

# VAERS Summary for COVID-19 Vaccines through 6/18/2021

All charts and tables below reflect the data release on 6/25/2021 from the VAERS website, which includes U.S. and foreign data, and is updated through: **6/18/2021**.

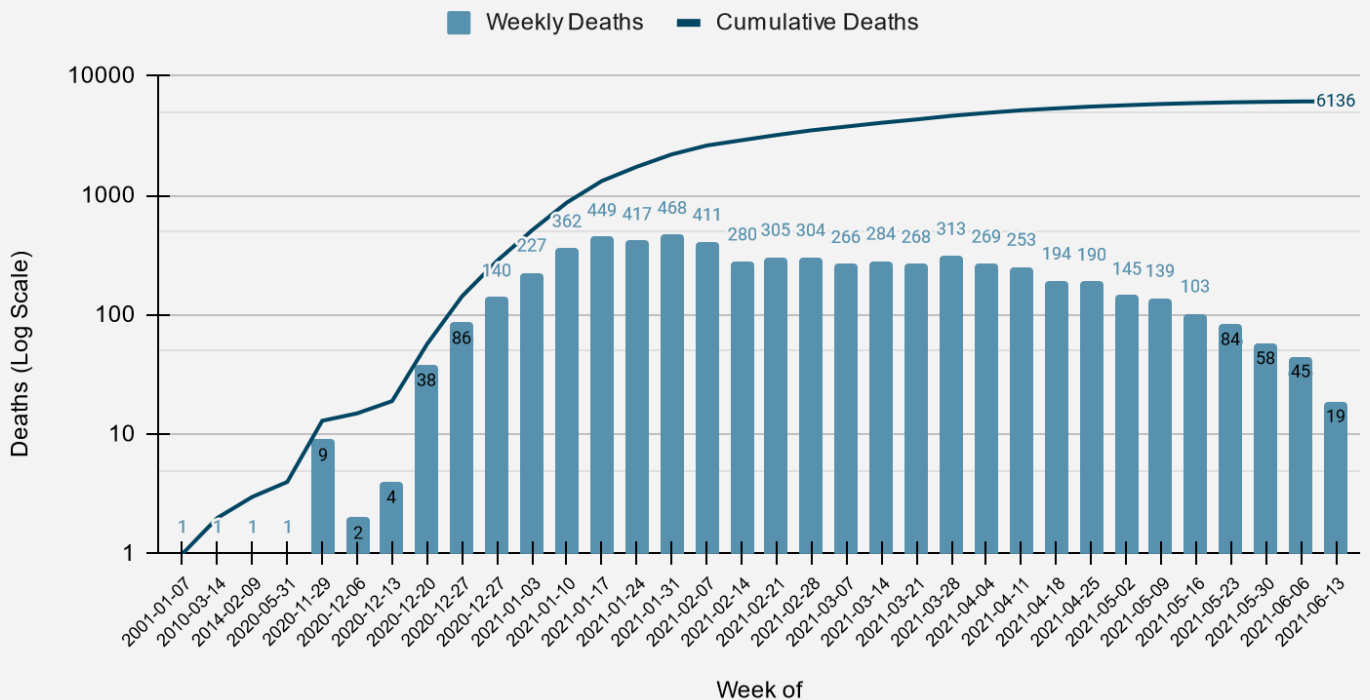
High-Level Summary	COVID19 vaccines (Dec'2020 - present)	All other vaccines 2004-present	All other vaccines 1990-present
Number of Adverse Reactions	387,287	632,536	808,121
Number of Life-Threatening Events	6,449	9,632	13,239
Number of Hospitalizations	21,806	59,239	77,107
Number of Deaths	6,136*	6,048*	8,759
# of Permanent Disabilities after vaccination	5,194	13,259	18,699
Number of Office Visits	72,586	41,146	41,218
# of Emergency Room/Department Visits	51,527	141,931	208,393
# of Birth Defects after vaccination	191	123	125

\*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 2004.

## Deaths

### Reported Deaths by Week, COVID19 Vaccines

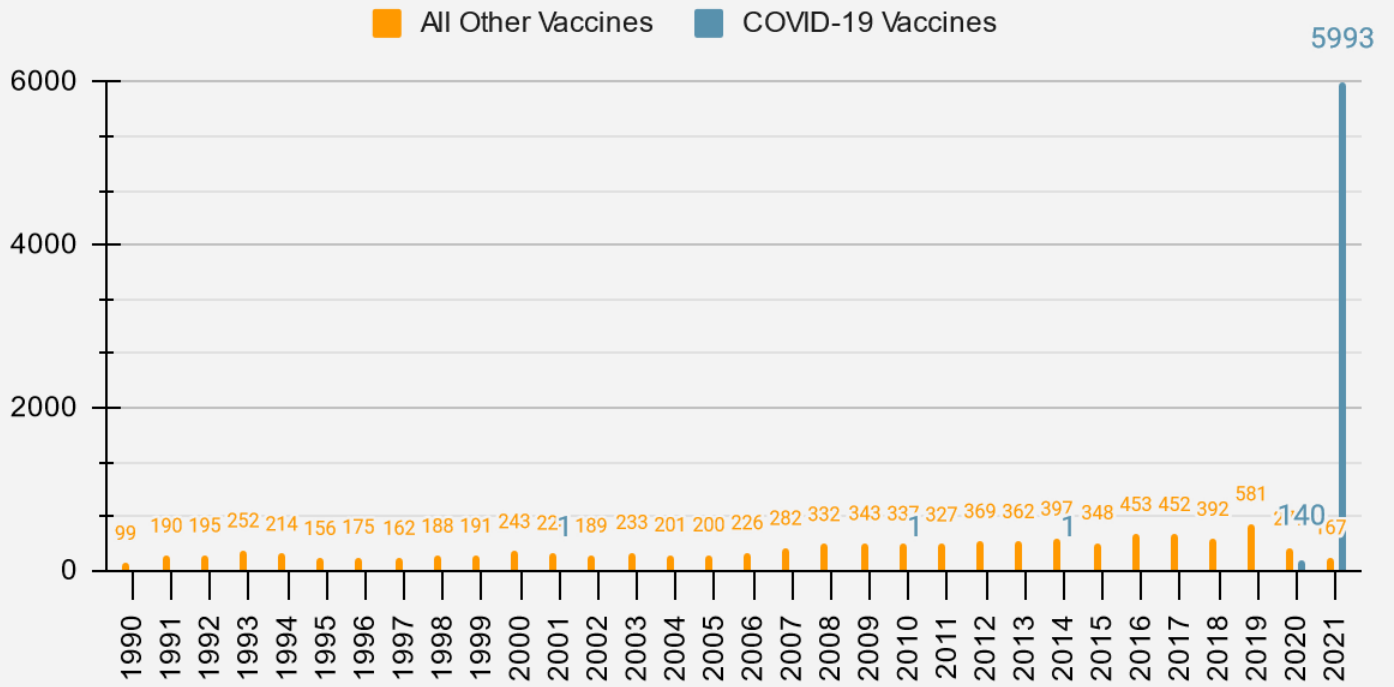
Data Obtained from CDC's VAERS



[Note that counts for weeks 2001-01-07, 2010-03-14, 2014-02-09, AND 2020-05-31 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 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

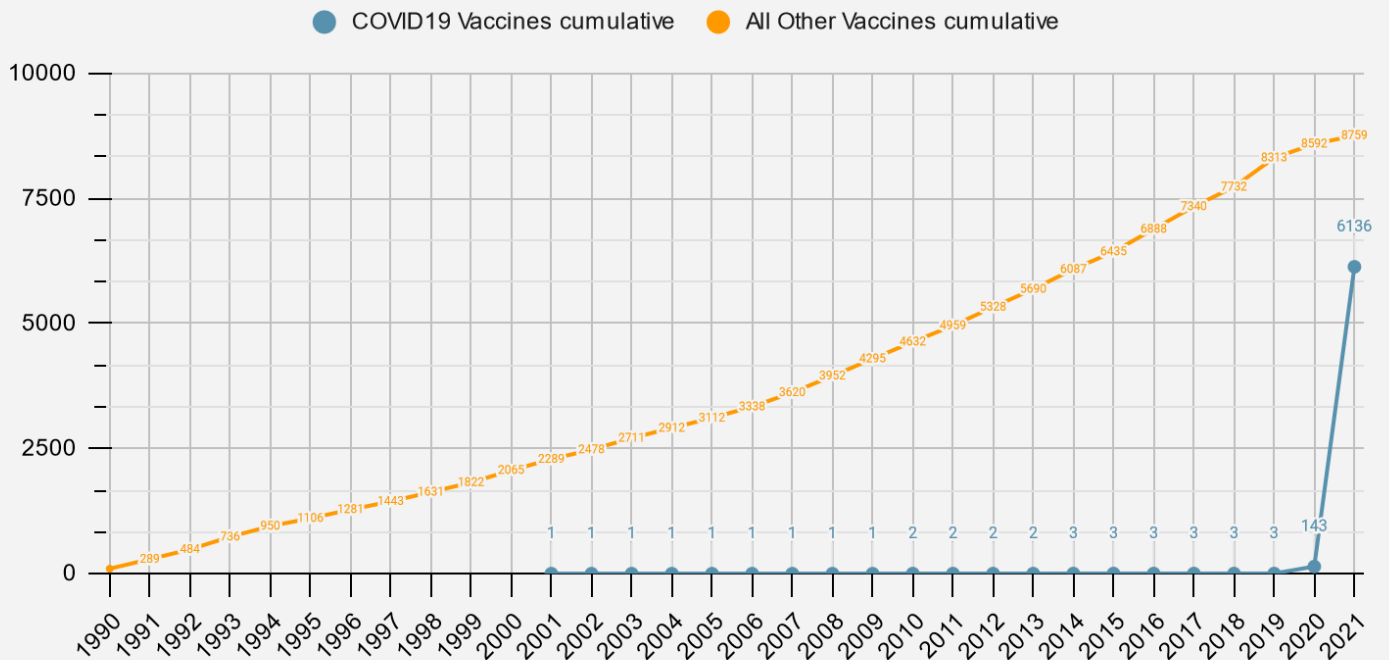
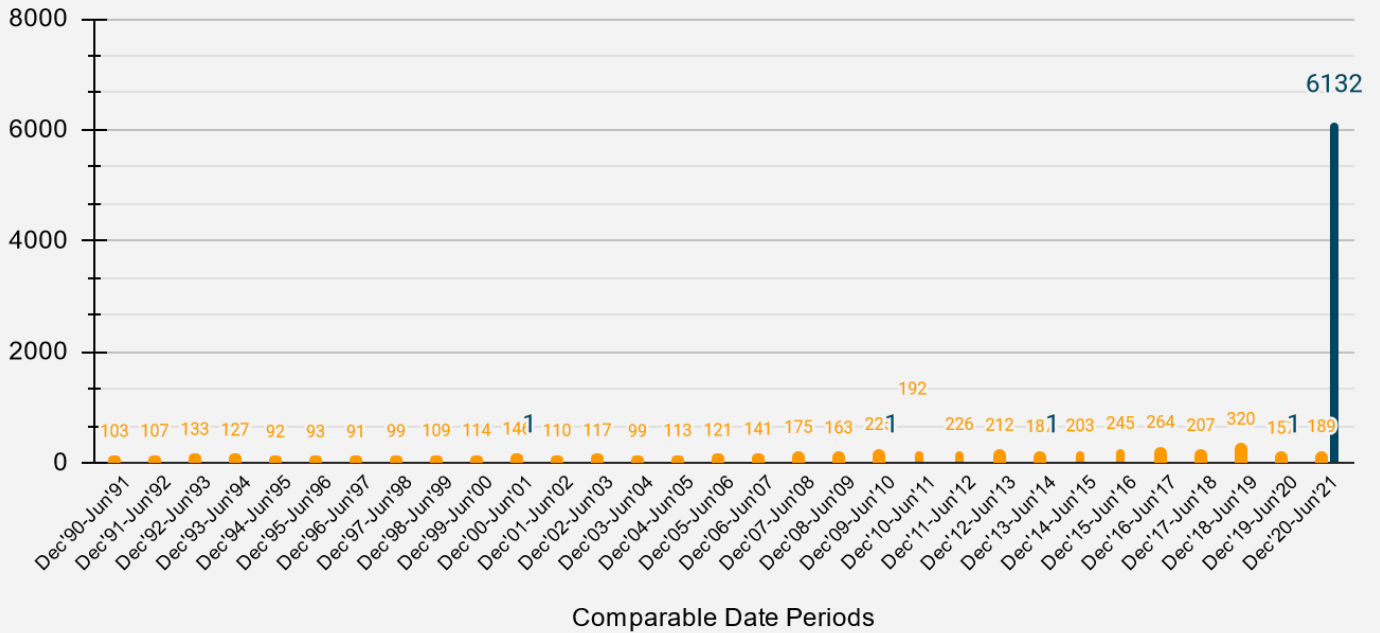


Chart below using comparable 6 month periods, since Covid-19 vaccines have only been available for approximately 6 months:

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

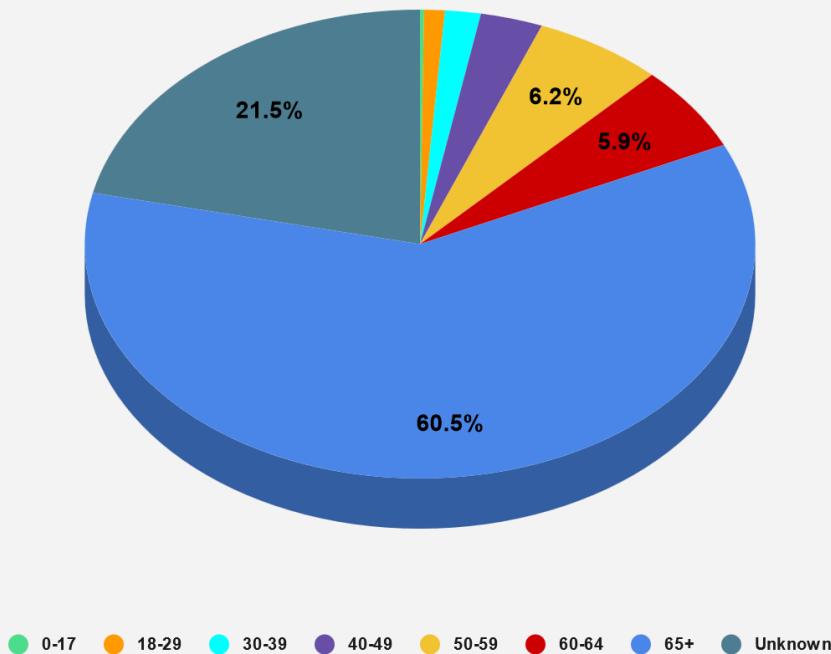
Data obtained from CDC's VAERS

■ All Other Vaccines
 ■ COVID19 Vaccines



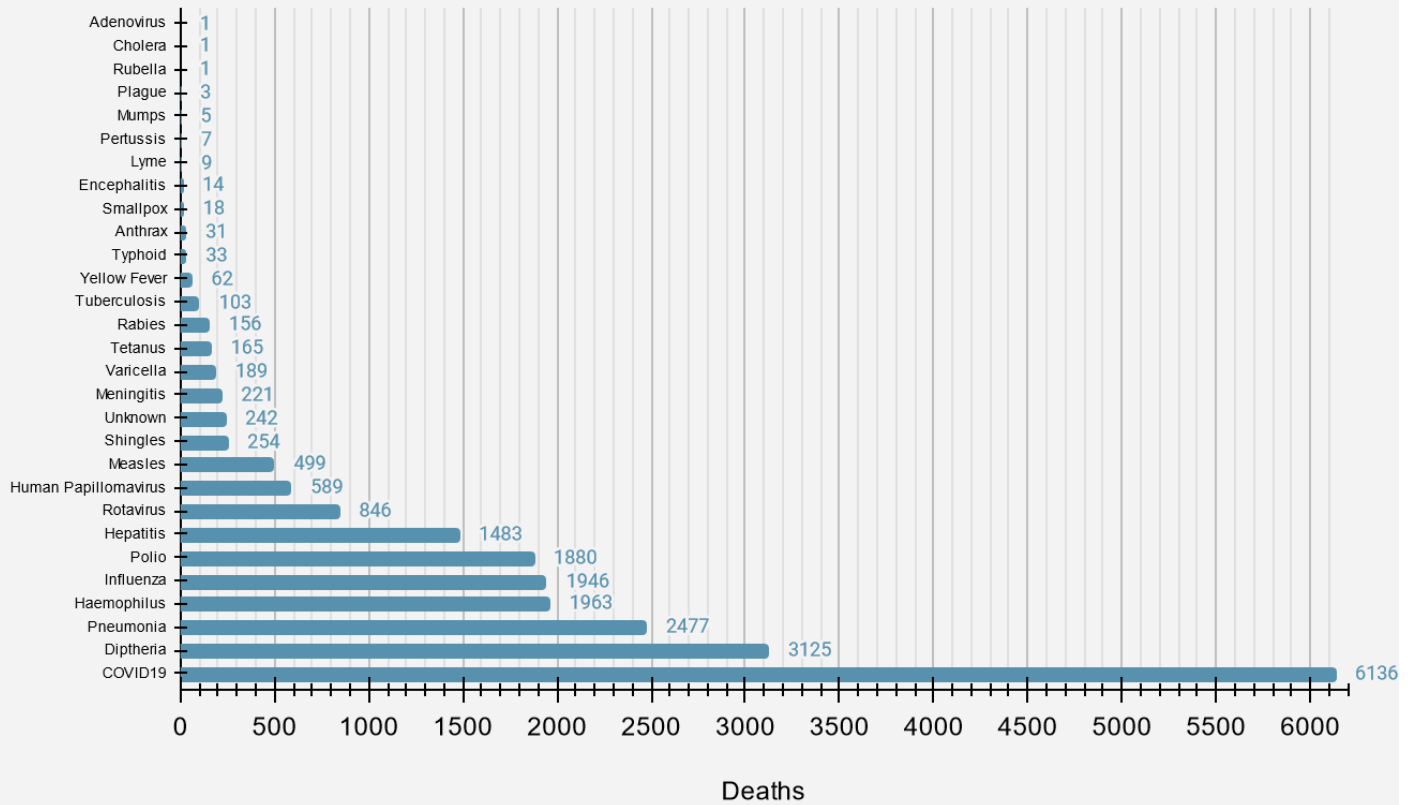
## Age Distribution of Reported Deaths After COVID19 Vaccination

Data obtained from CDC's VAERS



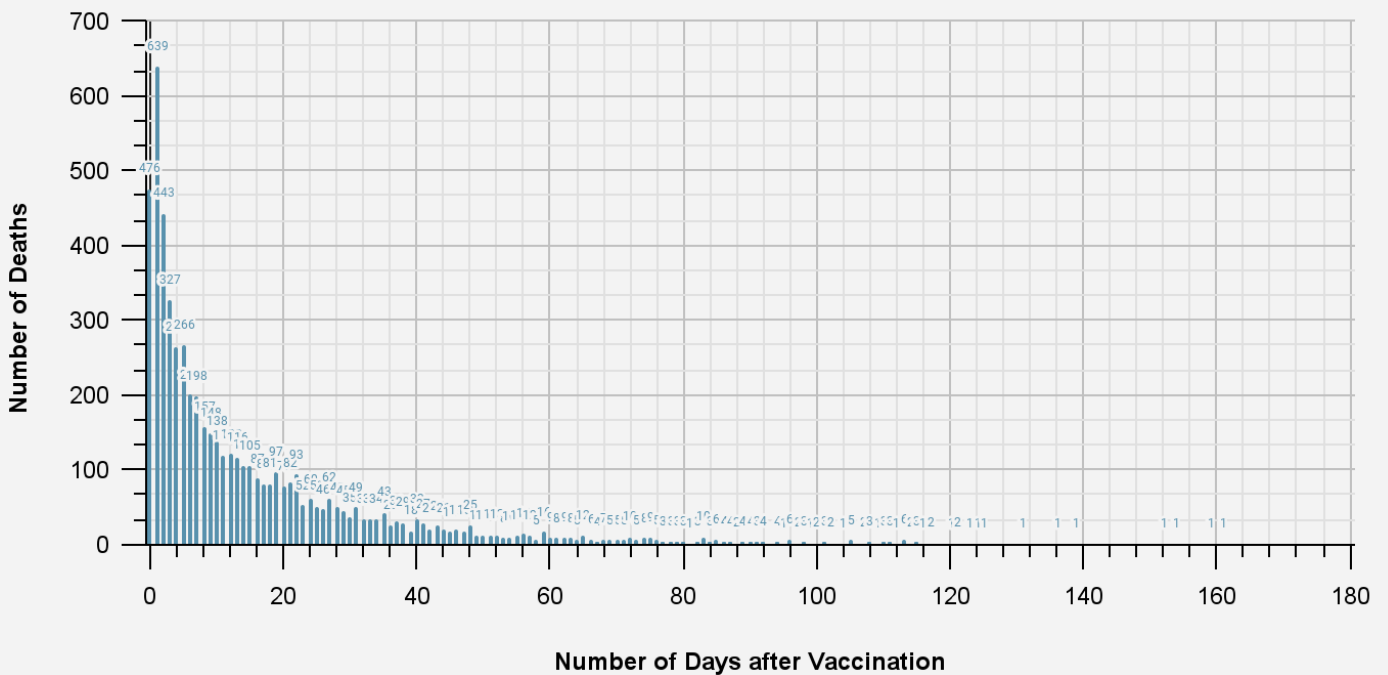
# Reported Deaths By Vaccine Type, 1990-Present

Data Obtained from CDC's VAERS



# Number of Deaths by Days After COVID19 Vaccination

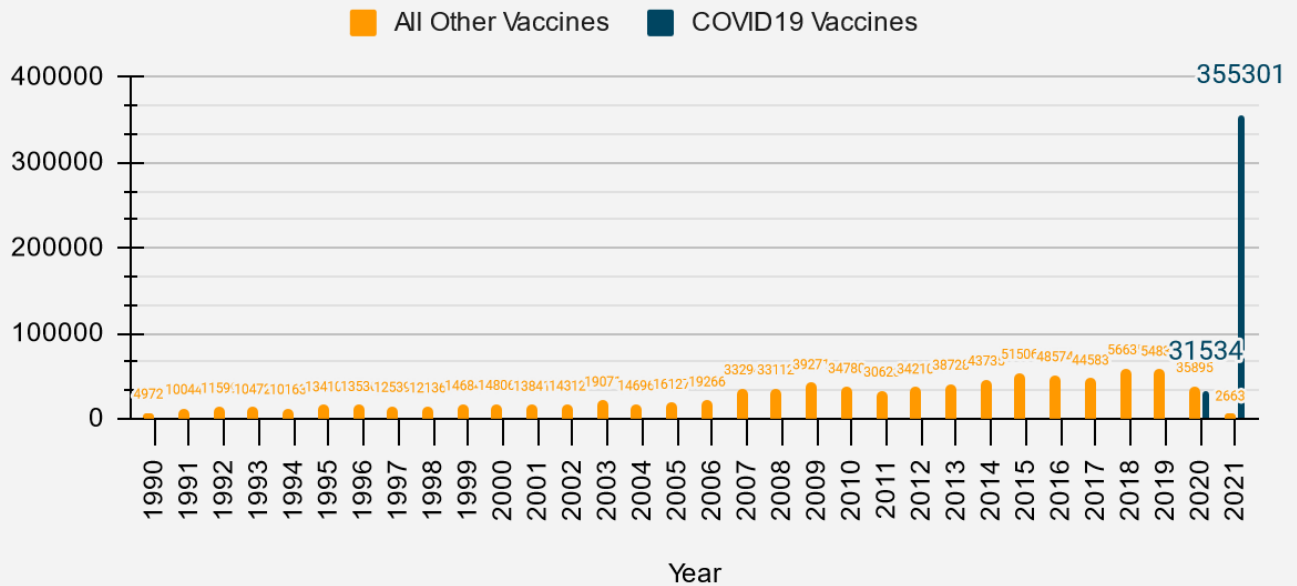
Data obtained from CDC's VAERS



# Adverse Events

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

Data obtained from CDC's VAERS

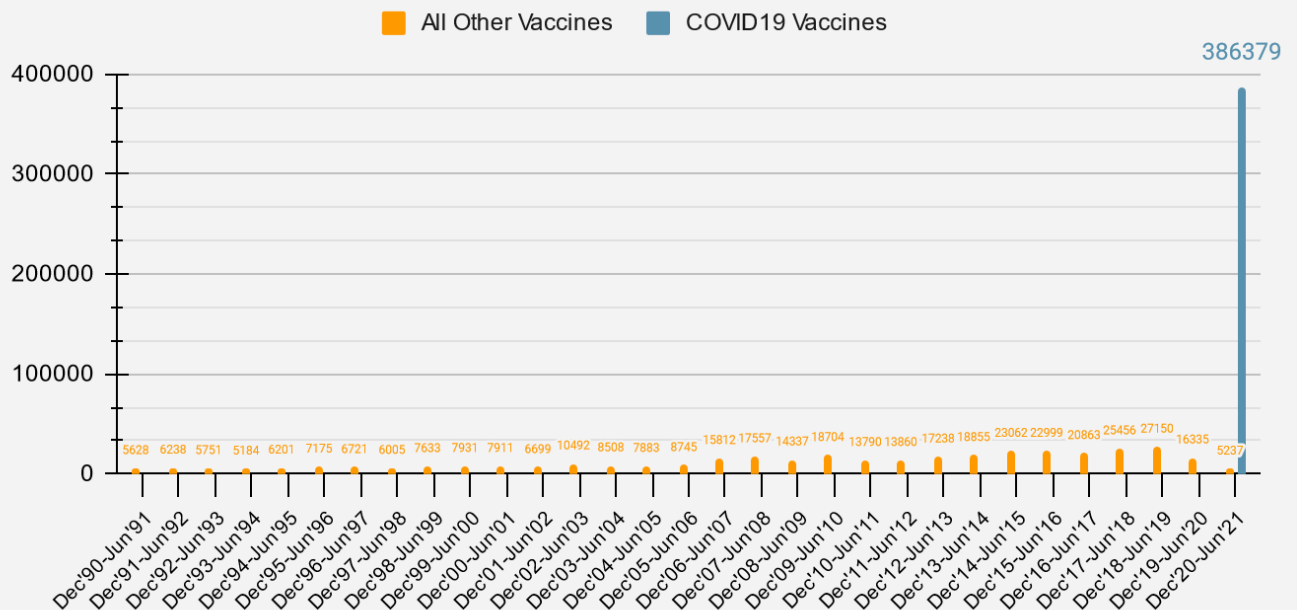


[Note that 452 records for COVID19 were scattered throughout years earlier than 2020 due to incorrect date data in the VAERS system]

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 908 records for COVID19 were scattered throughout periods earlier than Dec'20-Jun'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/ encepholopathy
  - 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	349	7
Acute Disseminated Encephalomyelitis	19	0
Transverse Myelitis	120	0
Encephalitis	342	38
Convulsions/Seizures	4089	102
Stroke	3401	299
Narcolepsy, Cataplexy	48	0
Anaphylaxis	18840	44
Acute Myocardial Infarction (Heart Attack)	876	280
Myocarditis/Pericarditis	1340	10
Autoimmune Disease	210	7
Other Acute Demyelinating Diseases	51	1
Pregnancy and birth outcomes (Miscarriages)	728	9
Other Allergic Reactions	494	0
Thrombocytopenia	656	56
Disseminated Intravascular Coagulation	36	13
Venous Thromboembolism	4374	209
Arthritis and Arthralgia/Joint Pain	24483	41
Kawasaki Disease	9	0
Systemic Inflammatory Response Syndrome	177	7

## 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 <sup>[1]</sup>	91	1 in 1,840,083	0.000054%
COVID19	167,733,972 <sup>[2]</sup>	5,863	1 in 28,609	0.003495%
<b>Risk of dying from COVID vaccine is 64.3 times greater than Flu Vaccine</b>				

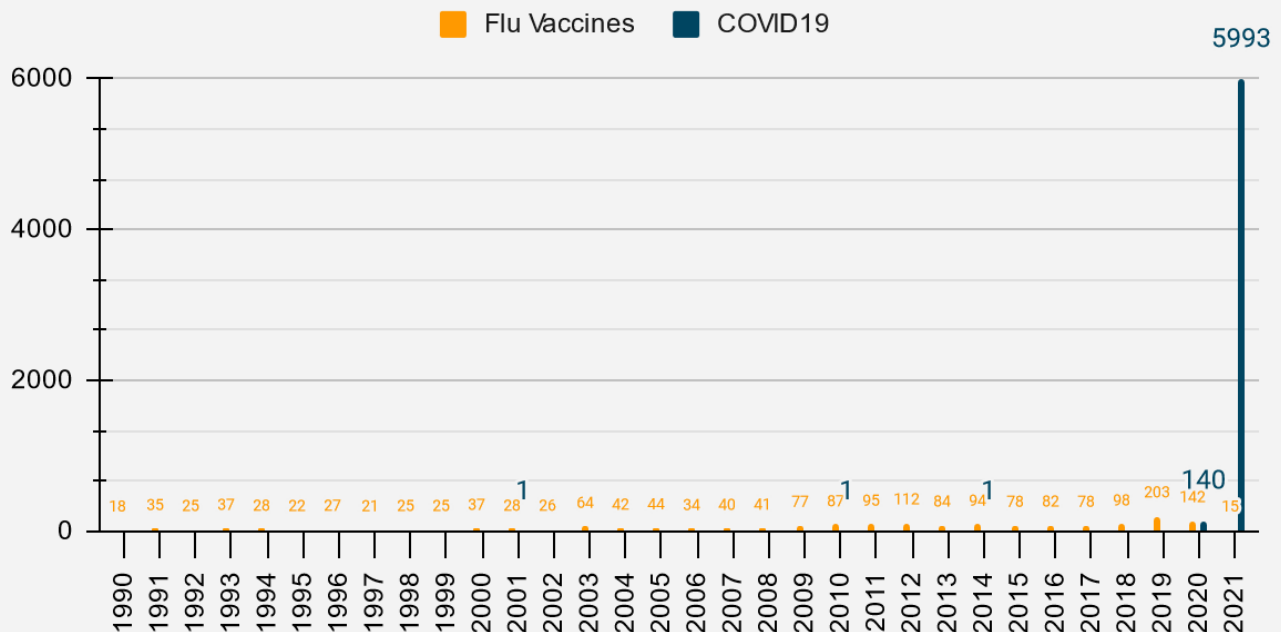
Vaccine Type	# of Vaccinations	# of Adverse Reactions	Risk of Adverse Reaction	Percentage
Flu	167,447,642	10,433	1 in 16,050	0.006231%
COVID19	167,733,972	327,579	1 in 512	0.1953%
<b>Risk of adverse reaction from COVID vaccine is 31.3 times greater than Flu Vaccine</b>				

[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](#)

### 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)	436	7.1%	3.89	112	2/26/2021
Moderna	2337	38.06%	12.84	182	12/18/2020
Pfizer/Biontech	3341	54.41%	17.68	189	12/11/2020
Unknown	26	0.42%			

Manufacturer	# of Adverse Events	% AEs	Average AEs/Day	Days since EUA approval	EUA Approval Date
Janssen (JNJ)	40454	10.44%	361.2	112	2/26/2021
Moderna	175428	45.26%	963.89	182	12/18/2020
Pfizer/Biontech	170784	44.06%	903.62	189	12/11/2020
Unknown	953	0.25%			

## Vaccine Data by Gender

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

All Data Obtained from CDC's VAERS

