

# VAERS Summary for COVID-19 Vaccines through 2/24/2023

All charts and tables below reflect the data release on 3/03/2023 from the VAERS website, which includes U.S. and foreign data, and is updated through: **2/24/2023**.

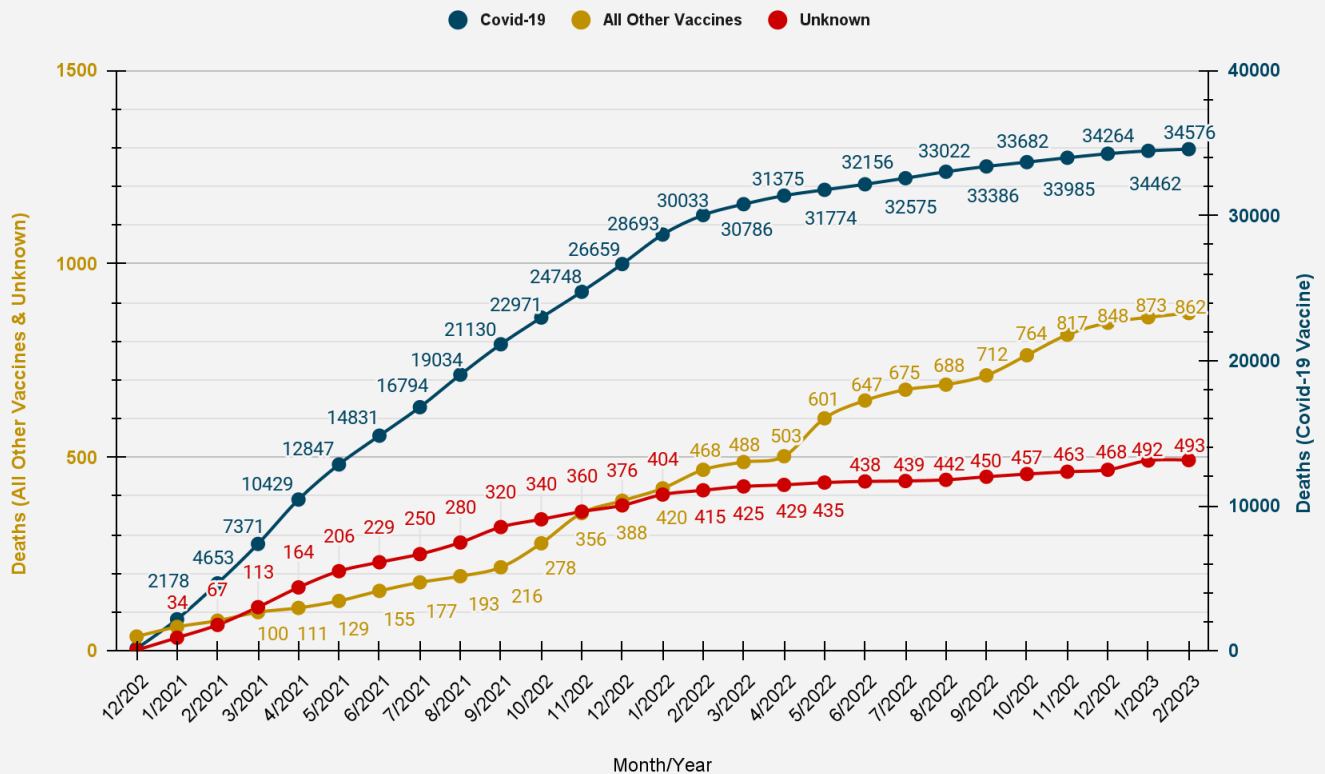
| High-Level Summary                            | COVID19 vaccines (Dec'2020 - present) | All other vaccines 1990-present | US Data Only COVID19 vaccines (Dec'2020 - present) | US Data Only All other vaccines 1990-present |
|---|---------------------------------------|---------------------------------|--|--|
| Number of Adverse Reactions                   | 1,527,371                             | 923,596                         | 940,017  | 801,857                                      |
| Number of Life-Threatening Events             | 36,812                                | 15,034                          | 14,163   | 10,220                                       |
| Number of Hospitalizations                    | 193,319                               | 87,312                          | 76,385   | 40,340                                       |
| Number of Deaths                              | 34,576*                               | 10,191*                         | 17,024   | 5,527  |
| # of Permanent Disabilities after vaccination | 63,862                                | 21,905                          | 16,391   | 13,495                                       |
| Number of Office Visits                       | 226,310                               | 57,819                          | 186,459  | 55,092                                       |
| # of Emergency Room/Department Visits         | 147,025                               | 216,391                         | 112,974  | 206,413                                      |
| # of Birth Defects after vaccination          | 1,237                                 | 217                             | 579  | 116  |

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

## Deaths

### Cumulative Reported Deaths After Vaccination - 2 Year Summary

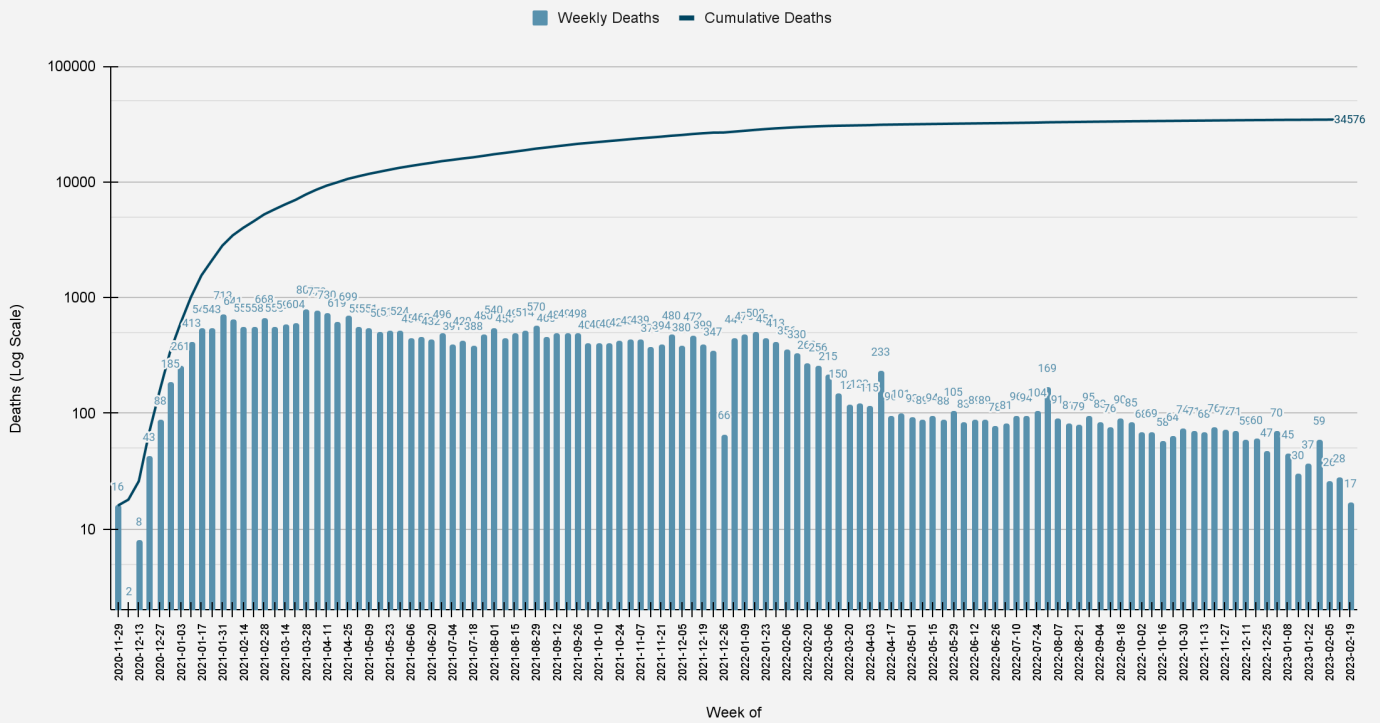
Data obtained from CDC's VAERS



[Unknowns separated from All Other Vaccines for greater clarity; in a majority of cases the Unknowns are actually Covid-19]

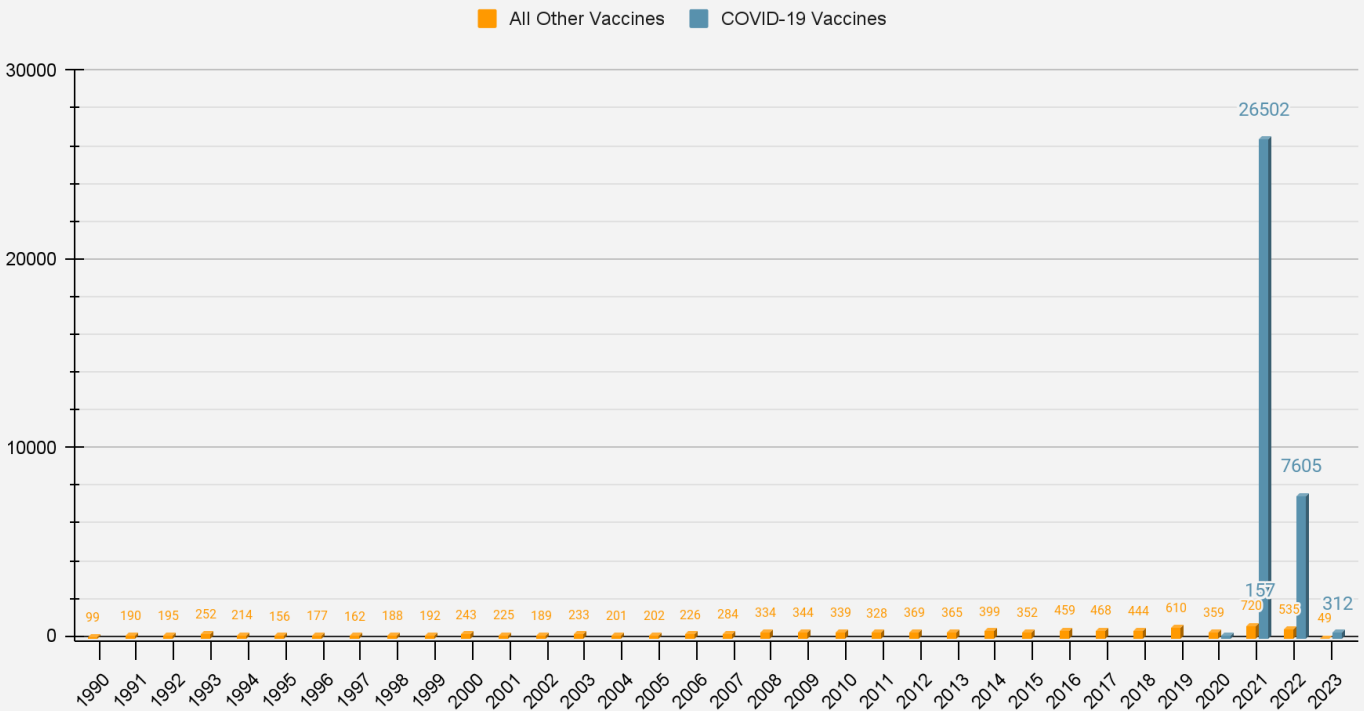
## Reported Deaths by Week, COVID19 Vaccines

Data Obtained from CDC's VAERS



## Reported Deaths by Year, COVID19 vs. All Other Vaccines

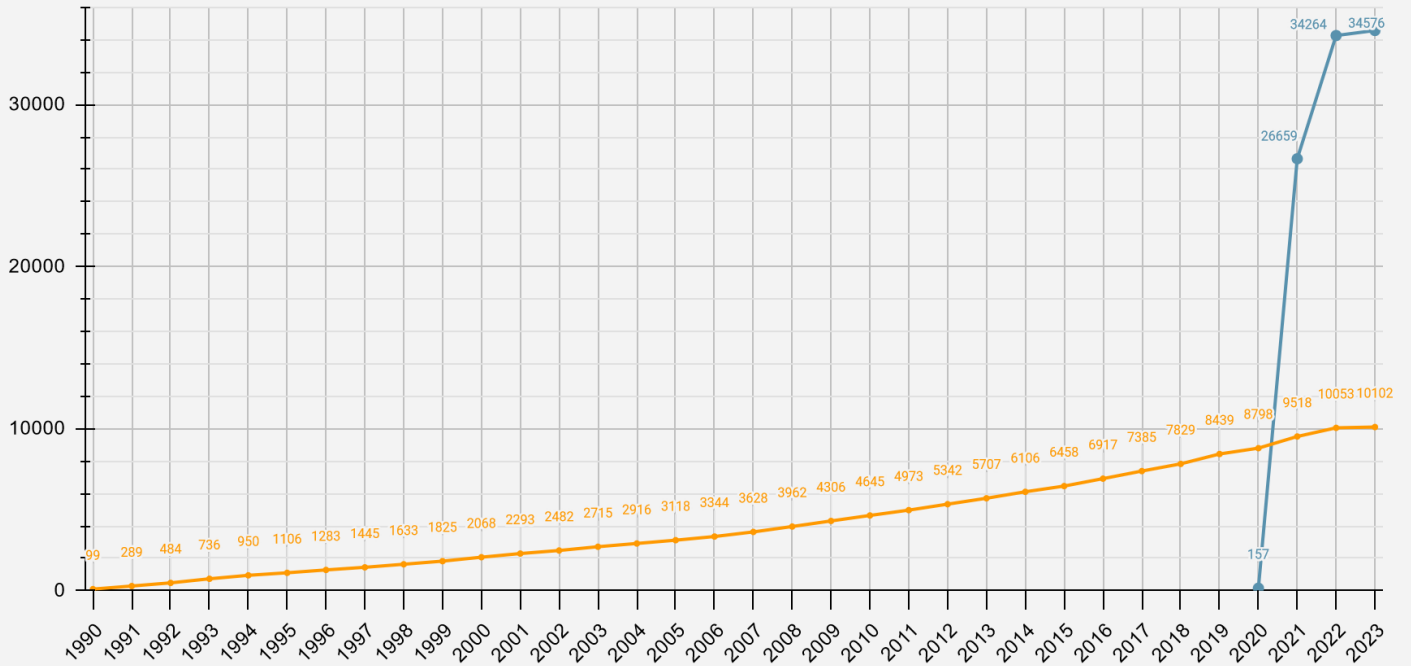
Data Obtained from CDC's VAERS



# Reported Deaths by Year, COVID19 vs. All Other Vaccines, Cumulatively

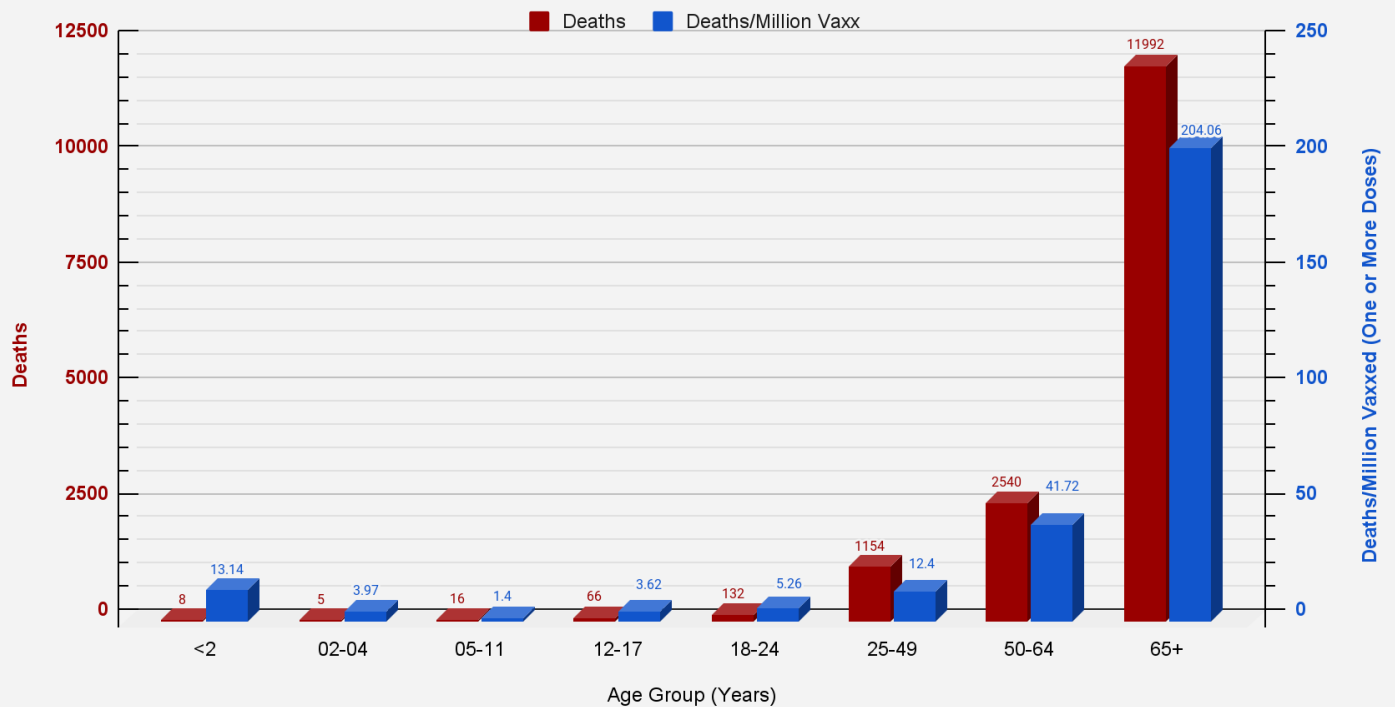
Data Obtained from CDC's VAERS

● COVID19 Vaccines cumulative ● All Other Vaccines cumulative



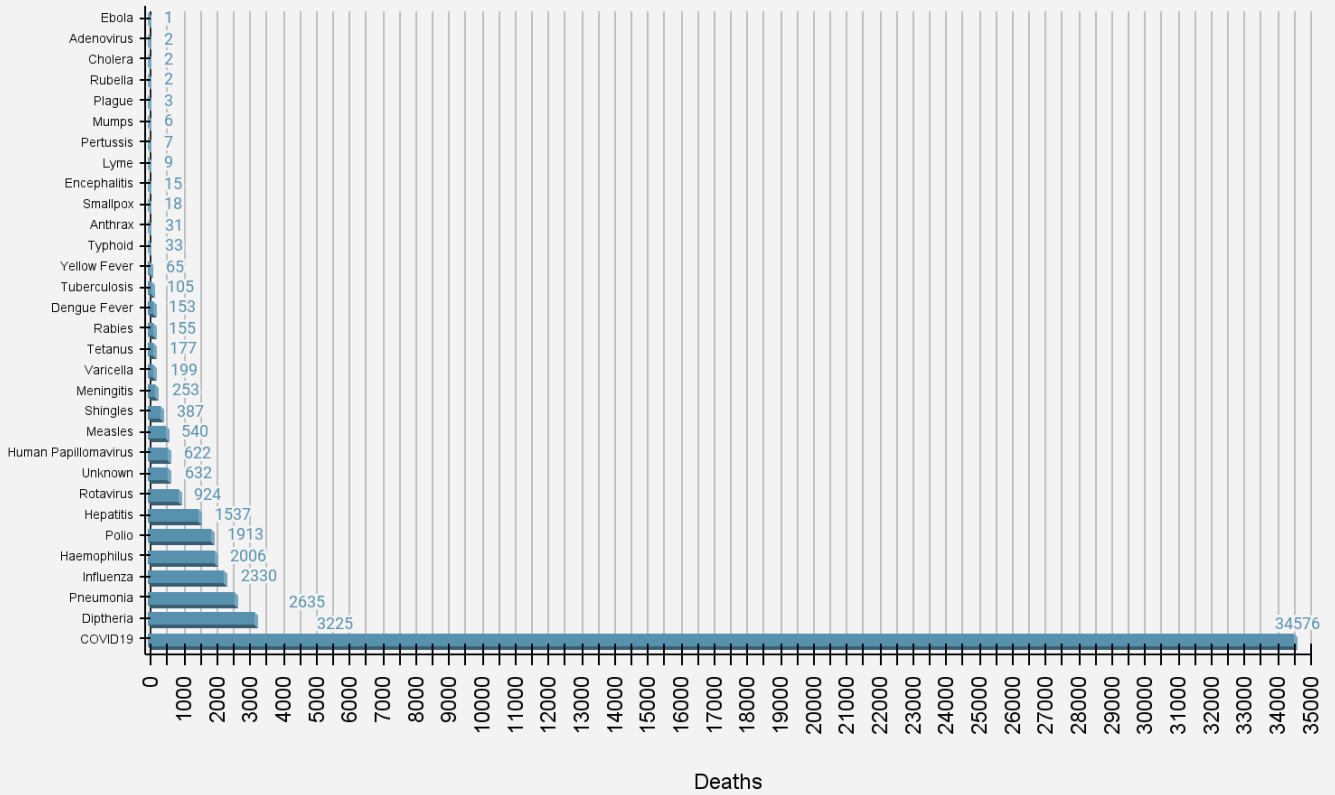
# Age Stratification of Deaths After COVID-19 Vaccination US Data Only

Data Obtained from CDC's VAERS



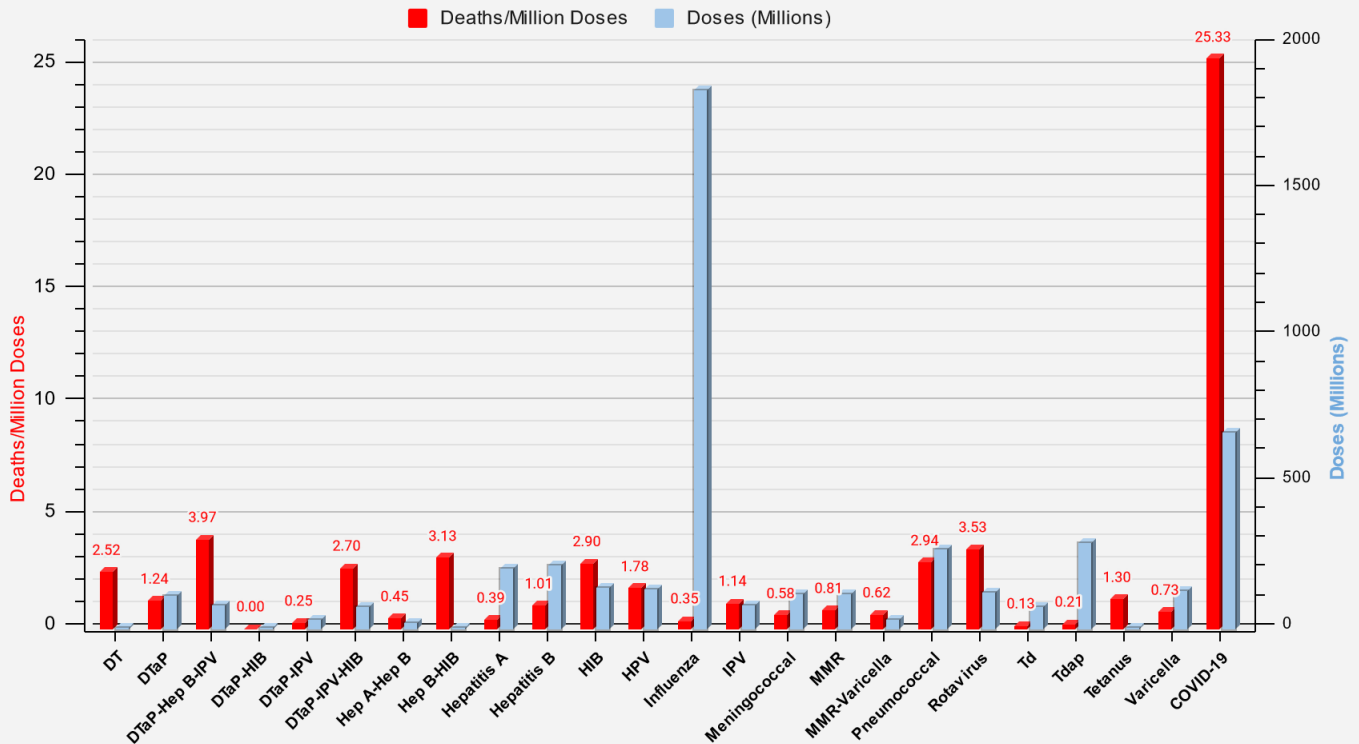
# Reported Deaths By Vaccine Type, 1990-Present

Data Obtained from CDC's VAERS



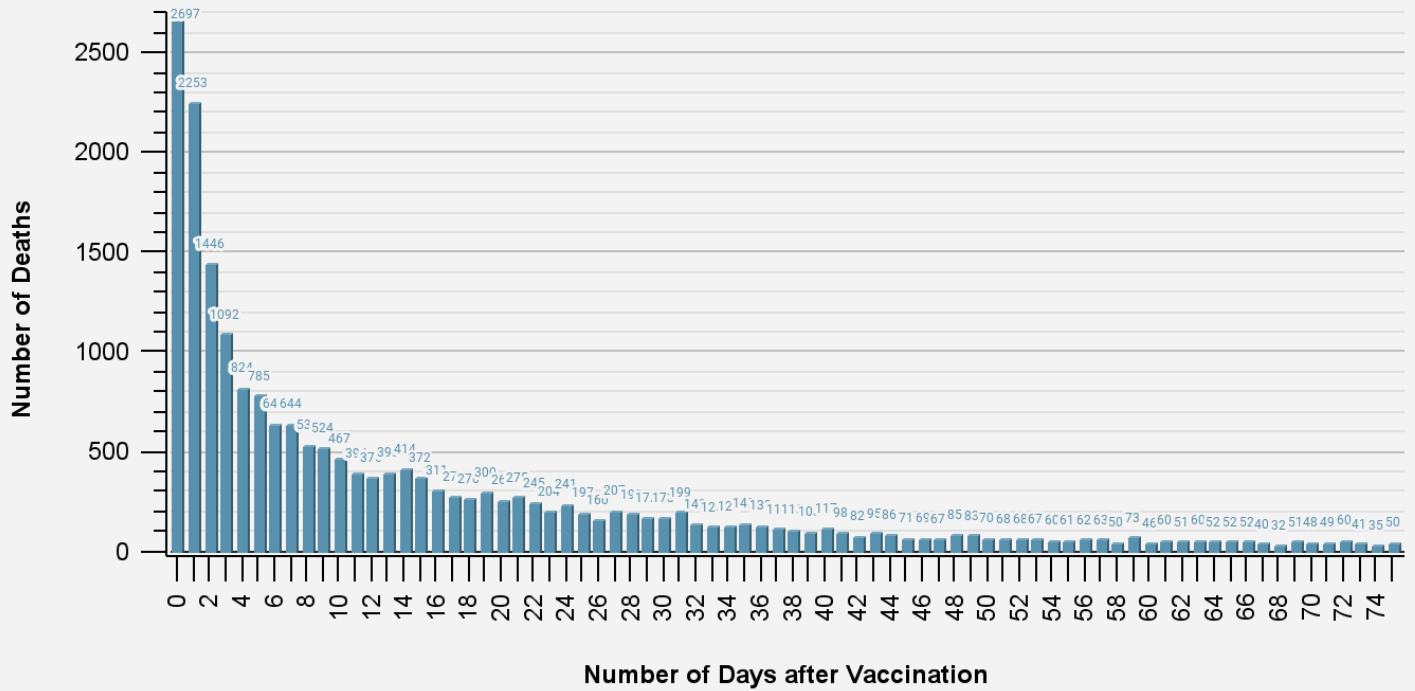
# Deaths Per Million Doses (US Only) Traditional Vaccines (2006 - 2019), Covid-19 Vaccines (2020-Present)

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



# Number of Deaths by Days After COVID19 Vaccination

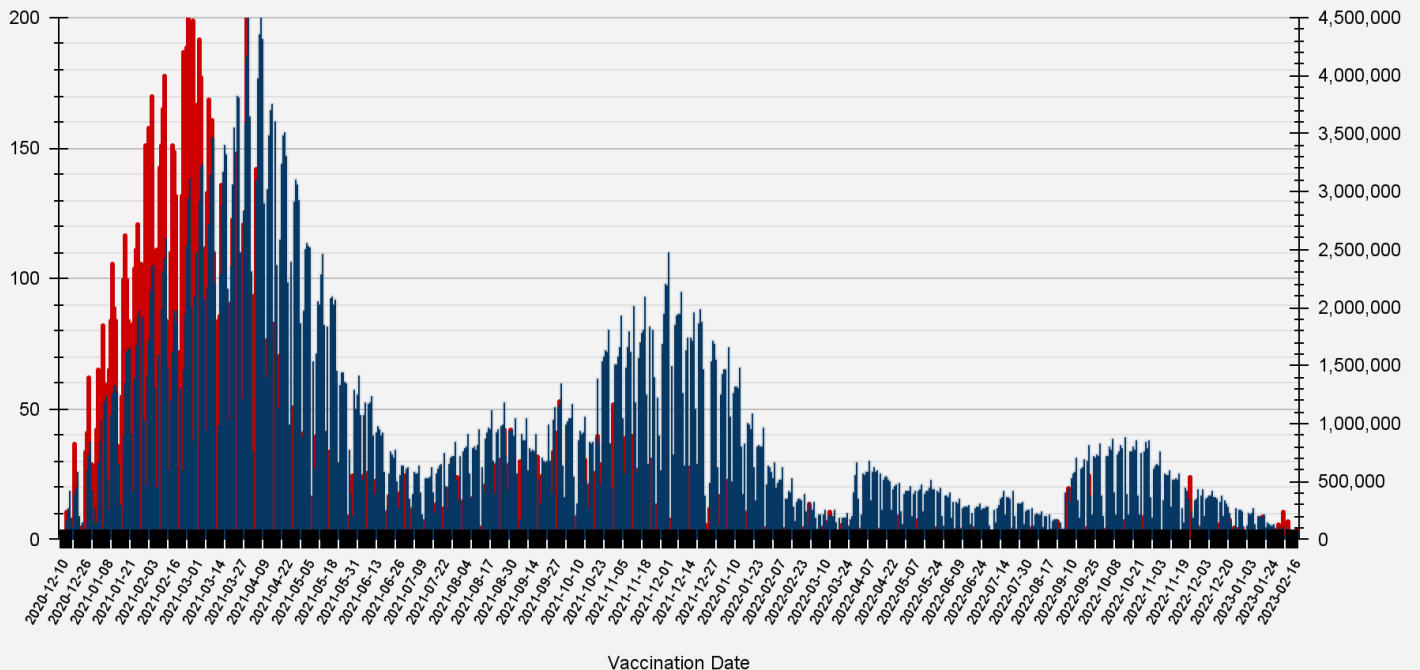
Data obtained from CDC's VAERS



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

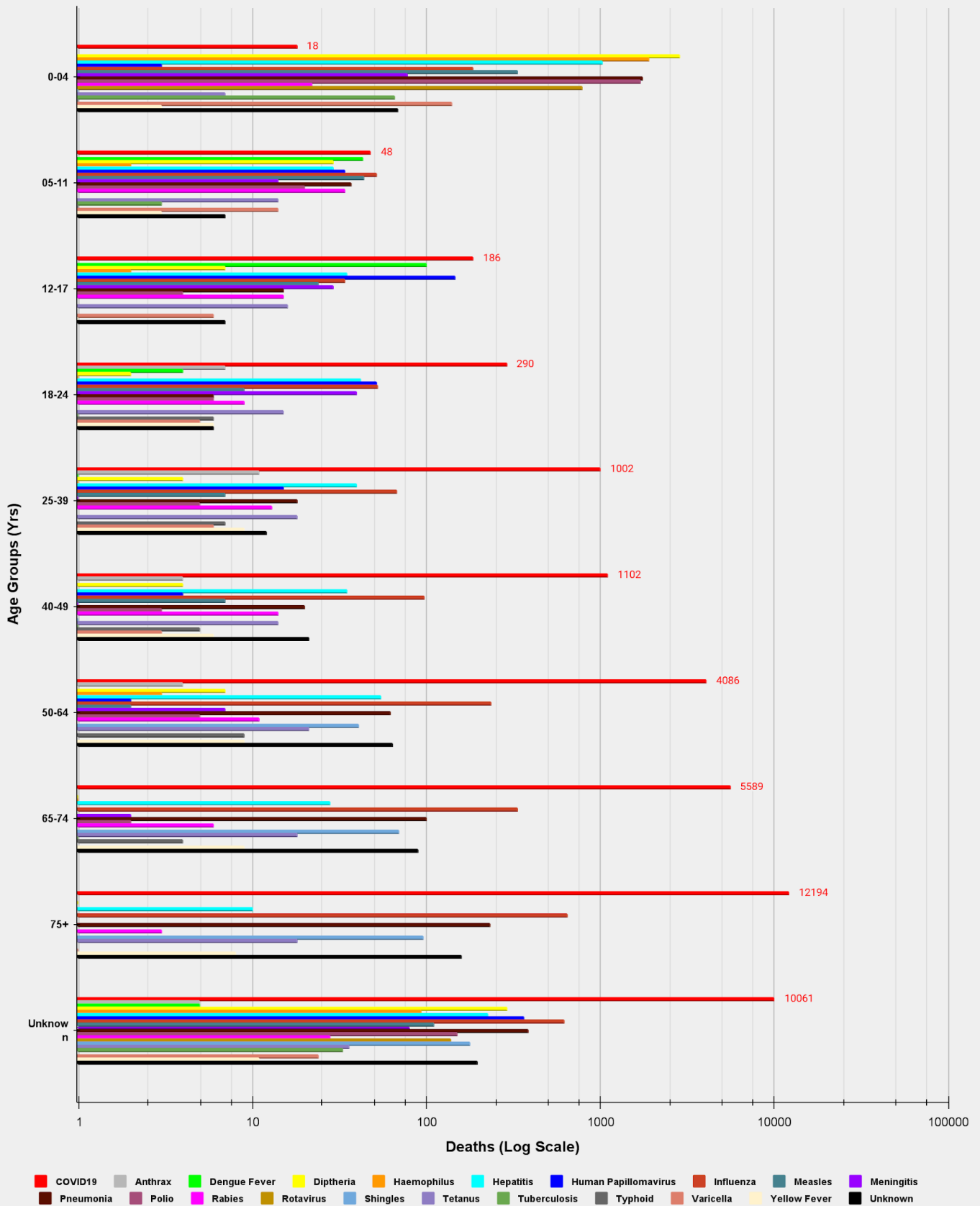
Data Obtained from CDC's VAERS & CDC

■ Number of Deaths ■ Number of Doses



# Age Stratification of Deaths By Vaccine Type (US+Foreign) (1990-Present)

Data Obtained from CDC's VAERS

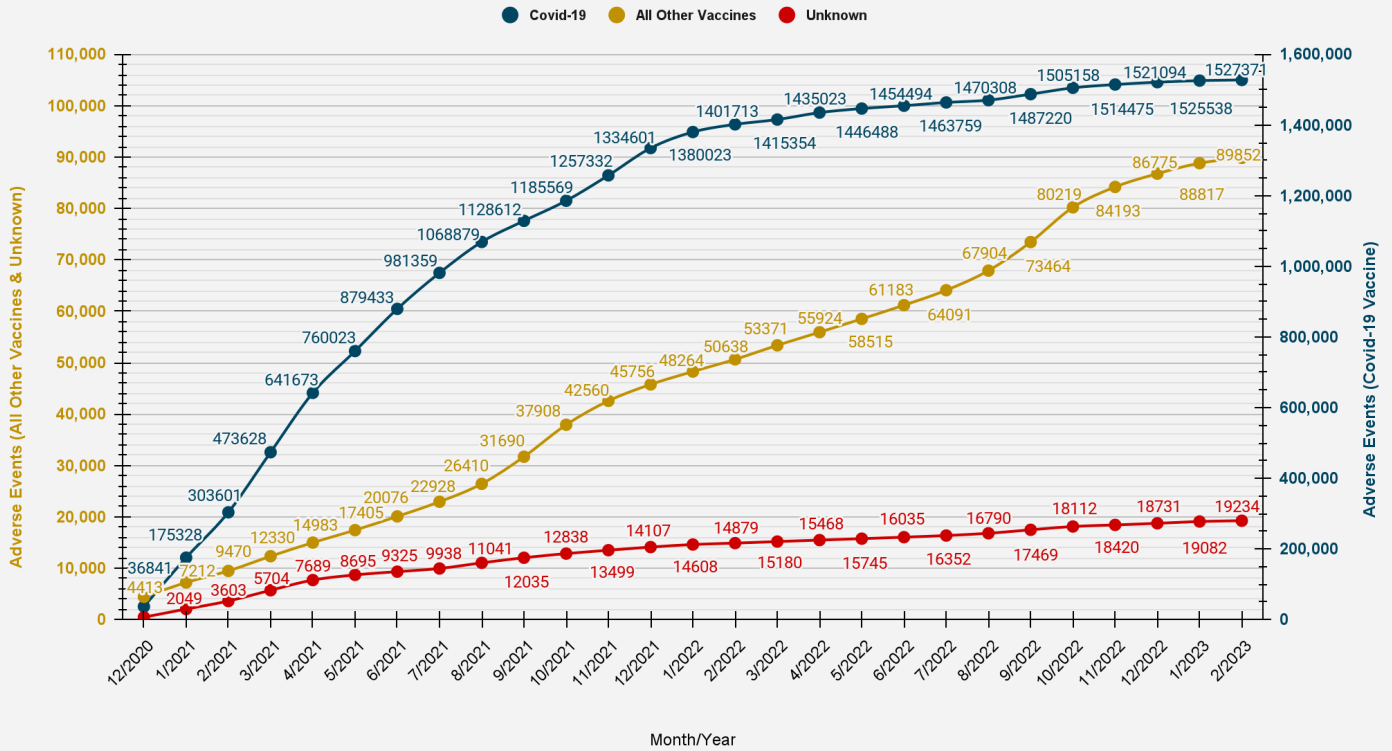


[Vaccines not included above (due to n < 20 overall deaths): Adenovirus, Cholera, Dengue Fever, Encephalitis, Ebola, Lyme, Mumps, Pertussis, Plague, Rubella, Smallpox]

# Adverse Events

## Cumulative Reported AEs After Vaccination - 2 Year Summary

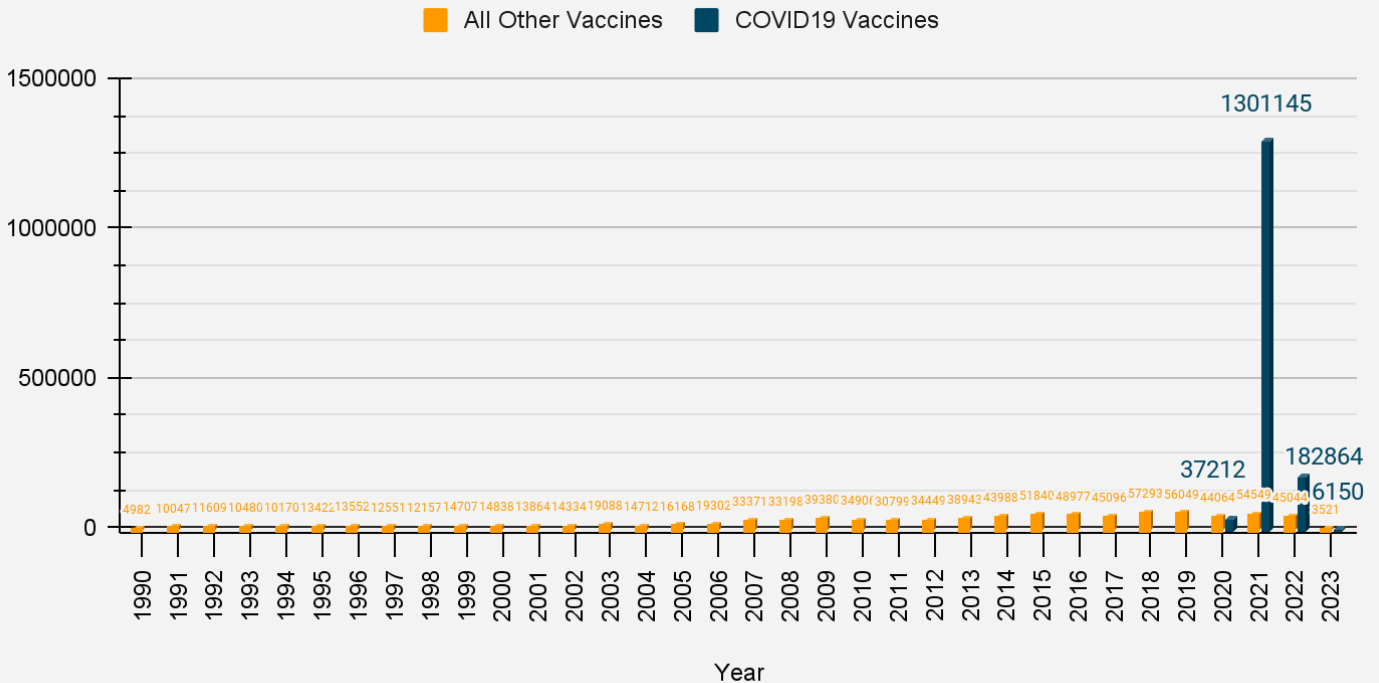
Data obtained from CDC's VAERS



[Unknowns separated from All Other Vaccines for greater clarity; in many cases the Unknowns are actually Covid-19]

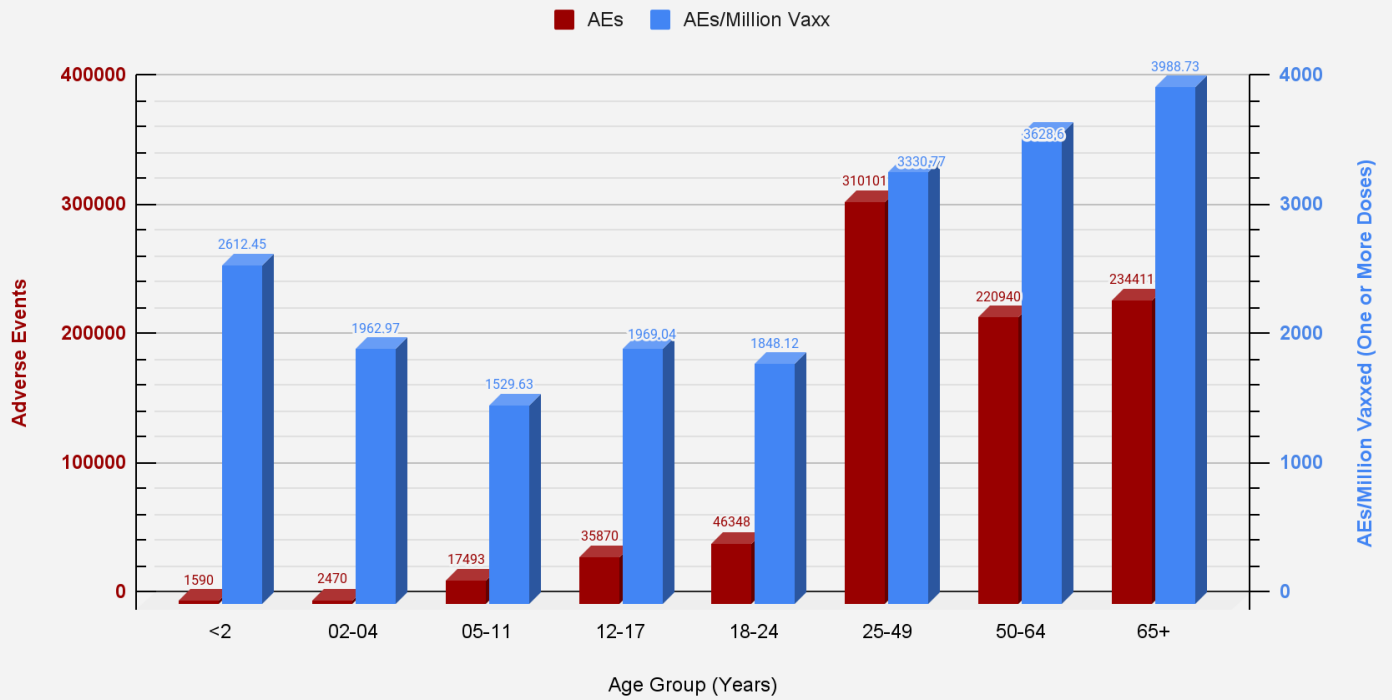
## Reported Adverse Events by Year, COVID19 vs. All Other Vaccines

Data obtained from CDC's VAERS



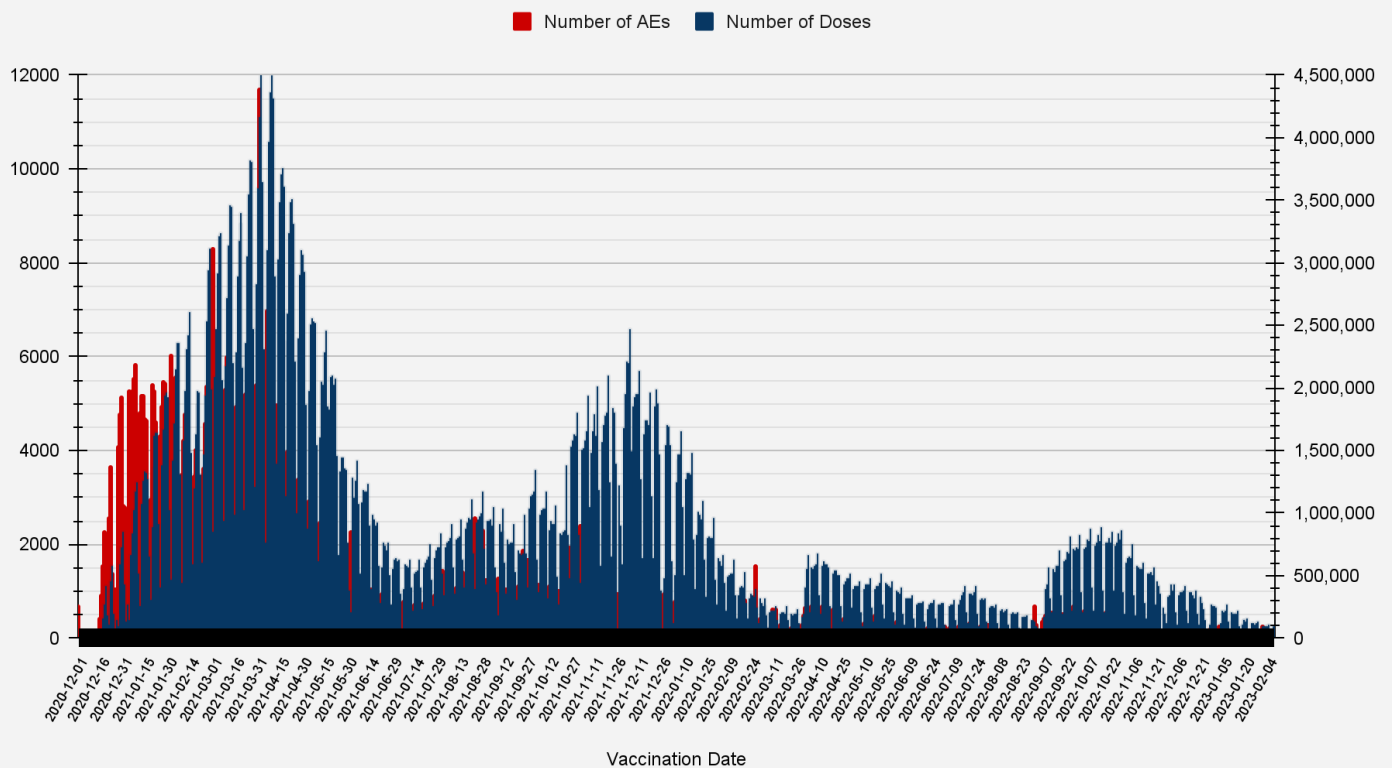
# Age Stratification of Adverse Events After COVID-19 Vaccination US Data Only

Data obtained from CDC's VAERS



# Reported Adverse Events Daily, COVID19 Vaccines vs. Doses Administered (US Data Only)

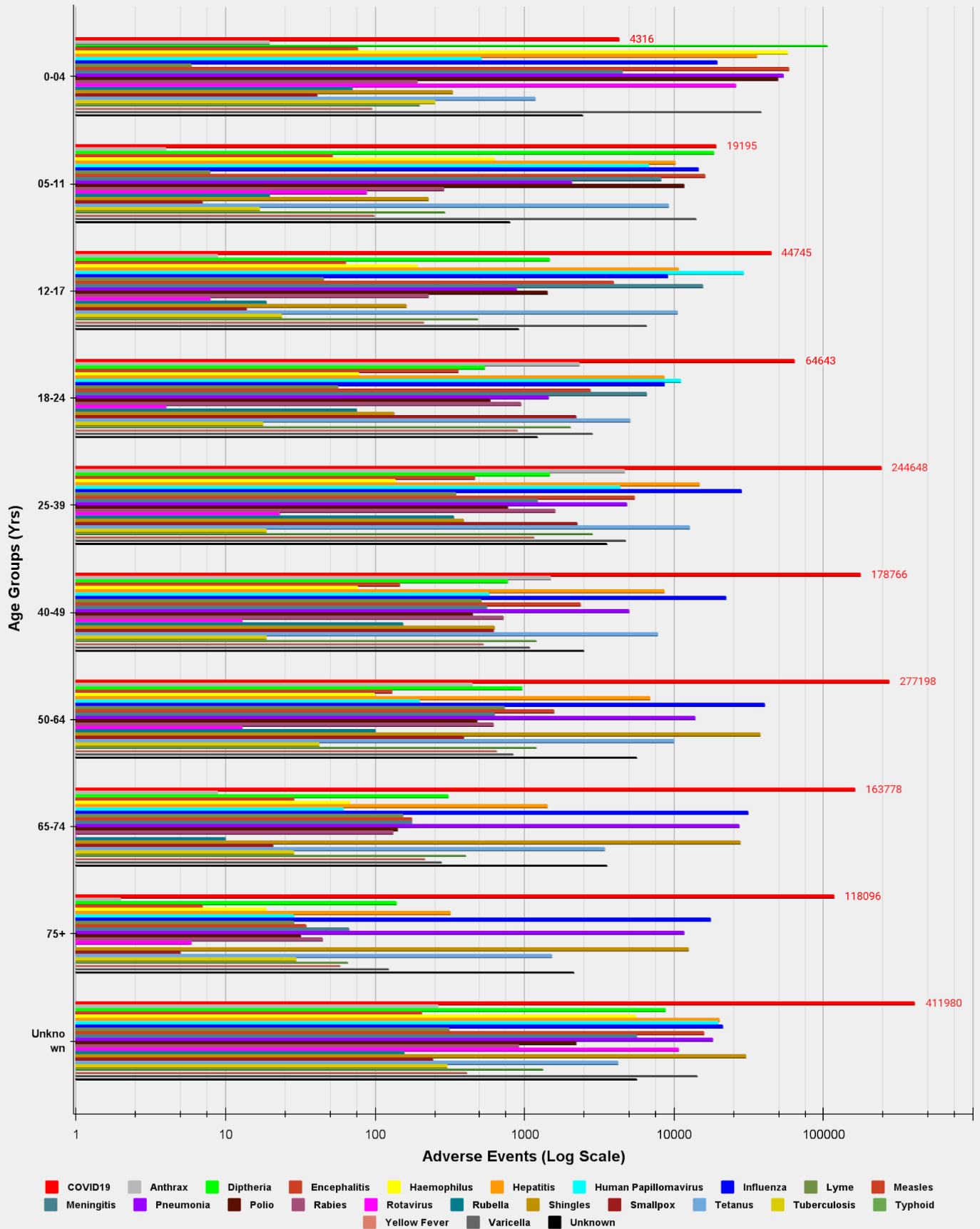
Data Obtained from CDC's VAERS





# Age Stratification of Adverse Events By Vaccine Type (US+Foreign) (1990-Present)

Data Obtained from CDC's VAERS



[Vaccines not included above (due to n < 500 overall AEs): Adenovirus, Cholera, Dengue Fever, Ebola, Mumps, Pertussis, Plague]

# 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\*\*\***

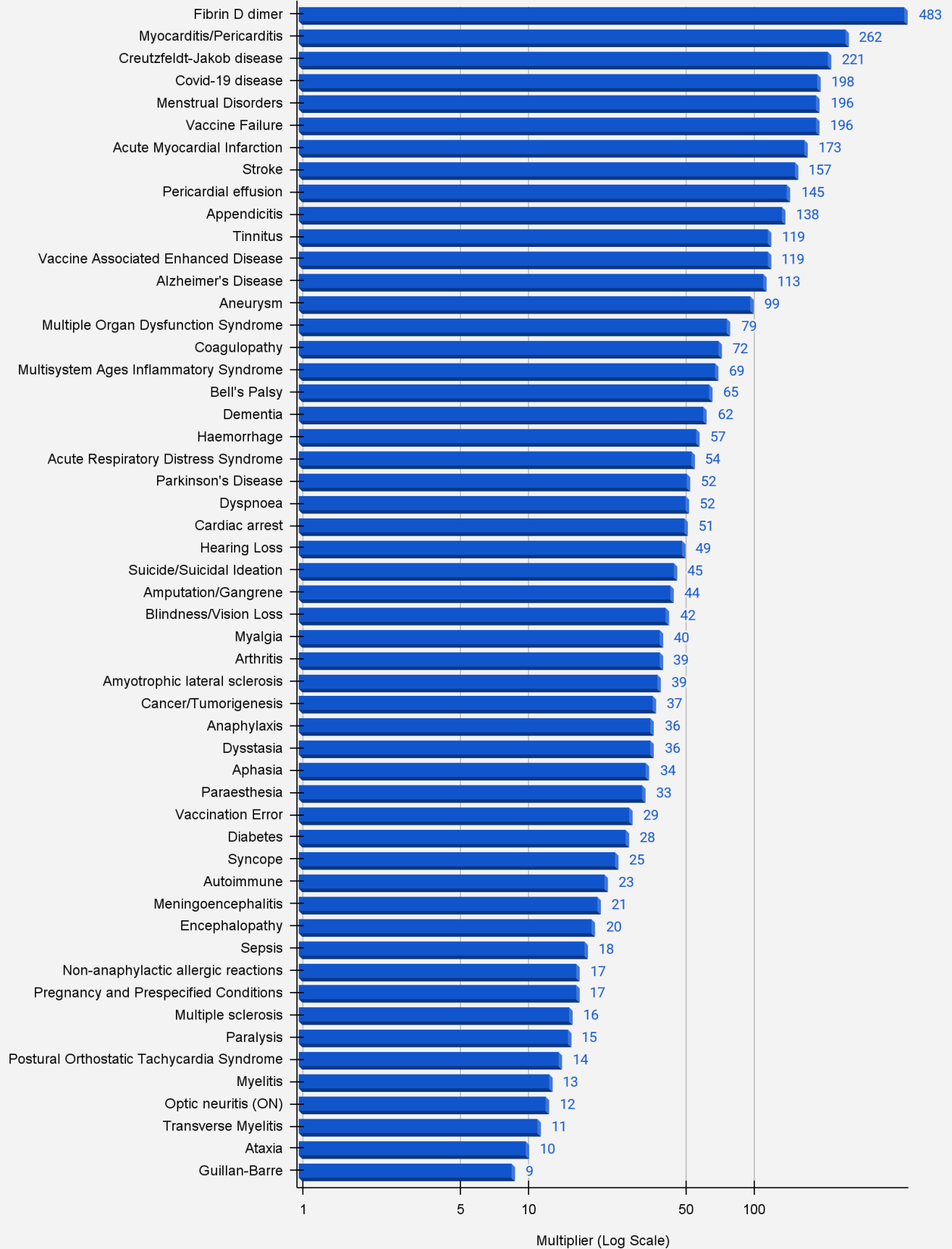
- Guillain-Barré syndrome
  - Acute disseminated encephalomyelitis
  - Transverse myelitis
  - Encephalitis/myelitis/encephalomyelitis/ meningoencephalitis/meningitis/ encephalopathy
  - Convulsions/seizures
  - Stroke
  - Narcolepsy and cataplexy
  - Anaphylaxis
  - Acute myocardial infarction
  - Myocarditis/pericarditis
  - 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 | Total (Non-Lethal) AEs for All Other Vaccines (1990-present) | Total Deaths for All Other Vaccines (1990-present) |
|---|-----------------------------------|--------------|--|--|
| Guillain-Barre                              | 3197                              | 71           | 4652   | 147  |
| Acute Disseminated Encephalomyelitis        | 252                               | 7            | 460  | 30   |
| Transverse Myelitis                         | 660                               | 8            | 856  | 16   |
| Encephalitis                                | 3205                              | 456          | 4966   | 485  |
| Convulsions/Seizures                        | 16163                             | 534          | 30072  | 537  |
| Stroke                                      | 11578                             | 968          | 1613   | 97   |
| Narcolepsy, Cataplexy                       | 294                               | 6            | 369  | 3  |
| Anaphylaxis                                 | 51566                             | 179          | 42298  | 167  |
| Acute Myocardial Infarction (Heart Attack)  | 6081                              | 1710         | 374  | 163  |
| Myocarditis/Pericarditis                    | 25024                             | 425          | 1033   | 93   |
| Autoimmune Disease                          | 2776                              | 40           | 1184   | 18   |
| Other Acute Demyelinating Diseases          | 468                               | 7            | 880  | 25   |
| Pregnancy and birth outcomes (Miscarriages) | 4992                              | 158          | 2930   | 52   |
| Other Allergic Reactions                    | 2755                              | 4            | 2152   | 3  |
| Thrombocytopenia                            | 5100                              | 443          | 3427   | 128  |
| Disseminated Intravascular Coagulation      | 308                               | 105          | 61   | 29   |
| Venous Thromboembolism                      | 27962                             | 1715         | 762  | 122  |
| Arthritis and Arthralgia/Joint Pain         | 89805                             | 313          | 30083  | 80   |
| Kawasaki Disease                            | 102                               | 2            | 737  | 8  |
| Systemic Inflammatory Response Syndrome     | 1080                              | 70           | 377  | 7  |

# Average Annual Adverse Events by Symptom for Covid-19 Vaccines as a Multiple of All Other Vaccines Combined since 1990

(Data from VAERS through 2/24/22)



## 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 [CDC's Vaccination Trends in the US](#) 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 <sup>[3]</sup> | # of Deaths | Risk of Death  | Percentage | Deaths/Mill. Vaccinations <sup>[3]</sup> |
|--|----------------------------------|-------------|----------------|------------|--|
| Flu  | 167,447,642 <sup>[1]</sup>       | 33          | 1 in 5,074,171 | 0.000020%  | 0.20                                     |
| COVID19  | 173,556,363 <sup>[2]</sup>       | 6,469       | 1 in 26,829    | 0.003727%  | 37.27                                    |
| Risk of dying from COVID vaccine is 189 times greater than Flu Vaccine |                                  |             |                |            |  |

| Vaccine Type   | # of Vaccinations <sup>[3]</sup> | # of Adverse Reactions | Risk of Adverse Reaction | Percentage | AEs/Mill. Vaccinations <sup>[3]</sup> |
|--|----------------------------------|------------------------|--------------------------|------------|---------------------------------------|
| Flu  | 167,447,642                      | 9,740                  | 1 in 17,192              | 0.005817%  | 58.17                                 |
| COVID19  | 173,556,363                      | 581,244                | 1 in 299                 | 0.334902%  | 3,349.02                              |
| Risk of adverse reaction from COVID vaccine is 57 times greater than Flu Vaccine |                                  |                        |                          |            |                                       |

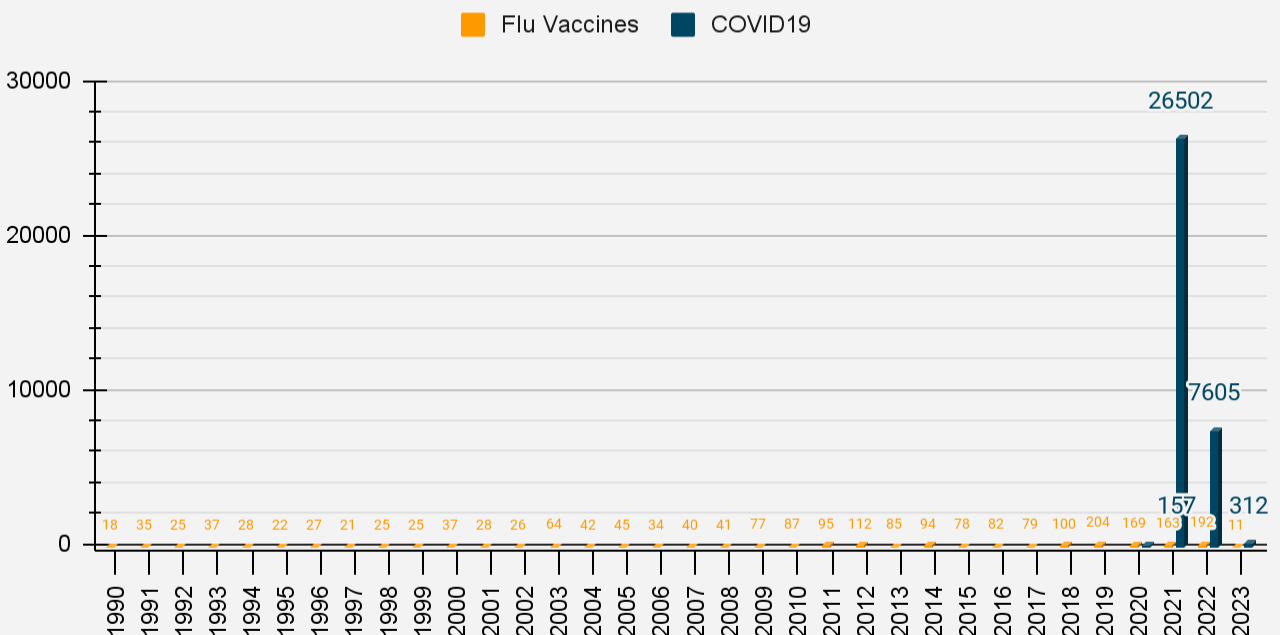
[1] number of flu vaccinations based on estimated flu vaccine coverage data from [CDC](#) and estimated population data from [US Census](#). Yearly flu vaccination data covers a period of time from 7/1 to 5/31 of the following year.

[2] number of covid19 vaccinations based on estimates from [CDC's Vaccination Trends in the US](#)

[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)    | 2960        | 8.52     | 4.07               | 1965        | 18982882                | 103.51                        | 728                     | 2/26/2021         |
| Moderna          | 9724        | 27.98    | 12.19              | 7326        | 251412884               | 29.14                         | 798                     | 12/18/2020        |
| Pfizer/Biontech  | 21652       | 62.29    | 26.9               | 7559        | 400765648               | 18.86                         | 805                     | 12/11/2020        |
| Unknown          | 231         | 0.66     |                    | 65          | 833995                  |                               |                         |                   |
| Pfizer-Bivalent  | 125         | 0.36     | 0.71               | 117         | 34528608                | 3.39                          | 176                     | 9/1/2022          |
| Moderna-Bivalent | 77          | 0.22     | 0.44               | 76          | 19558193                | 3.89                          | 176                     | 9/1/2022          |

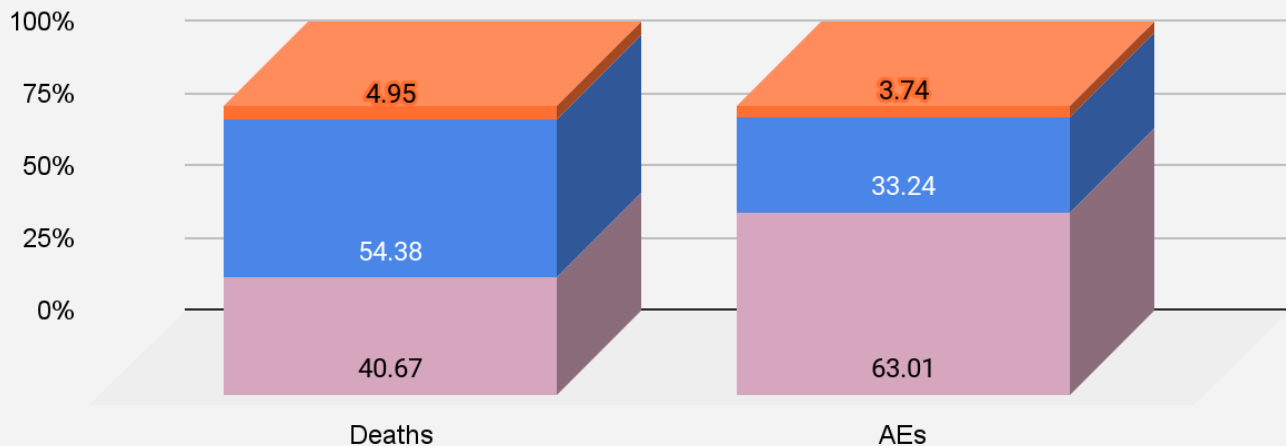
| Manufacturer     | # of AEs | % AEs | Average AEs/Day | # US AEs | # US Doses Administered | Average US AEs/Mill. Doses | Days since EUA approval | EUA Approval Date |
|------------------|----------|-------|-----------------|----------|-------------------------|----------------------------|-------------------------|-------------------|
| Janssen (JNJ)    | 97318    | 6.32  | 133.68          | 72551    | 18982882                | 3821.92                    | 728                     | 2/26/2021         |
| Moderna          | 508752   | 33.05 | 637.53          | 419108   | 251412884               | 1667.01                    | 798                     | 12/18/2020        |
| Pfizer/Biontech  | 899208   | 58.41 | 1117.03         | 425942   | 400765648               | 1062.82                    | 805                     | 7/13/2022         |
| Unknown          | 10943    | 0.71  |                 | 5548     | 833995                  |                            |                         |                   |
| Novavax          | 251      | 0.02  | 1.11            | 237      | 80696                   | 2936.95                    | 226                     | 12/11/2020        |
| Pfizer-Bivalent  | 14297    | 0.93  | 81.23           | 14160    | 34528608                | 410.09                     | 176                     | 9/1/2022          |
| Moderna-Bivalent | 9082     | 0.59  | 51.6            | 9037     | 19558193                | 462.06                     | 176                     | 9/1/2022          |

## Vaccine Data by Gender

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

All Data Obtained from CDC's VAERS

■ Unknown   
 ■ Male   
 ■ Female



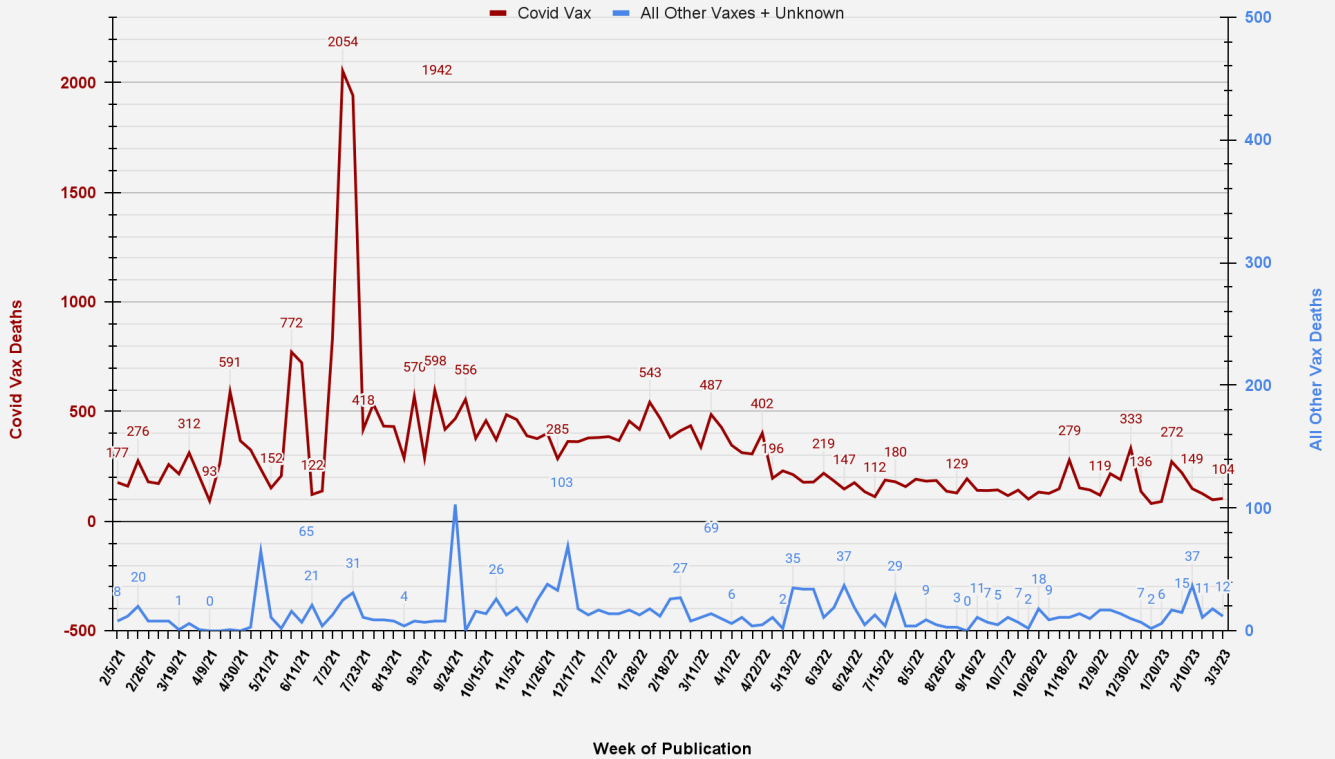
Percentage



# VAERS Weekly Publication History

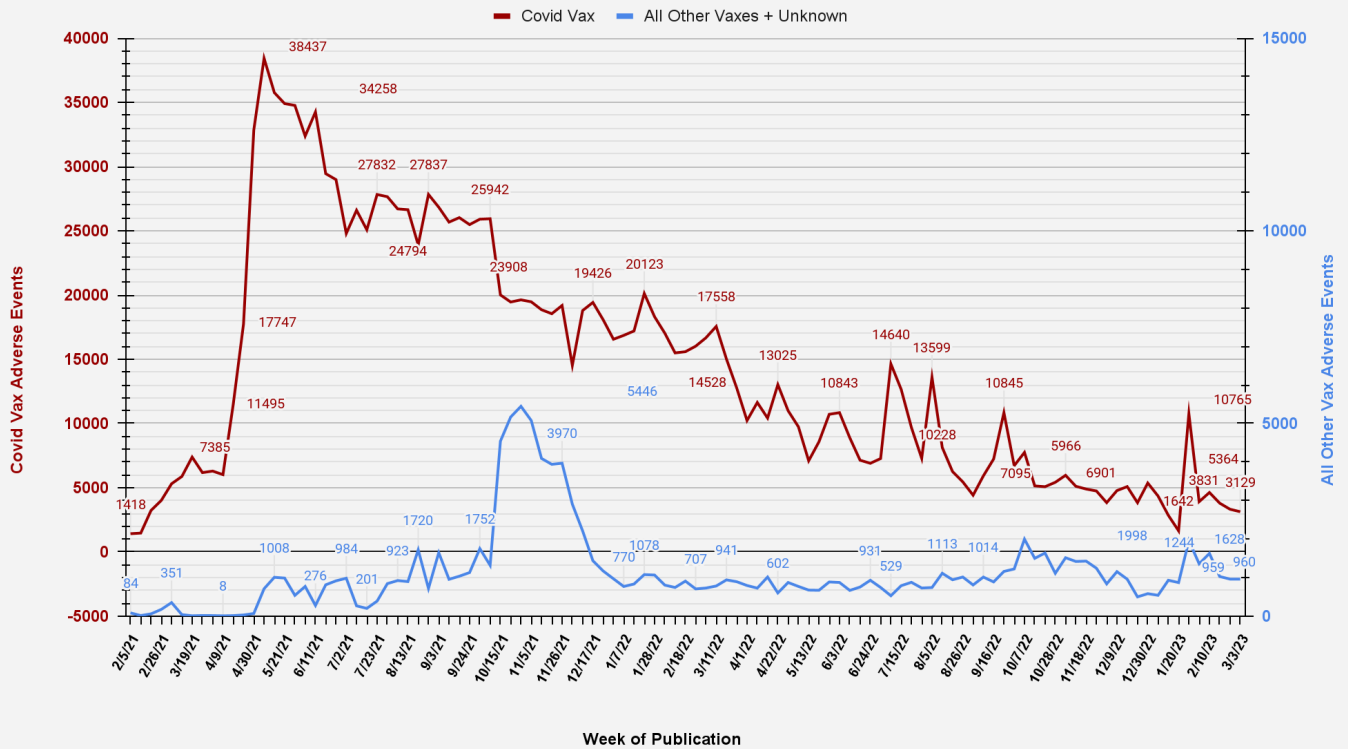
## New VAERS Deaths Published by Week

All Data Obtained from CDC's VAERS



## New VAERS Adverse Events Published by Week

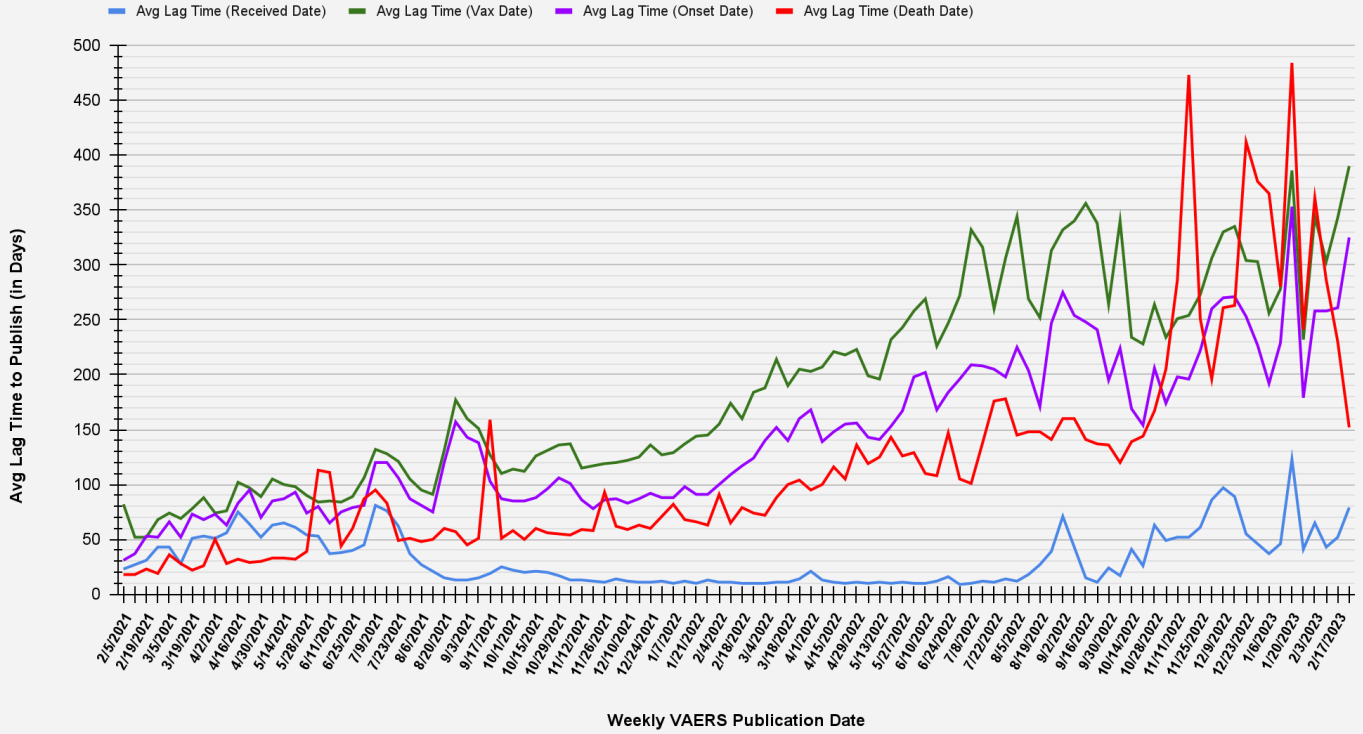
All Data Obtained from CDC's VAERS



# Lag Time to Publish History

## Average Lag Time to Publish in VAERS

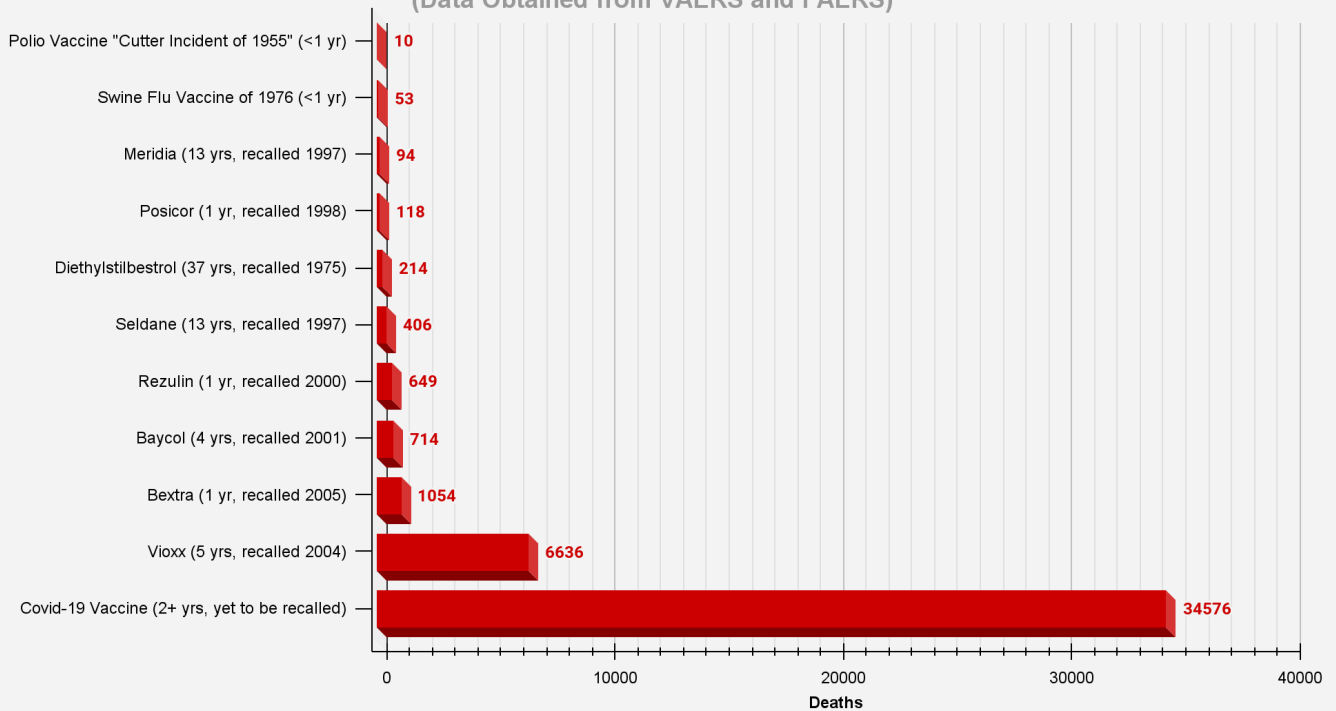
(Avg difference between date of publication and these dates: Received Date, Vax Date, Onset Date, Death Date)



# Recall History

## Reported Deaths for Major Drug/Vaccine Recalls

(Data Obtained from VAERS and FAERS)



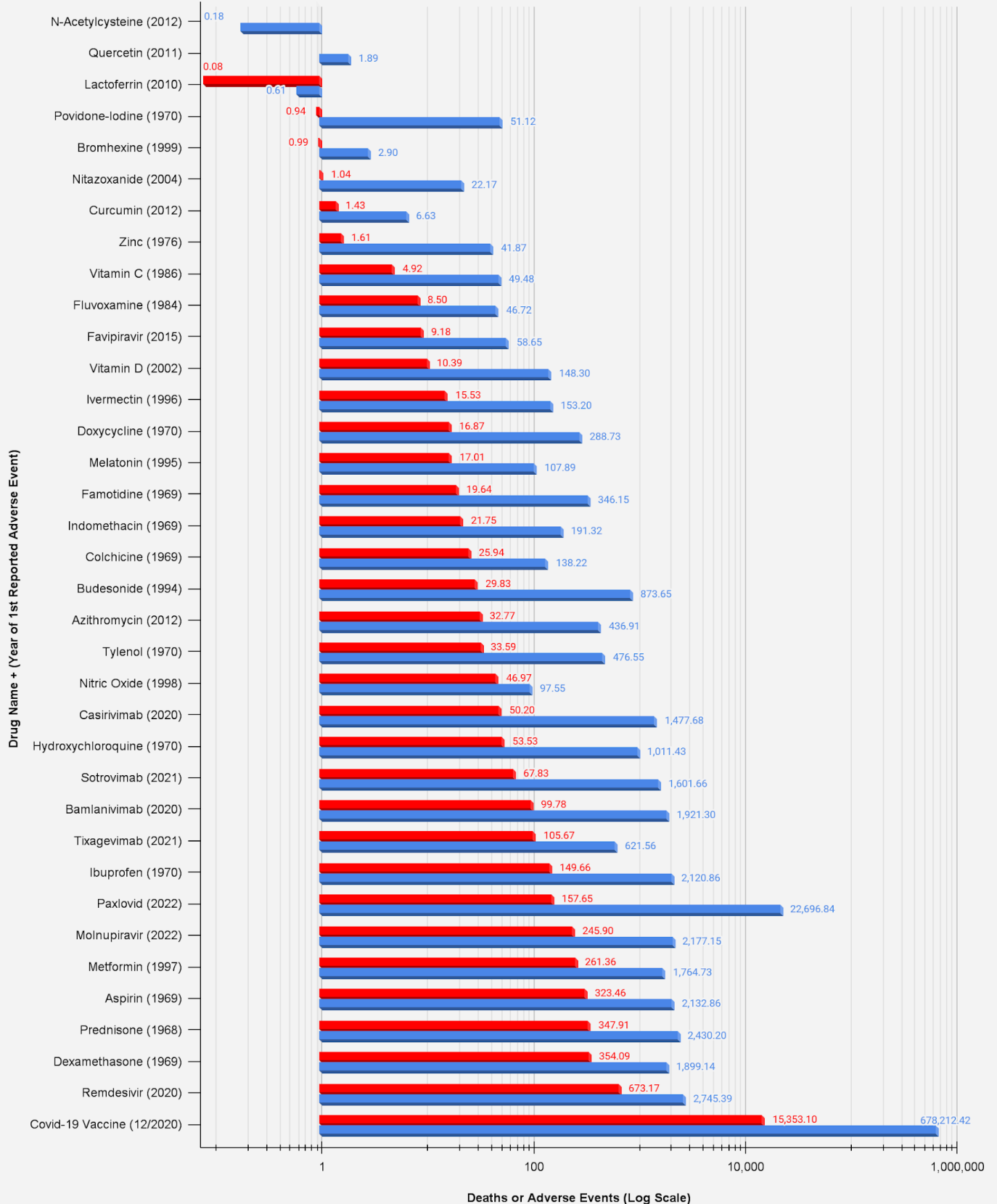


# Alternative Covid-19 Therapeutics

## Average Reported Deaths/AEs per Year for Covid-19 Therapeutics

Data Obtained from FAERS/VAERS (list of Covid-19 therapeutics from c19early.com)

■ Avg Deaths Per Year ■ Avg Adverse Events Per Year



[Note that N-Acetylcysteine and Quercetin have 0 reported deaths]

## Sources

Visit: [vaersanalysis.info](https://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](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>
6. Numbers for FDA regulated drugs taken from FDA's FAERS website, located here: <https://www.fda.gov/drugs/questions-and-answers-fdas-adverse-event-reporting-system-faers/fda-adverse-event-reporting-system-faers-public-dashboard>