

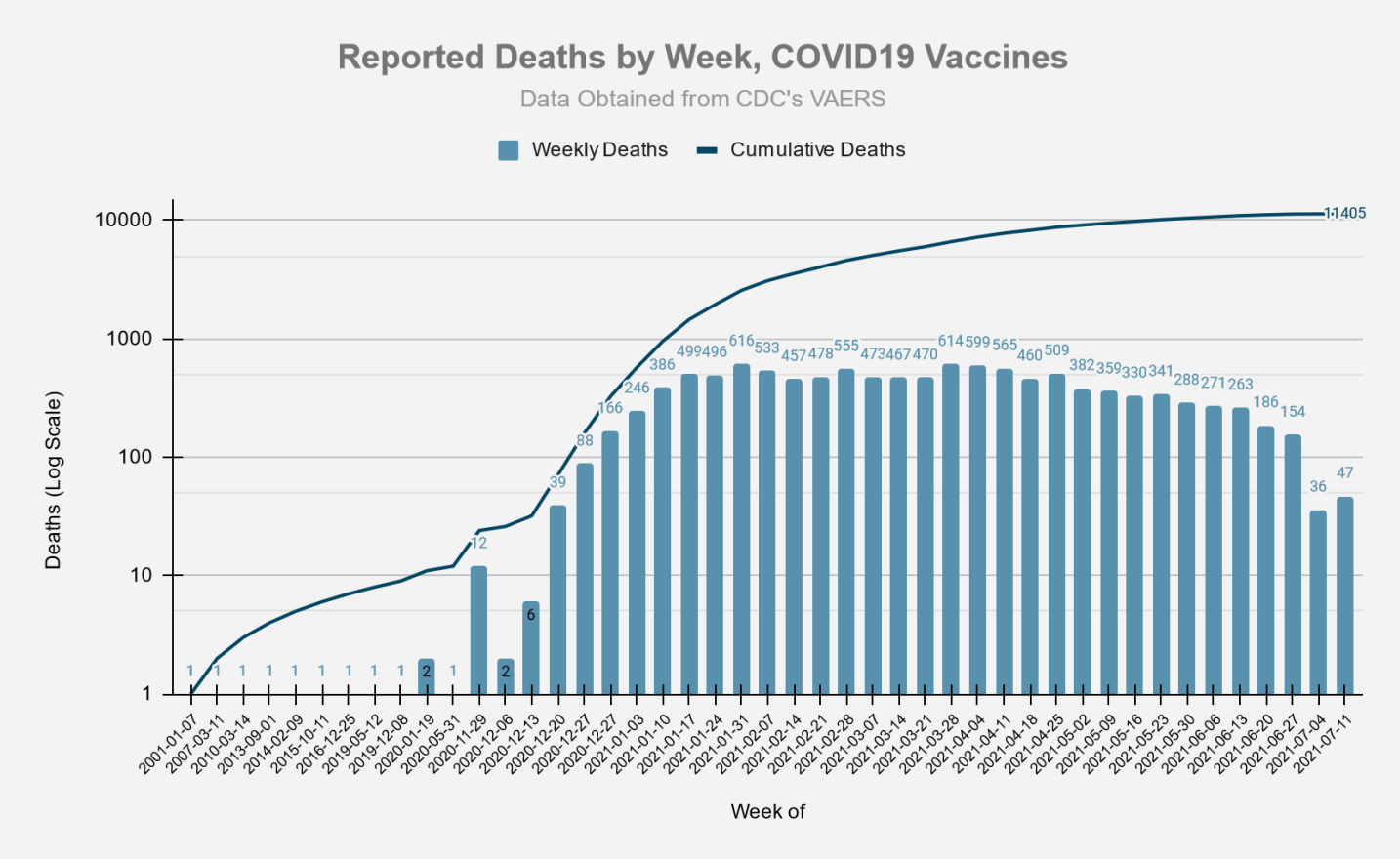
# VAERS Summary for COVID-19 Vaccines through 7/16/2021

All charts and tables below reflect the data release on 7/23/2021 from the VAERS website, which includes U.S. and foreign data, and is updated through: **7/16/2021**.

High-Level Summary	COVID19 vaccines (Dec'2020 - present)	All other vaccines 1990-present
Number of Adverse Reactions	491,218	809,953
Number of Life-Threatening Events	10,223	13,316
Number of Hospitalizations	36,117	77,404
Number of Deaths	11,405*	8,841*
# of Permanent Disabilities after vaccination	11,221	18,841
Number of Office Visits	85,634	41,542
# of Emergency Room/Department Visits	62,284	208,616
# of Birth Defects after vaccination	277	131

\*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

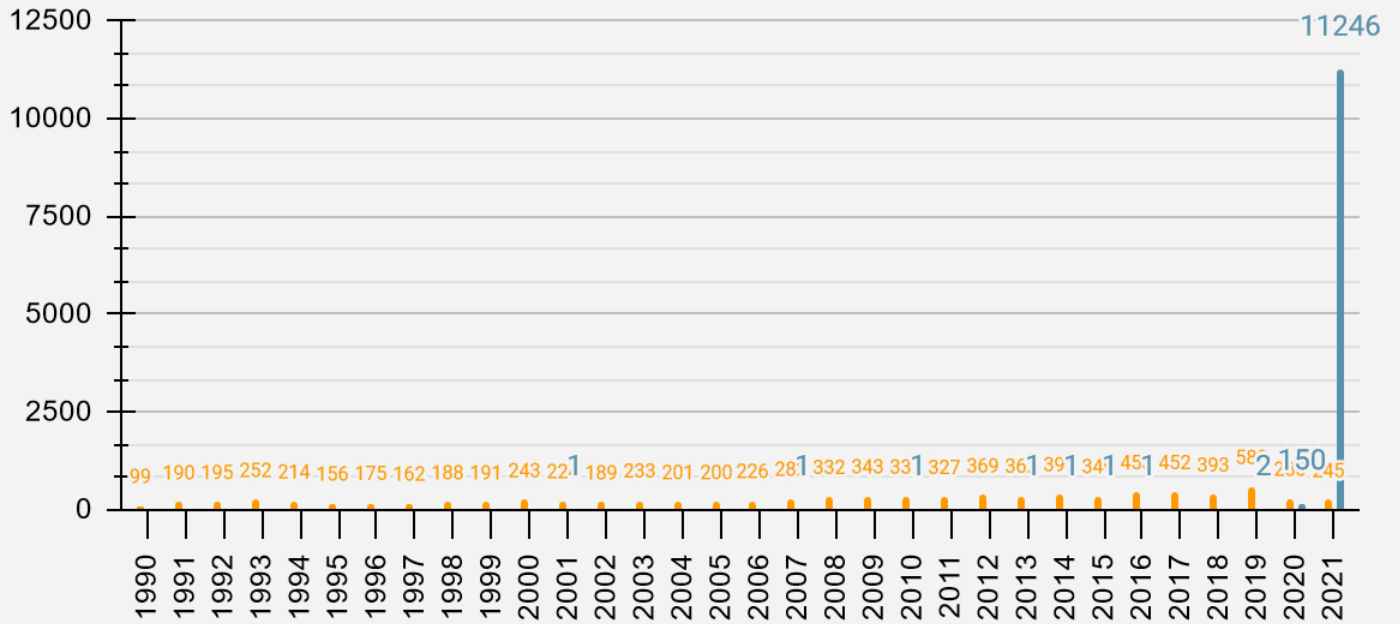


[Note that the single counts before 2020-11-29 are due to incorrect date data in the VAERS system]

# 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

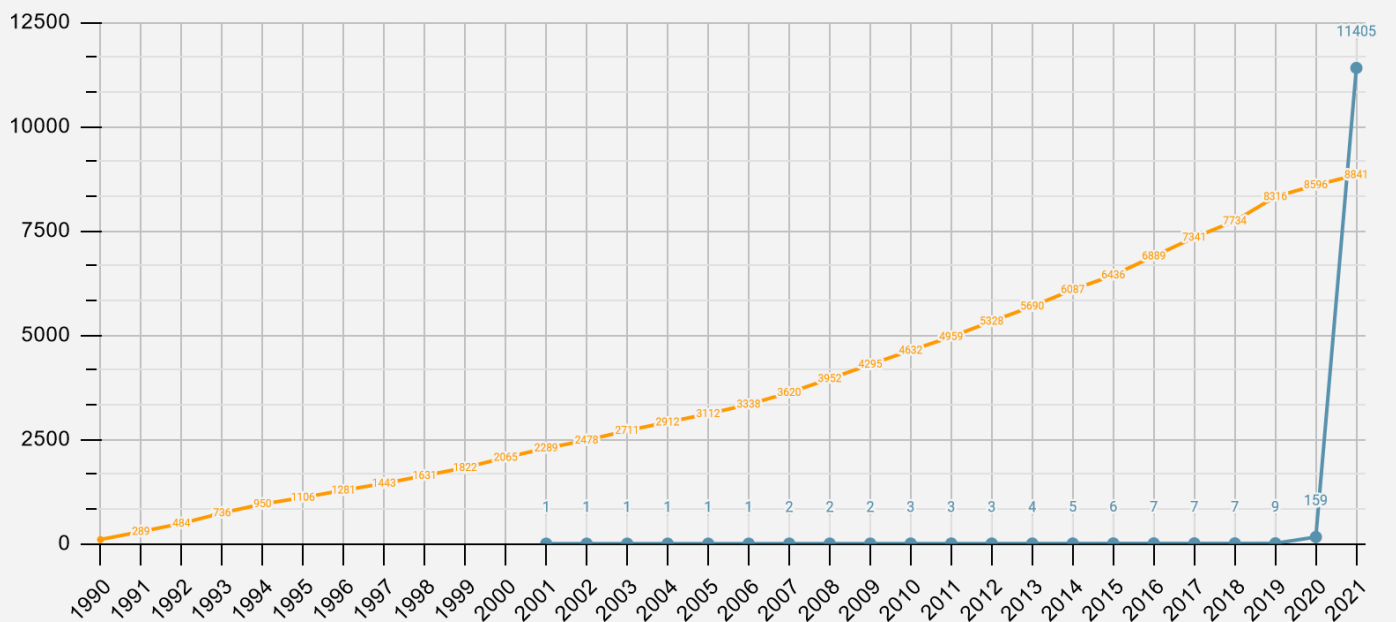
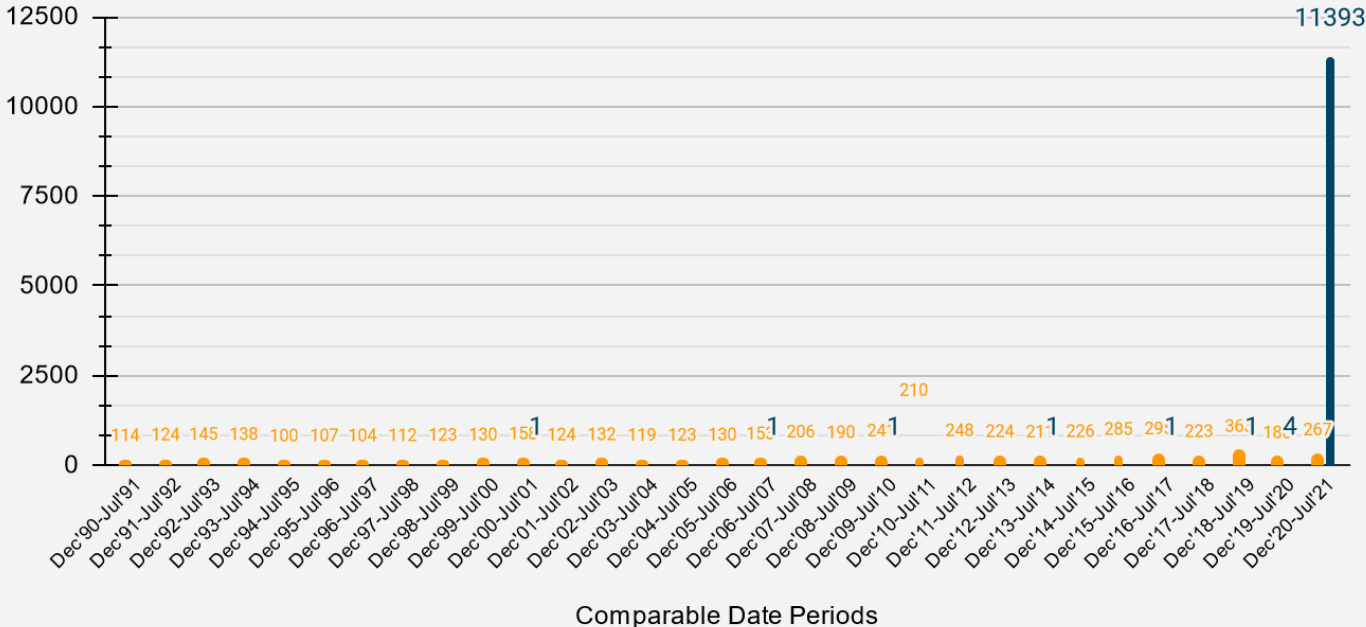


Chart below using comparable 7 month periods, since Covid-19 vaccines have only been available for approximately 7 months:

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

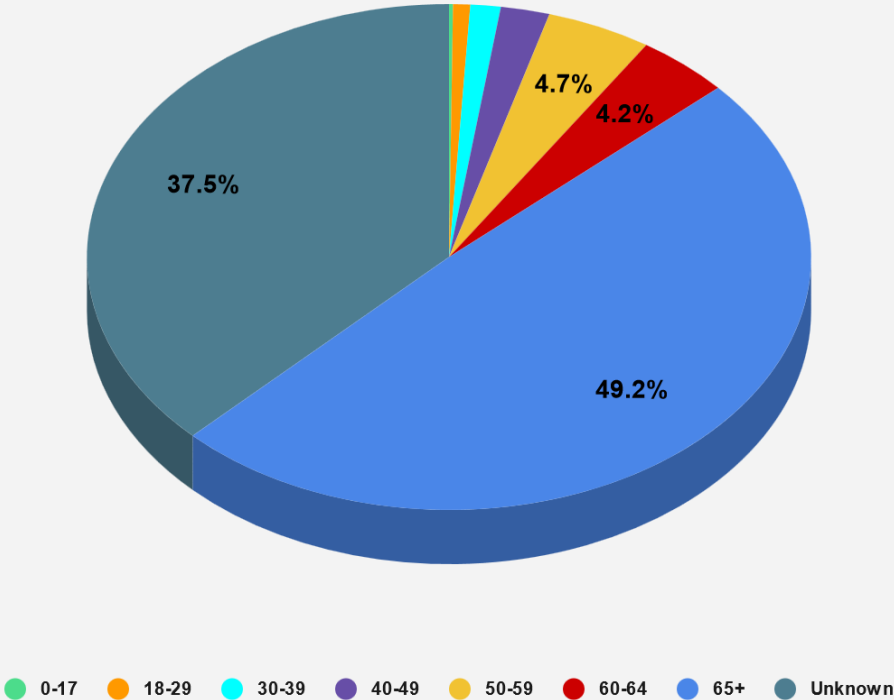
Data obtained from CDC's VAERS

■ All Other Vaccines
 ■ COVID19 Vaccines



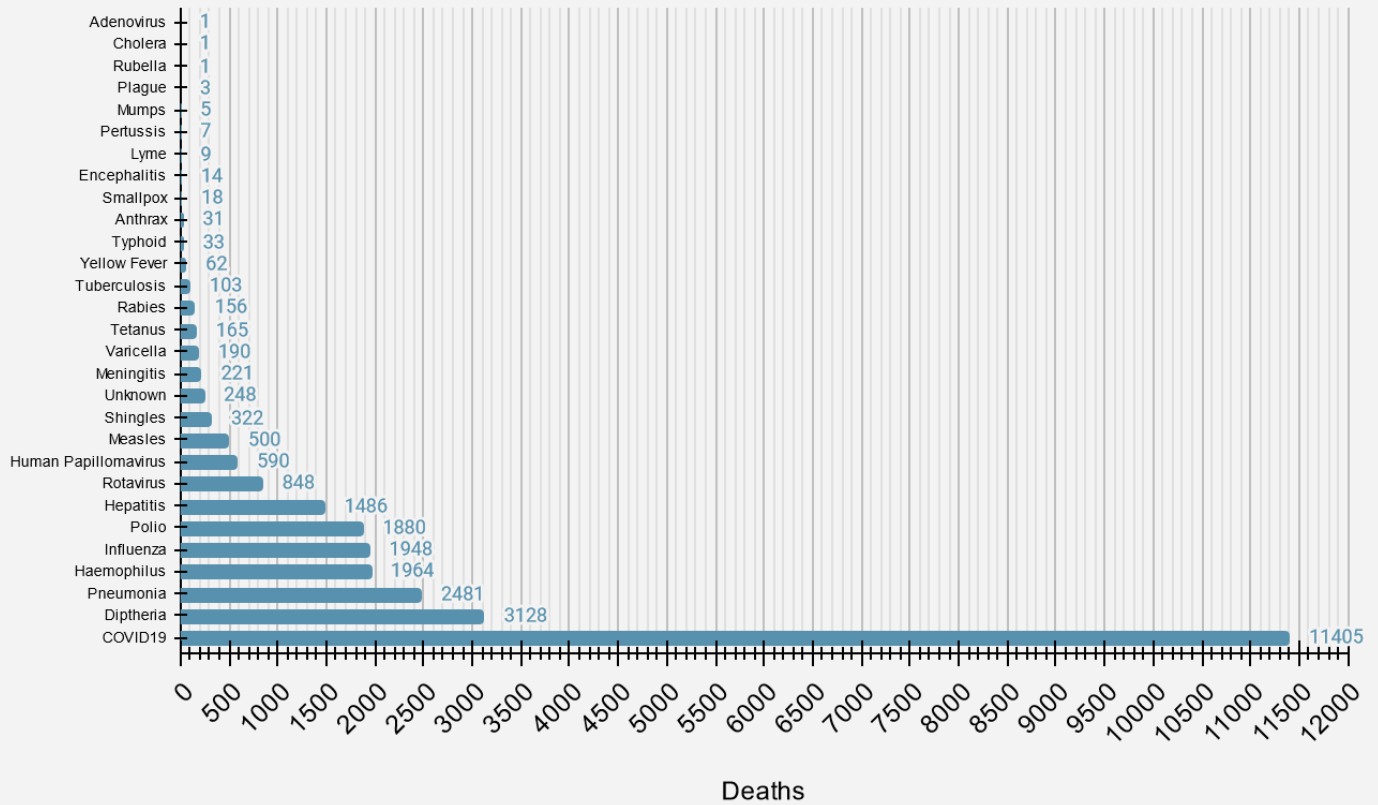
# Age Distribution of Reported Deaths After COVID19 Vaccination

Data obtained from CDC's VAERS



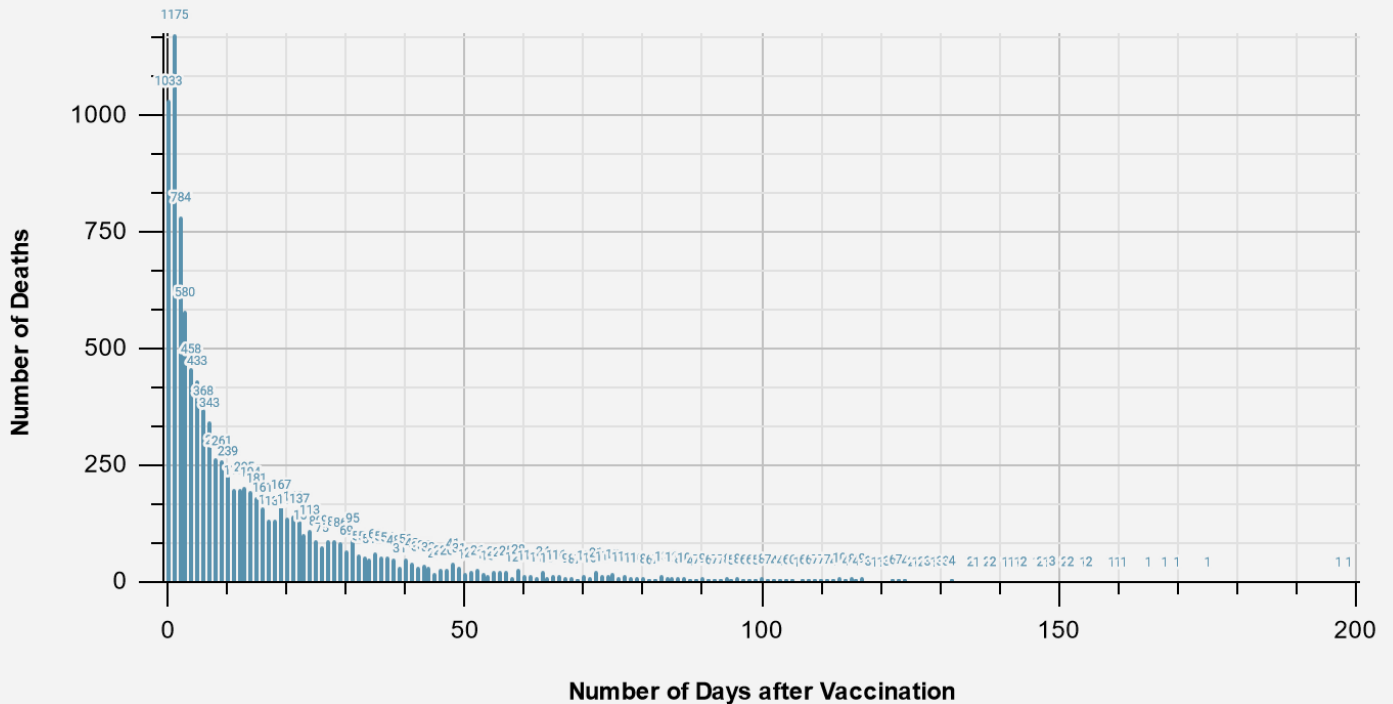
# Reported Deaths By Vaccine Type, 1990-Present

Data Obtained from CDC's VAERS



# Number of Deaths by Days After COVID19 Vaccination

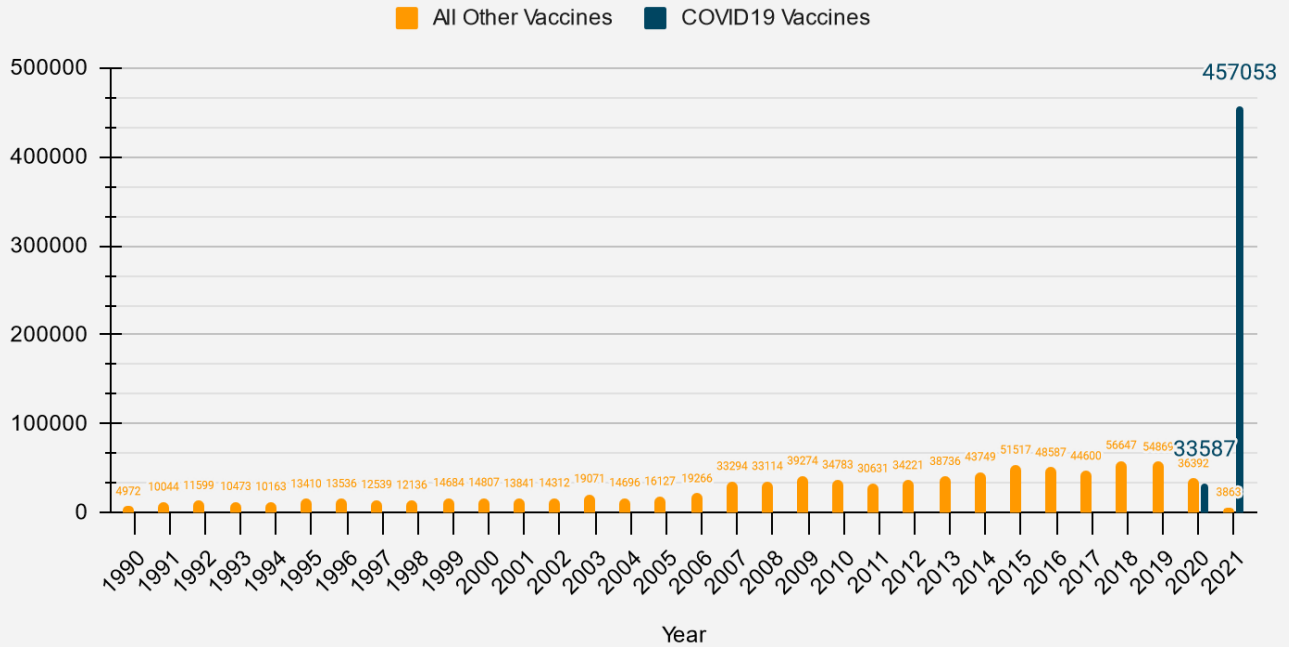
Data obtained from CDC's VAERS



# Adverse Events

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

Data obtained from CDC's VAERS

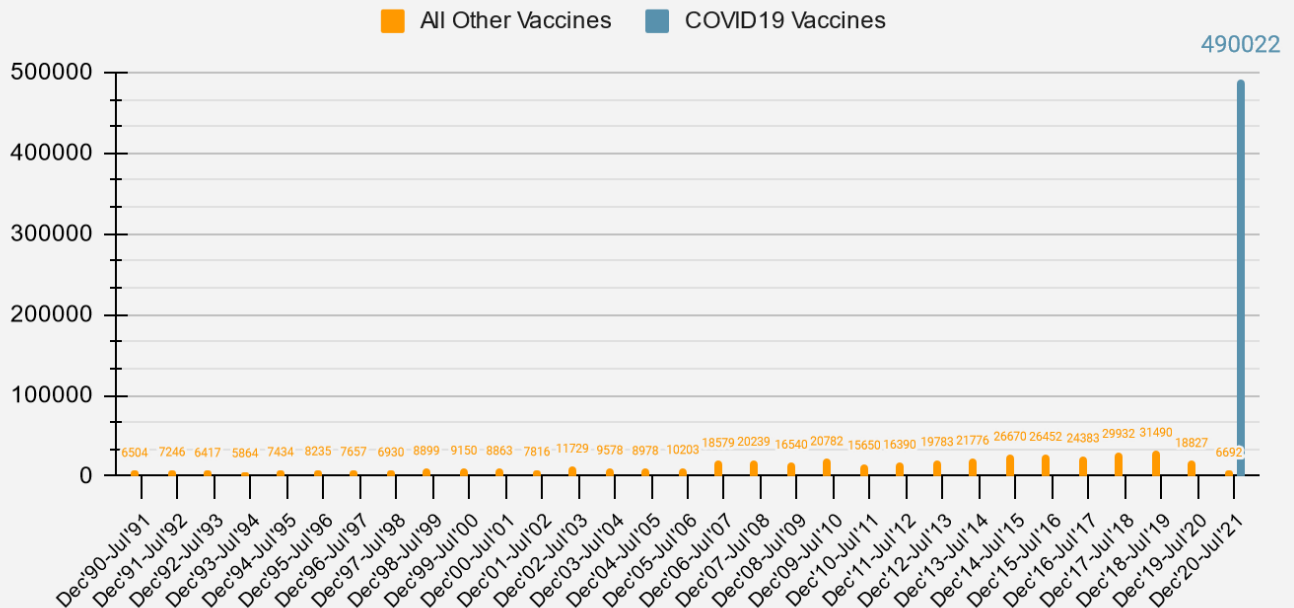


[Note that 578 records for COVID19 were scattered throughout years earlier than 2020 due to incorrect date data in the VAERS system]

Chart below using comparable 7 month periods, since Covid-19 vaccines have only been available for approximately 7 months:

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

Data Obtained from CDC's VAERS



[Note that 1196 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/ 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	554	14
Acute Disseminated Encephalomyelitis	36	1
Transverse Myelitis	163	0
Encephalitis	520	65
Convulsions/Seizures	5961	198
Stroke	5437	655
Narcolepsy, Cataplexy	81	2
Anaphylaxis	23517	105
Acute Myocardial Infarction (Heart Attack)	1361	575
Myocarditis/Pericarditis	2272	41
Autoimmune Disease	359	12
Other Acute Demyelinating Diseases	84	1
Pregnancy and birth outcomes (Miscarriages)	1143	27
Other Allergic Reactions	753	0
Thrombocytopenia	1336	148
Disseminated Intravascular Coagulation	57	25
Venous Thromboembolism	7030	514
Arthritis and Arthralgia/Joint Pain	32732	87
Kawasaki Disease	17	0
Systemic Inflammatory Response Syndrome	257	15

## 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>	10,223	1 in 16,408	0.006095%
<b>Risk of dying from COVID vaccine is 112.1 times greater than Flu Vaccine</b>				

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	467,834	1 in 359	0.2789%
<b>Risk of adverse reaction from COVID vaccine is 44.7 times greater than Flu Vaccine</b>				

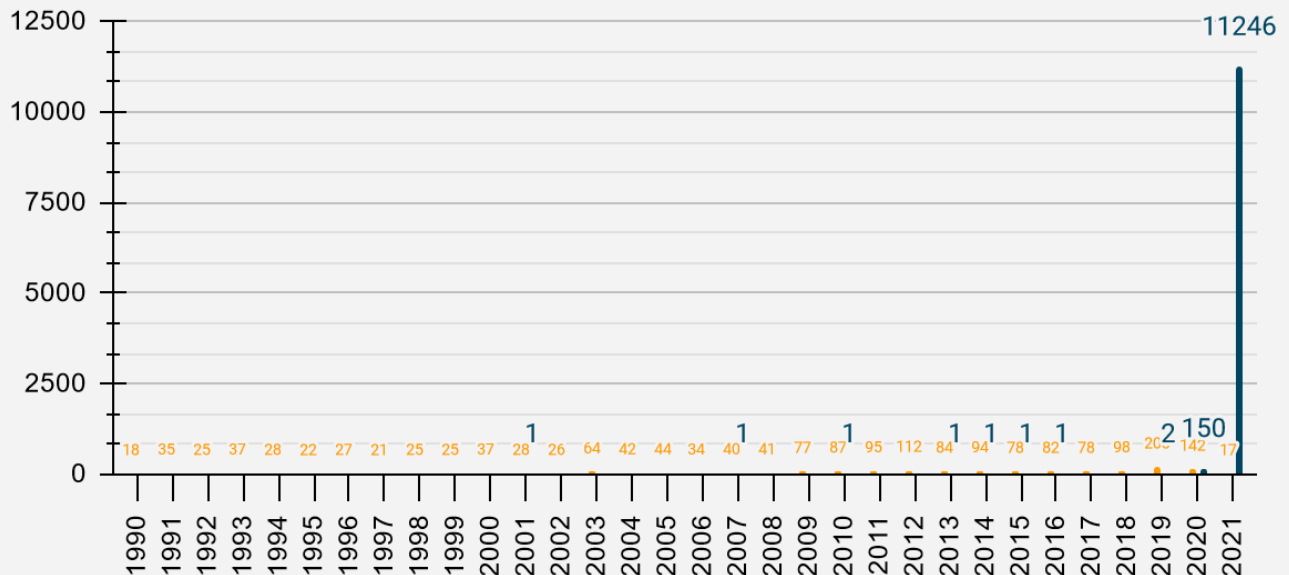
[1] number of flu vaccinations based on estimated flu vaccine coverage data from [CDC](#) and estimated population data from [US Census](#). Yearly flu vaccination data covers a period of time from 7/1 to 5/31 of the following year.

[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

■ Flu Vaccines    ■ COVID19





## Vaccine Data by Manufacturer

Manufacturer	# of Deaths	% Deaths	Average Deaths/Day	Days since EUA approval	EUA Approval Date
Janssen (JNJ)	596	5.22%	4.26	140	2/26/2021
Moderna	3013	26.4%	14.35	210	12/18/2020
Pfizer/Biontech	7770	68.09%	35.81	217	12/11/2020
Unknown	32	0.28%			

Manufacturer	# of Adverse Events	% AEs	Average AEs/Day	Days since EUA approval	EUA Approval Date
Janssen (JNJ)	44237	9%	315.98	140	2/26/2021
Moderna	193724	39.4%	922.5	210	12/18/2020
Pfizer/Biontech	252561	51.37%	1163.88	217	12/11/2020
Unknown	1116	0.23%			

## Vaccine Data by Gender

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

All Data Obtained from CDC's VAERS

