105	1
Pregnancy and birth outcomes (Miscarriages)	1339	34
Other Allergic Reactions	933	0
Thrombocytopenia	1893	173
Disseminated Intravascular Coagulation	78	31
Venous Thromboembolism	9068	555
Arthritis and Arthralgia/Joint Pain	36495	105
Kawasaki Disease	23	0
Systemic Inflammatory Response Syndrome	293	17

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
Flu	167,447,642 ^[1]	91	1 in 1,840,083	0.000054%
COVID19	167,733,972 ^[2]	10,461	1 in 16,034	0.006237%
Risk of dying from COVID vaccine is 114.8 times greater than Flu Vaccine				

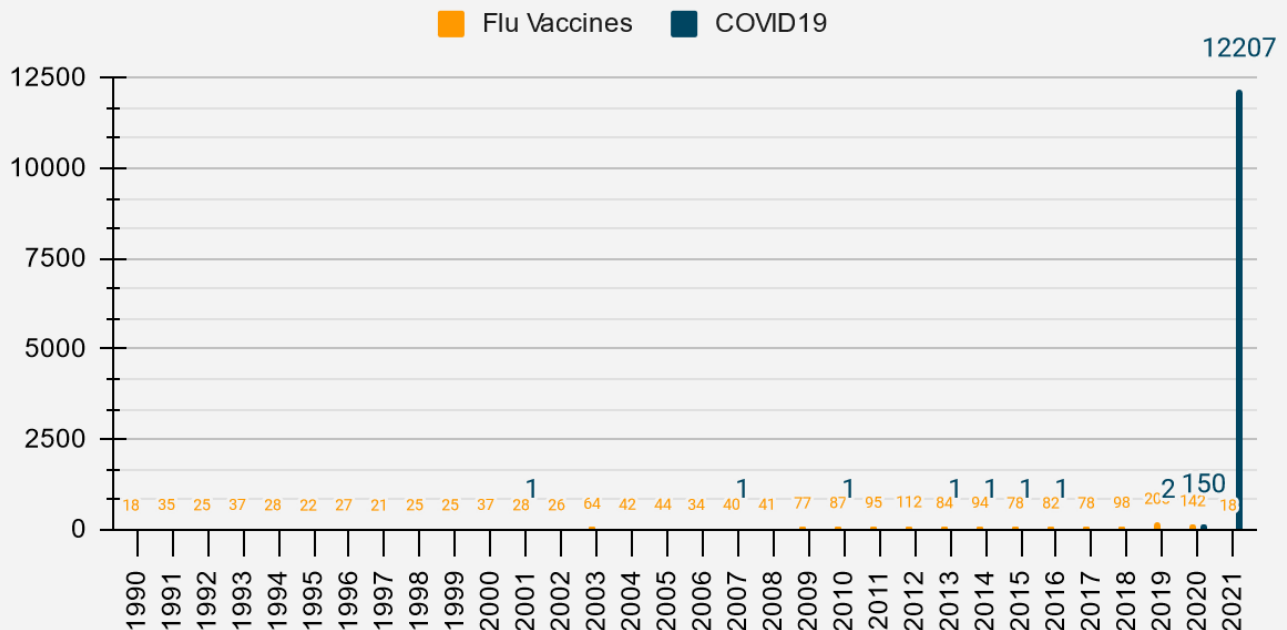
Vaccine Type	# of Vaccinations	# of Adverse Reactions	Risk of Adverse Reaction	Percentage
Flu	167,447,642	10,448	1 in 16,027	0.006231%
COVID19	167,733,972	504,864	1 in 332	0.3010%
Risk of adverse reaction from COVID vaccine is 48.2 times greater than Flu Vaccine				

[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)	658	5.32%	4.27	154	2/26/2021
Moderna	3167	25.59%	14.14	224	12/18/2020
Pfizer/Biontech	8511	68.78%	36.84	231	12/11/2020
Unknown	38	0.31%			

Manufacturer	# of Adverse Events	% AEs	Average AEs/Day	Days since EUA approval	EUA Approval Date
Janssen (JNJ)	47279	8.66%	307.01	154	2/26/2021
Moderna	202717	37.14%	904.99	224	12/18/2020
Pfizer/Biontech	294637	53.98%	1275.48	231	12/11/2020
Unknown	1192	0.22%			

Vaccine Data by Gender

Gender Distribution of Reported Deaths and AEs after COVID19 Vaccination

All Data Obtained from CDC's VAERS

