

VAERS Summary for COVID-19 Vaccines through 7/8/2022

All charts and tables below reflect the data release on 7/15/2022 from the VAERS website, which includes U.S. and foreign data, and is updated through: **7/8/2022**.

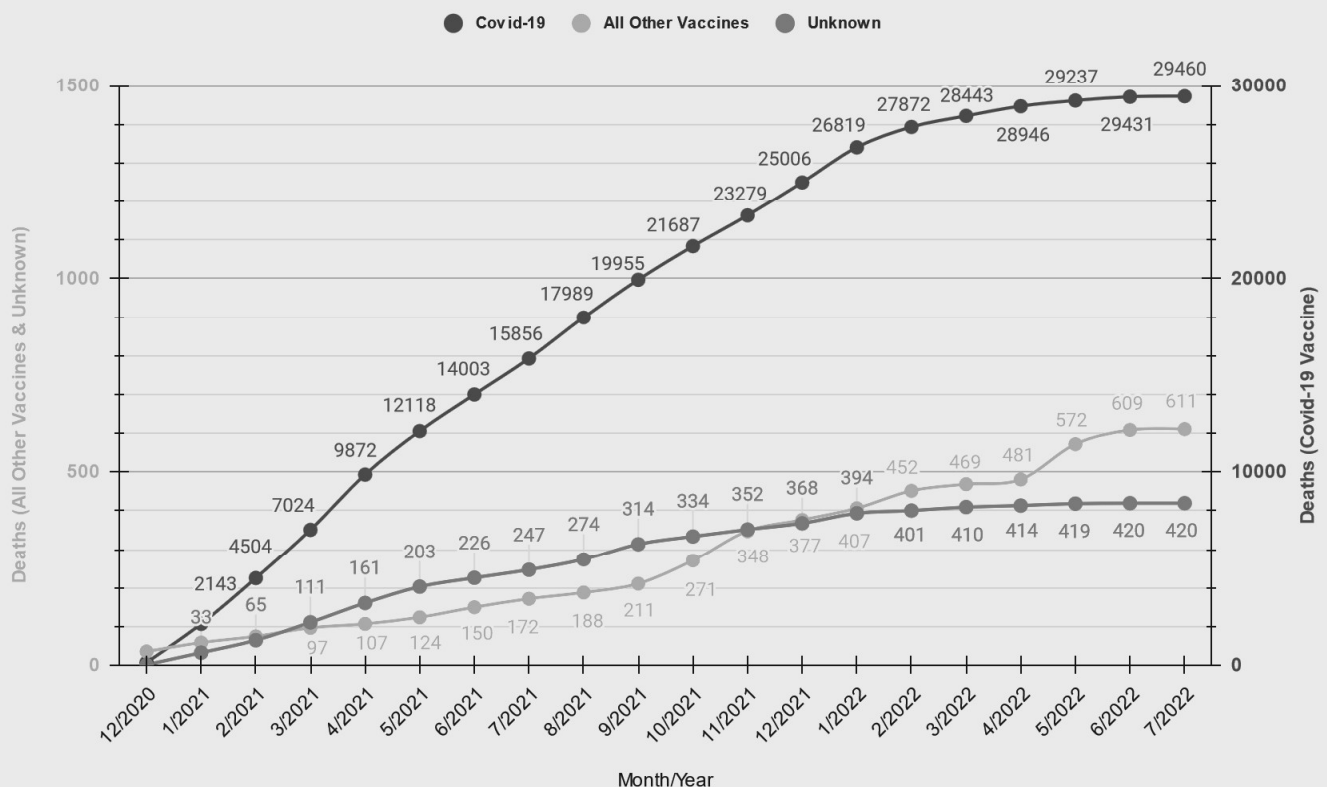
High-Level Summary	COVID19 vaccines (Dec'2020 - present)	All other vaccines 1990-present	US Data Only COVID19 vaccines (Dec'2020 - present)	US Data Only All other vaccines 1990-present
Number of Adverse Reactions	1,341,608	887,500	842,576	771,206
Number of Life-Threatening Events	32,772	14,606	12,874	10,007
Number of Hospitalizations	166,848	84,698	65,277	39,388
Number of Deaths	29,460*	9,853*	13,604	5,374
# of Permanent Disabilities after vaccination	55,008	21,206	14,387	13,098
Number of Office Visits	198,324	52,144	165,787	49,769
# of Emergency Room/Department Visits	131,621	213,693	101,148	204,009
# of Birth Defects after vaccination	1,125	200	532	108

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

Deaths

Cumulative Reported Deaths After Vaccination - 1.5 Year Summary

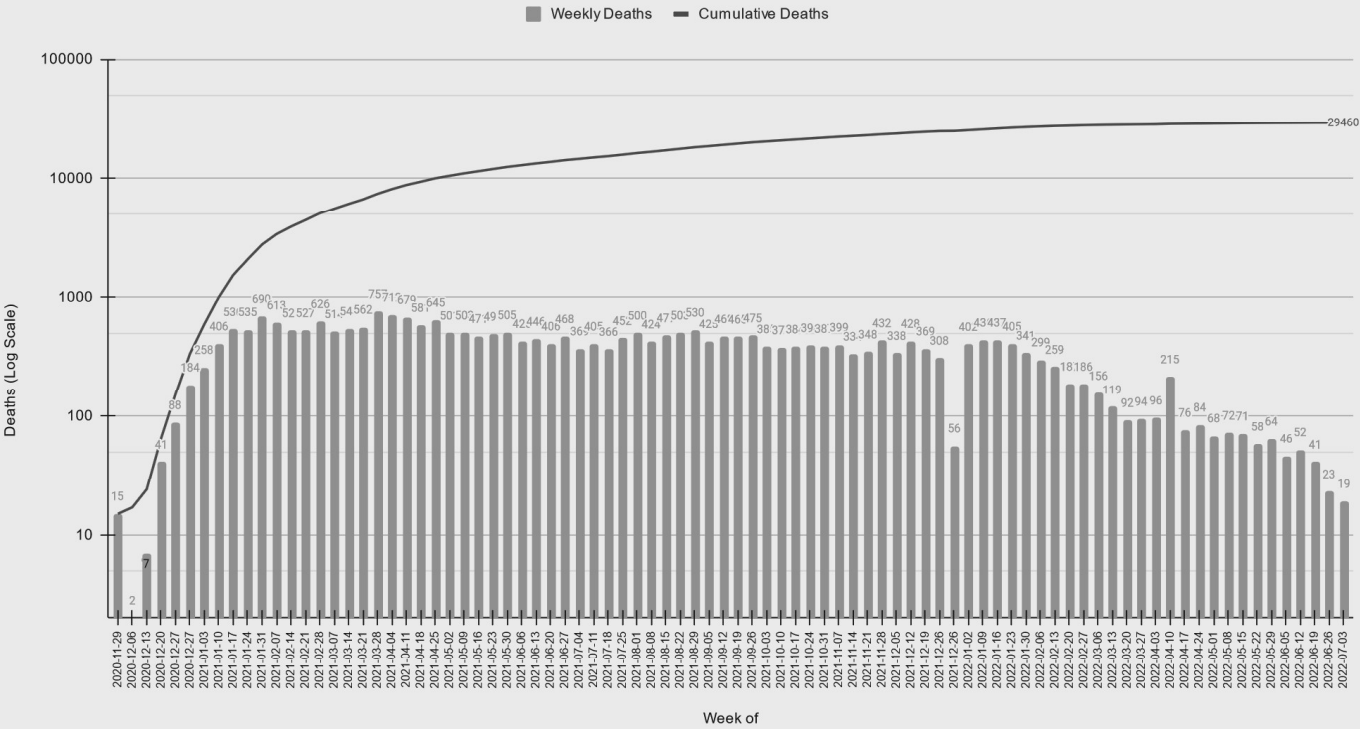
Data obtained from CDC's VAERS



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

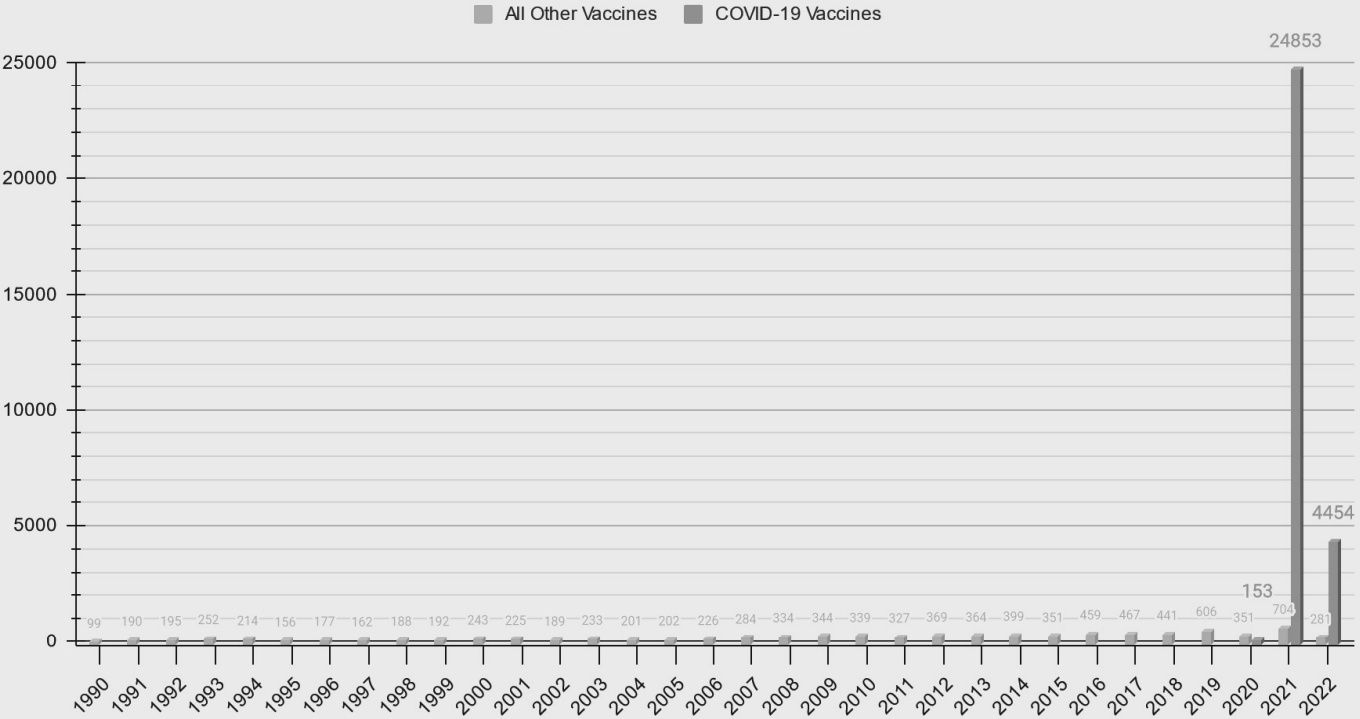
Reported Deaths by Week, COVID19 Vaccines

Data Obtained from CDC's VAERS



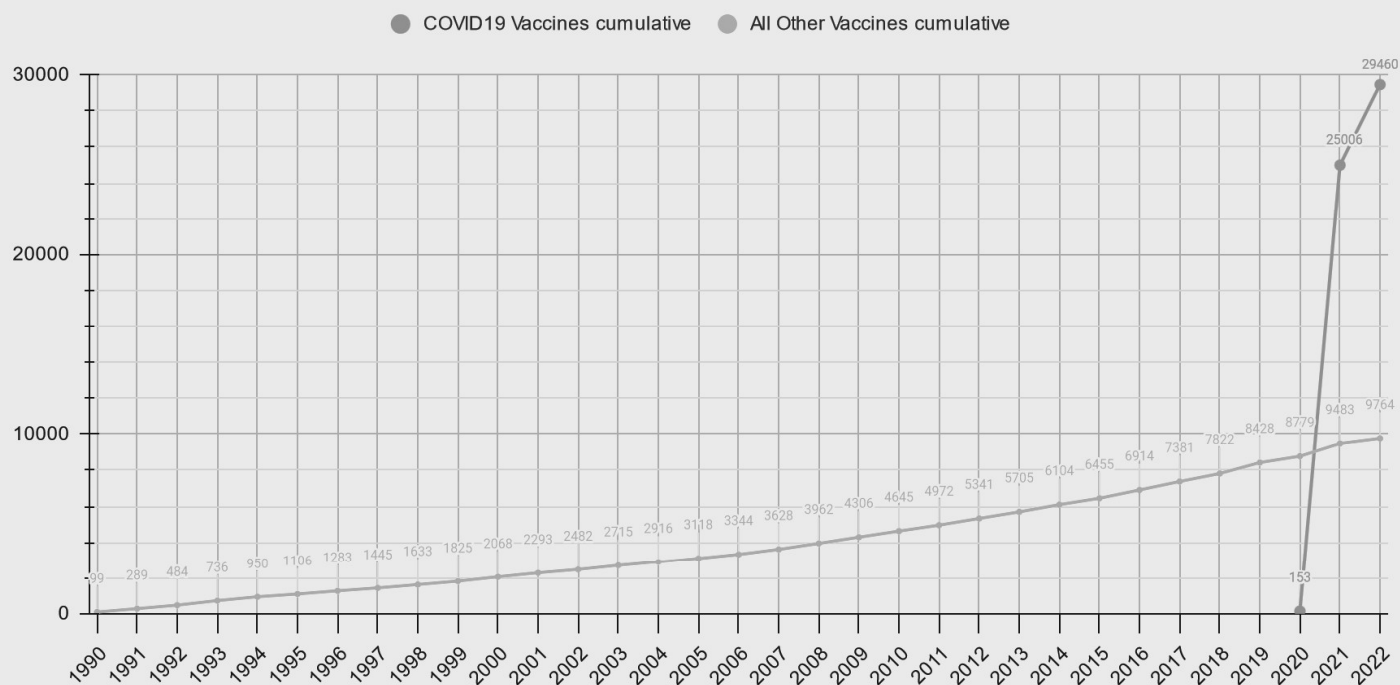
Reported Deaths by Year, COVID19 vs. All Other Vaccines

Data Obtained from CDC's VAERS



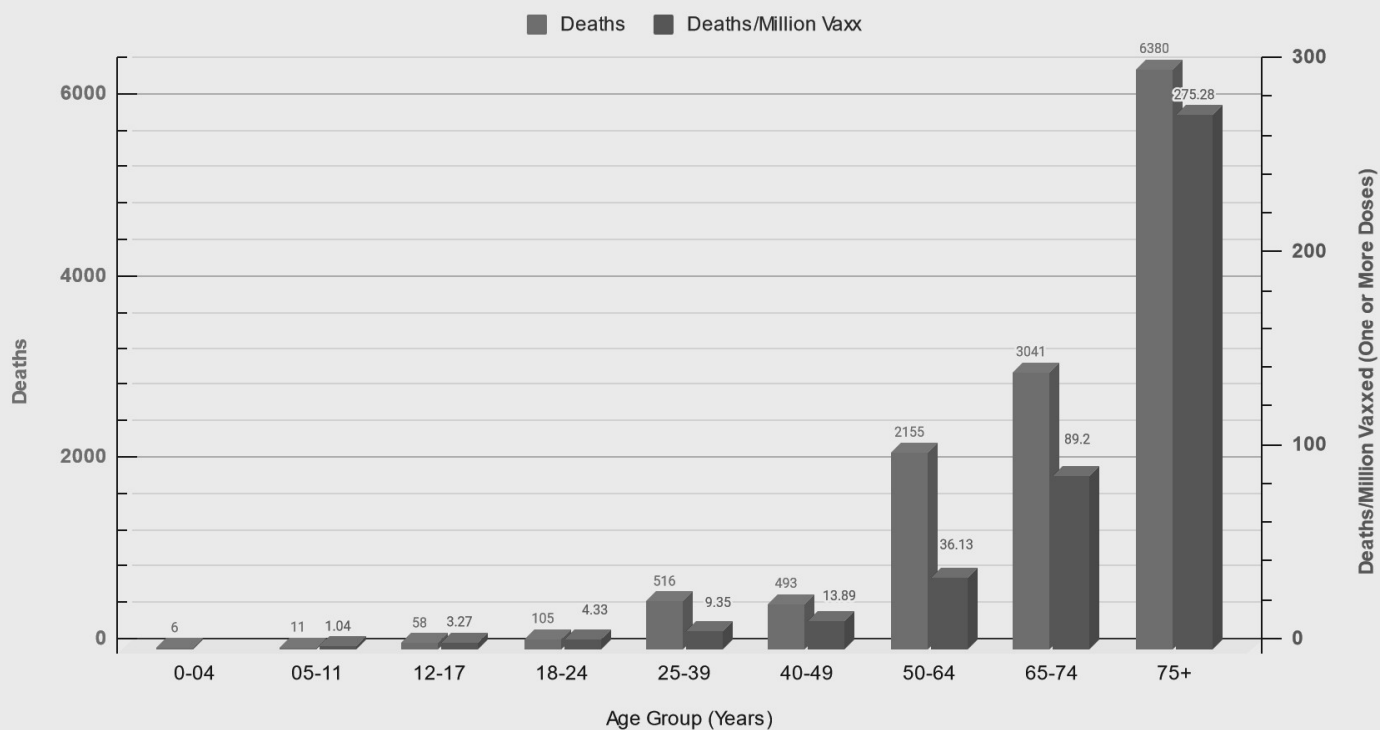
Reported Deaths by Year, COVID19 vs. All Other Vaccines, Cumulatively

Data Obtained from CDC's VAERS



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

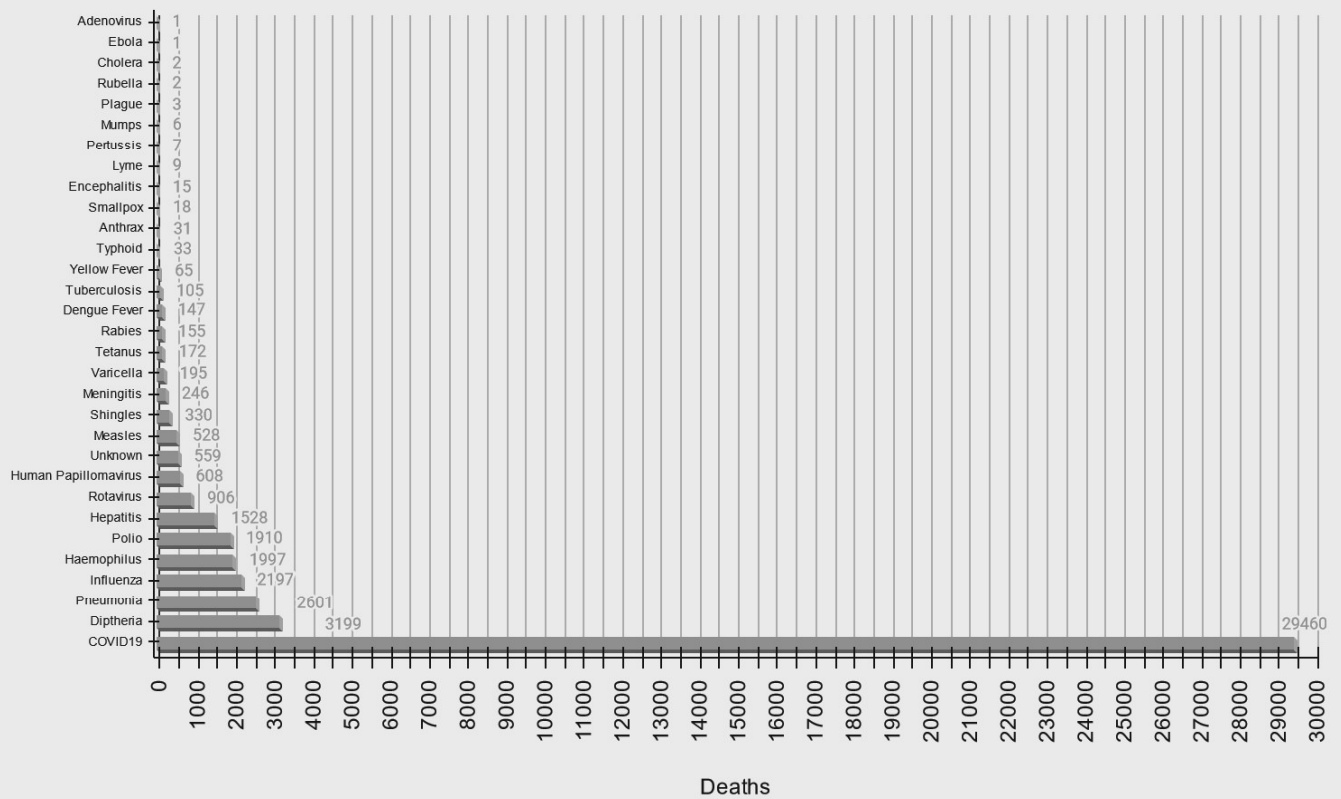
Data Obtained from CDC's VAERS



[Deaths/Million Vaxxed not available for 0-4 yo group as the vaccination data is not available from the CDC for that age range]

Reported Deaths By Vaccine Type, 1990-Present

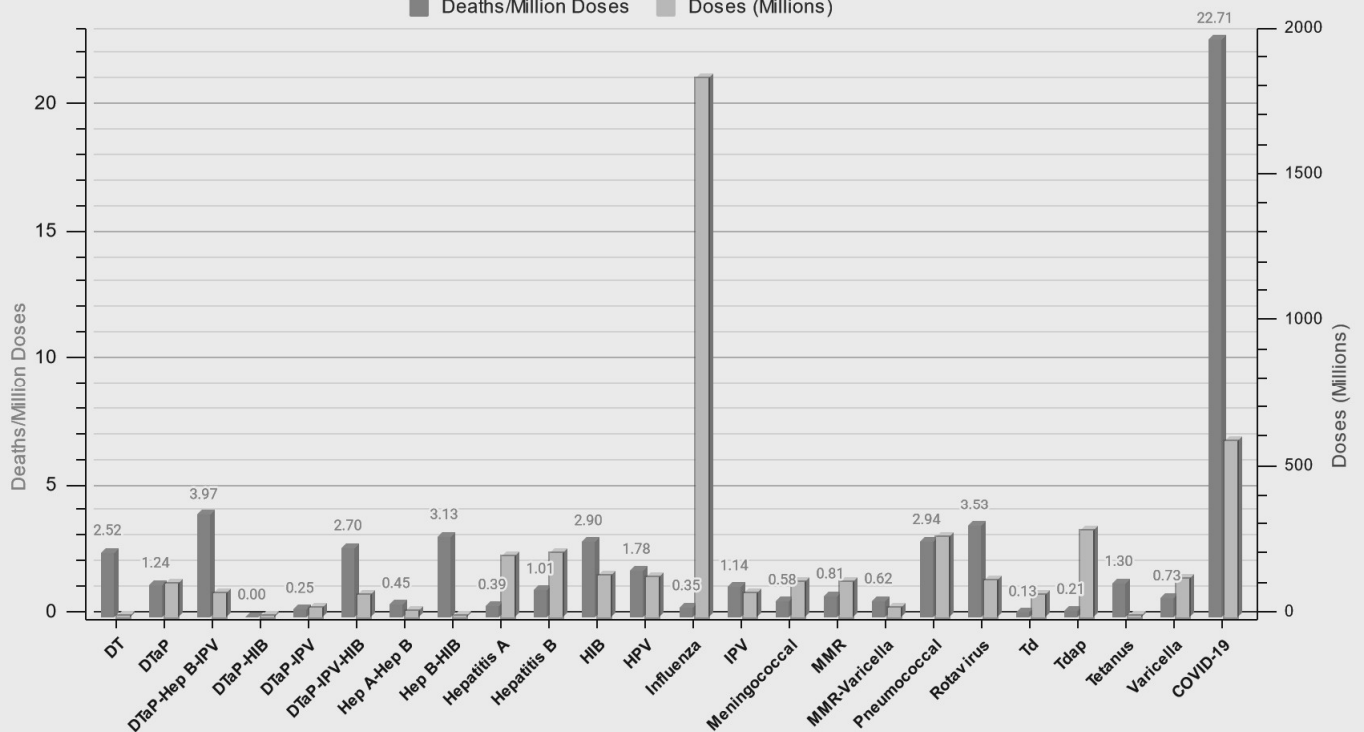
Data Obtained from CDC's VAERS



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

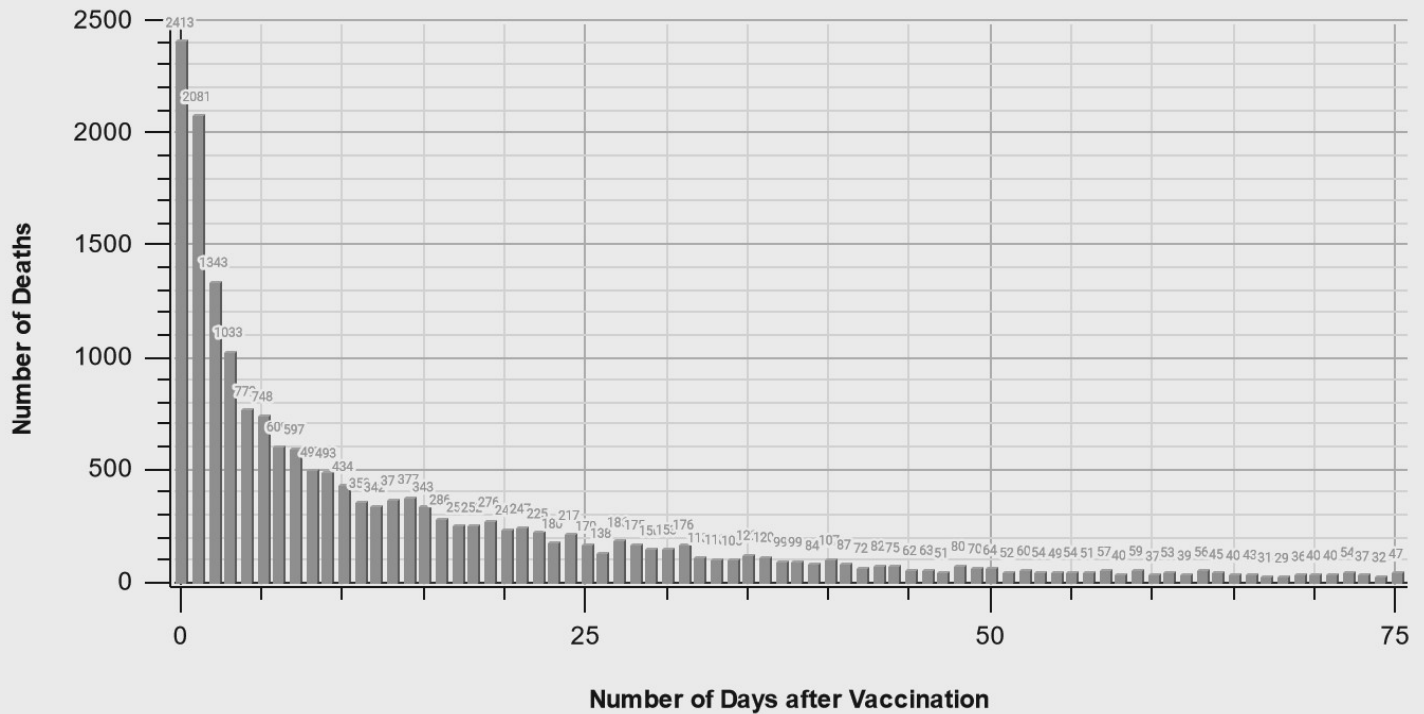
Data Obtained from CDC's VAERS and NVICP data & statistics report

■ Deaths/Million Doses ■ Doses (Millions)



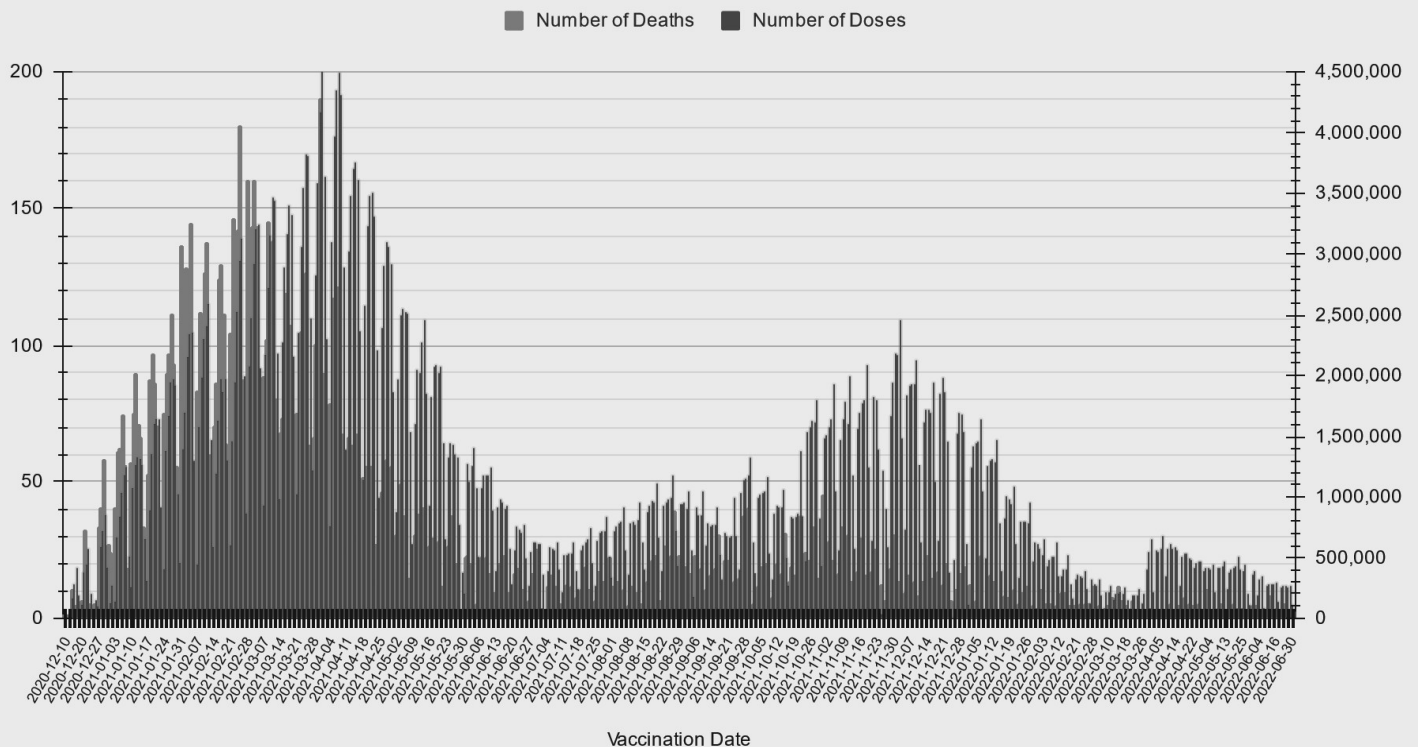
Number of Deaths by Days After COVID19 Vaccination

Data obtained from CDC's VAERS



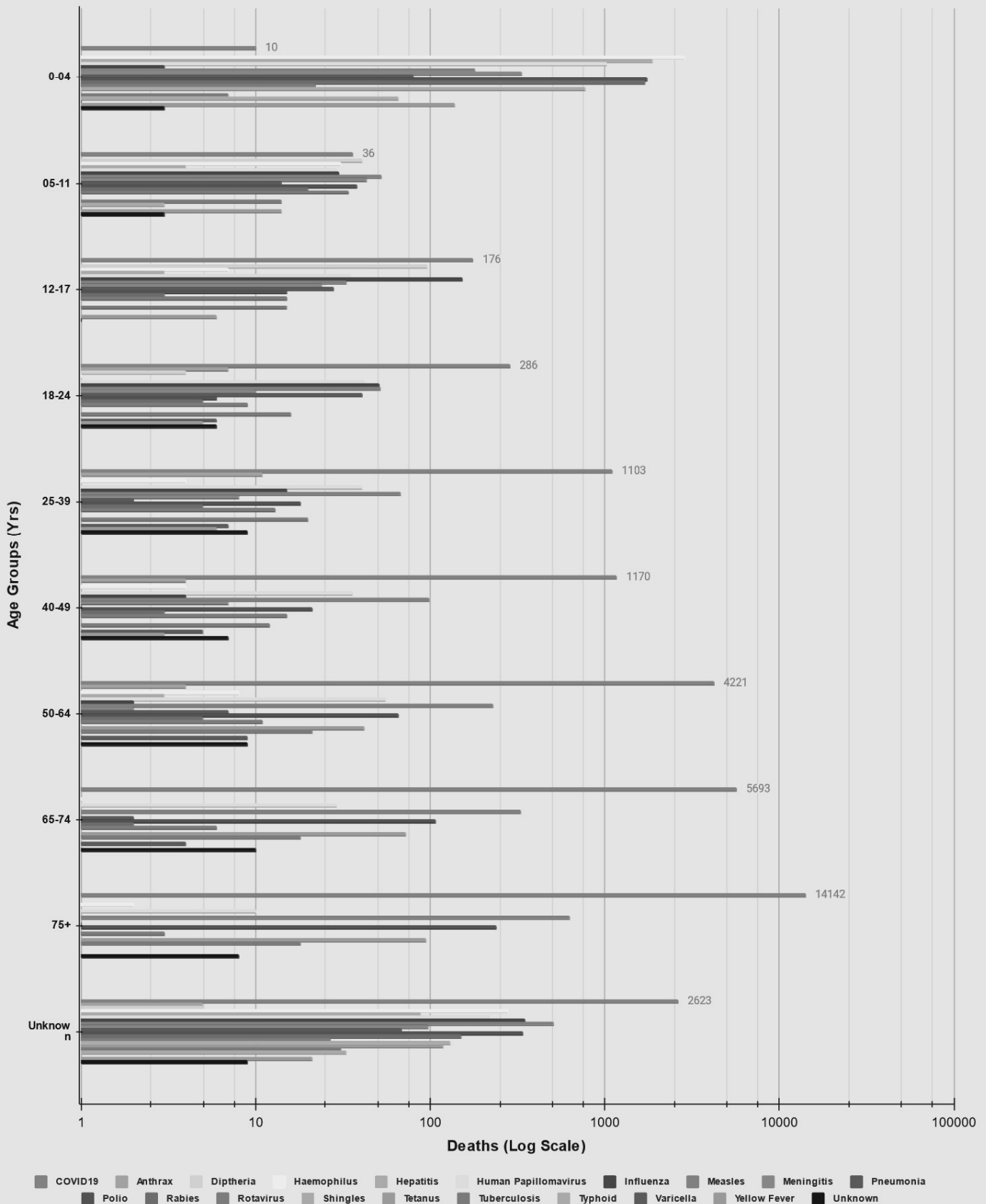
Reported Deaths Daily vs. Doses Administered for COVID19 Vaccines (US Data Only)

Data Obtained from CDC's VAERS & CDC



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

Data Obtained from CDC's VAERS

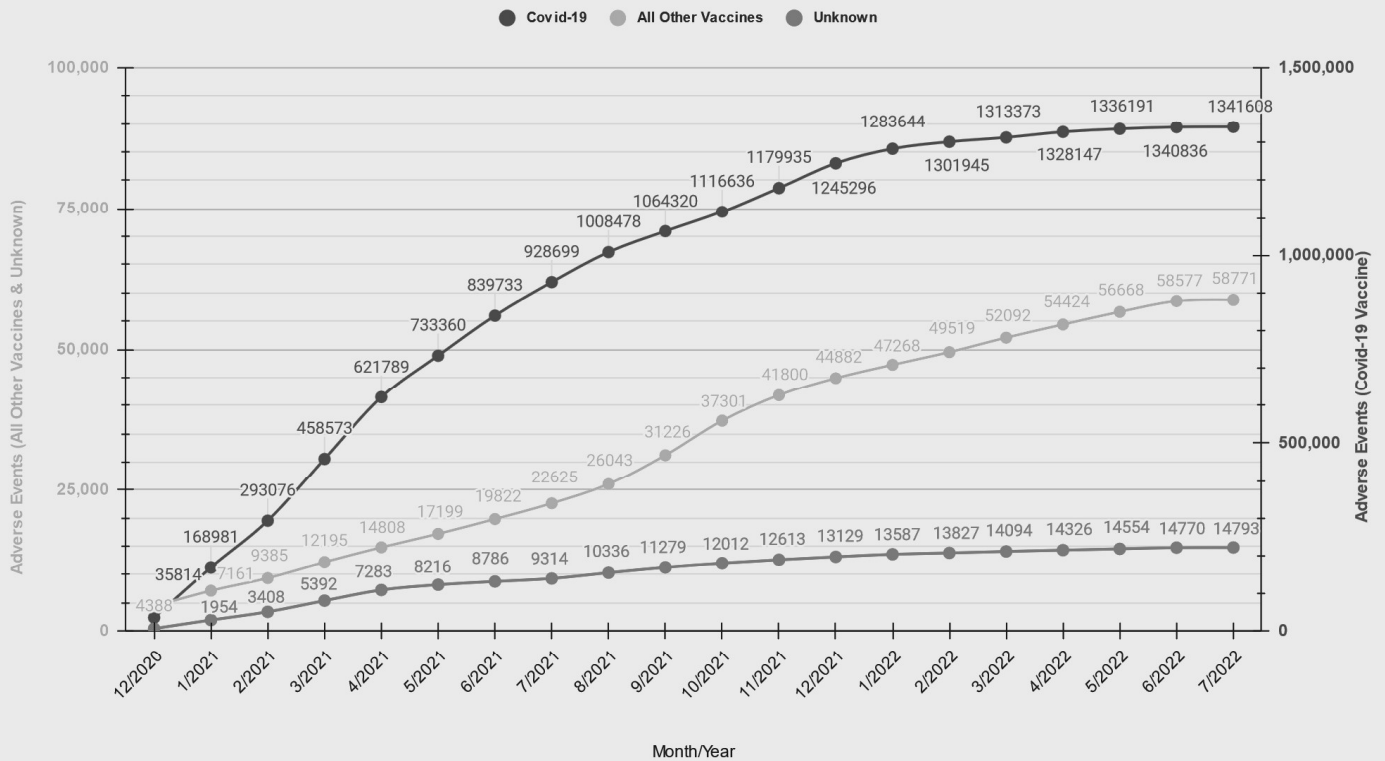


[Vaccines not included above (due to n < 20 overall deaths): Adenovirus, Cholera, Dengue Fever, Encephalitis, Ebola, Lyme, Mumps, Pertussis, Plague, Rubella, Smallpox]

Adverse Events

Cumulative Reported AEs After Vaccination - 1.5 Year Summary

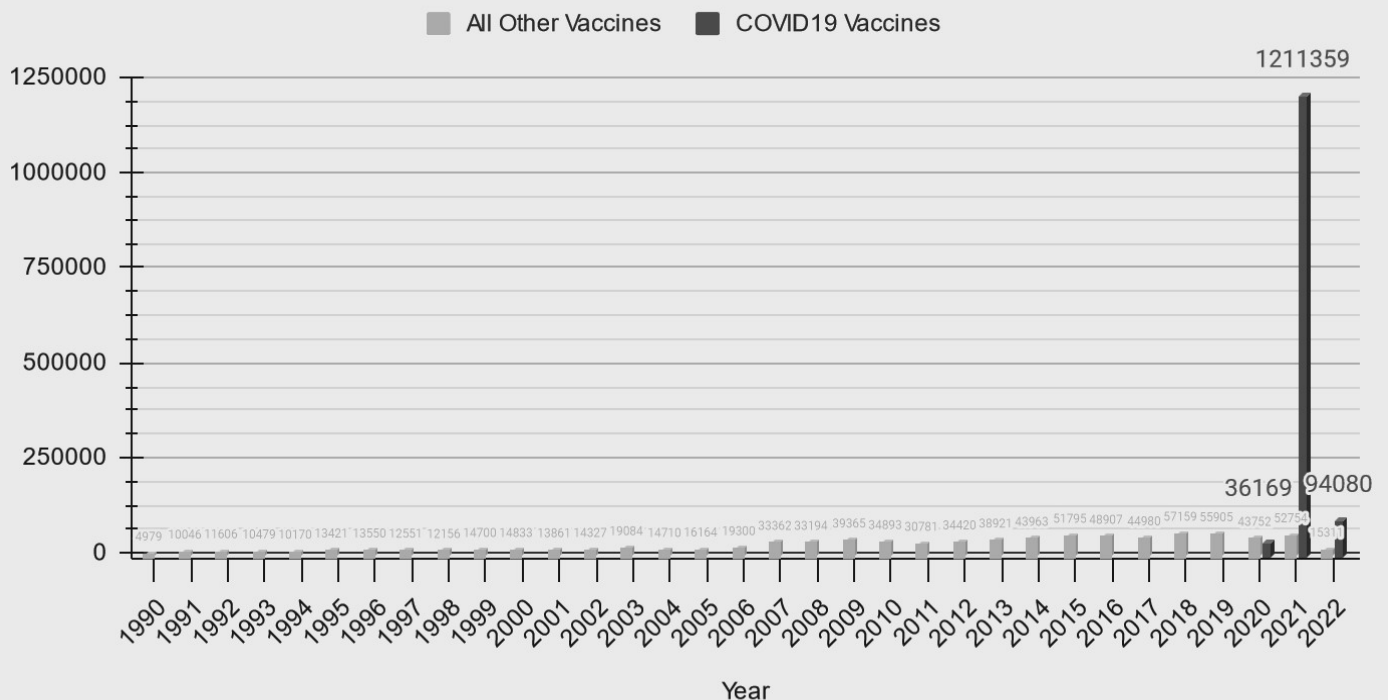
Data obtained from CDC's VAERS



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

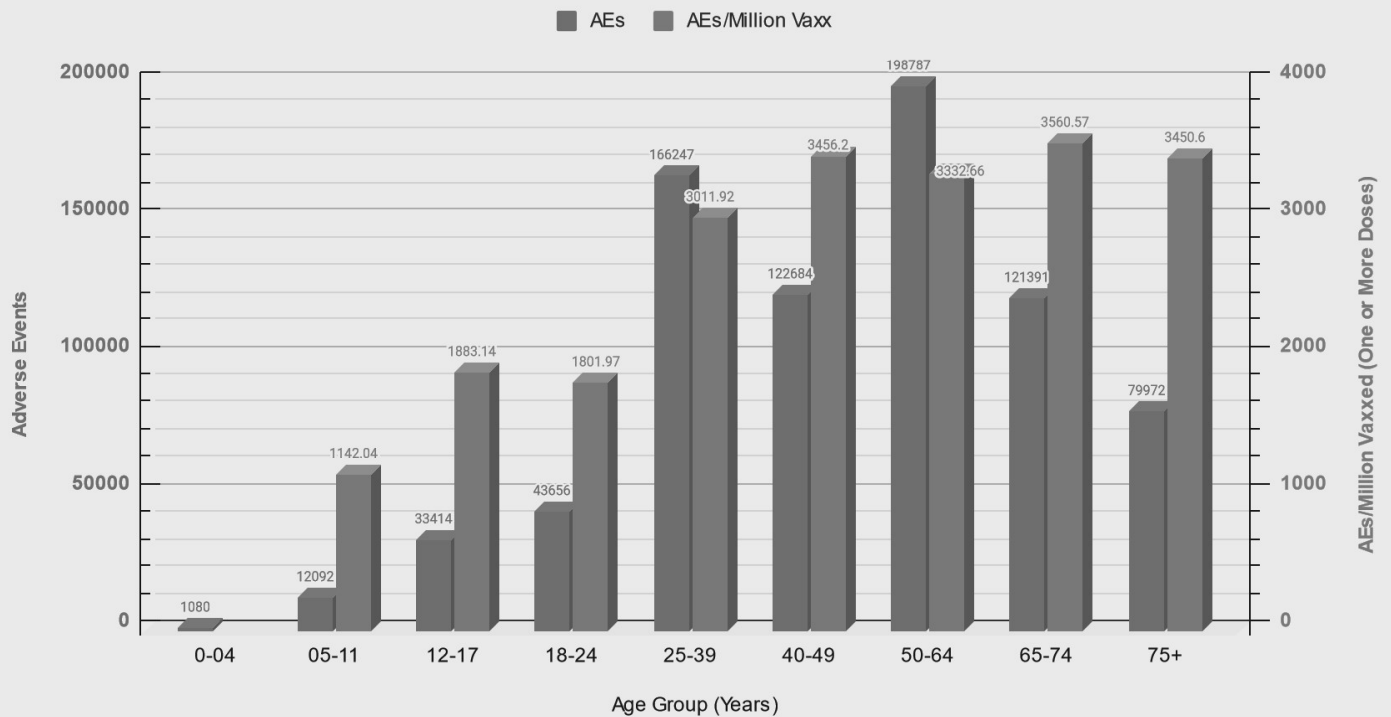
Reported Adverse Events by Year, COVID19 vs. All Other Vaccines

Data obtained from CDC's VAERS



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

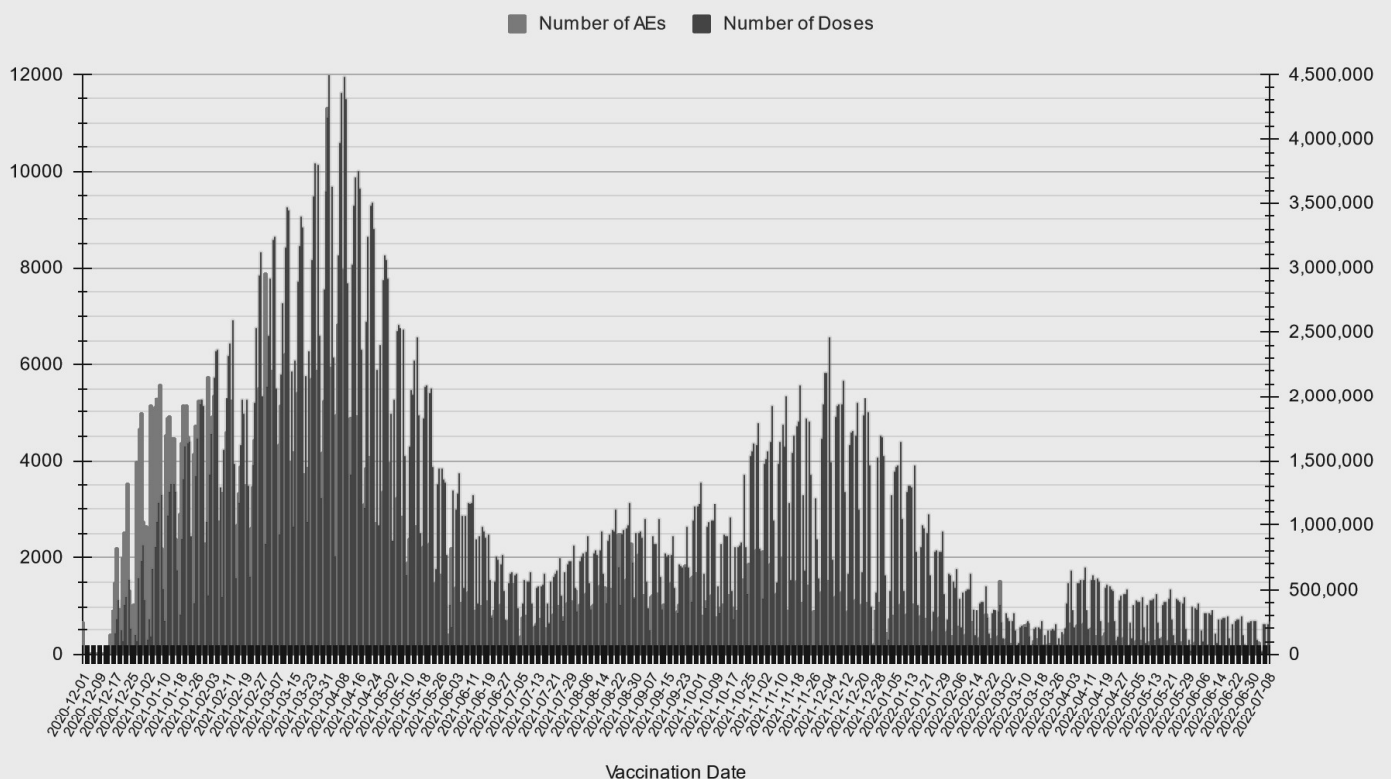
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[AEs/Million Vaxxed not available for 0-4 yo group as the vaccination data is not available from the CDC for that age range]

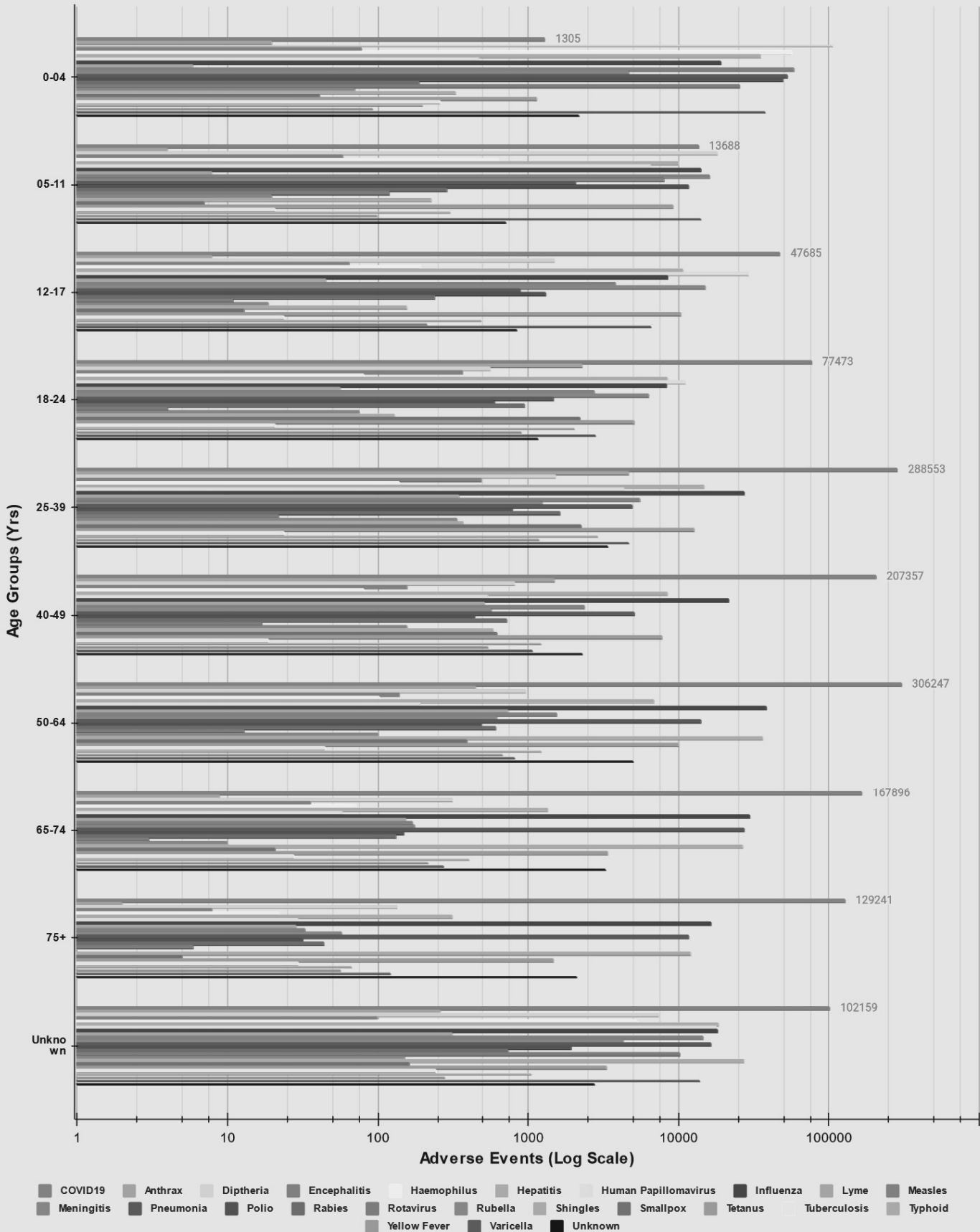
Reported Adverse Events Daily, COVID19 Vaccines vs. Doses Administered (US Data Only)

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*****

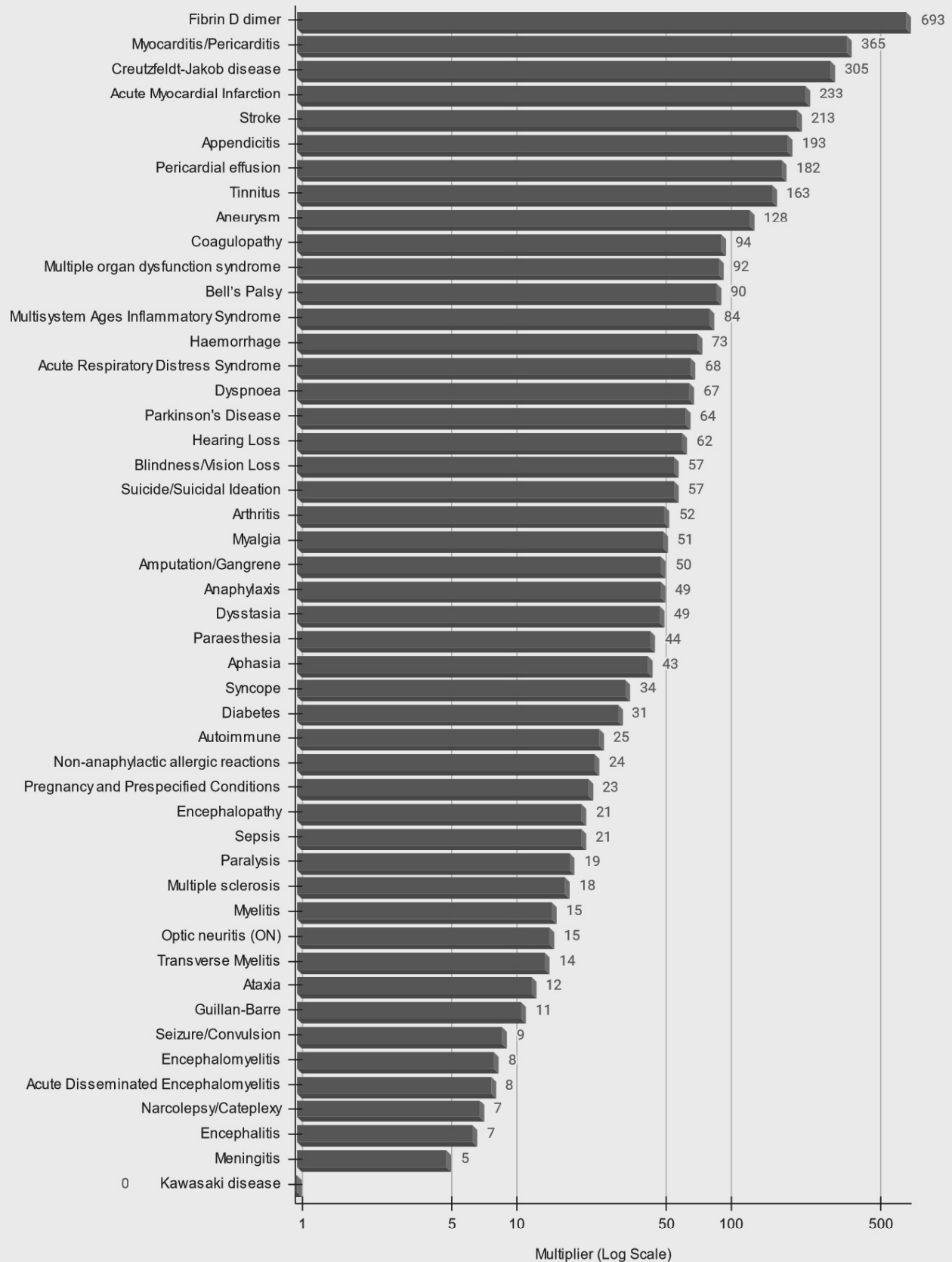
- Guillain-Barré syndrome
- Acute disseminated encephalomyelitis
- Transverse myelitis
- Encephalitis/myelitis/encephalomyelitis/meningoencephalitis/meningitis/encephalopathy
- Convulsions/seizures
- Stroke
- Narcolepsy and cataplexy
- Anaphylaxis
- Acute myocardial infarction
- Myocarditis/pericarditis
- 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	2773	56	4506	142
Acute Disseminated Encephalomyelitis	212	7	448	30
Transverse Myelitis	623	5	847	16
Encephalitis	2582	335	4870	473
Convulsions/Seizures	16379	533	30031	526
Stroke	15998	1451	1623	113
Narcolepsy, Cataplexy	310	6	384	3
Anaphylaxis	49809	189	41393	172
Acute Myocardial Infarction (Heart Attack)	5288	1495	342	155
Myocarditis/Pericarditis	22816	325	977	88
Autoimmune Disease	2001	33	1121	16
Other Acute Demyelinating Diseases	391	7	862	25
Pregnancy and birth outcomes (Miscarriages)	4564	143	2896	49
Other Allergic Reactions	2432	3	2069	3
Thrombocytopenia	6075	473	3607	135
Disseminated Intravascular Coagulation	262	89	60	25
Venous Thromboembolism	25351	1499	681	114
Arthritis and Arthralgia/Joint Pain	80879	276	29118	78
Kawasaki Disease	94	2	717	9
Systemic Inflammatory Response Syndrome	896	61	367	5

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

(Data from VAERS through 7/1/22)



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 ^[3]	# of Deaths	Risk of Death	Percentage	Deaths/Mill. Vaccinations ^[3]
Flu	167,447,642 ^[1]	33	1 in 5,074,171	0.000020%	.20
COVID19	173,467,605 ^[2]	5,796	1 in 29,929	0.003341%	33.41
Risk of dying from COVID vaccine is 170 times greater than Flu Vaccine					

Vaccine Type	# of Vaccinations ^[3]	# of Adverse Reactions	Risk of Adverse Reaction	Percentage	AEs/Mill. Vaccinations ^[3]
Flu	167,447,642	9,728	1 in 17,213	0.00581%	58.10
COVID19	173,467,605	565,475	1 in 307	0.325983%	3,259.83
Risk of adverse reaction from COVID vaccine is 56 times greater than Flu Vaccine					

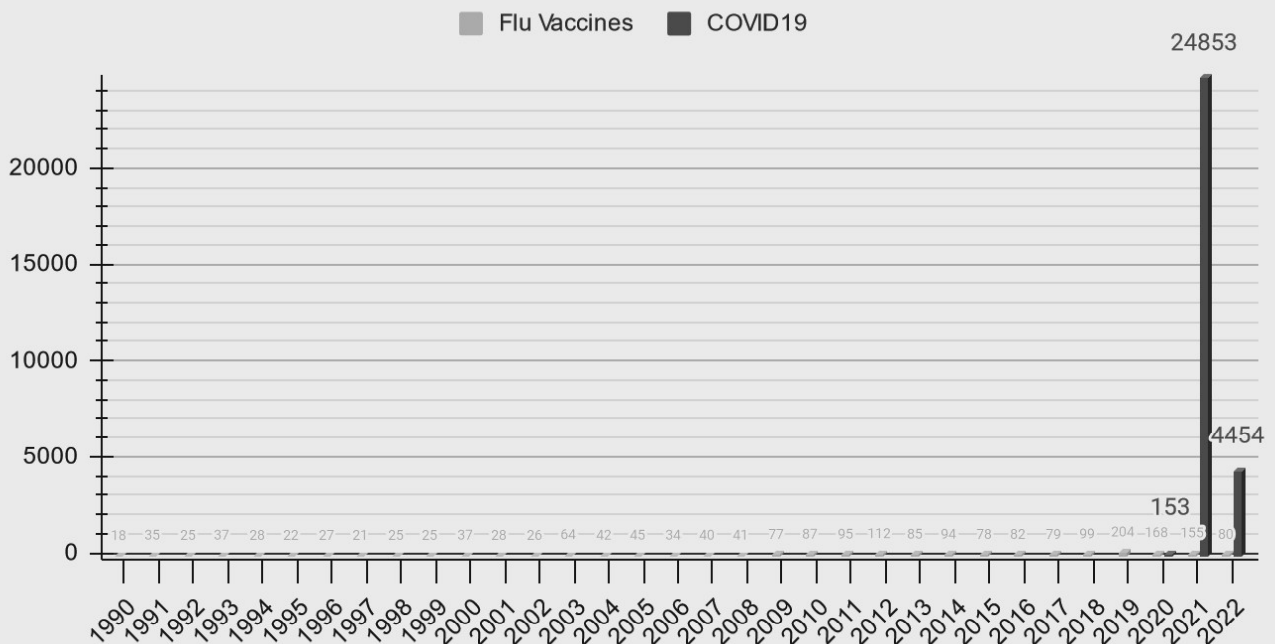
[1] number of flu vaccinations based on estimated flu vaccine coverage data from [CDC](#) and estimated population data from [US Census](#). Yearly flu vaccination data covers a period of time from 7/1 to 5/31 of the following year.

[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)	2563	8.67%	5.16	1649	18,842,565	87.51	497	2/26/21
Moderna	7770	26.28%	13.7	5693	225,820,815	25.21	567	12/18/20
Pfizer/Biontech	19066	64.48%	33.22	6246	354,009,502	17.64	574	12/11/20
Unknown	170	0.57%		56	616,231			

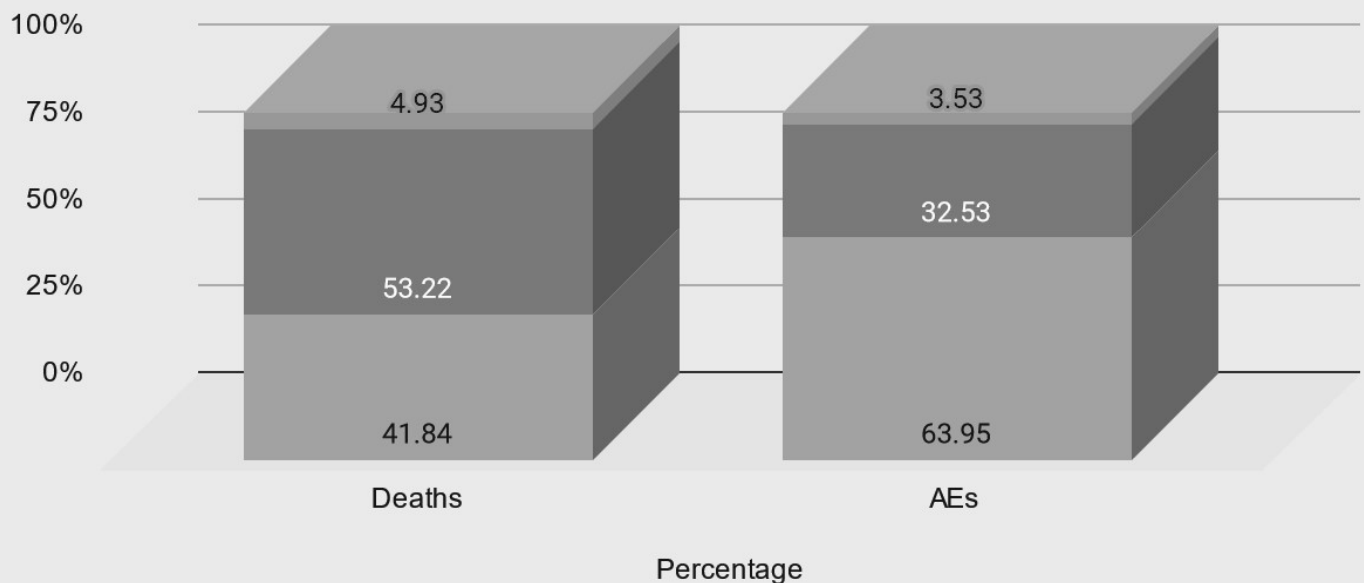
Manufacturer	# of AEs	% AEs	Average AEs/Day	# US AEs	# US Doses Administered	Average US AEs/Mill. Doses	Days since EUA approval	EUA Approval Date
Janssen (JNJ)	92190	6.84%	185.49	69756	18,842,565	3702.04	497	2/26/21
Moderna	460501	34.17%	812.17	384034	225,820,815	1700.61	567	12/18/20
Pfizer/Biontech	789167	58.56%	1374.86	388872	354,009,502	1098.48	574	12/11/20
Unknown	5706	0.42%		3111	616,231			

Vaccine Data by Gender

Gender Distribution of Reported Deaths and AEs after COVID19 Vaccination

All Data Obtained from CDC's VAERS

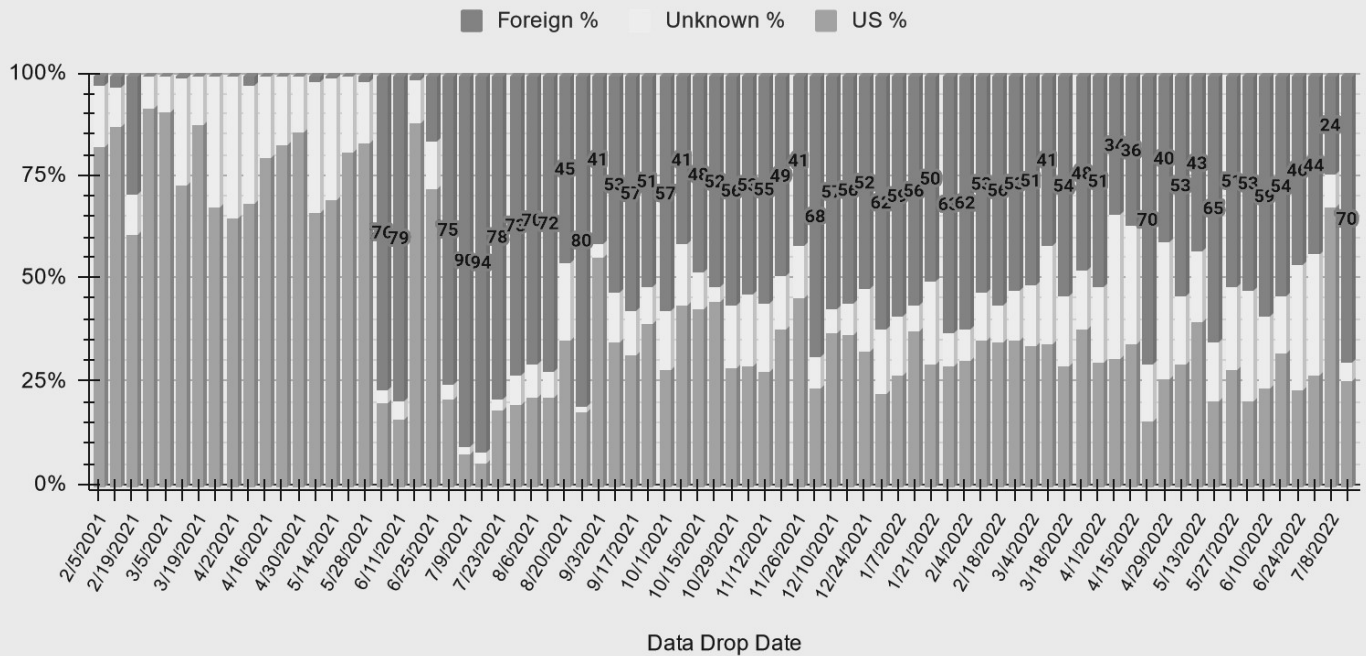
Unknown Male Female



Vaccine Data by Location

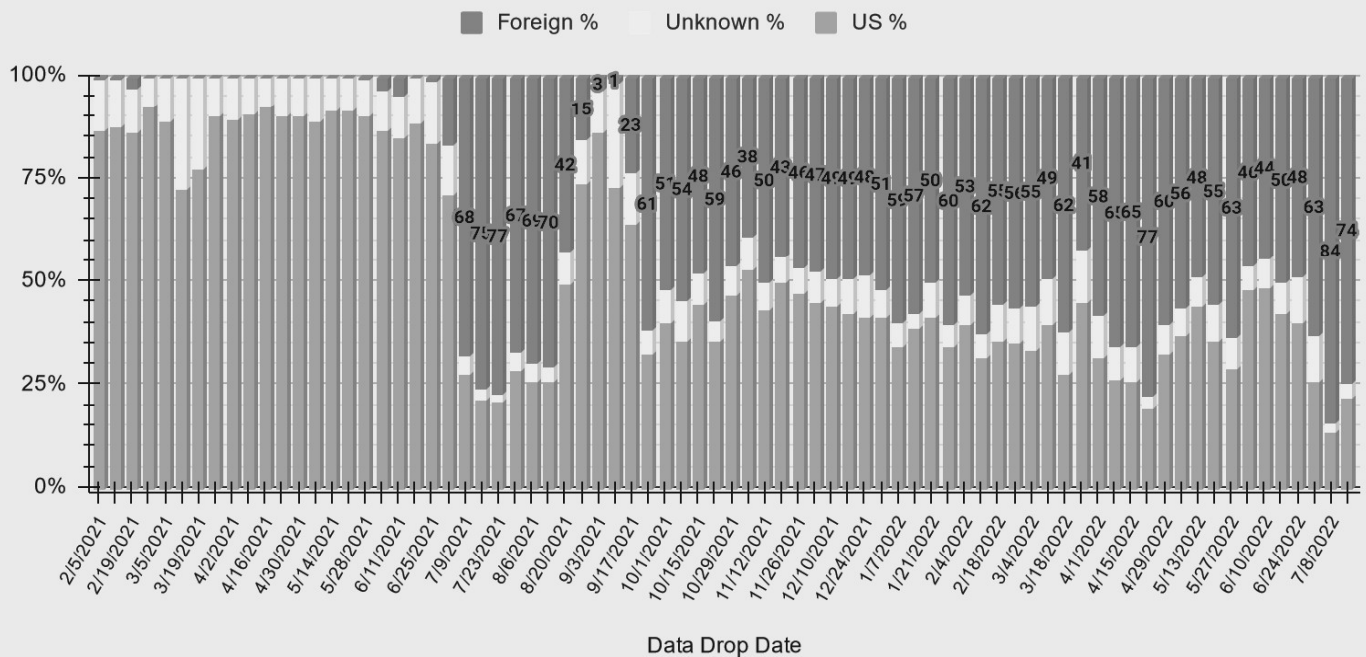
Distribution by Location of Reported Deaths after COVID19 Vaccination

All Data Obtained from CDC's VAERS



Distribution by Location of Reported Adverse Events after COVID19 Vaccination

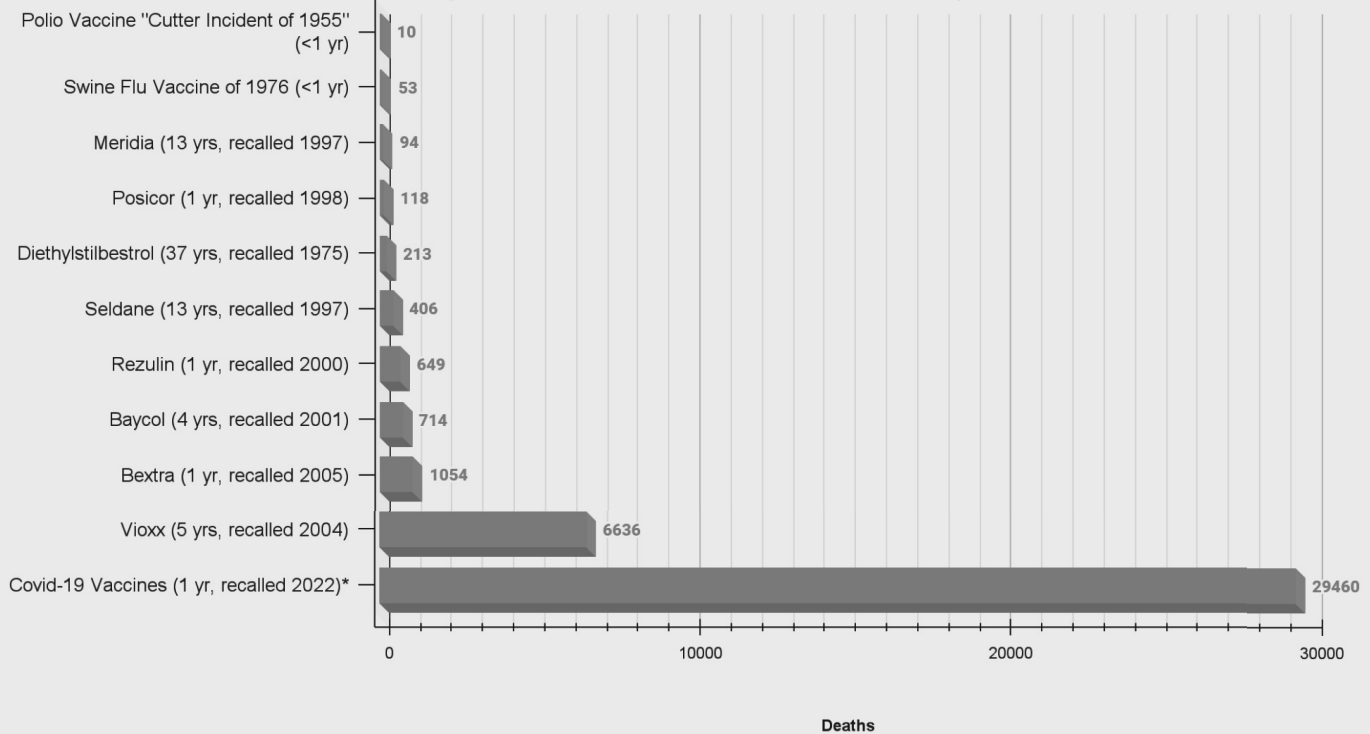
All Data Obtained from CDC's VAERS



Recall History

Reported Deaths for Major Drug/Vaccine Recalls

(Data Obtained from VAERS and FAERS)



*Projected

Sources

Visit: 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
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/covaxview/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>

VAERS Summary for COVID-19 Vaccines through 7/1/2022

All charts and tables below reflect the data release on 7/8/2022 from the VAERS website, which includes U.S. and foreign data, and is updated through: **7/1/2022**.

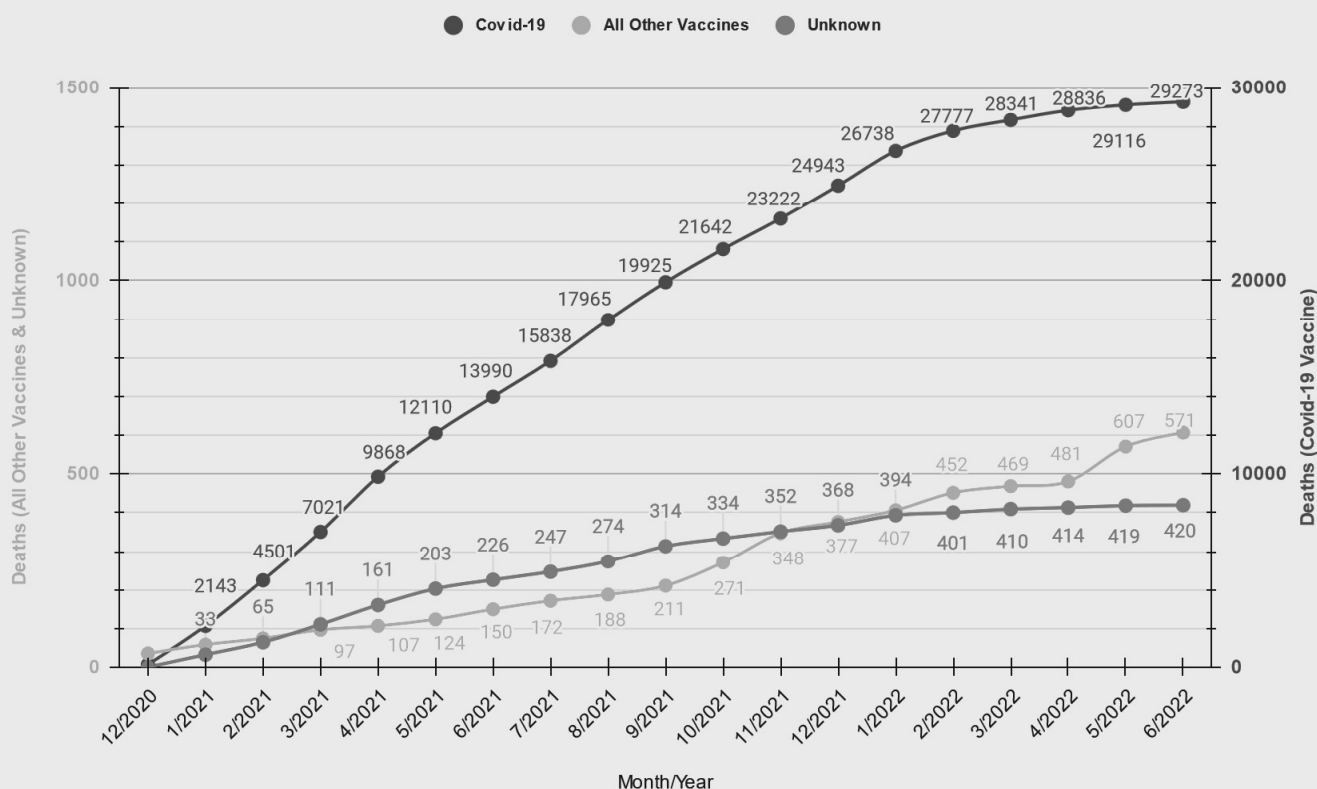
High-Level Summary	COVID19 vaccines (Dec'2020 - present)	All other vaccines 1990-present	US Data Only COVID19 vaccines (Dec'2020 - present)	US Data Only All other vaccines 1990-present
Number of Adverse Reactions	1,328,985	886,715	839,300	770,433
Number of Life-Threatening Events	32,598	14,605	12,851	10,006
Number of Hospitalizations	165,715	84,683	64,930	39,376
Number of Deaths	29,273*	9,850*	13,547	5,371
# of Permanent Disabilities after vaccination	54,692	21,195	14,352	13,089
Number of Office Visits	197,364	52,060	165,088	49,686
# of Emergency Room/Department Visits	131,260	213,655	100,914	203,972
# of Birth Defects after vaccination	1,120	200	529	108

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

Deaths

Cumulative Reported Deaths After Vaccination - 1.5 Year Summary

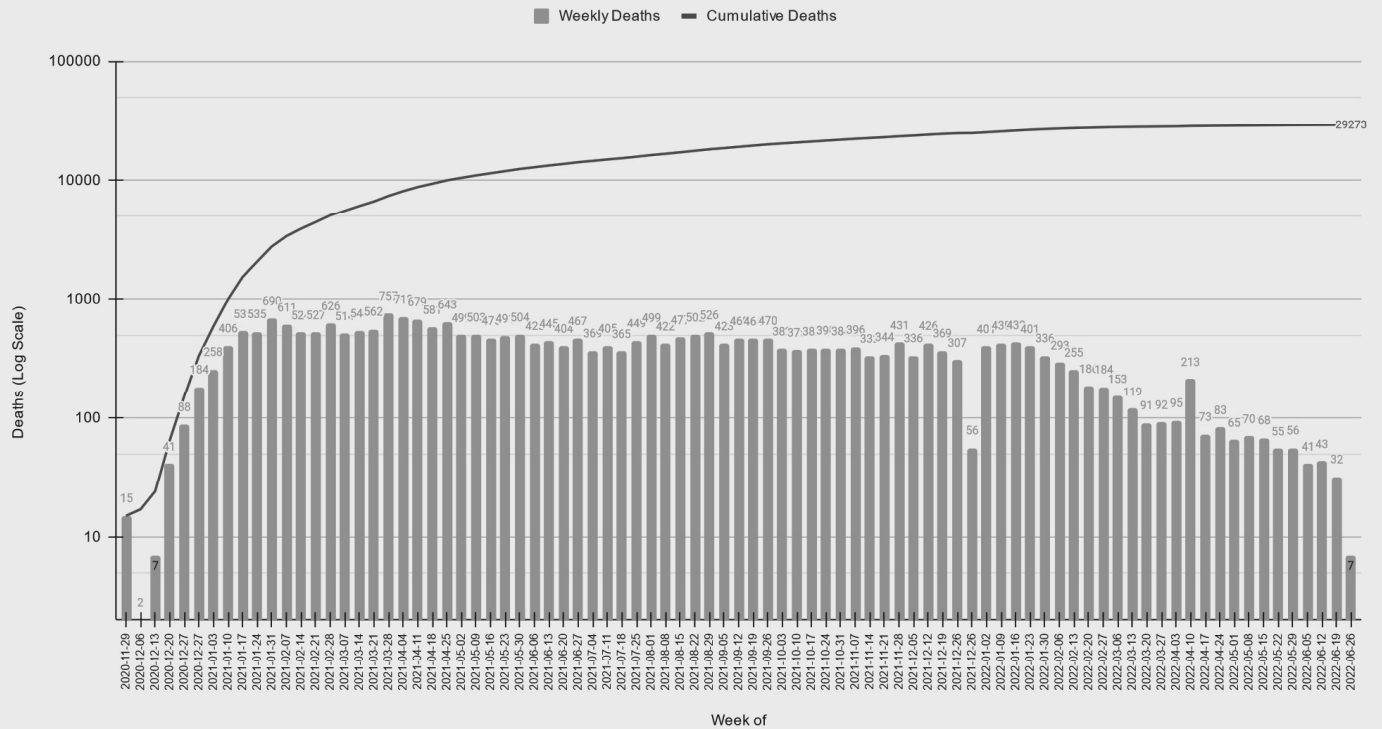
Data obtained from CDC's VAERS



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

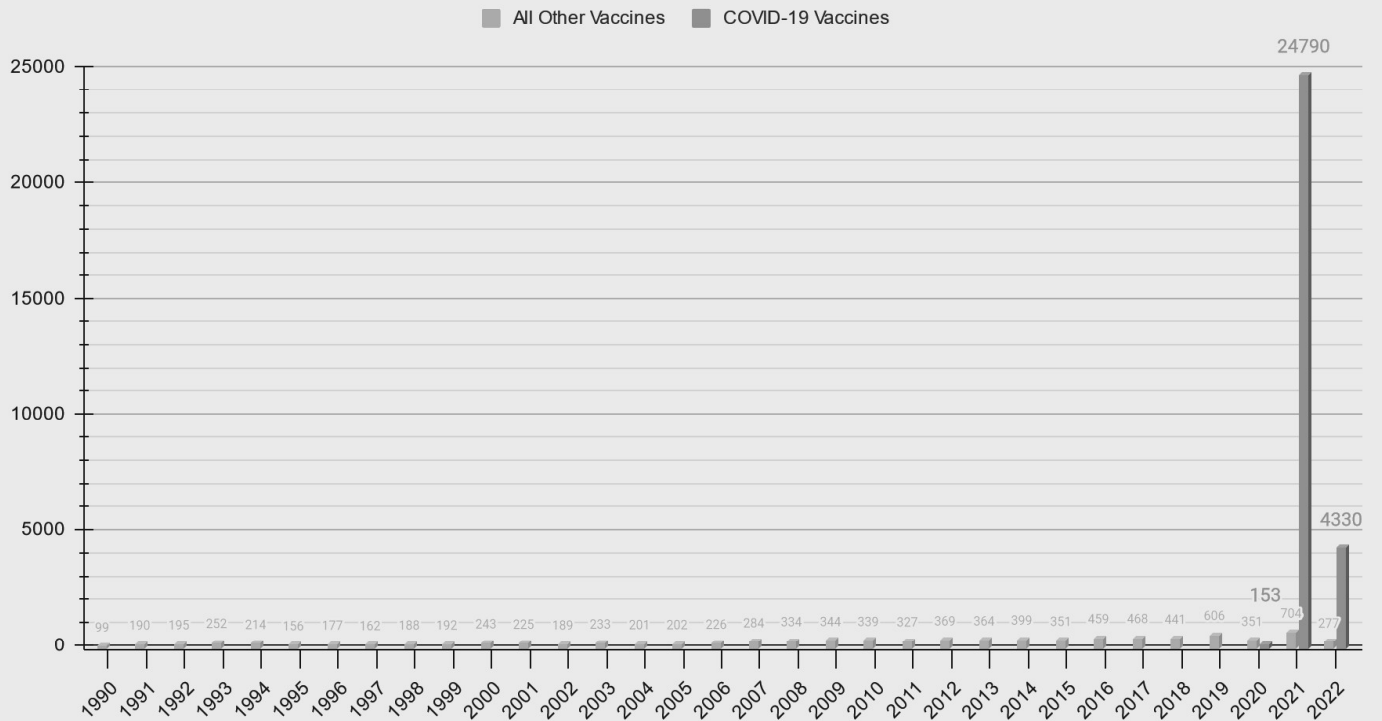
Reported Deaths by Week, COVID19 Vaccines

Data Obtained from CDC's VAERS



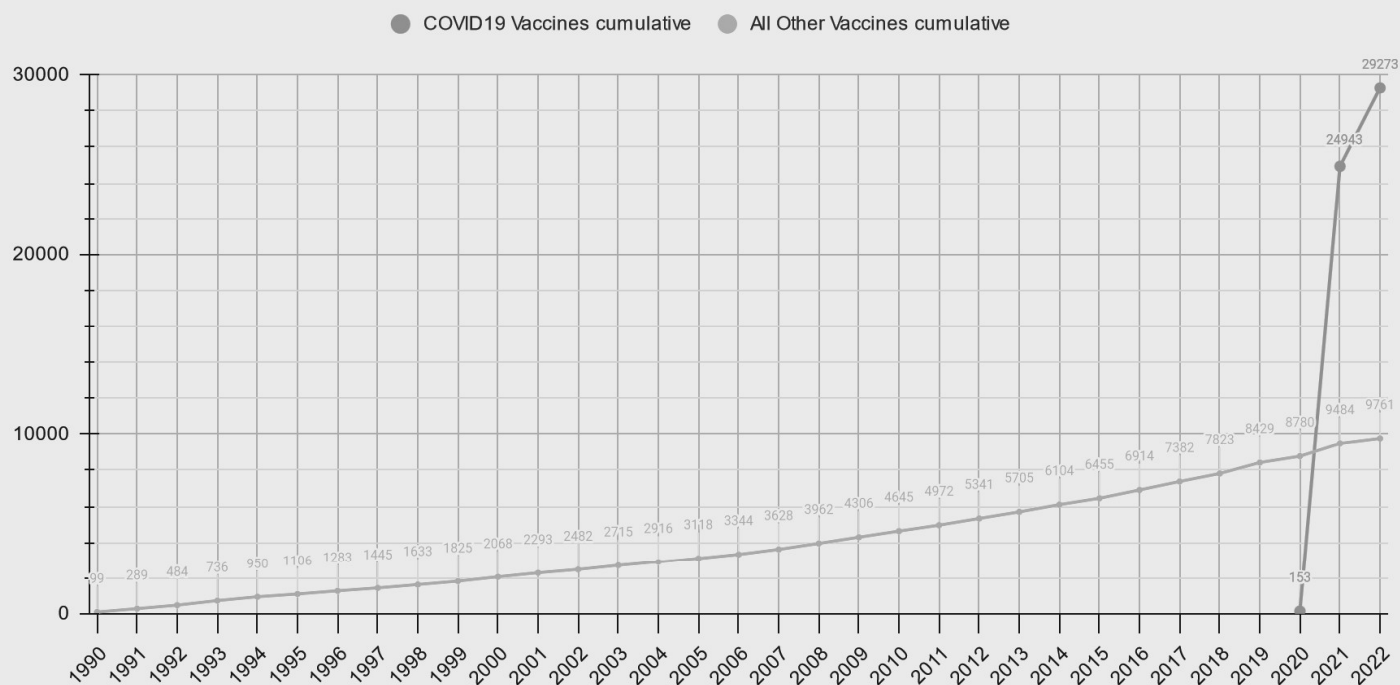
Reported Deaths by Year, COVID19 vs. All Other Vaccines

Data Obtained from CDC's VAERS



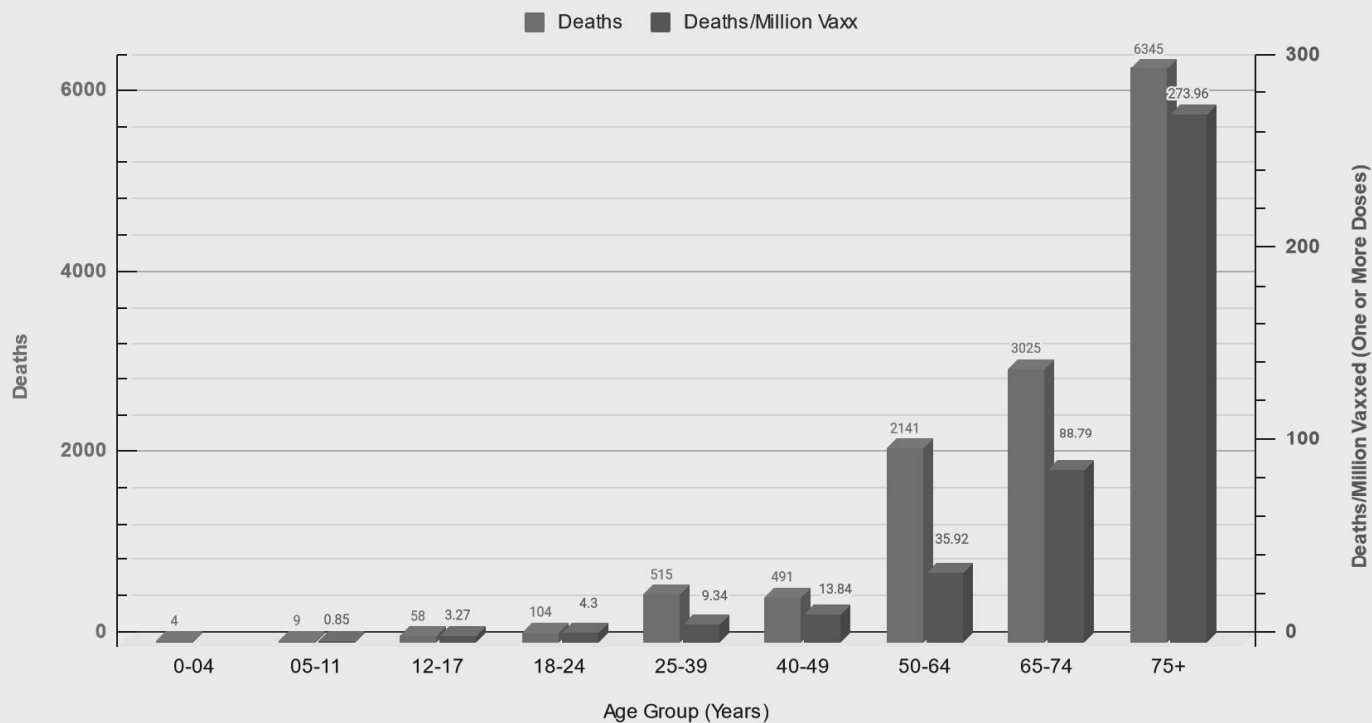
Reported Deaths by Year, COVID19 vs. All Other Vaccines, Cumulatively

Data Obtained from CDC's VAERS



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

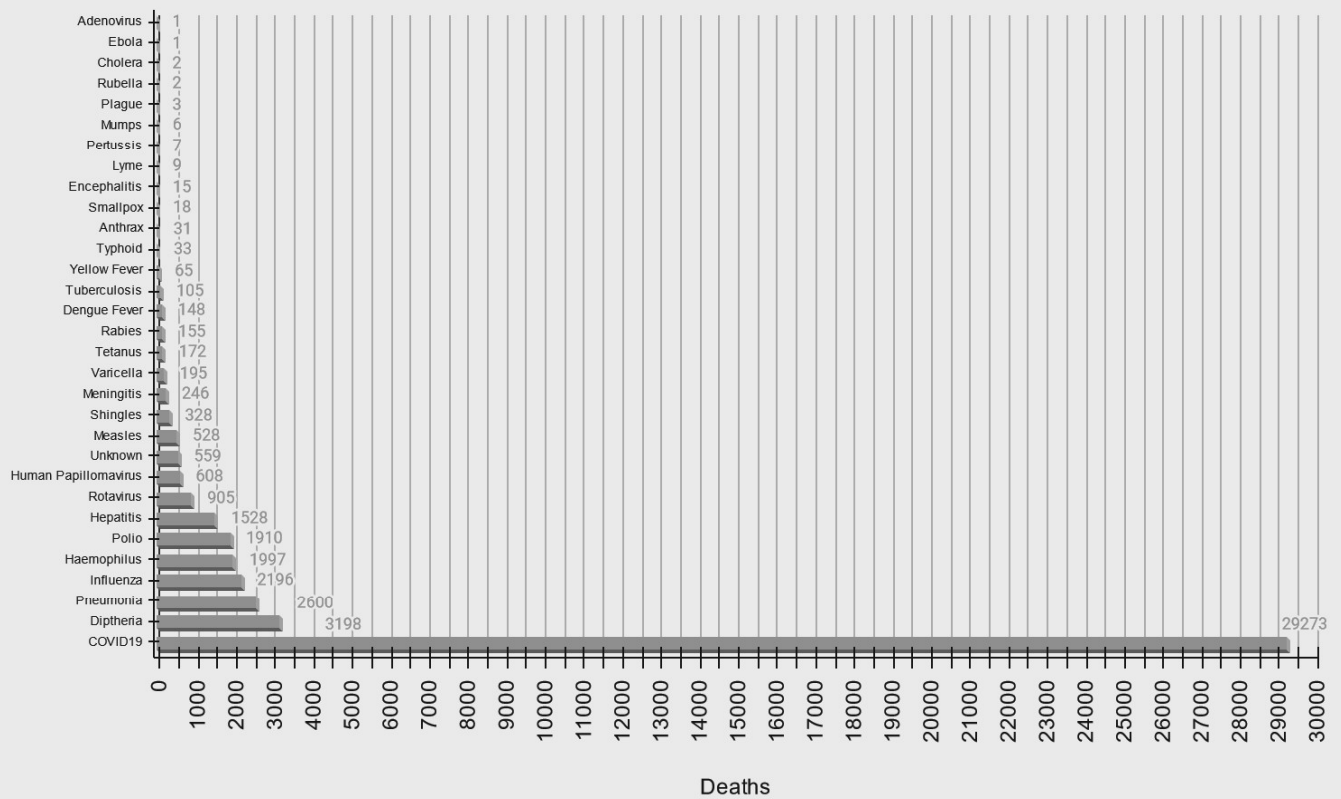
Data Obtained from CDC's VAERS



[Deaths/Million Vaxxed not available for 0-4 yo group as the vaccination data is not available from the CDC for that age range]

Reported Deaths By Vaccine Type, 1990-Present

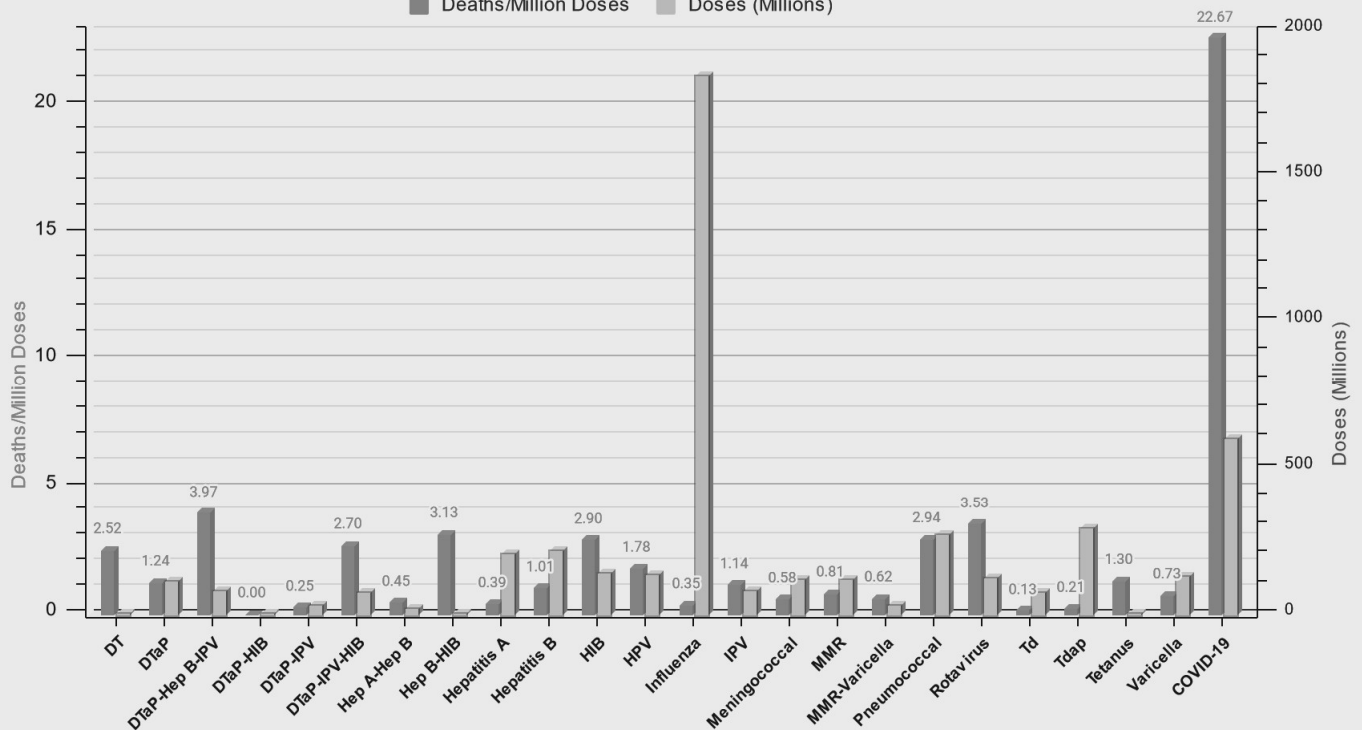
Data Obtained from CDC's VAERS



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

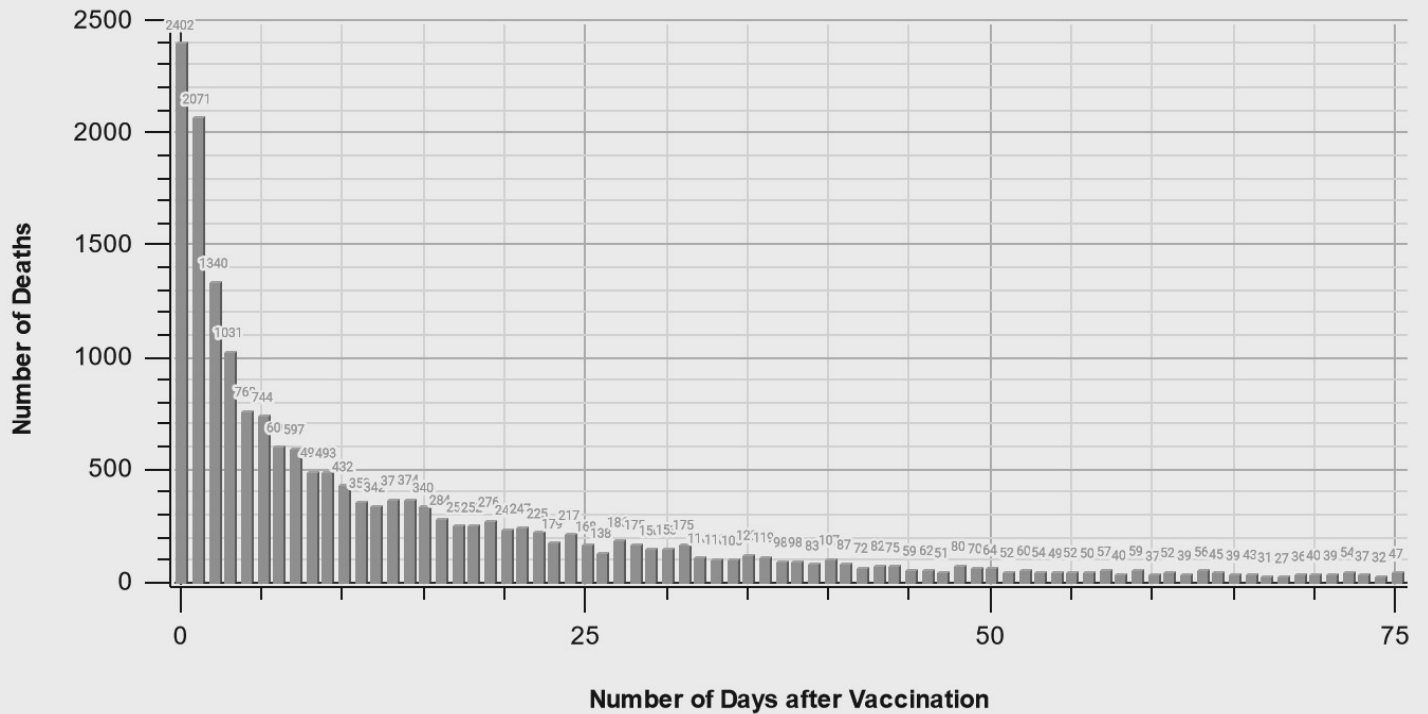
Data Obtained from CDC's VAERS and NVICP data & statistics report

■ Deaths/Million Doses ■ Doses (Millions)



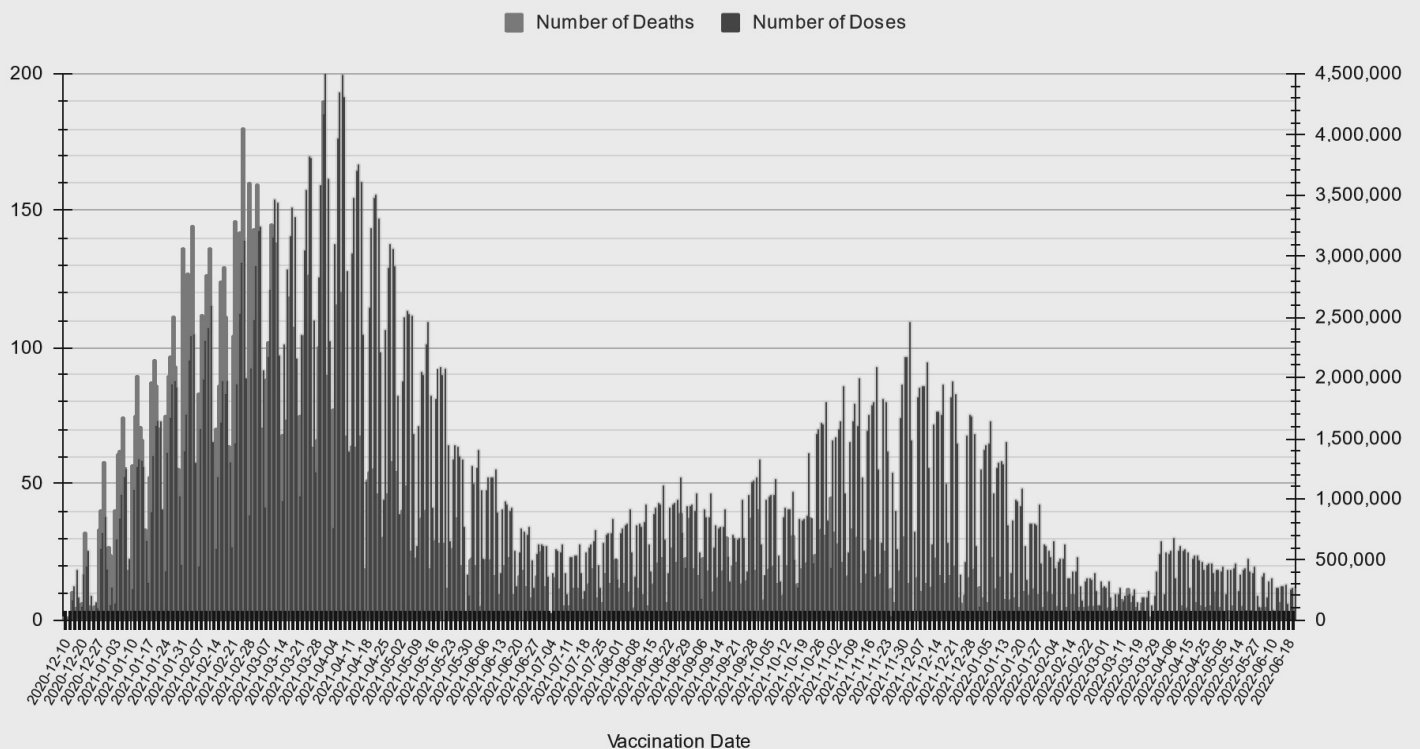
Number of Deaths by Days After COVID19 Vaccination

Data obtained from CDC's VAERS



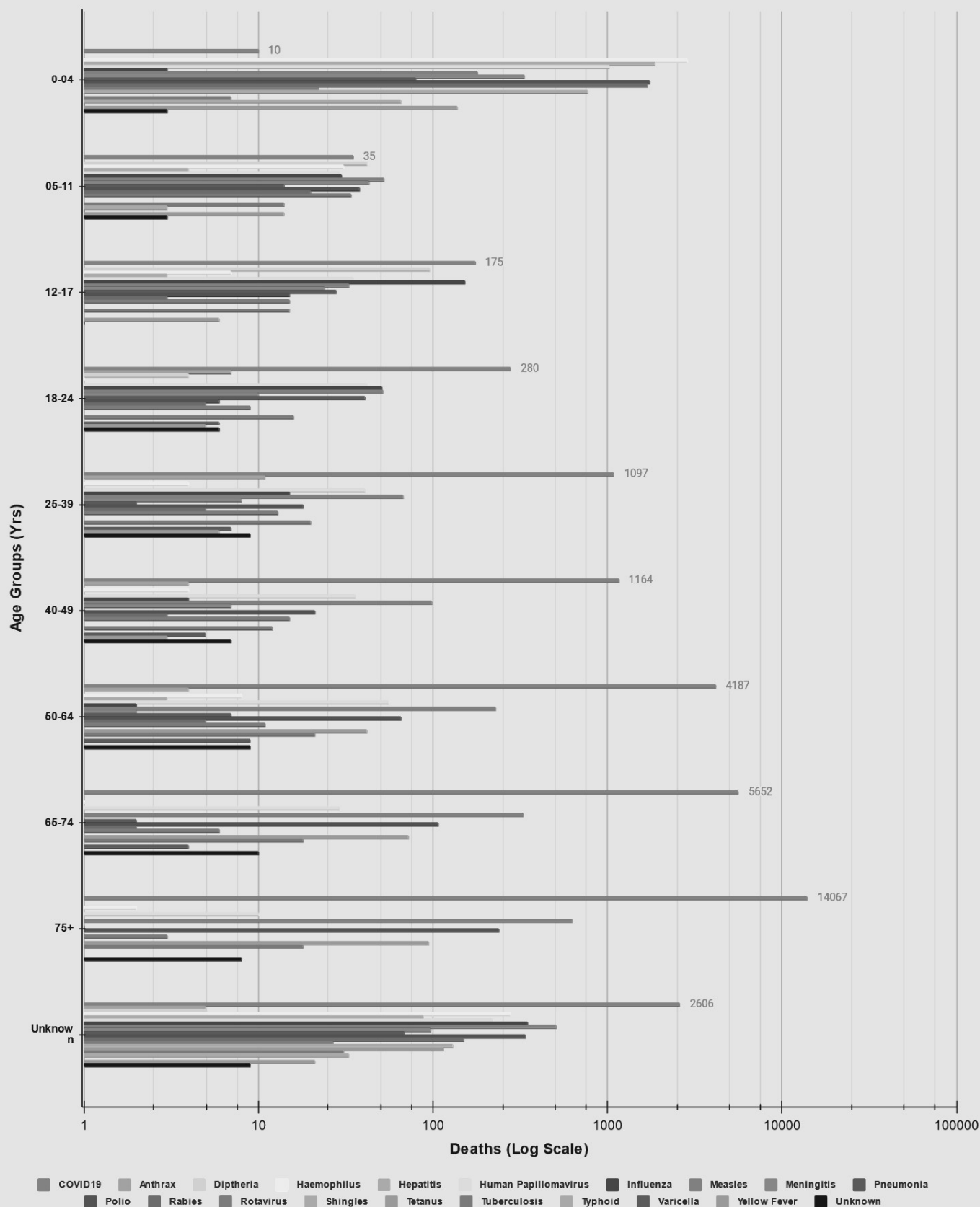
Reported Deaths Daily vs. Doses Administered for COVID19 Vaccines (US Data Only)

Data Obtained from CDC's VAERS & CDC



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

Data Obtained from CDC's VAERS

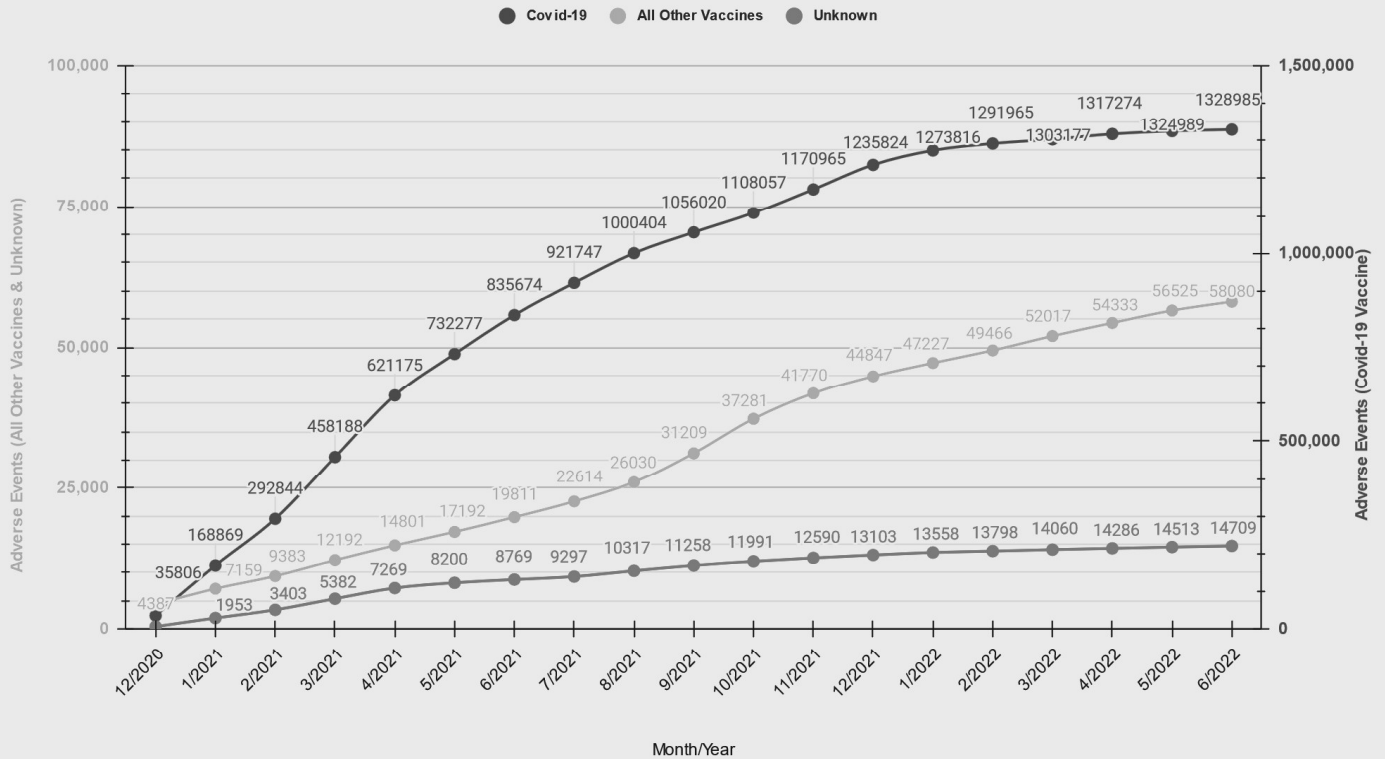


[Vaccines not included above (due to n < 20 overall deaths): Adenovirus, Cholera, Dengue Fever, Encephalitis, Ebola, Lyme, Mumps, Pertussis, Plague, Rubella, Smallpox]

Adverse Events

Cumulative Reported AEs After Vaccination - 1.5 Year Summary

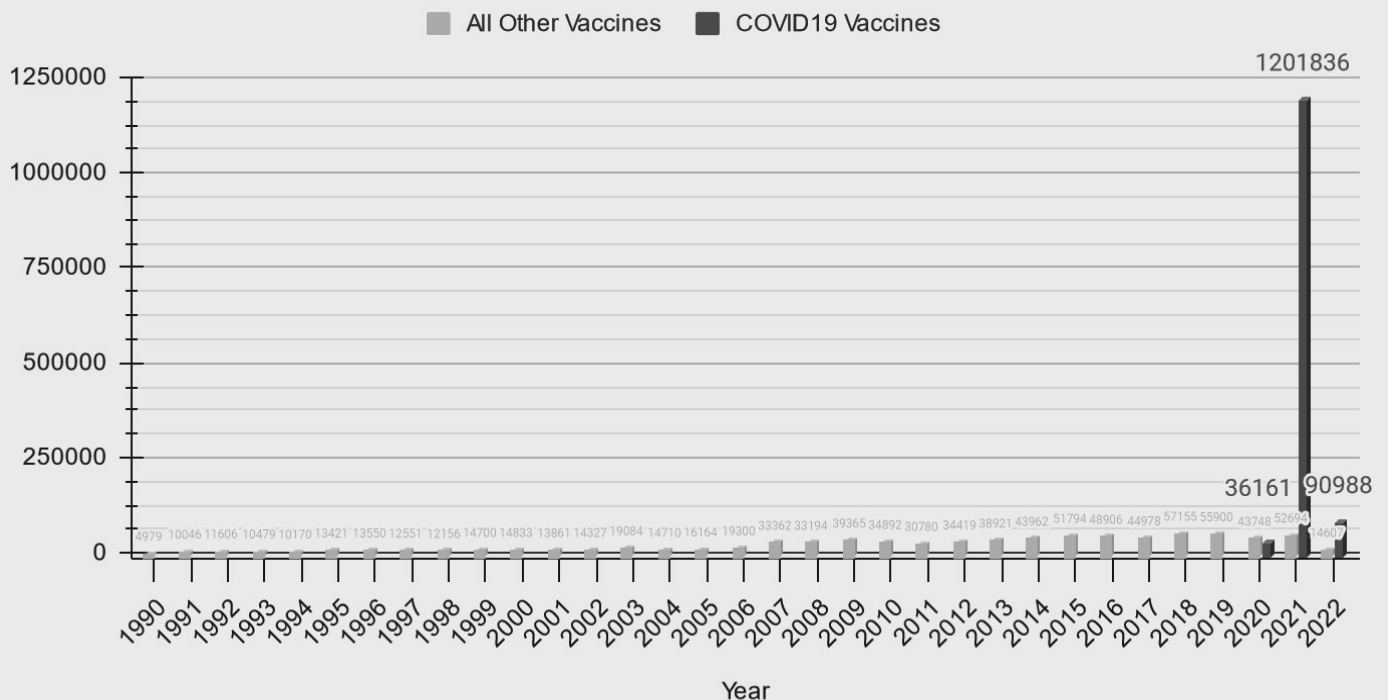
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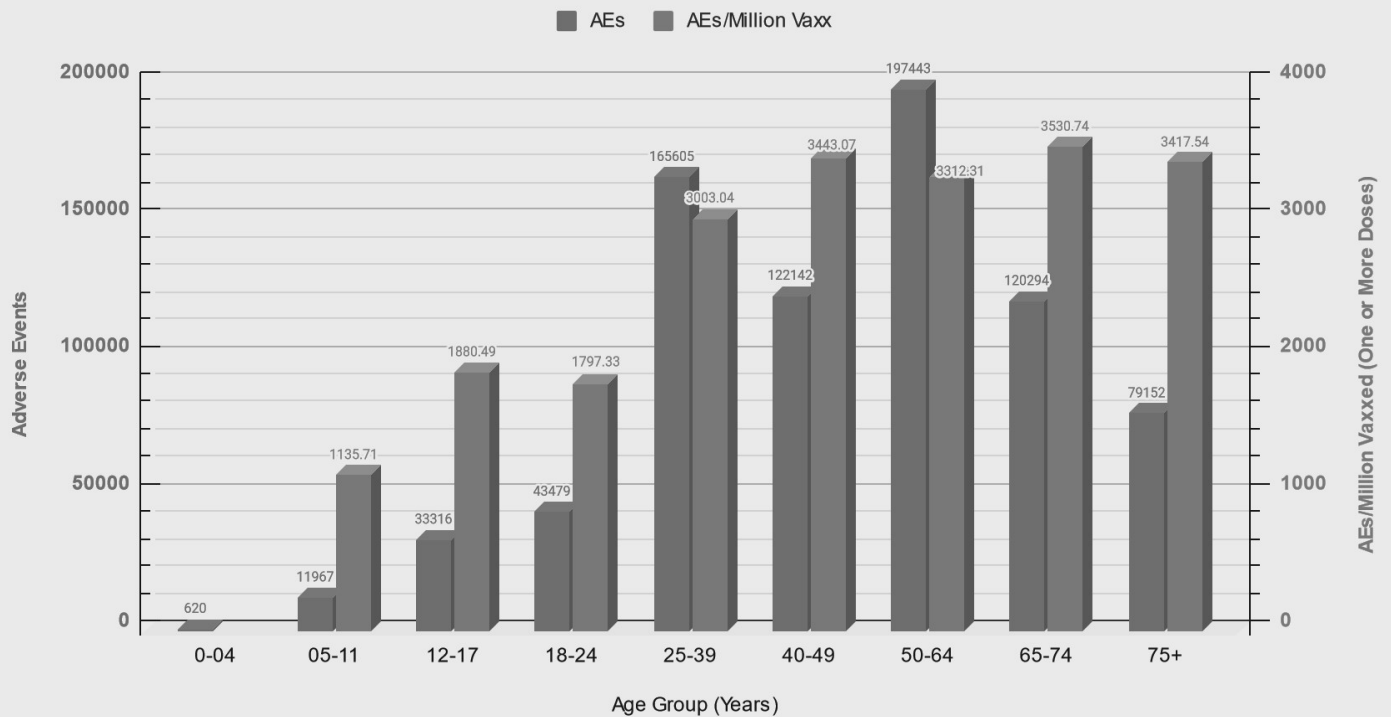
Reported Adverse Events by Year, COVID19 vs. All Other Vaccines

Data obtained from CDC's VAERS



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

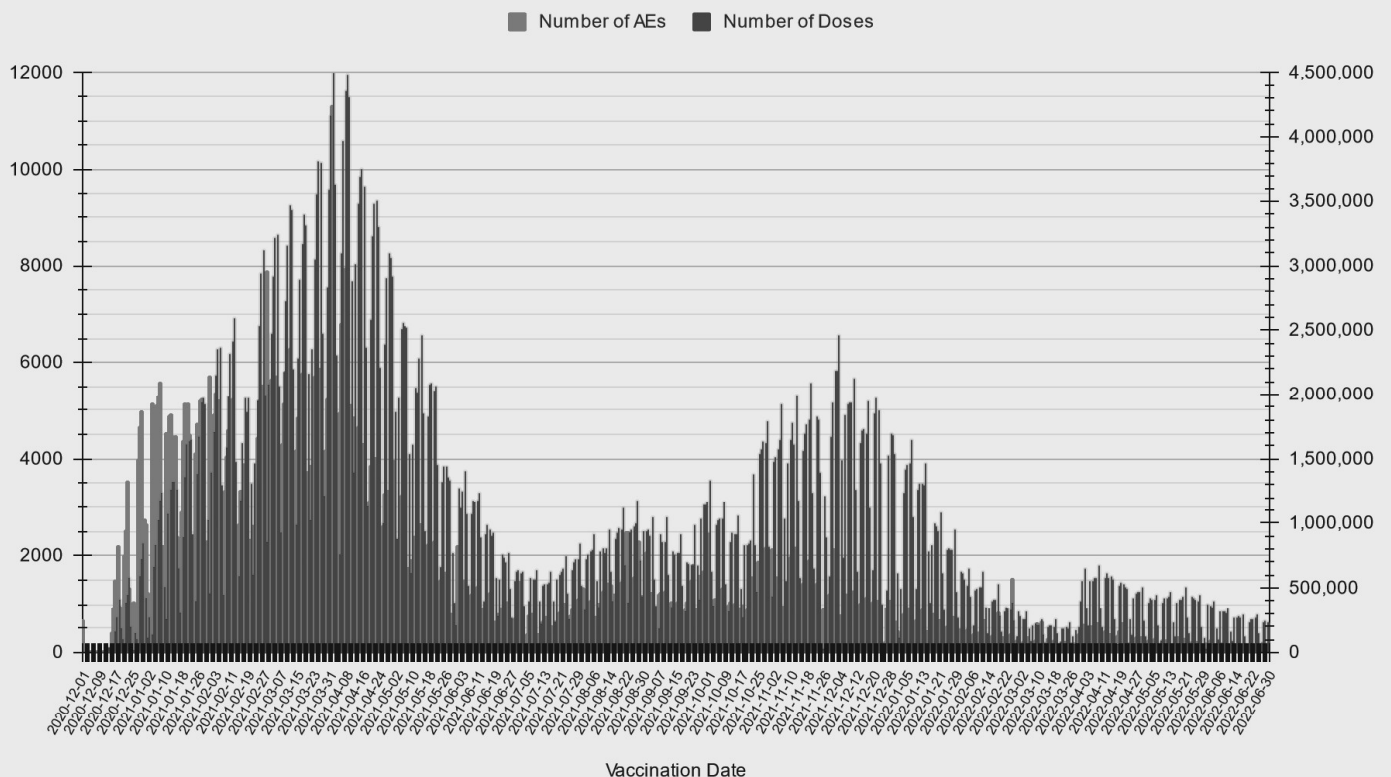
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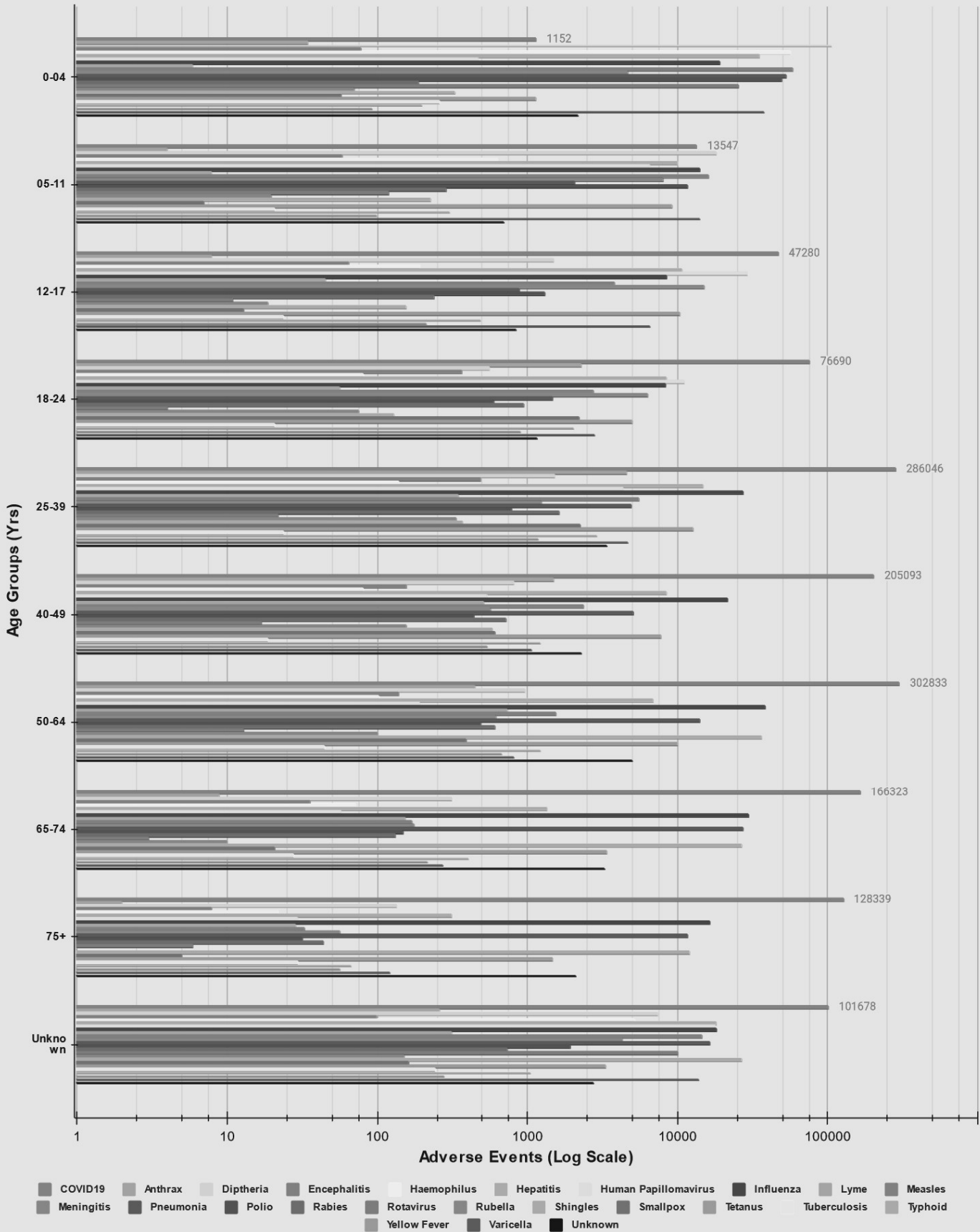
Reported Adverse Events Daily, COVID19 Vaccines vs. Doses Administered (US Data Only)

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*****

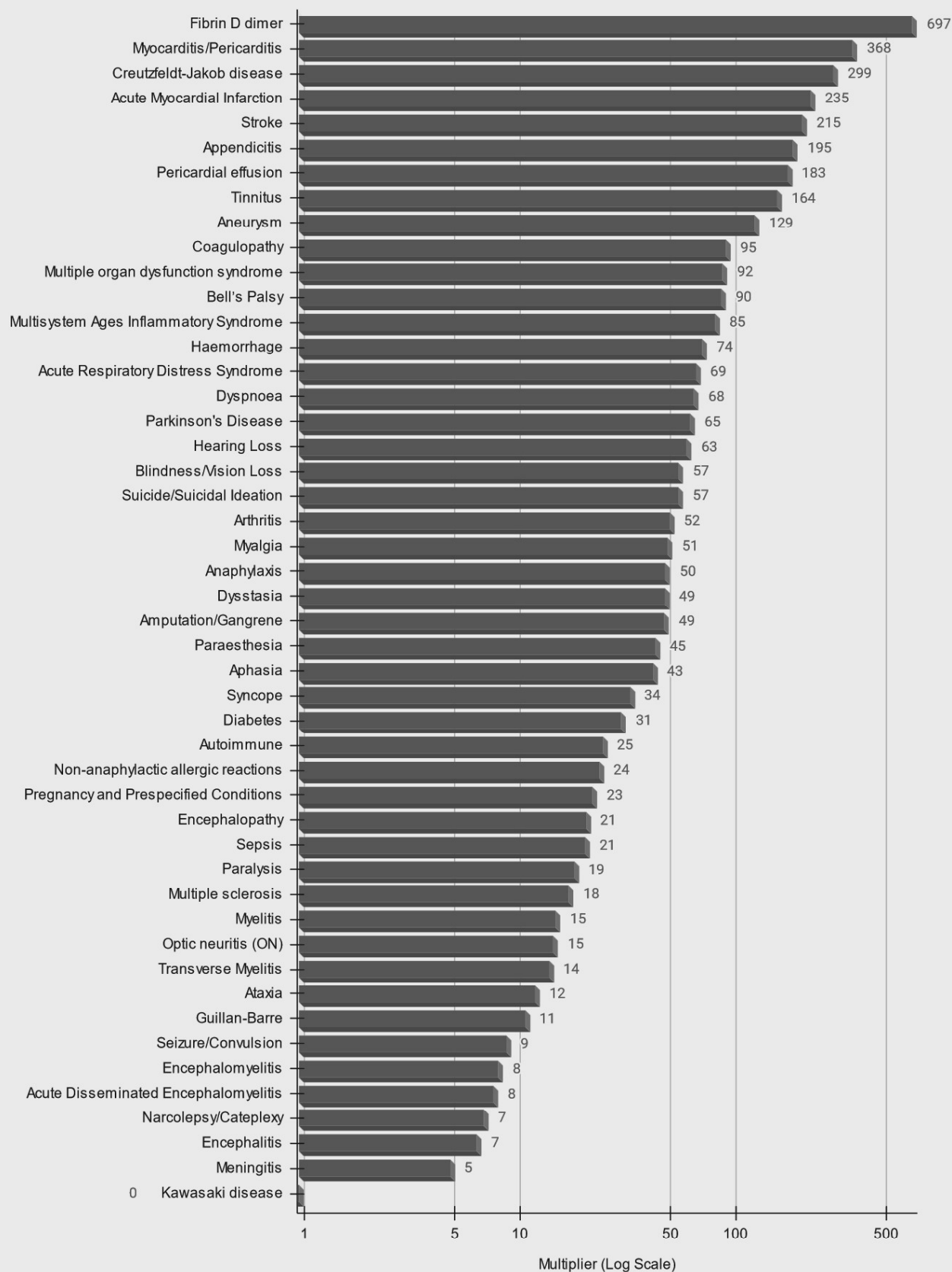
- Guillain-Barré syndrome
- Acute disseminated encephalomyelitis
- Transverse myelitis
- Encephalitis/myelitis/encephalomyelitis/meningoencephalitis/meningitis/encephalopathy
- Convulsions/seizures
- Stroke
- Narcolepsy and cataplexy
- Anaphylaxis
- Acute myocardial infarction
- Myocarditis/pericarditis
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- Disseminated intravascular coagulation
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- 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:

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Acute Disseminated Encephalomyelitis	208	7	448	30
Transverse Myelitis	619	5	847	16
Encephalitis	2566	334	4870	473
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Autoimmune Disease	1980	33	1117	16
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Arthritis and Arthralgia/Joint Pain	80553	272	29099	78
Kawasaki Disease	94	2	717	9
Systemic Inflammatory Response Syndrome	891	61	367	5

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

(Data from VAERS through 7/1/22)



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 ^[3]	# of Deaths	Risk of Death	Percentage	Deaths/Mill. Vaccinations ^[3]
Flu	167,447,642 ^[1]	33	1 in 5,074,171	0.000020%	.20
COVID19	173,444,943 ^[2]	5,794	1 in 29,935	0.003341%	33.41
Risk of dying from COVID vaccine is 170 times greater than Flu Vaccine					

Vaccine Type	# of Vaccinations ^[3]	# of Adverse Reactions	Risk of Adverse Reaction	Percentage	AEs/Mill. Vaccinations ^[3]
Flu	167,447,642	9,728	1 in 17,213	0.00581%	58.10
COVID19	173,444,943	565,043	1 in 307	0.325777%	3,257.77
Risk of adverse reaction from COVID vaccine is 56 times greater than Flu Vaccine					

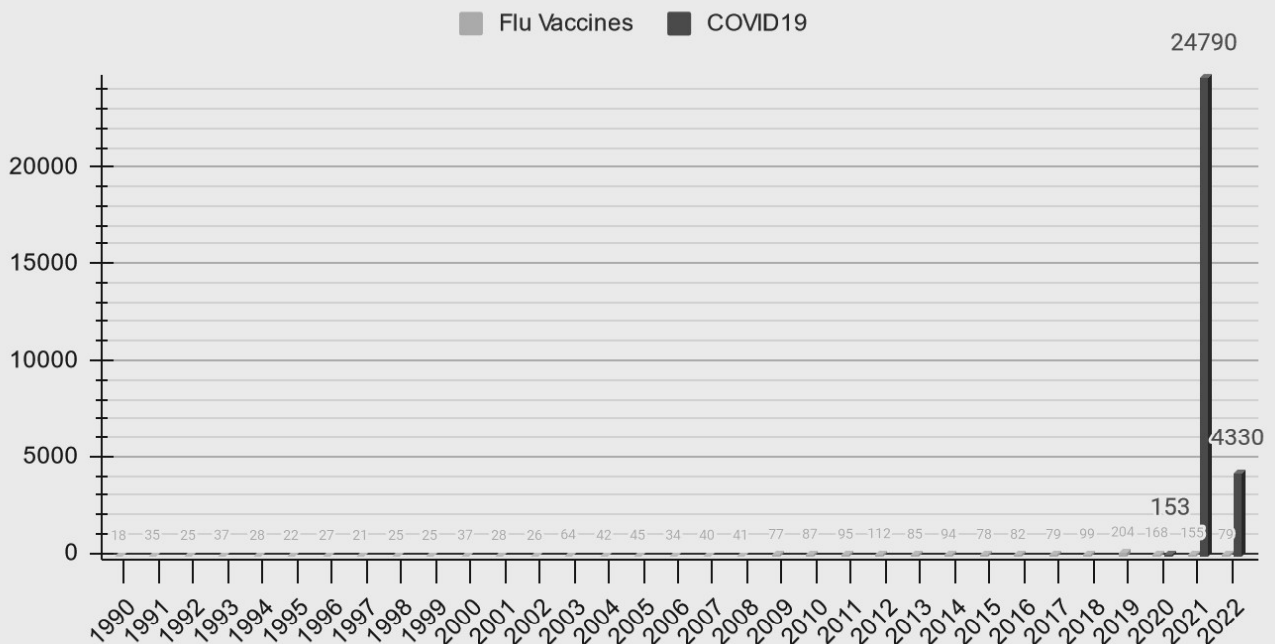
[1] number of flu vaccinations based on estimated flu vaccine coverage data from [CDC](#) and estimated population data from [US Census](#). Yearly flu vaccination data covers a period of time from 7/1 to 5/31 of the following year.

[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)	2545	8.67%	5.19	1647	18,833,540	87.45	490	2/26/21
Moderna	7724	26.3%	13.79	5668	225,253,126	25.16	560	12/18/20
Pfizer/Biontech	18937	64.48%	33.4	6214	352,959,331	17.61	567	12/11/20
Unknown	163	0.56%		55	609,038			

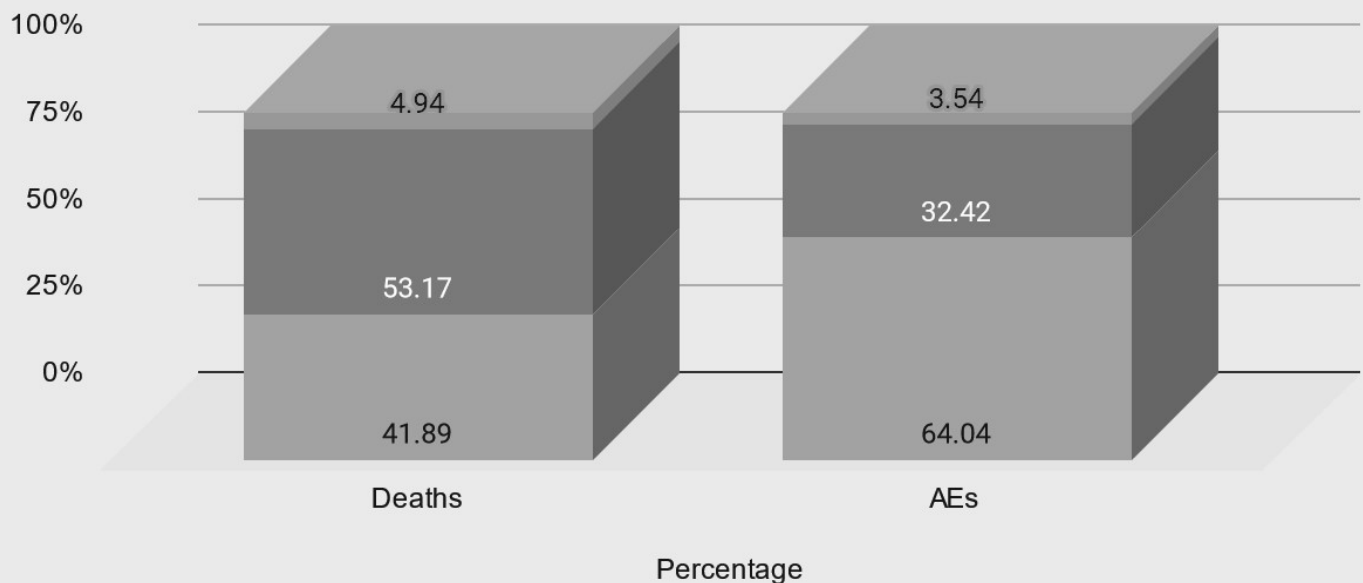
Manufacturer	# of AEs	% AEs	Average AEs/Day	# US AEs	# US Doses Administered	Average US AEs/Mill. Doses	Days since EUA approval	EUA Approval Date
Janssen (JNJ)	91696	6.87%	187.13	69654	18,833,540	3698.4	490	2/26/21
Moderna	458837	34.38%	819.35	382801	225,253,126	1699.43	560	12/18/20
Pfizer/Biontech	778629	58.34%	1373.24	386890	352,959,331	1096.13	567	12/11/20
Unknown	5427	0.41%		2891	609,038			

Vaccine Data by Gender

Gender Distribution of Reported Deaths and AEs after COVID19 Vaccination

All Data Obtained from CDC's VAERS

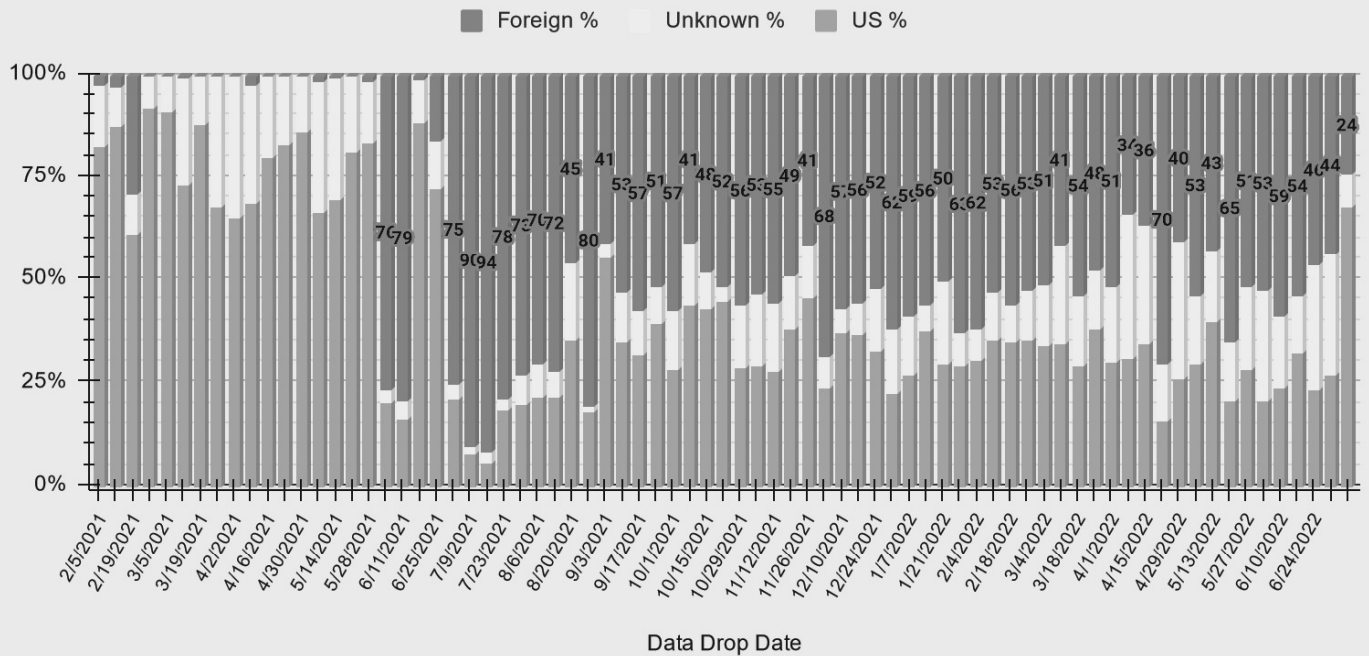
Unknown Male Female



Vaccine Data by Location

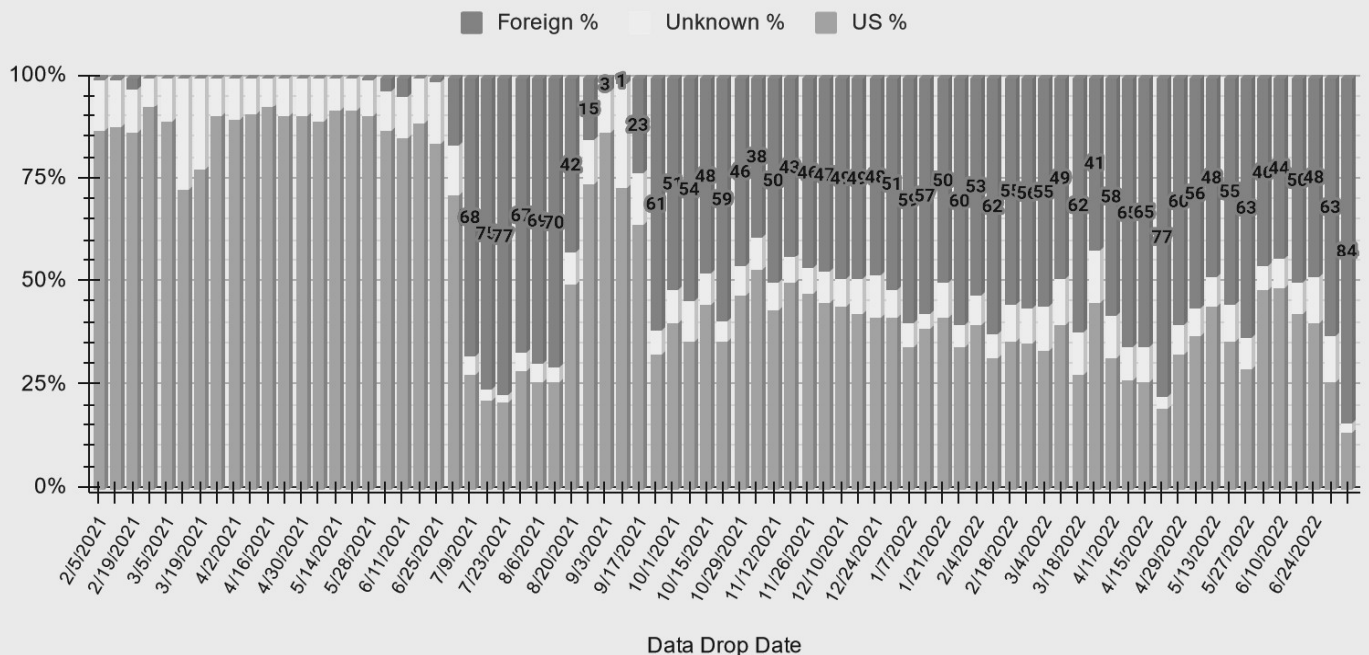
Distribution by Location of Reported Deaths after COVID19 Vaccination

All Data Obtained from CDC's VAERS



Distribution by Location of Reported Adverse Events after COVID19 Vaccination

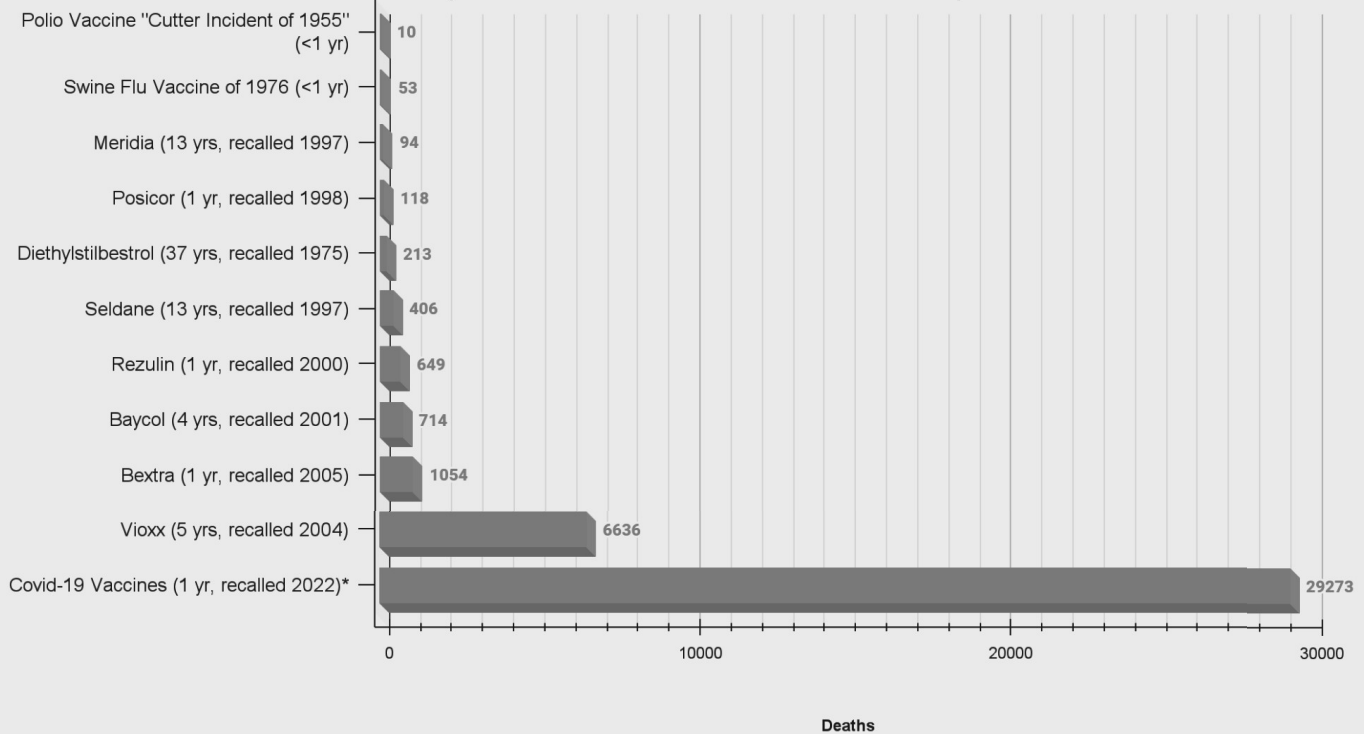
All Data Obtained from CDC's VAERS



Recall History

Reported Deaths for Major Drug/Vaccine Recalls

(Data Obtained from VAERS and FAERS)



*Projected

Sources

Visit: 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
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/covaxview/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>

VAERS Summary for COVID-19 Vaccines through 6/17/2022

All charts and tables below reflect the data release on 6/24/2022 from the VAERS website, which includes U.S. and foreign data, and is updated through: **6/17/2022**.

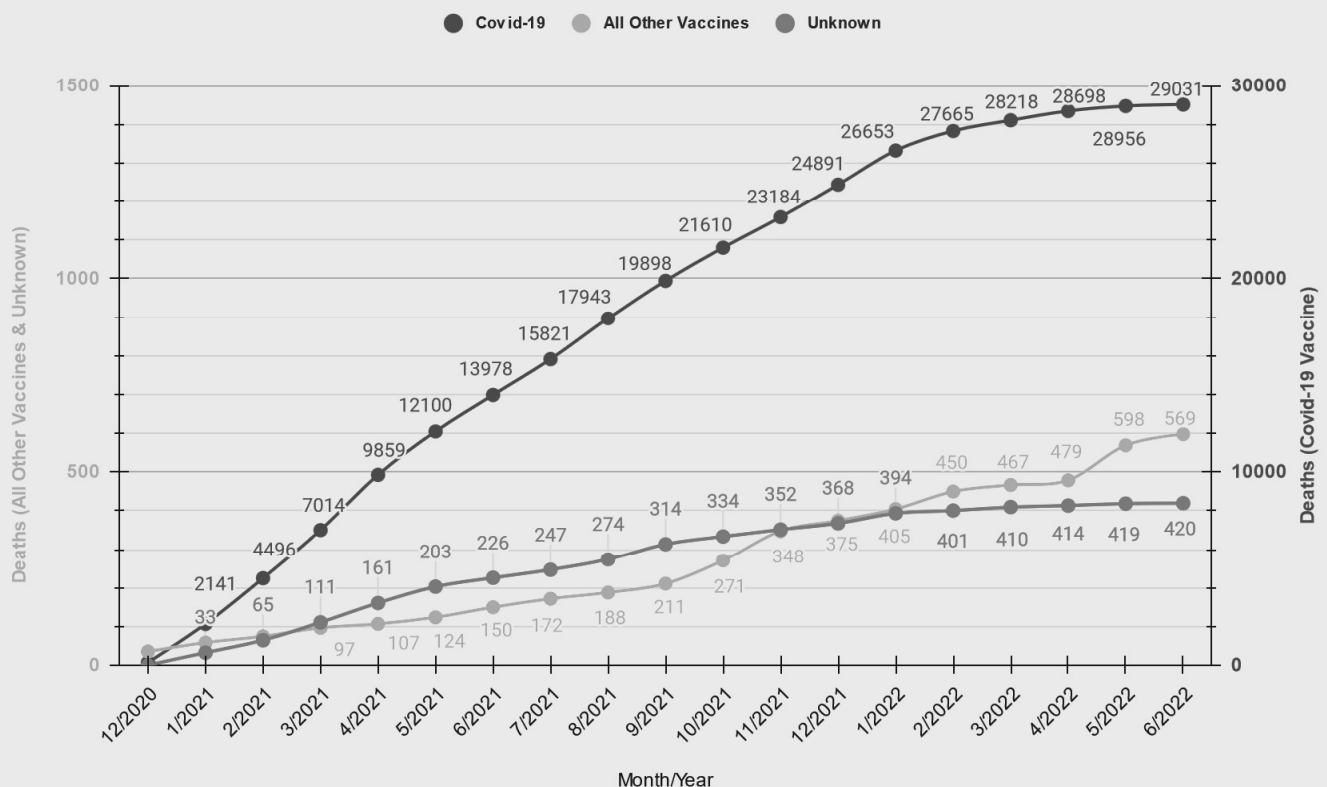
High-Level Summary	COVID19 vaccines (Dec'2020 - present)	All other vaccines 1990-present	US Data Only COVID19 vaccines (Dec'2020 - present)	US Data Only All other vaccines 1990-present
Number of Adverse Reactions	1,307,928	885,464	835,063	769,391
Number of Life-Threatening Events	32,430	14,589	12,796	10,001
Number of Hospitalizations	164,324	84,589	64,298	39,344
Number of Deaths	29,031*	9,832*	13,388	5,366
# of Permanent Disabilities after vaccination	54,306	21,176	14,259	13,078
Number of Office Visits	196,083	51,853	164,181	49,495
# of Emergency Room/Department Visits	130,699	213,551	100,534	203,878
# of Birth Defects after vaccination	1,110	199	522	108

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

Deaths

Cumulative Reported Deaths After Vaccination - 1.5 Year Summary

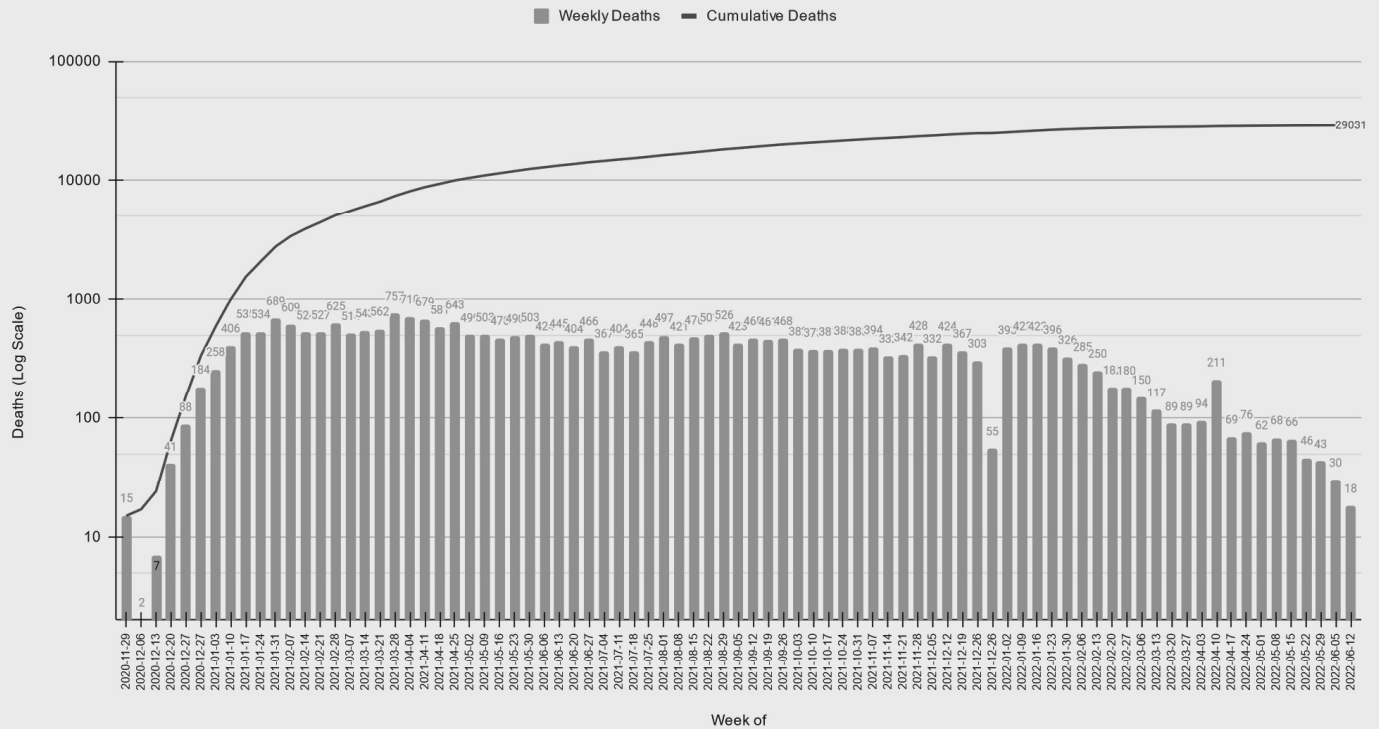
Data obtained from CDC's VAERS



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

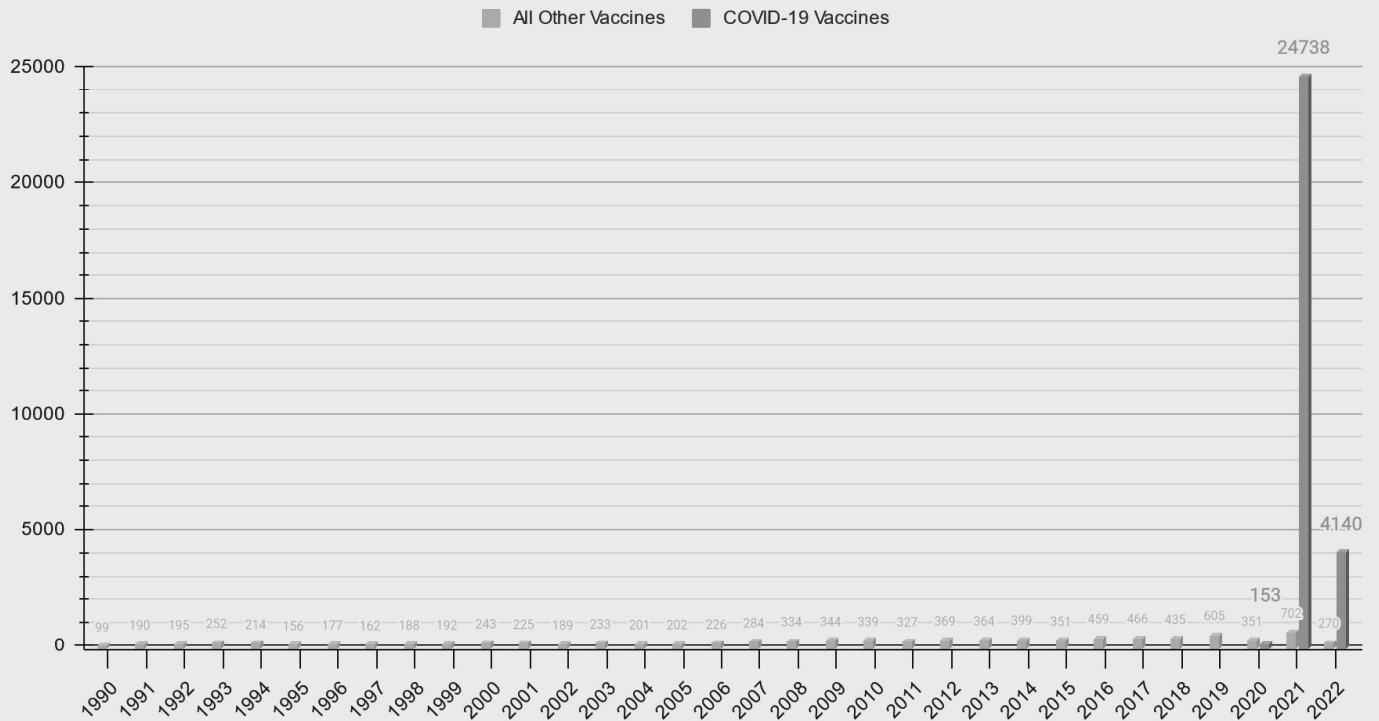
Reported Deaths by Week, COVID19 Vaccines

Data Obtained from CDC's VAERS



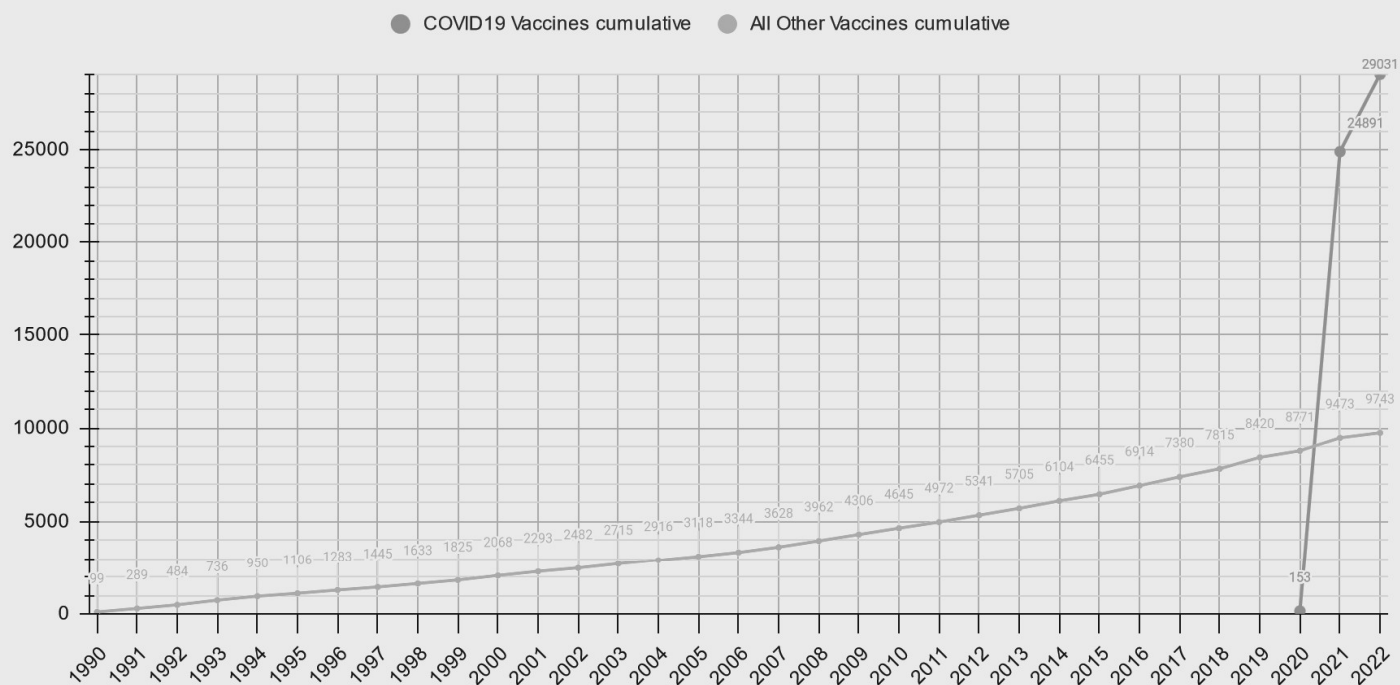
Reported Deaths by Year, COVID19 vs. All Other Vaccines

Data Obtained from CDC's VAERS



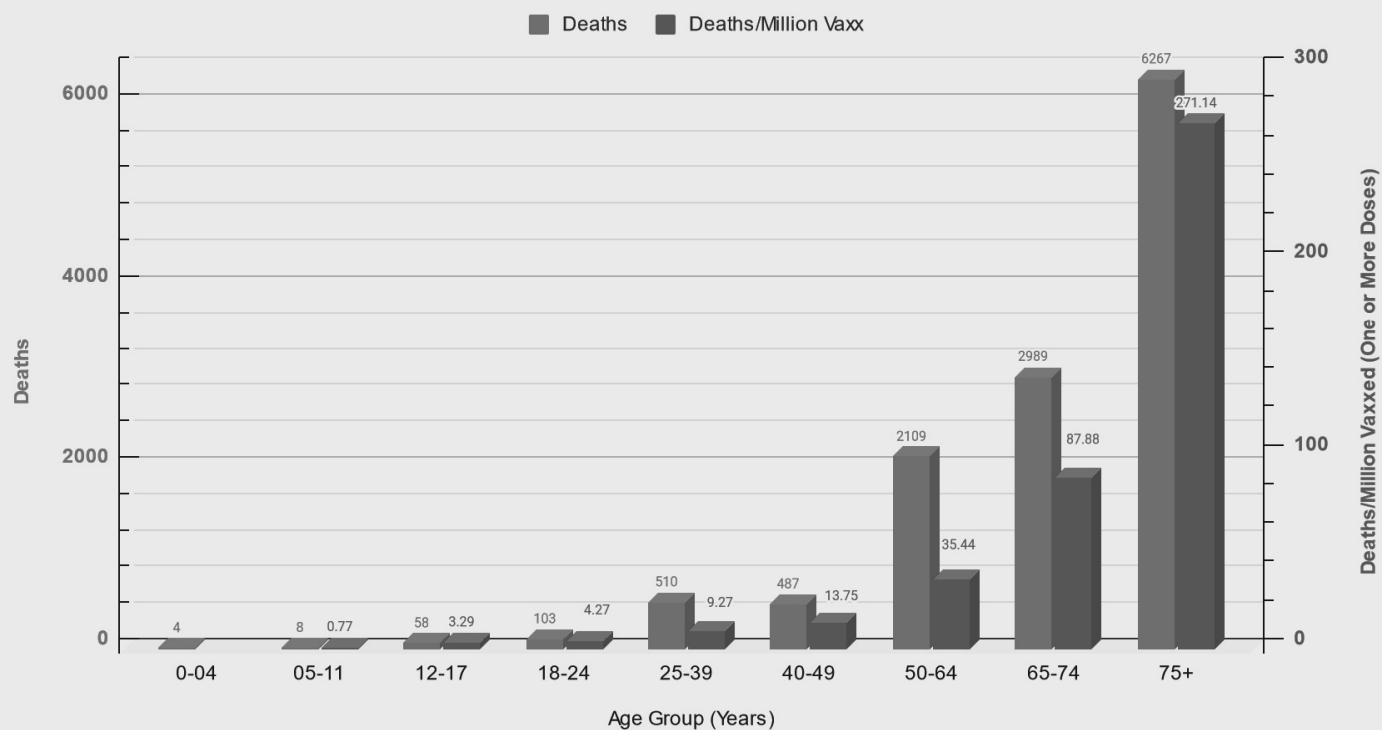
Reported Deaths by Year, COVID19 vs. All Other Vaccines, Cumulatively

Data Obtained from CDC's VAERS



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

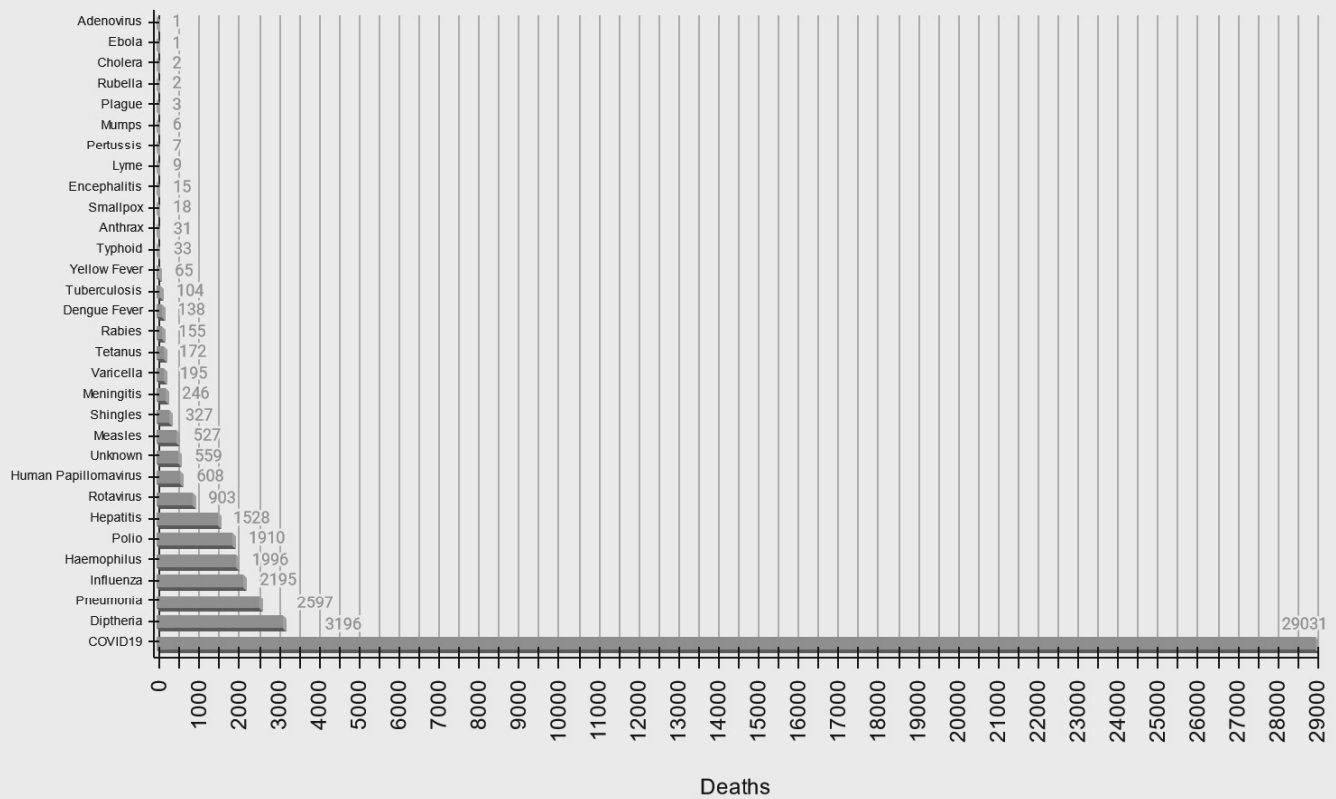
Data Obtained from CDC's VAERS



[Deaths/Million Vaxxed not available for 0-4 yo group as the vaccination data is not available from the CDC for that age range]

Reported Deaths By Vaccine Type, 1990-Present

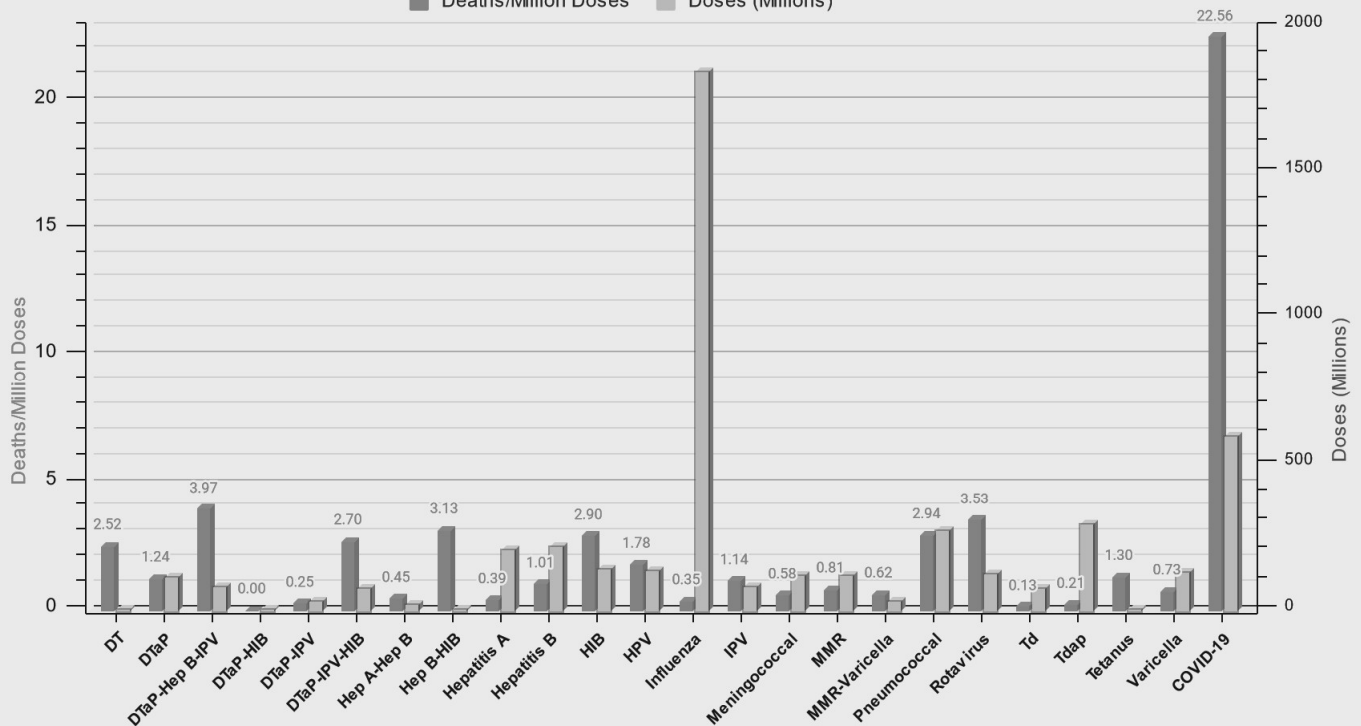
Data Obtained from CDC's VAERS



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

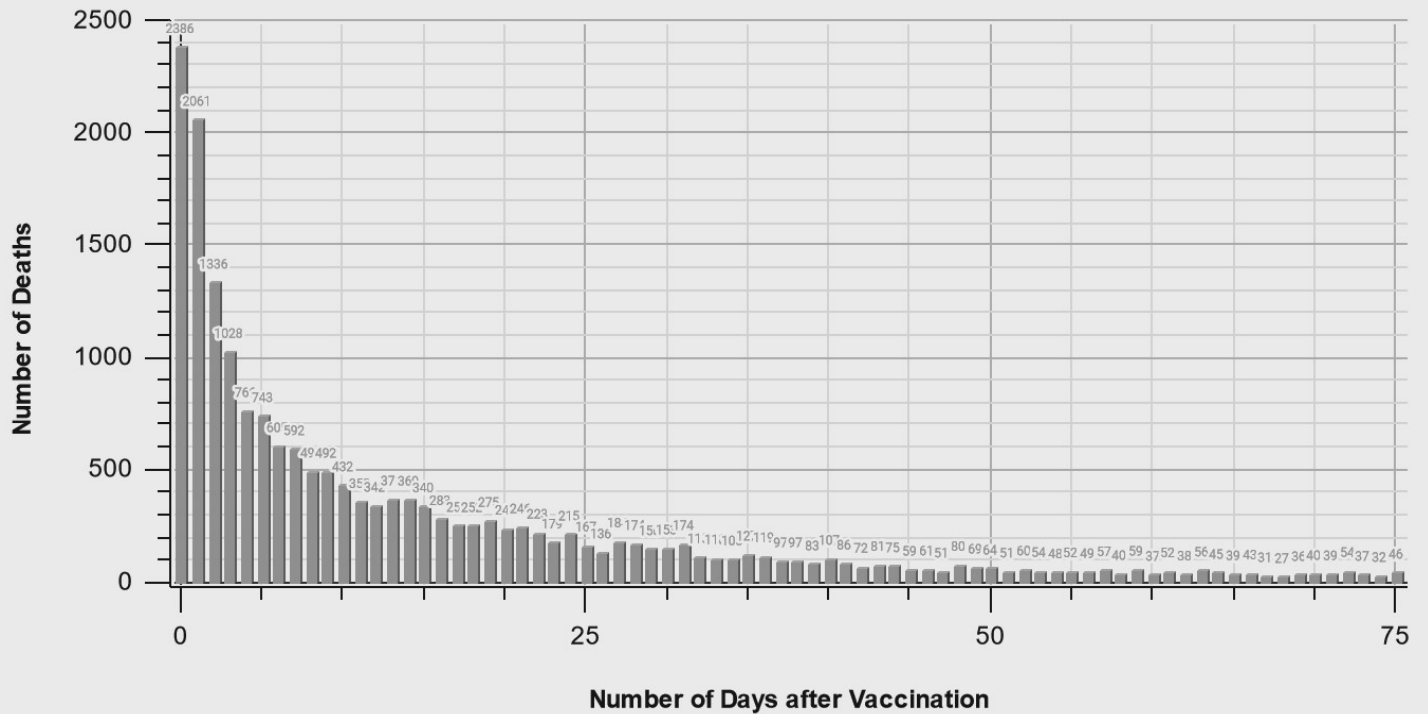
Data Obtained from CDC's VAERS and NVICP data & statistics report

■ Deaths/Million Doses ■ Doses (Millions)



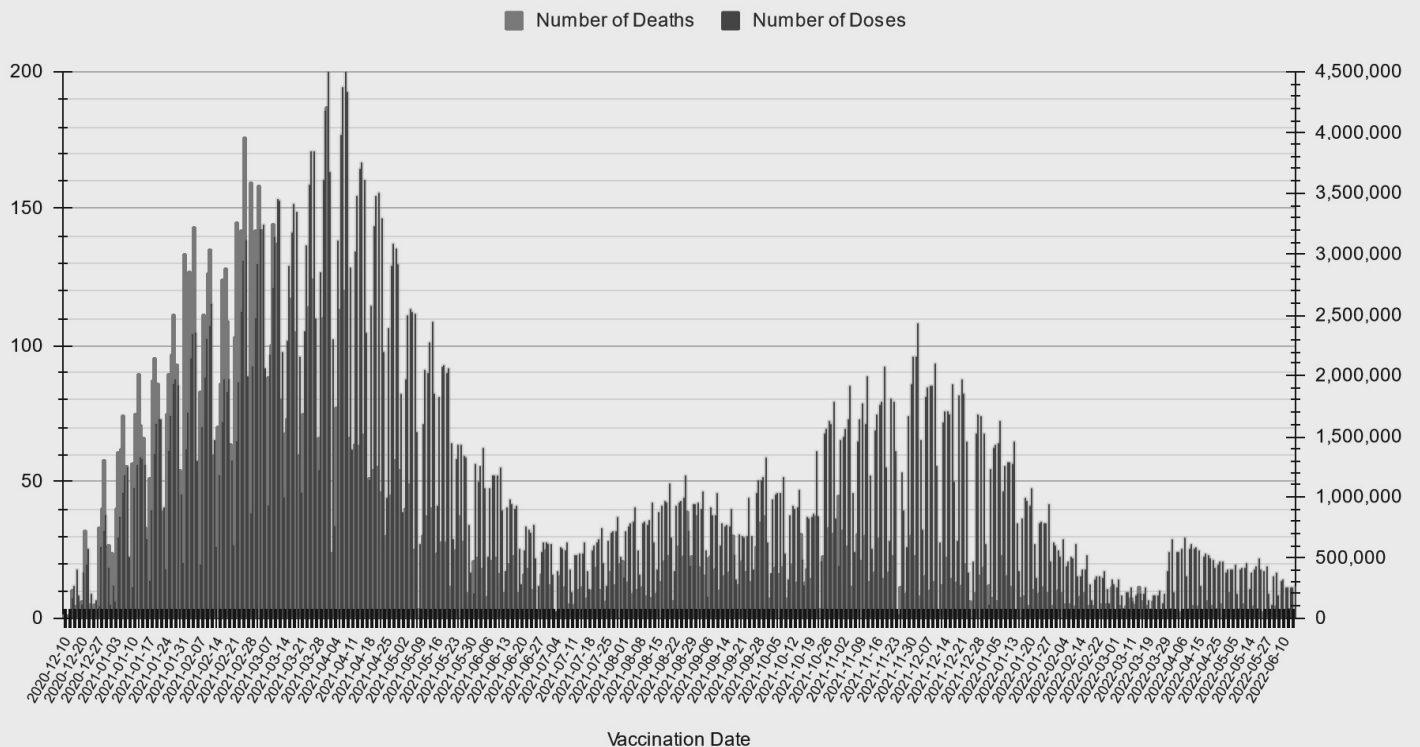
Number of Deaths by Days After COVID19 Vaccination

Data obtained from CDC's VAERS



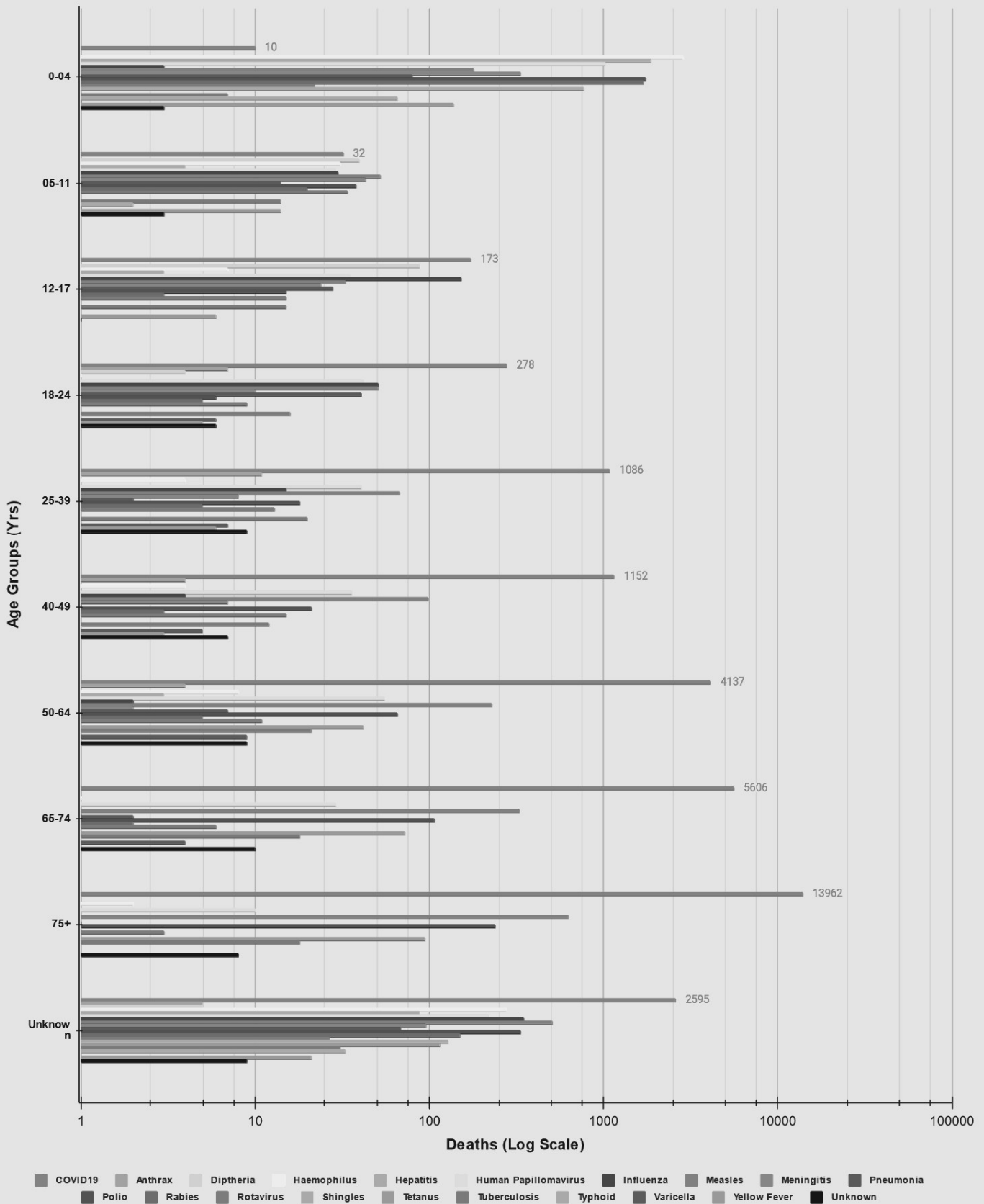
Reported Deaths Daily vs. Doses Administered for COVID19 Vaccines (US Data Only)

Data Obtained from CDC's VAERS & CDC



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

Data Obtained from CDC's VAERS

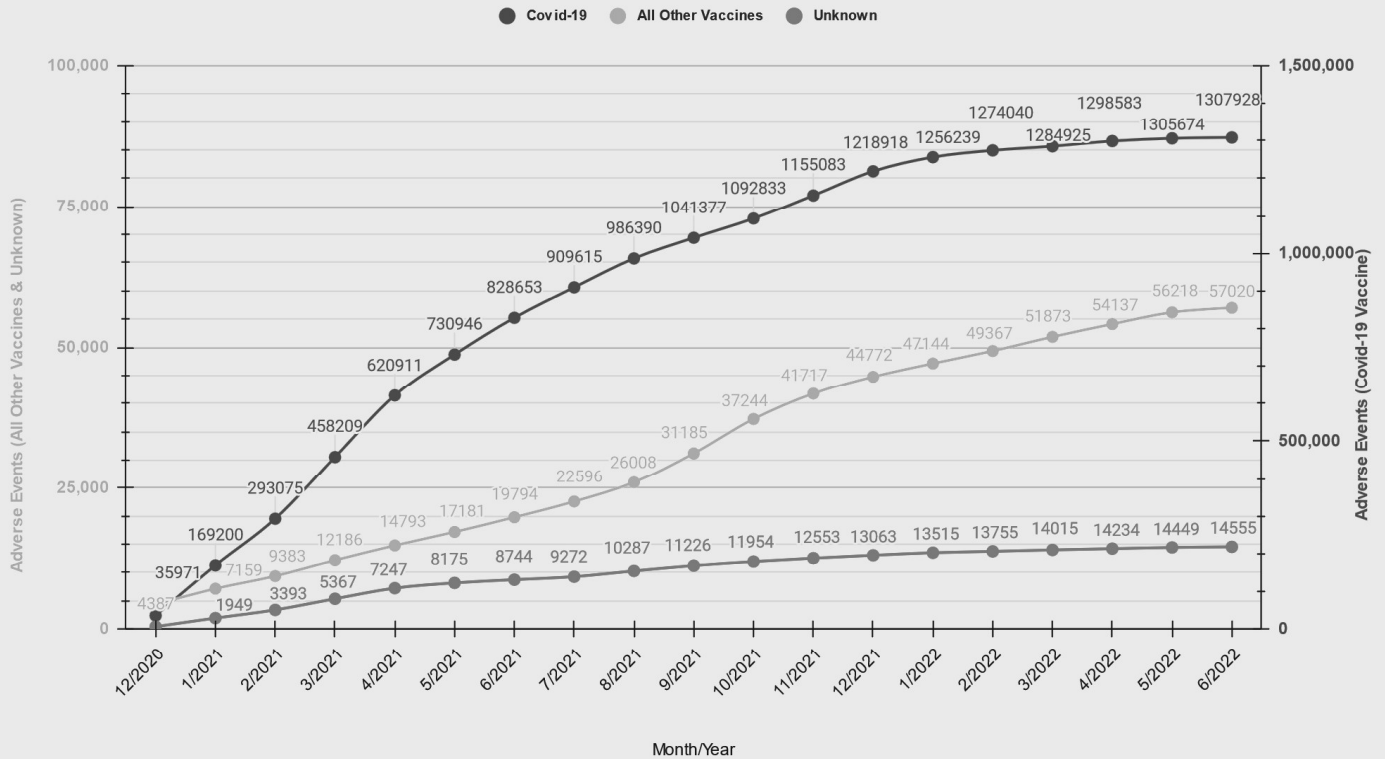


[Vaccines not included above (due to n < 20 overall deaths): Adenovirus, Cholera, Dengue Fever, Encephalitis, Ebola, Lyme, Mumps, Pertussis, Plague, Rubella, Smallpox]

Adverse Events

Cumulative Reported AEs After Vaccination - 1.5 Year Summary

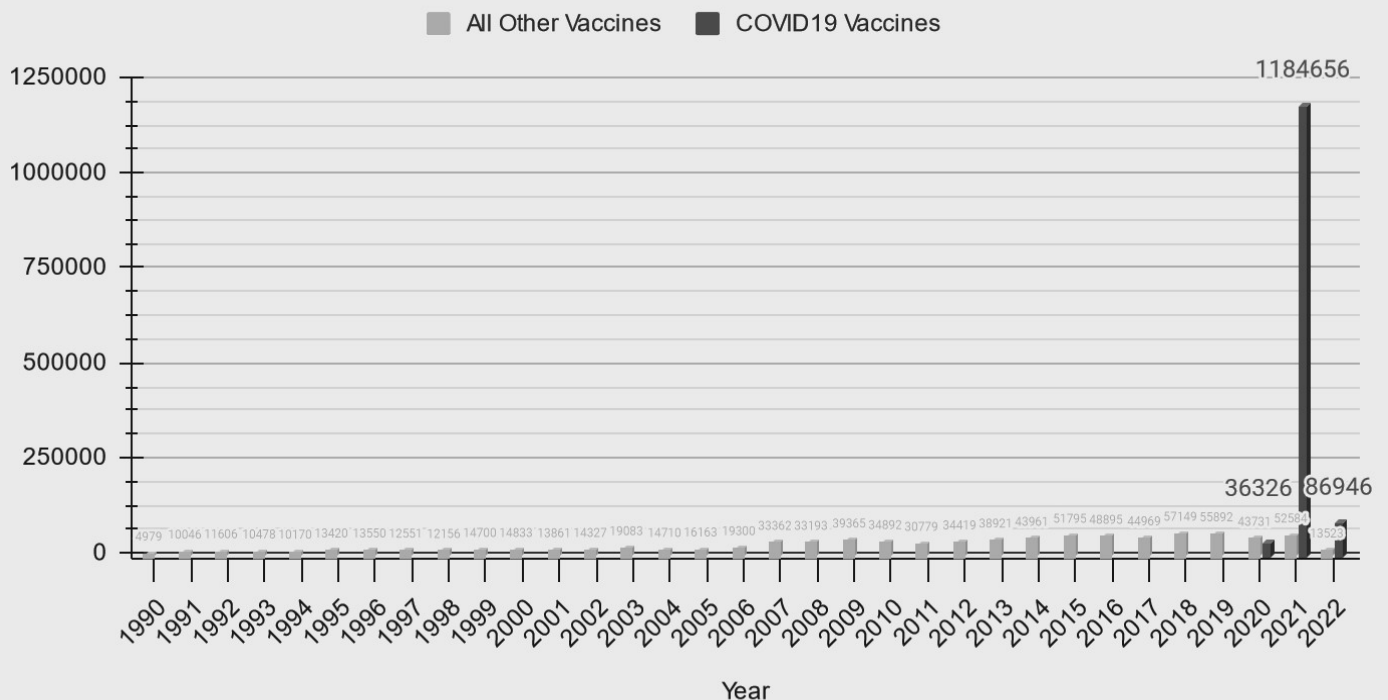
Data obtained from CDC's VAERS



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

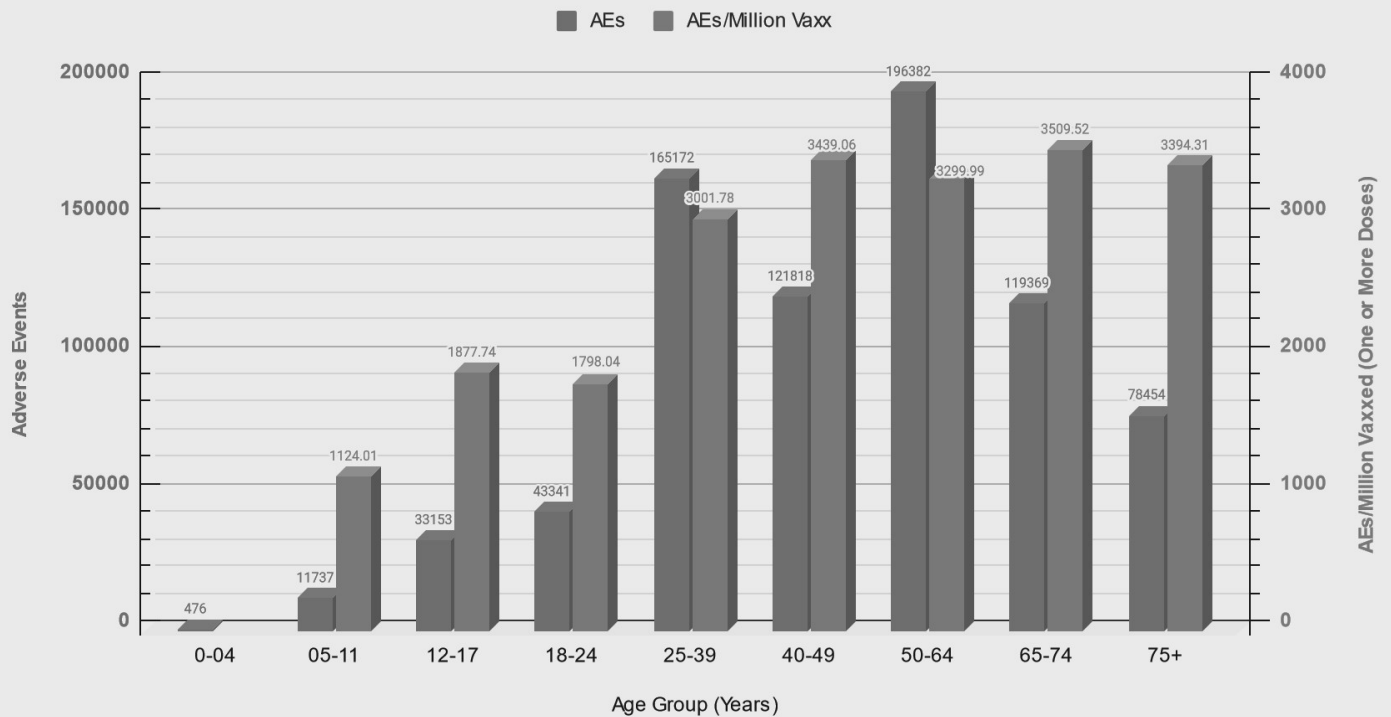
Reported Adverse Events by Year, COVID19 vs. All Other Vaccines

Data obtained from CDC's VAERS



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

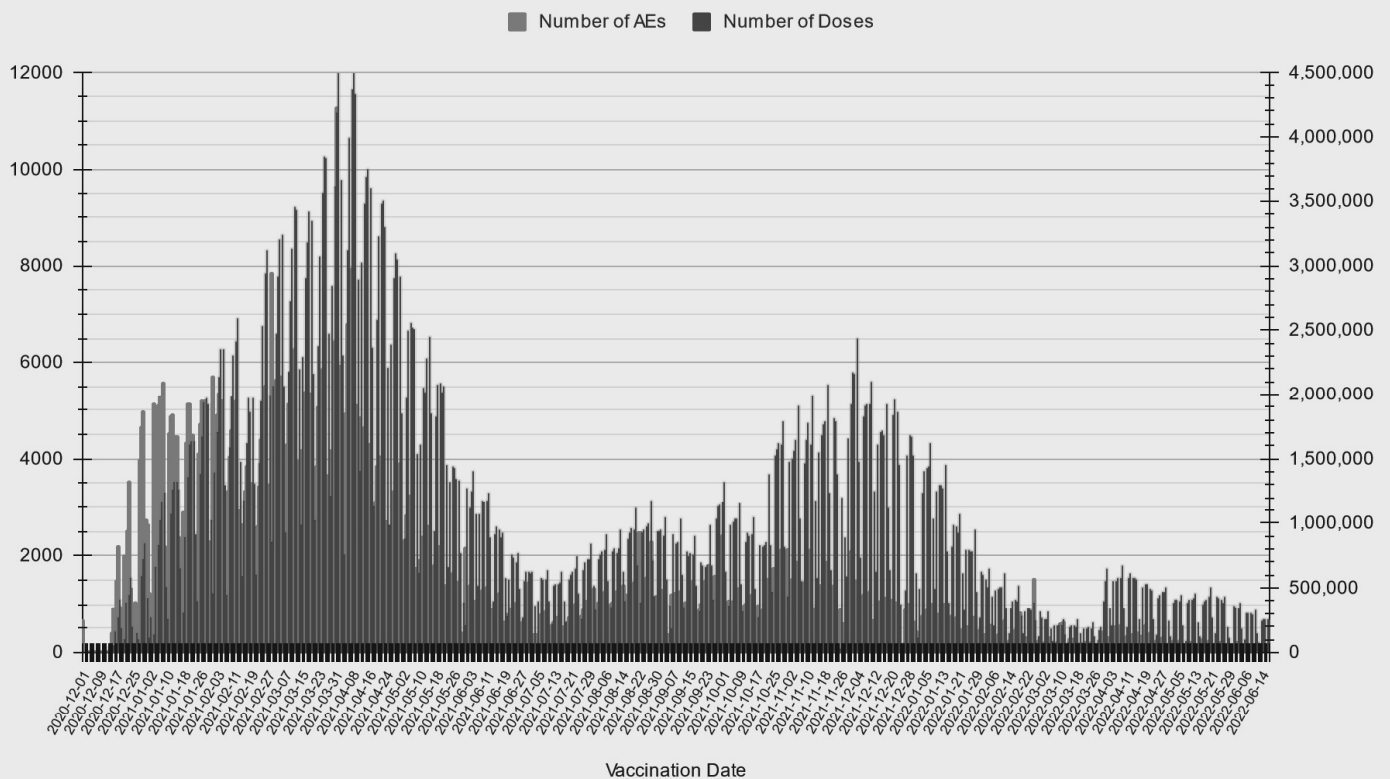
Data obtained from CDC's VAERS



[AEs/Million Vaxxed not available for 0-4 yo group as the vaccination data is not available from the CDC for that age range]

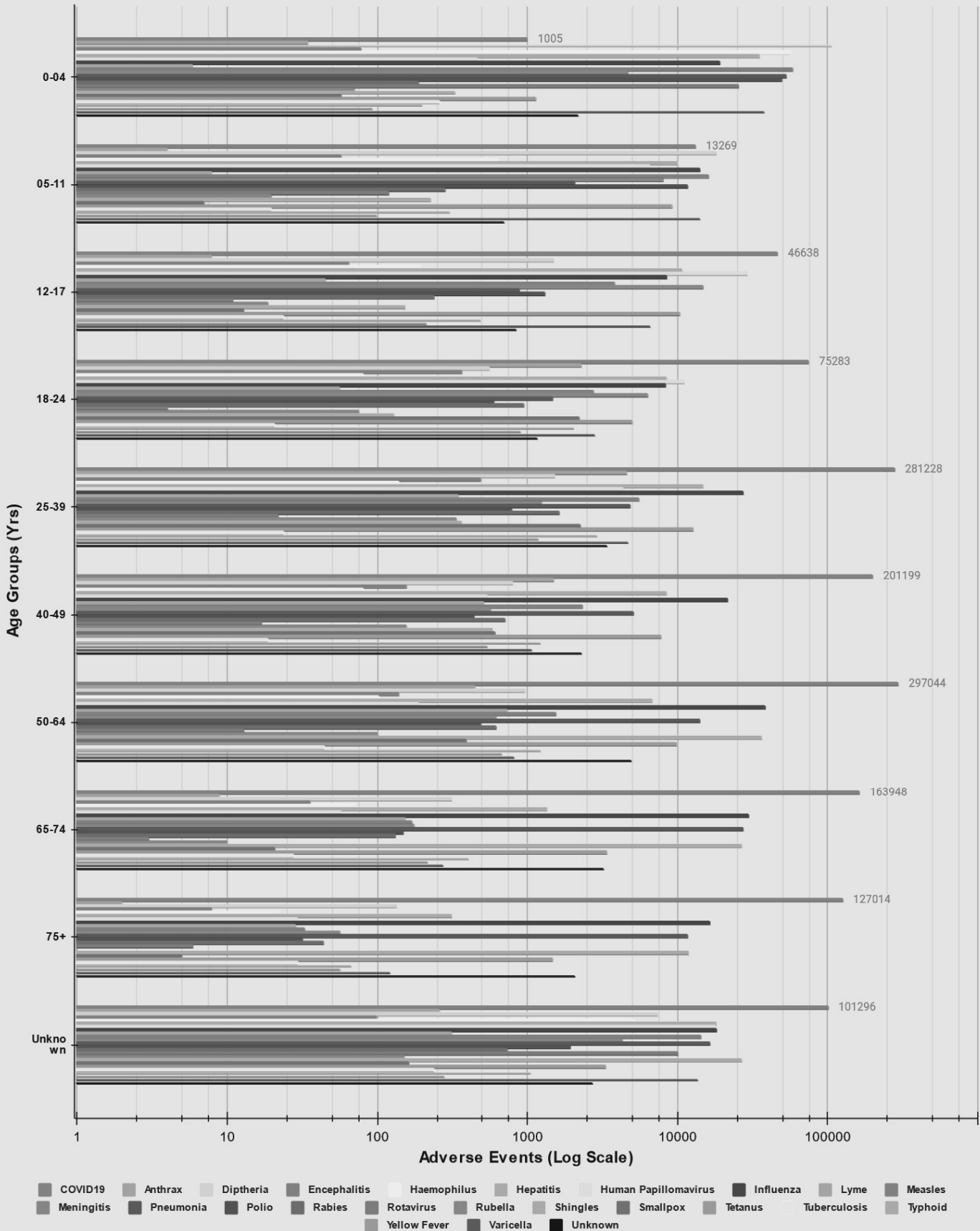
Reported Adverse Events Daily, COVID19 Vaccines vs. Doses Administered (US Data Only)

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*****

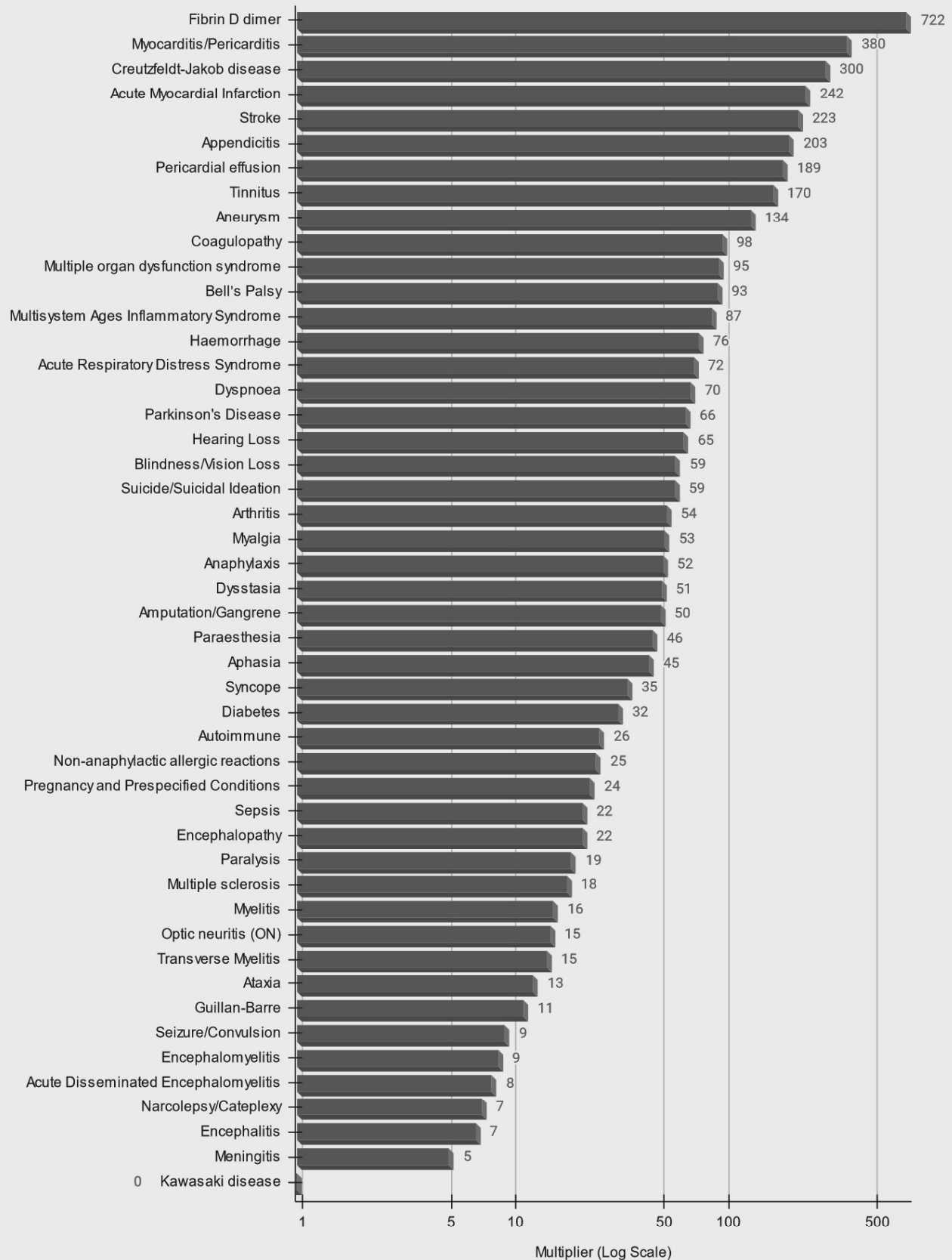
<ul style="list-style-type: none"> ▪ Guillain-Barré syndrome ▪ Acute disseminated encephalomyelitis ▪ Transverse myelitis ▪ Encephalitis/myelitis/encephalomyelitis/meningoencephalitis/meningitis/encephalopathy ▪ Convulsions/seizures ▪ Stroke ▪ Narcolepsy and cataplexy ▪ Anaphylaxis ▪ Acute myocardial infarction ▪ Myocarditis/pericarditis ▪ Autoimmune disease 	<ul style="list-style-type: none"> ▪ 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
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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	2731	54	4497	141
Acute Disseminated Encephalomyelitis	206	7	448	30
Transverse Myelitis	612	5	843	15
Encephalitis	2527	328	4870	468
Convulsions/Seizures	16172	527	30003	524
Stroke	15820	1427	1615	111
Narcolepsy, Cataplexy	308	6	384	3
Anaphylaxis	49554	186	41344	166
Acute Myocardial Infarction (Heart Attack)	5224	1478	342	154
Myocarditis/Pericarditis	22619	314	977	88
Autoimmune Disease	1937	32	1114	16
Other Acute Demyelinating Diseases	385	7	861	25
Pregnancy and birth outcomes (Miscarriages)	4504	144	2896	49
Other Allergic Reactions	2403	3	2067	3
Thrombocytopenia	6000	462	3600	132
Disseminated Intravascular Coagulation	262	83	60	25
Venous Thromboembolism	25090	1482	674	114
Arthritis and Arthralgia/Joint Pain	80131	270	29059	78
Kawasaki Disease	93	2	717	9
Systemic Inflammatory Response Syndrome	888	61	366	5

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

(Data from VAERS through 6/10/22)



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 ^[3]	# of Deaths	Risk of Death	Percentage	Deaths/Mill. Vaccinations ^[3]
Flu	167,447,642 ^[1]	33	1 in 5,074,171	0.000020%	.20
COVID19	173,361,227 ^[2]	5,790	1 in 29,941	0.003340%	33.40
Risk of dying from COVID vaccine is 169 times greater than Flu Vaccine					

Vaccine Type	# of Vaccinations ^[3]	# of Adverse Reactions	Risk of Adverse Reaction	Percentage	AEs/Mill. Vaccinations ^[3]
Flu	167,447,642	9,728	1 in 17,213	0.00581%	58.10
COVID19	173,361,227	565,086	1 in 307	0.325959%	3,259.59
Risk of adverse reaction from COVID vaccine is 56 times greater than Flu Vaccine					

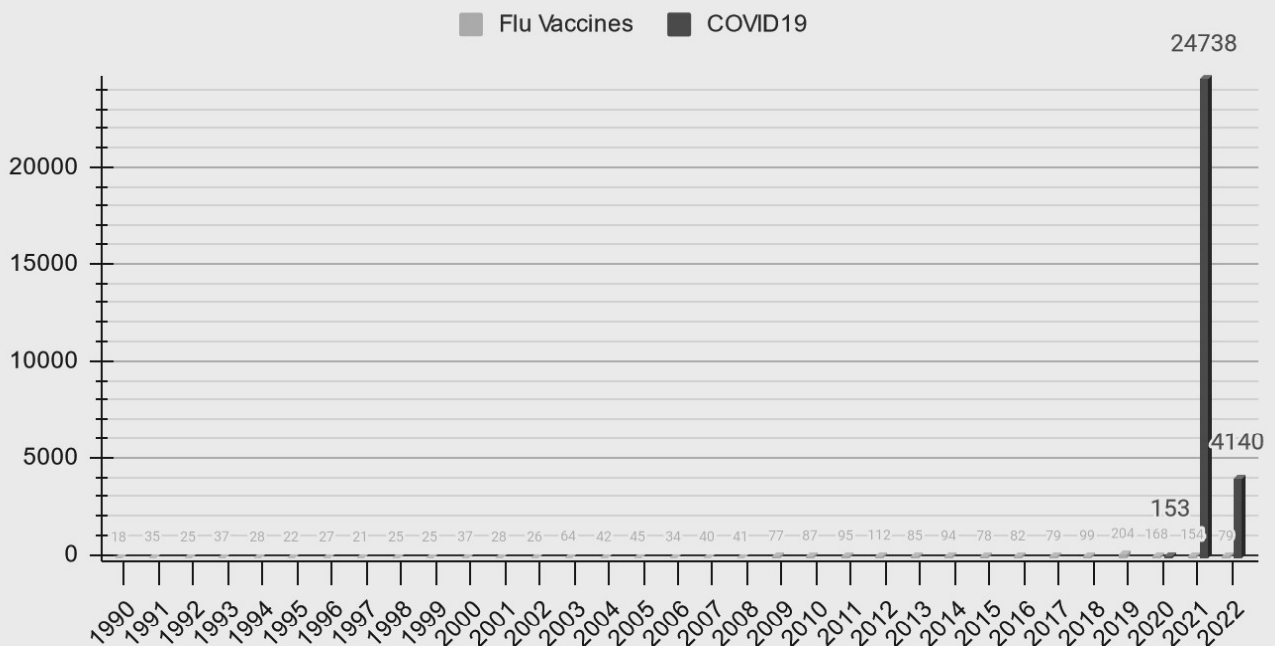
[1] number of flu vaccinations based on estimated flu vaccine coverage data from [CDC](#) and estimated population data from [US Census](#). Yearly flu vaccination data covers a period of time from 7/1 to 5/31 of the following year.

[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)	2525	8.67%	5.3	1636	18,825,144	86.91	476	2/26/21
Moderna	7627	26.19%	13.97	5591	223,938,249	24.97	546	12/18/20
Pfizer/Biontech	18814	64.6%	34.02	6144	350,384,148	17.54	553	12/11/20
Unknown	158	0.54%		53	591,988			

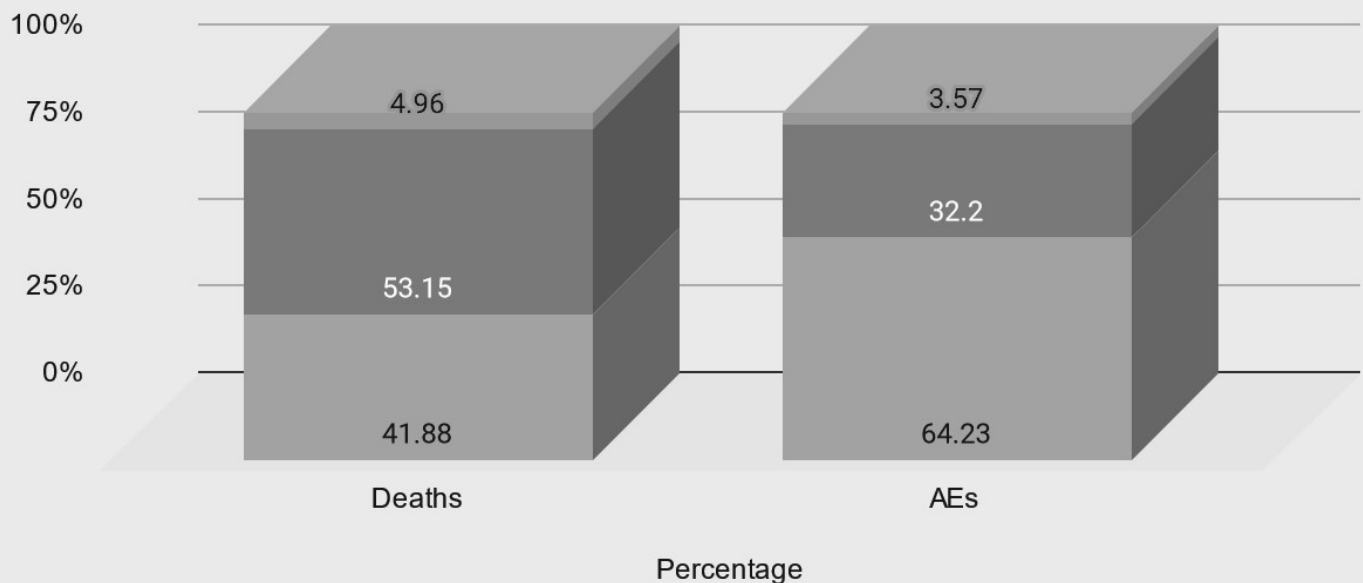
Manufacturer	# of AEs	% AEs	Average AEs/Day	# US AEs	# US Doses Administered	Average US AEs/Mill. Doses	Days since EUA approval	EUA Approval Date
Janssen (JNJ)	89596	6.82%	188.23	69502	18,825,144	3691.98	476	2/26/21
Moderna	456155	34.73%	835.45	380927	223,938,249	1701.04	546	12/18/20
Pfizer/Biontech	762267	58.04%	1378.42	384646	350,384,148	1097.78	553	12/11/20
Unknown	5231	0.4%		27	591,988			

Vaccine Data by Gender

Gender Distribution of Reported Deaths and AEs after COVID19 Vaccination

All Data Obtained from CDC's VAERS

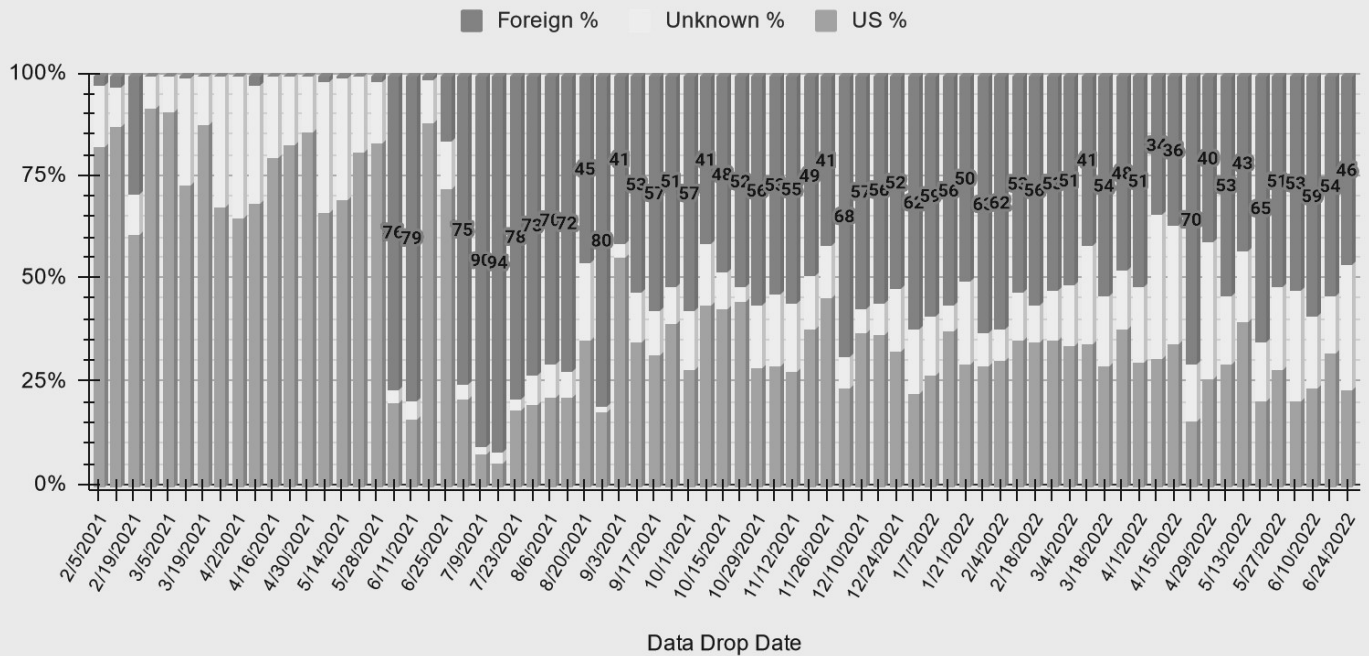
Unknown Male Female



Vaccine Data by Location

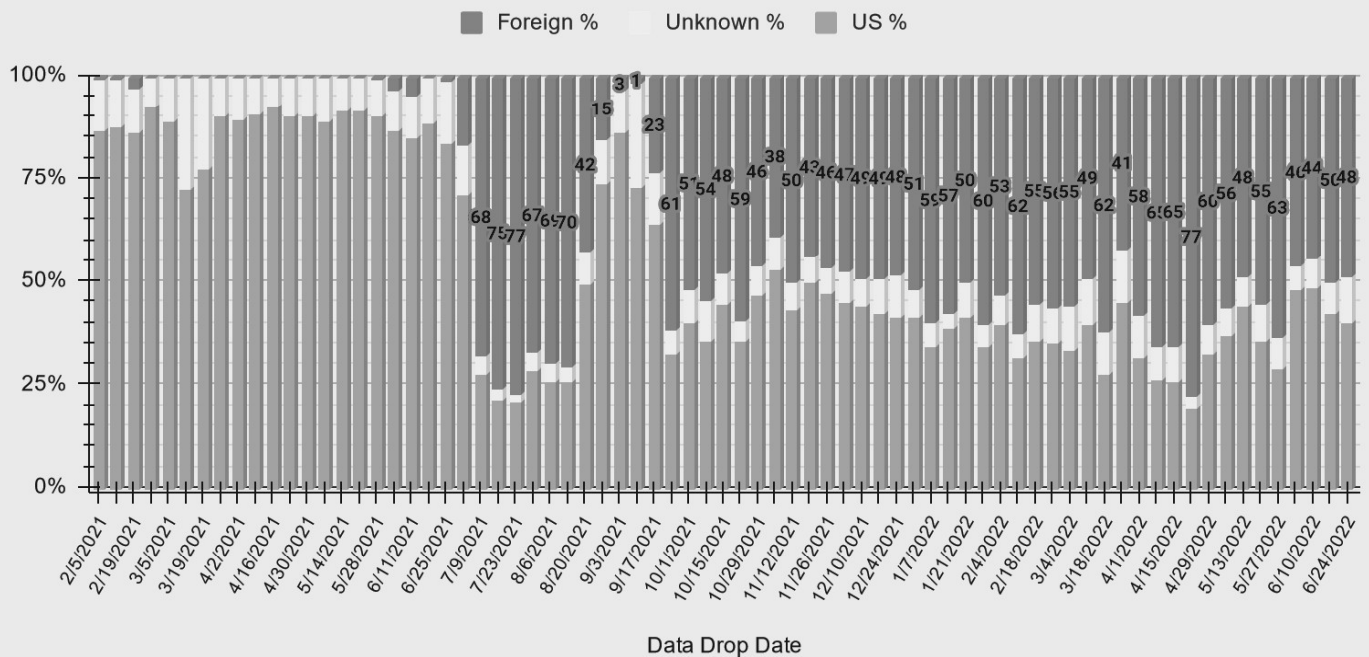
Distribution by Location of Reported Deaths after COVID19 Vaccination

All Data Obtained from CDC's VAERS



Distribution by Location of Reported Adverse Events after COVID19 Vaccination

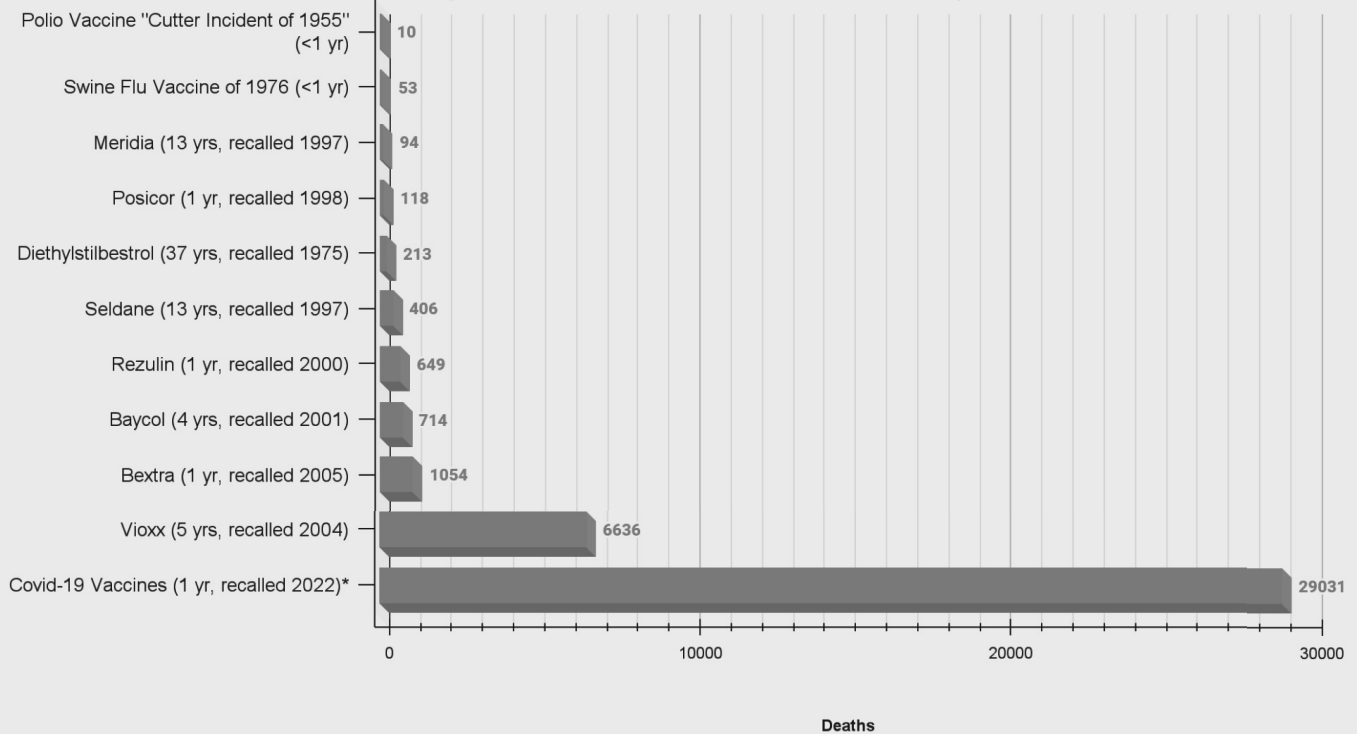
All Data Obtained from CDC's VAERS



Recall History

Reported Deaths for Major Drug/Vaccine Recalls

(Data Obtained from VAERS and FAERS)



*Projected

Sources

Visit: 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
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/covaxview/covaxview-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>

VAERS Summary for COVID-19 Vaccines through 6/3/2022

All charts and tables below reflect the data release on 6/10/2022 from the VAERS website, which includes U.S. and foreign data, and is updated through: **6/3/2022**.

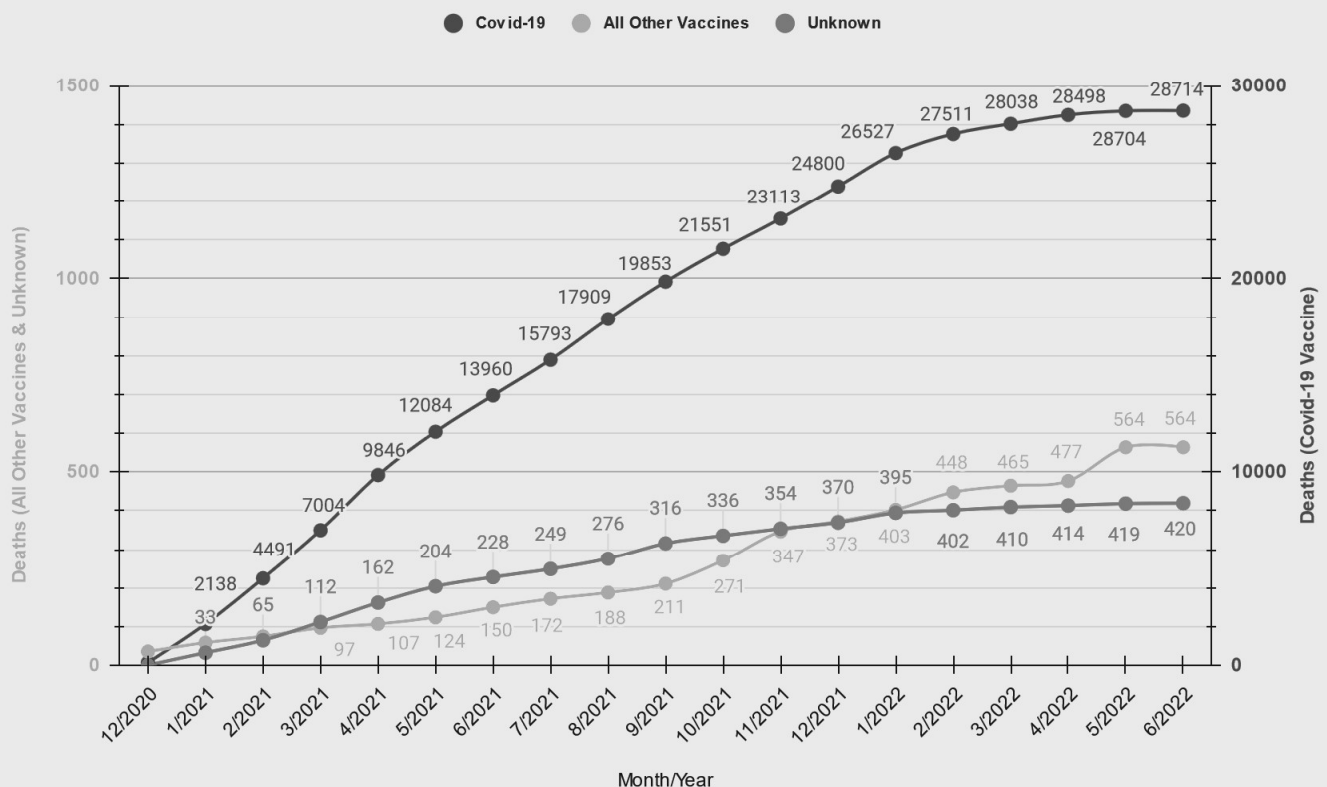
High-Level Summary	COVID19 vaccines (Dec'2020 - present)	All other vaccines 1990-present	US Data Only COVID19 vaccines (Dec'2020 - present)	US Data Only All other vaccines 1990-present
Number of Adverse Reactions	1,295,329	883,830	829,309	768,105
Number of Life-Threatening Events	32,039	14,570	12,765	9,999
Number of Hospitalizations	161,913	84,451	63,680	39,323
Number of Deaths	28,714*	9,779*	13,225	5,361
# of Permanent Disabilities after vaccination	53,621	21,140	14,194	13,061
Number of Office Visits	194,584	51,630	163,397	49,290
# of Emergency Room/Department Visits	129,977	213,454	100,186	203,792
# of Birth Defects after vaccination	1,095	199	517	108

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

Deaths

Cumulative Reported Deaths After Vaccination - 1.5 Year Summary

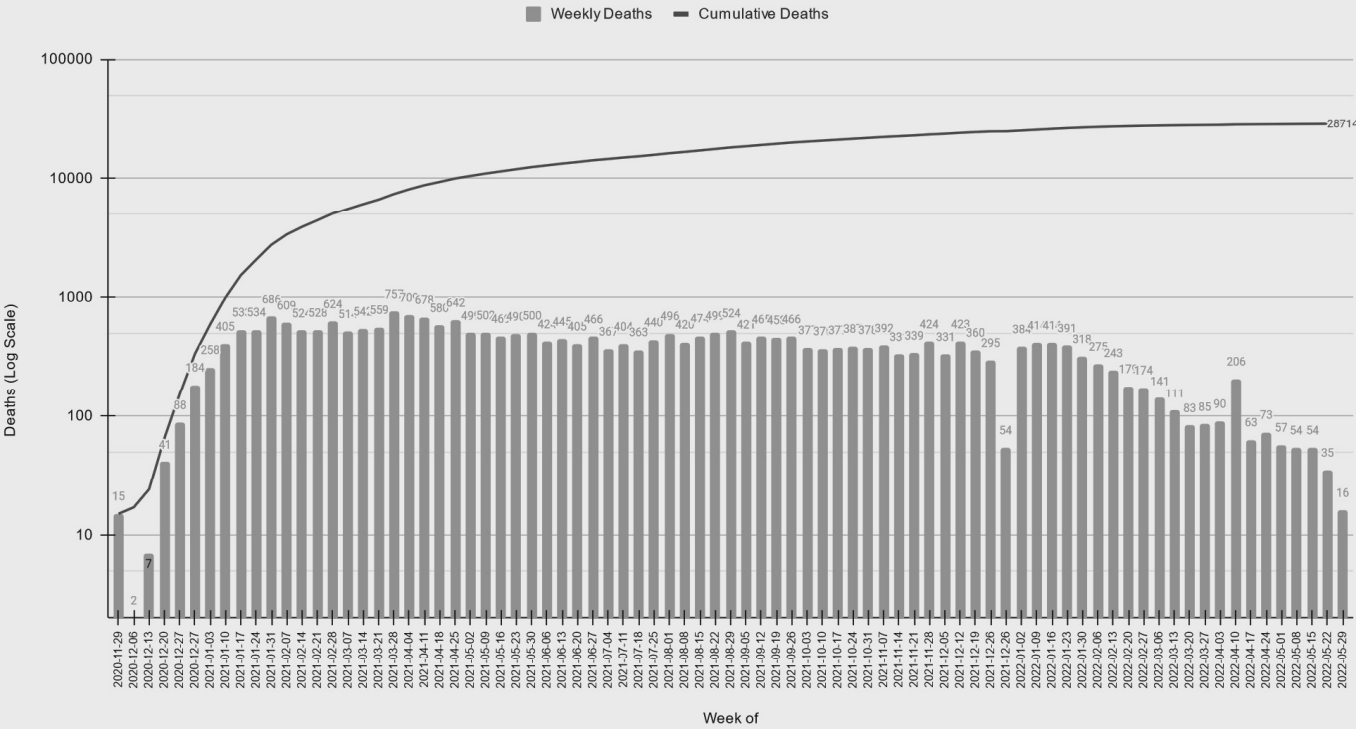
Data obtained from CDC's VAERS



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

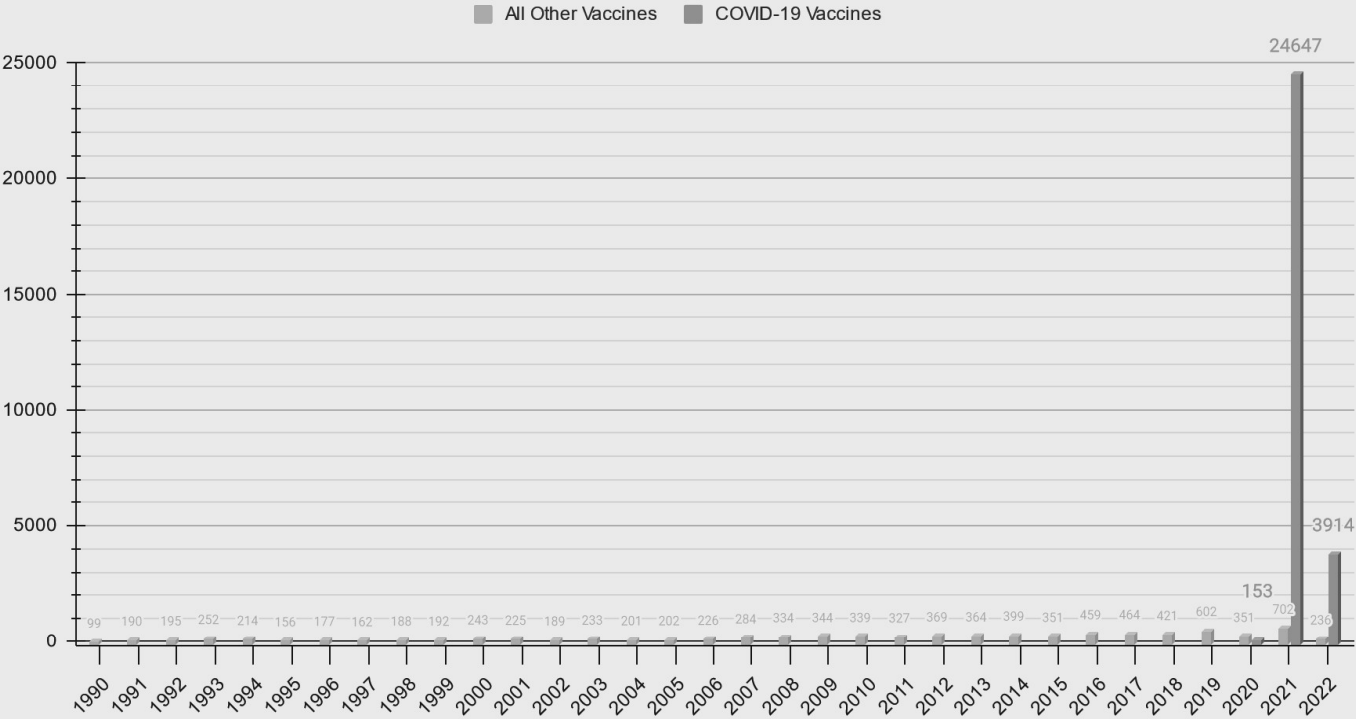
Reported Deaths by Week, COVID19 Vaccines

Data Obtained from CDC's VAERS



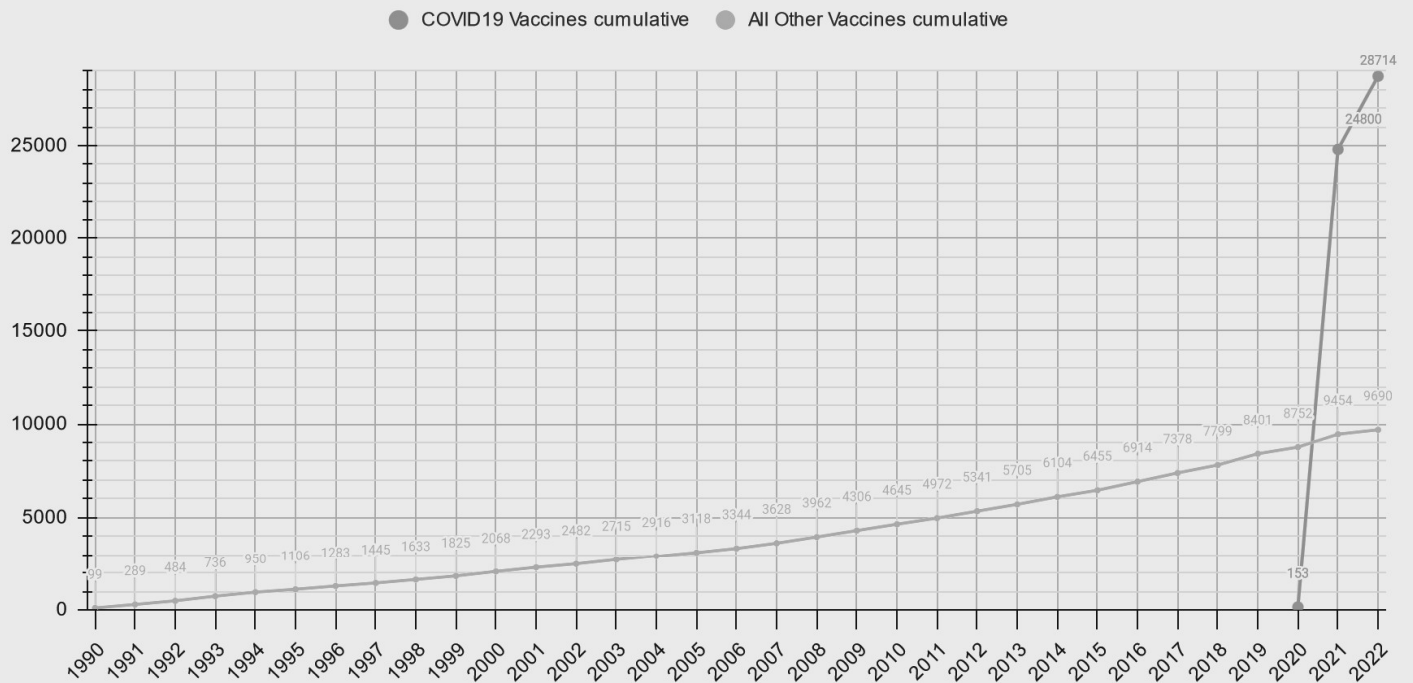
Reported Deaths by Year, COVID19 vs. All Other Vaccines

Data Obtained from CDC's VAERS



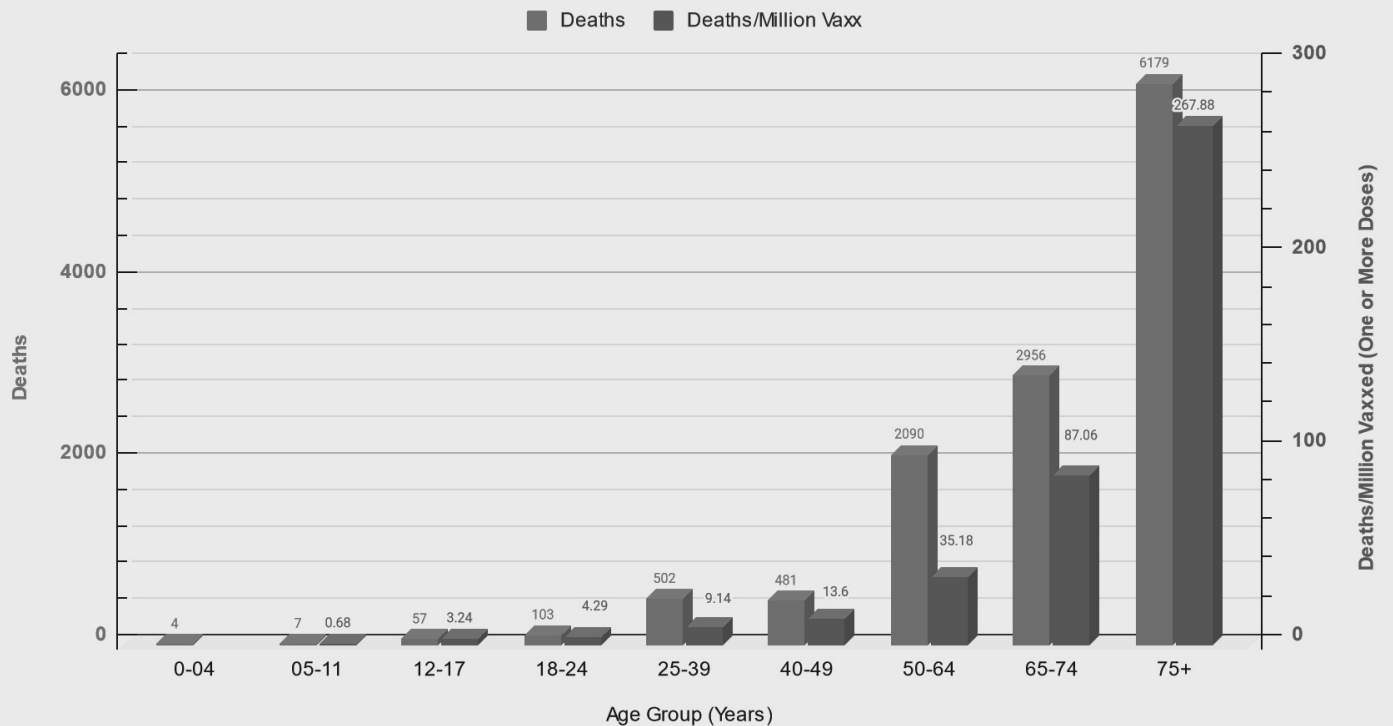
Reported Deaths by Year, COVID19 vs. All Other Vaccines, Cumulatively

Data Obtained from CDC's VAERS



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

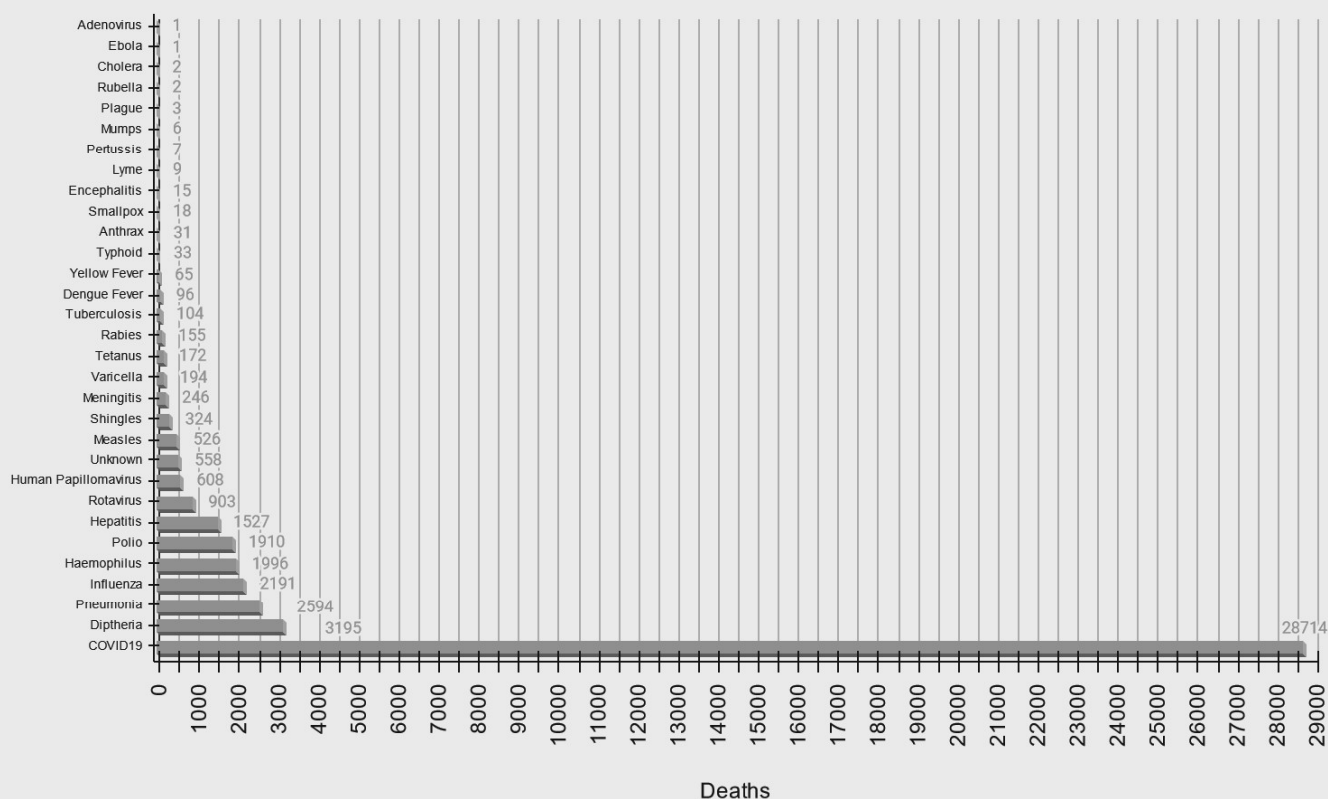
Data Obtained from CDC's VAERS



[Deaths/Million Vaxxed not available for 0-4 yo group as the vaccination data is not available from the CDC for that age range]

Reported Deaths By Vaccine Type, 1990-Present

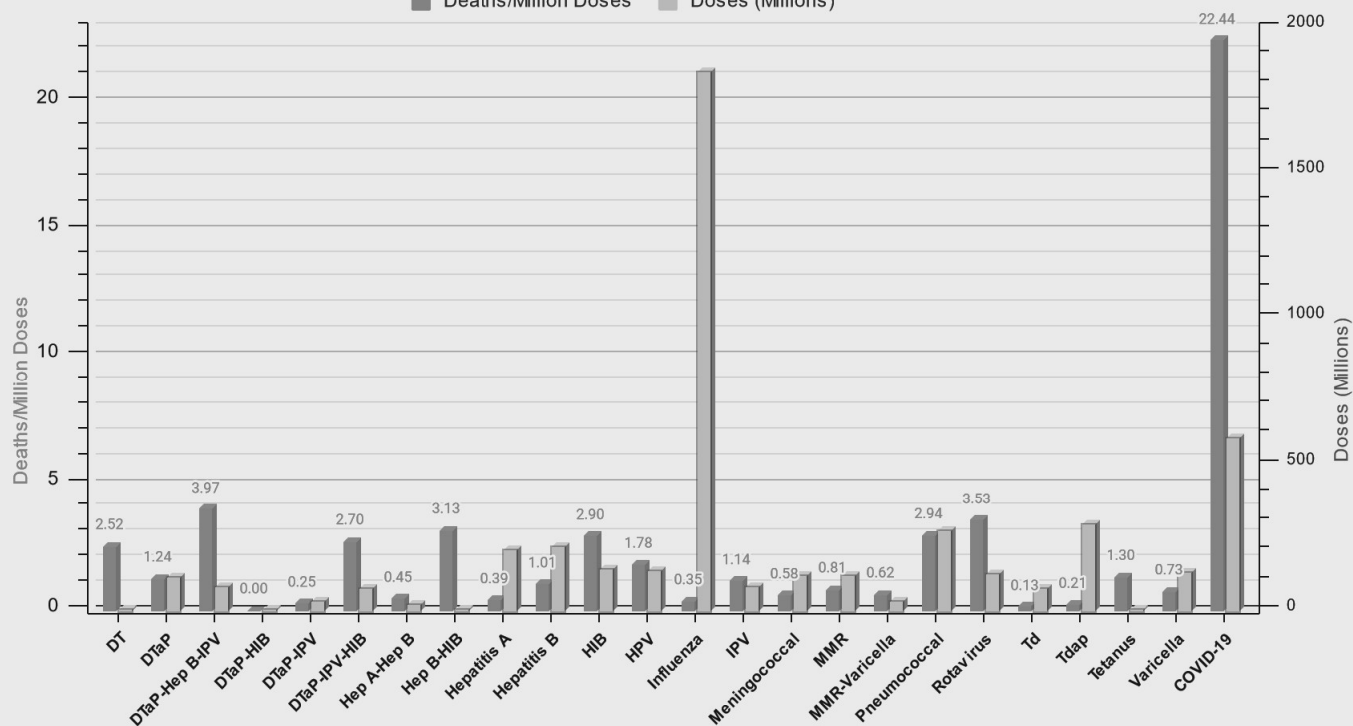
Data Obtained from CDC's VAERS



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

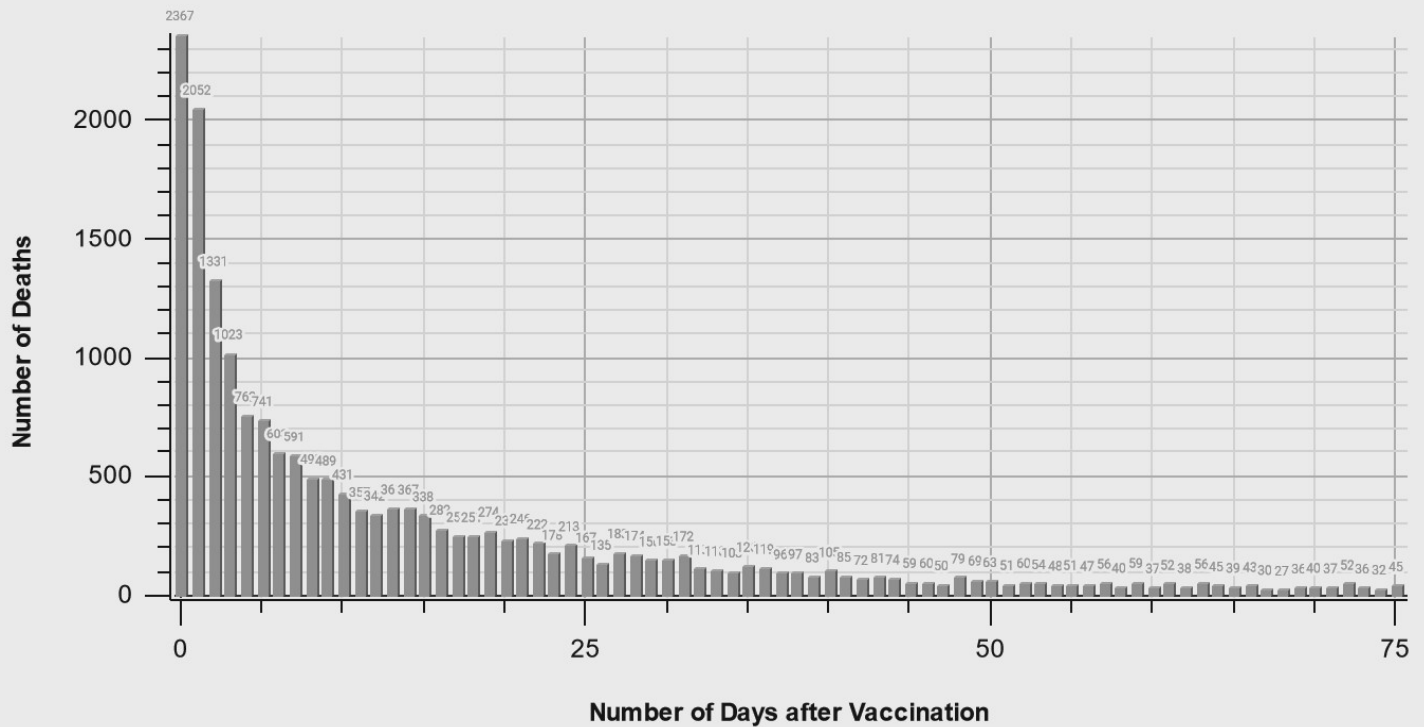
Data Obtained from CDC's VAERS and NVICP data & statistics report

■ Deaths/Million Doses ■ Doses (Millions)



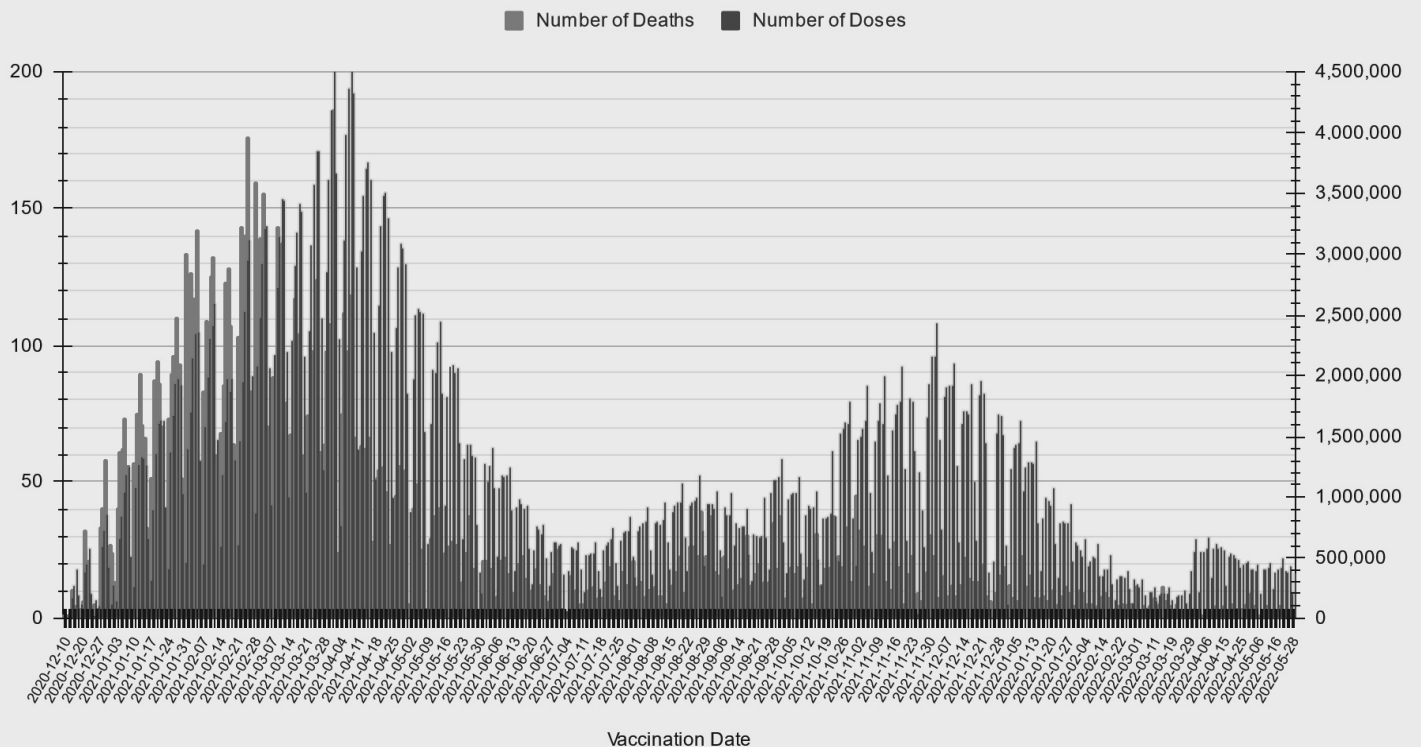
Number of Deaths by Days After COVID19 Vaccination

Data obtained from CDC's VAERS



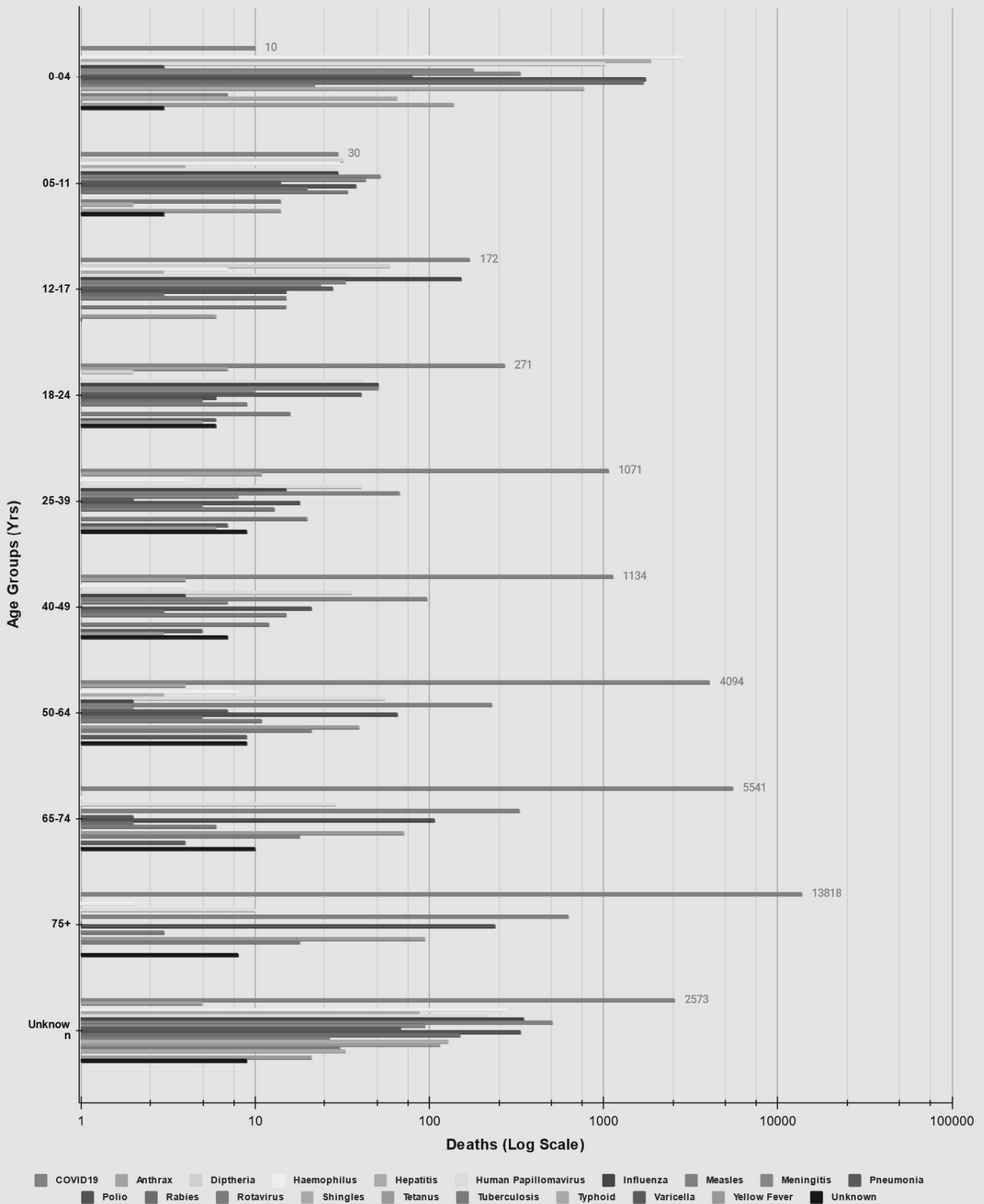
Reported Deaths Daily vs. Doses Administered for COVID19 Vaccines (US Data Only)

Data Obtained from CDC's VAERS & CDC



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

Data Obtained from CDC's VAERS

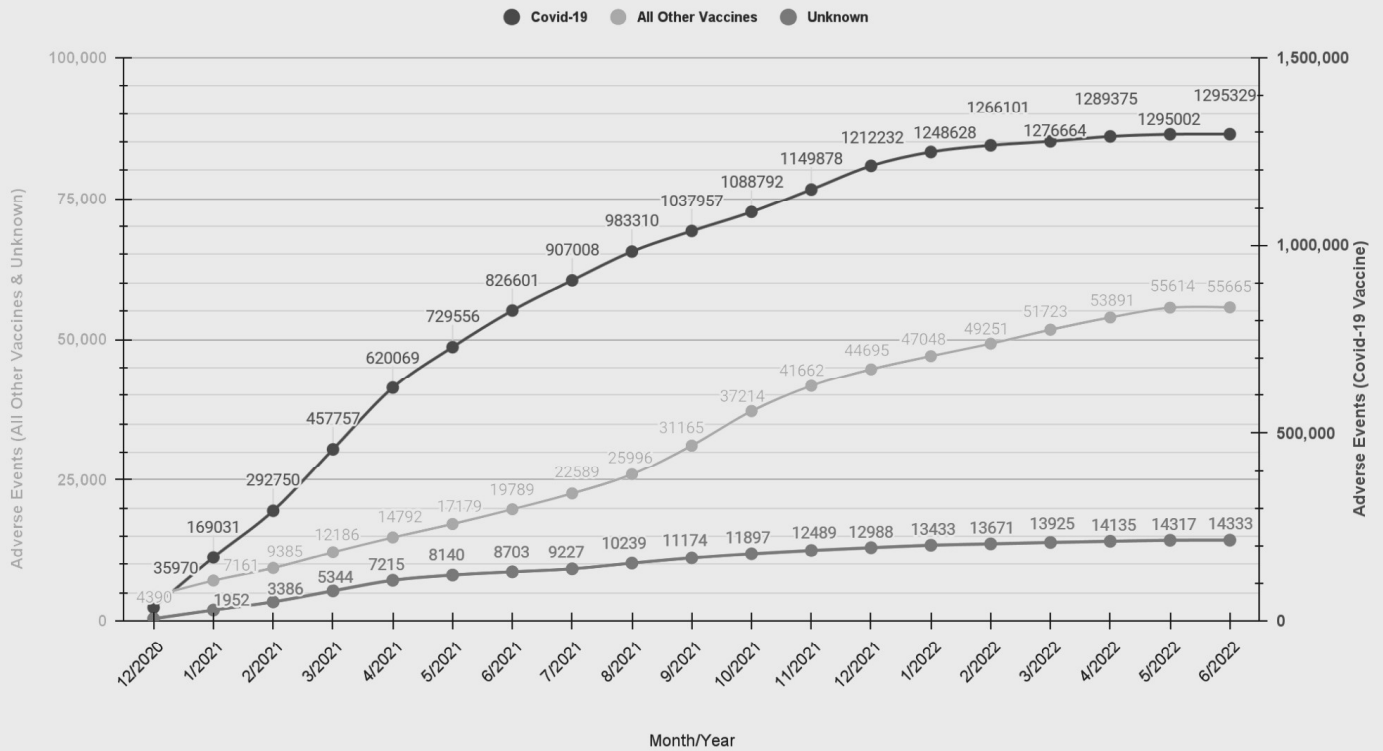


[Vaccines not included above (due to n < 20 overall deaths): Adenovirus, Cholera, Dengue Fever, Encephalitis, Ebola, Lyme, Mumps, Pertussis, Plague, Rubella, Smallpox]

Adverse Events

Cumulative Reported AEs After Vaccination - 1.5 Year Summary

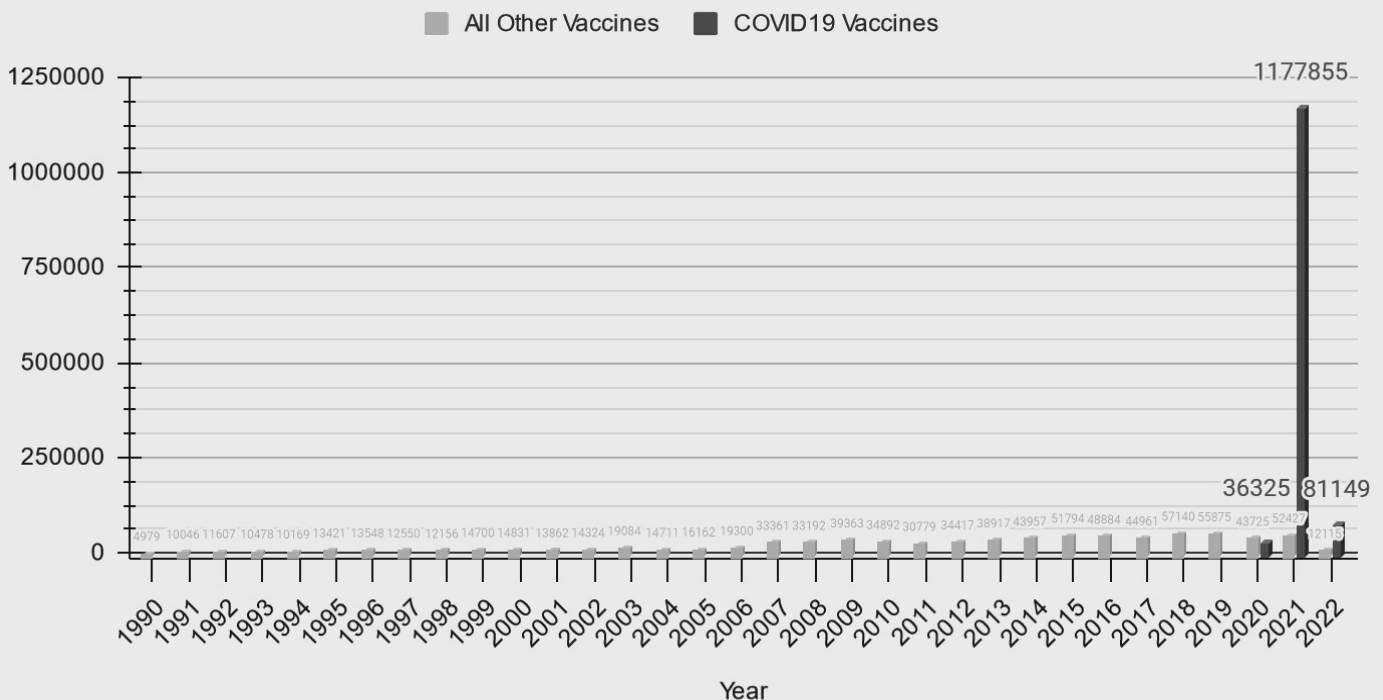
Data obtained from CDC's VAERS



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

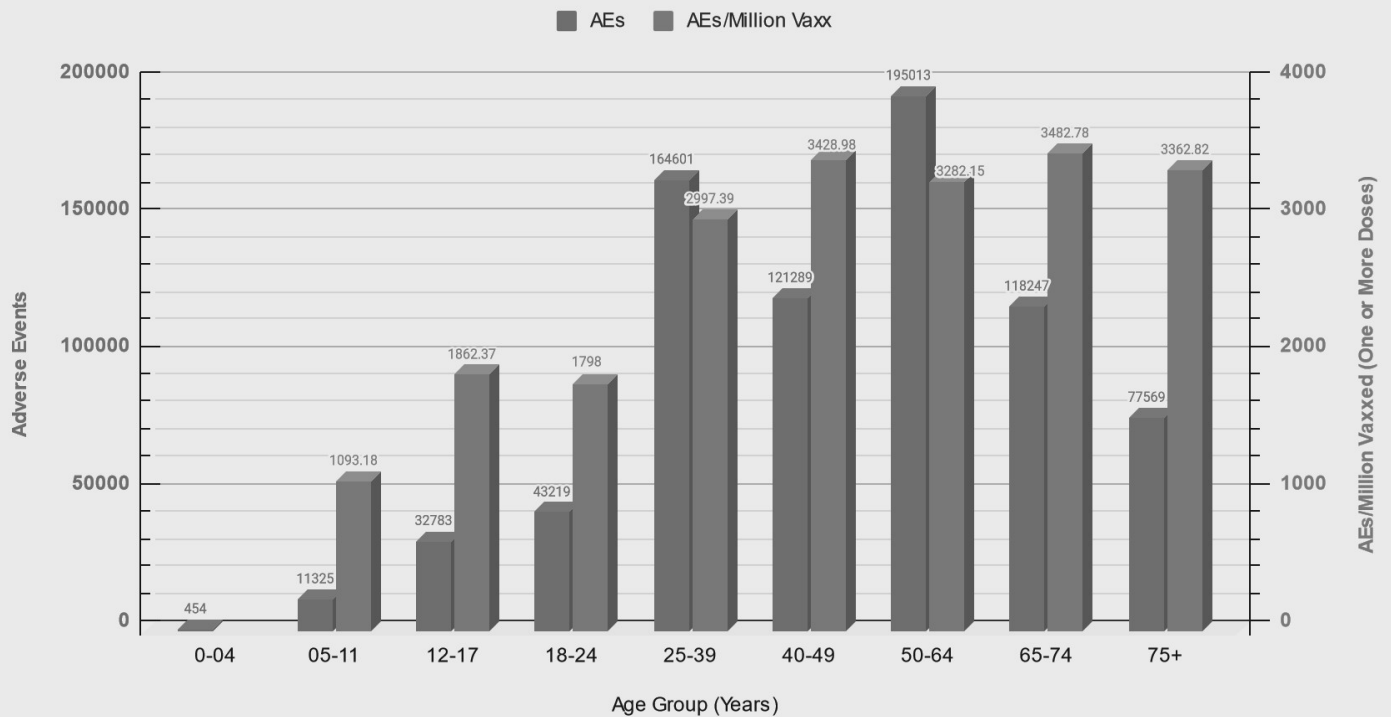
Reported Adverse Events by Year, COVID19 vs. All Other Vaccines

Data obtained from CDC's VAERS



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

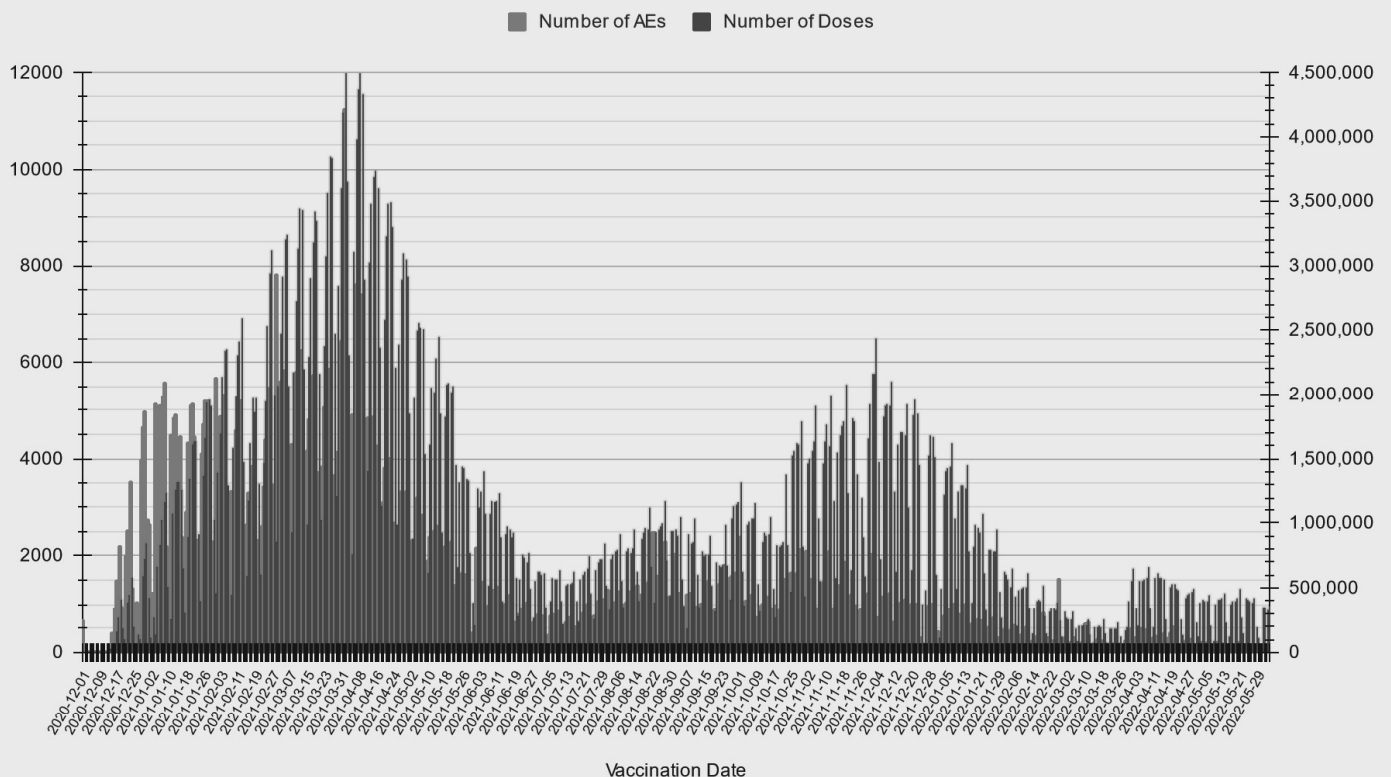
Data obtained from CDC's VAERS



[AEs/Million Vaxxed not available for 0-4 yo group as the vaccination data is not available from the CDC for that age range]

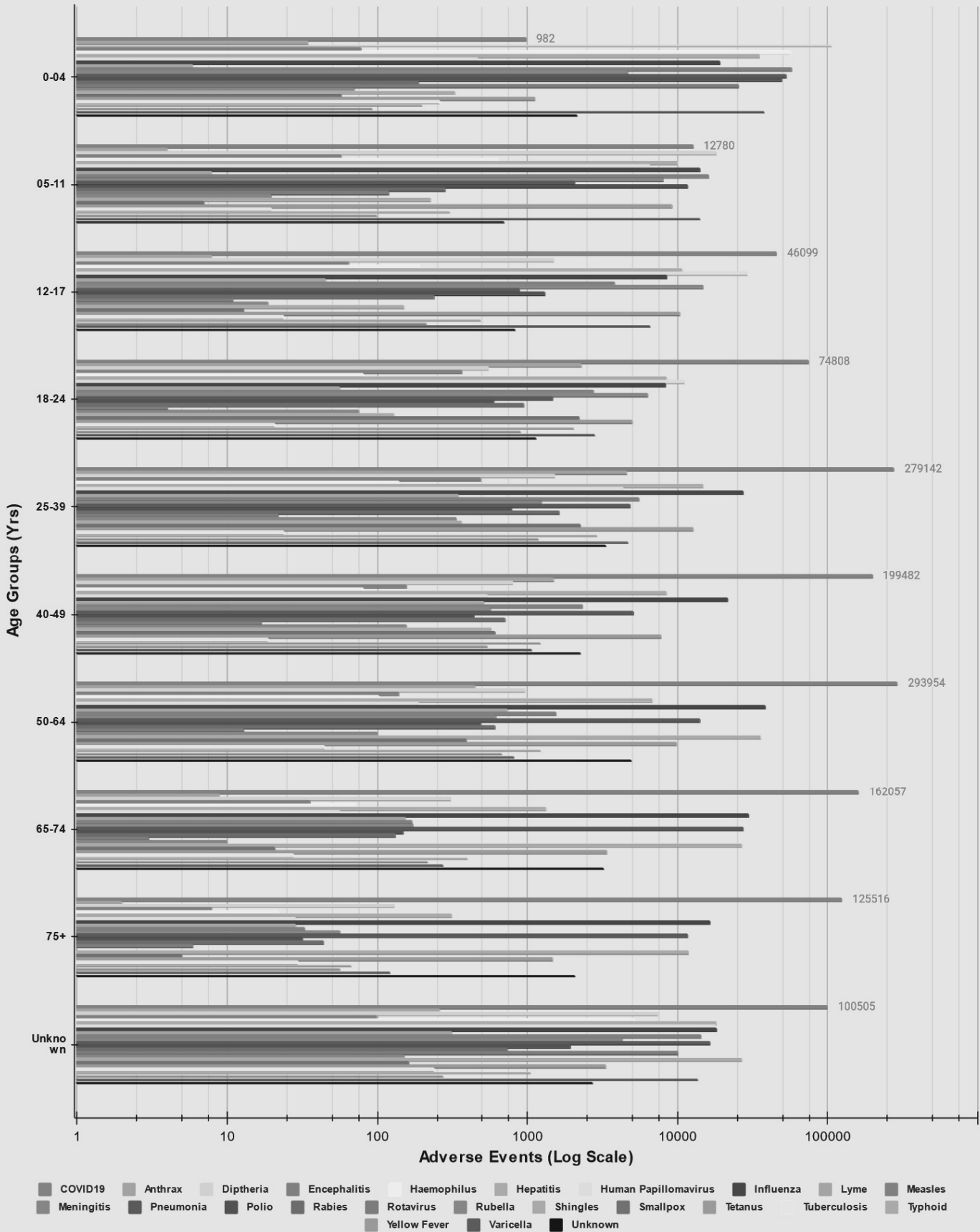
Reported Adverse Events Daily, COVID19 Vaccines vs. Doses Administered (US Data Only)

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*****

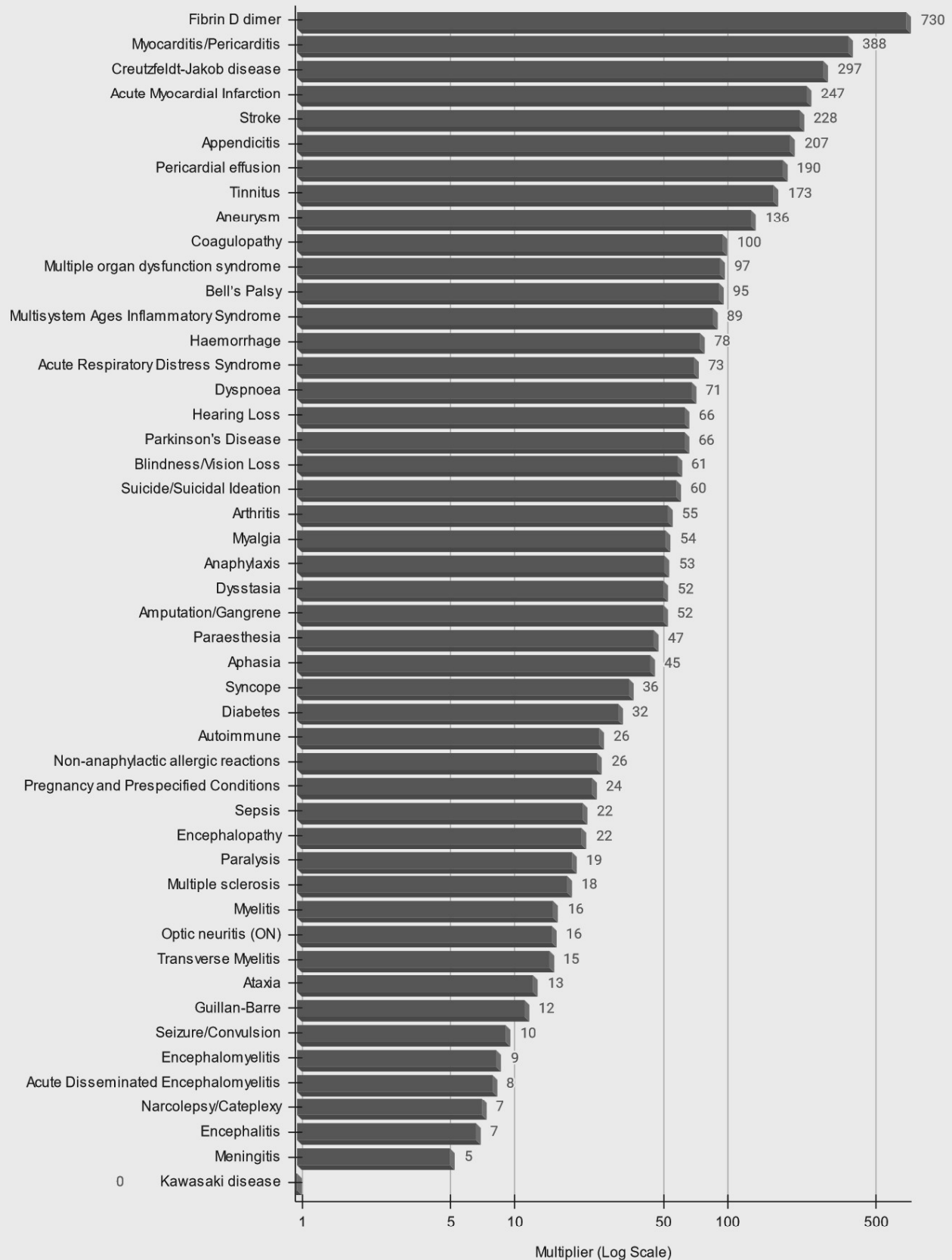
<ul style="list-style-type: none"> ▪ Guillain-Barré syndrome ▪ Acute disseminated encephalomyelitis ▪ Transverse myelitis ▪ Encephalitis/myelitis/encephalomyelitis/meningoencephalitis/meningitis/encephalopathy ▪ Convulsions/seizures ▪ Stroke ▪ Narcolepsy and cataplexy ▪ Anaphylaxis ▪ Acute myocardial infarction ▪ Myocarditis/pericarditis ▪ Autoimmune disease 	<ul style="list-style-type: none"> ▪ 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
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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	2692	54	4488	141
Acute Disseminated Encephalomyelitis	201	7	447	30
Transverse Myelitis	611	5	842	15
Encephalitis	2476	323	4864	456
Convulsions/Seizures	16008	519	29973	520
Stroke	15676	1409	1612	110
Narcolepsy, Cataplexy	306	6	383	3
Anaphylaxis	49387	185	41305	151
Acute Myocardial Infarction (Heart Attack)	5175	1467	341	154
Myocarditis/Pericarditis	22411	311	976	88
Autoimmune Disease	1879	32	1111	16
Other Acute Demyelinating Diseases	377	7	859	25
Pregnancy and birth outcomes (Miscarriages)	4471	144	2895	49
Other Allergic Reactions	2380	3	2061	3
Thrombocytopenia	5924	456	3591	132
Disseminated Intravascular Coagulation	258	81	60	25
Venous Thromboembolism	24819	1473	673	113
Arthritis and Arthralgia/Joint Pain	79452	265	29012	77
Kawasaki Disease	93	2	717	9
Systemic Inflammatory Response Syndrome	867	61	366	5

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

(Data from VAERS through 6/3/22)



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 ^[3]	# of Deaths	Risk of Death	Percentage	Deaths/Mill. Vaccinations ^[3]
Flu	167,447,642 ^[1]	33	1 in 5,074,171	0.000020%	.20
COVID19	173,308,233 ^[2]	5,784	1 in 29,963	0.003337%	33.37
Risk of dying from COVID vaccine is 169 times greater than Flu Vaccine					

Vaccine Type	# of Vaccinations ^[3]	# of Adverse Reactions	Risk of Adverse Reaction	Percentage	AEs/Mill. Vaccinations ^[3]
Flu	167,447,642	9,725	1 in 17,218	0.005808%	58.08
COVID19	173,308,233	564,846	1 in 307	0.32592%	3,259.20
Risk of adverse reaction from COVID vaccine is 56 times greater than Flu Vaccine					

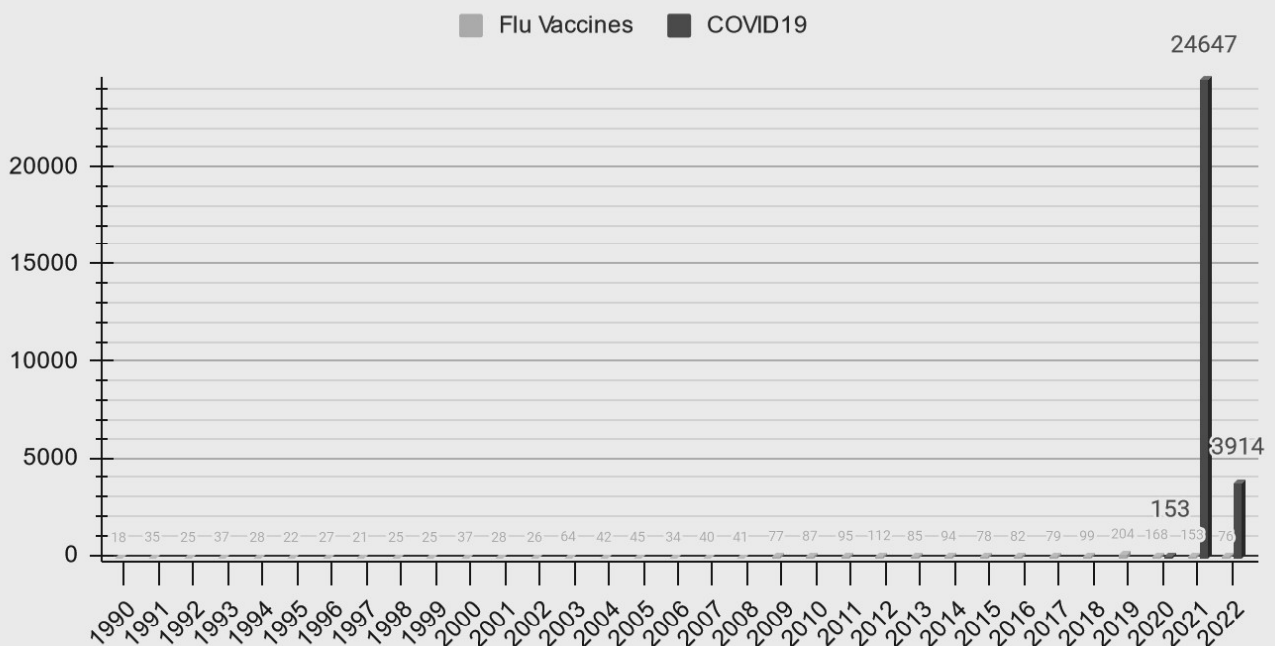
[1] number of flu vaccinations based on estimated flu vaccine coverage data from [CDC](#) and estimated population data from [US Census](#). Yearly flu vaccination data covers a period of time from 7/1 to 5/31 of the following year.

[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)	2483	8.62%	5.37	1615	18,791,038	85.95	462	2/26/21
Moderna	7524	26.13%	14.14	5527	222,606,034	24.83	532	12/18/20
Pfizer/Biontech	18638	64.72%	34.58	6064	348,097,820	17.42	539	12/11/20
Unknown	152	0.53%		52	581,619			

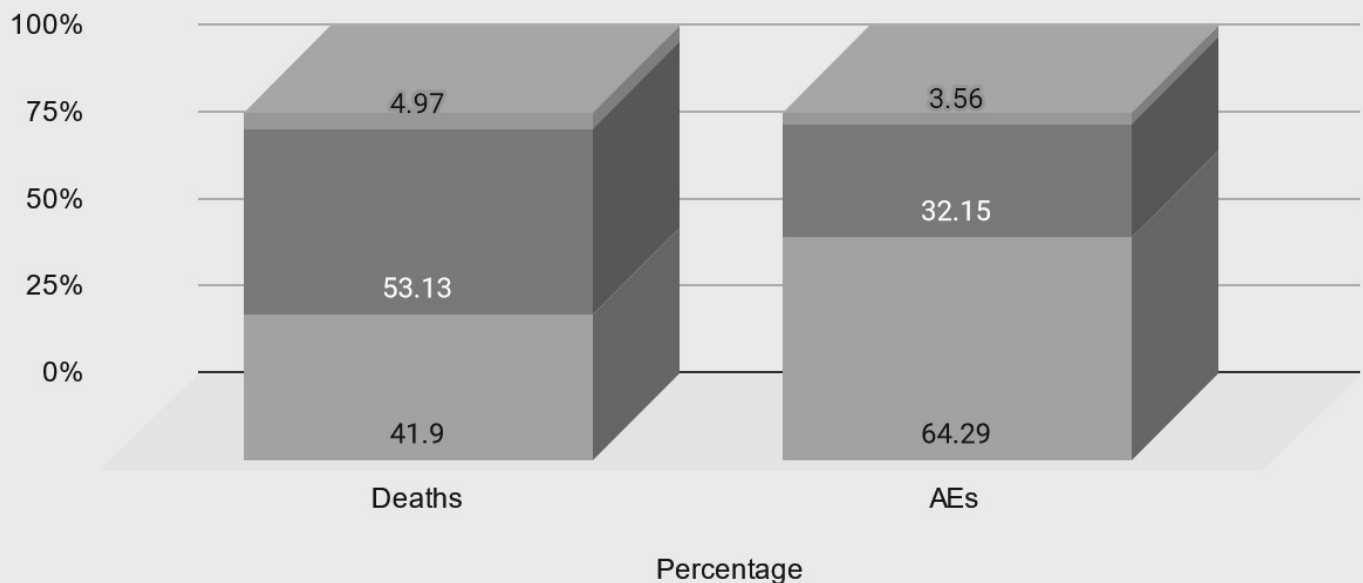
Manufacturer	# of AEs	% AEs	Average AEs/Day	# US AEs	# US Doses Administered	Average US AEs/Mill. Doses	Days since EUA approval	EUA Approval Date
Janssen (JNJ)	89167	6.86%	193	69291	18,791,038	3687.45	462	2/26/21
Moderna	451984	34.76%	849.59	378036	222,606,034	1698.23	532	12/18/20
Pfizer/Biontech	754158	58.01%	1399.18	381943	348,097,820	1097.23	539	12/11/20
Unknown	4819	0.37%		2461	581,619			

Vaccine Data by Gender

Gender Distribution of Reported Deaths and AEs after COVID19 Vaccination

All Data Obtained from CDC's VAERS

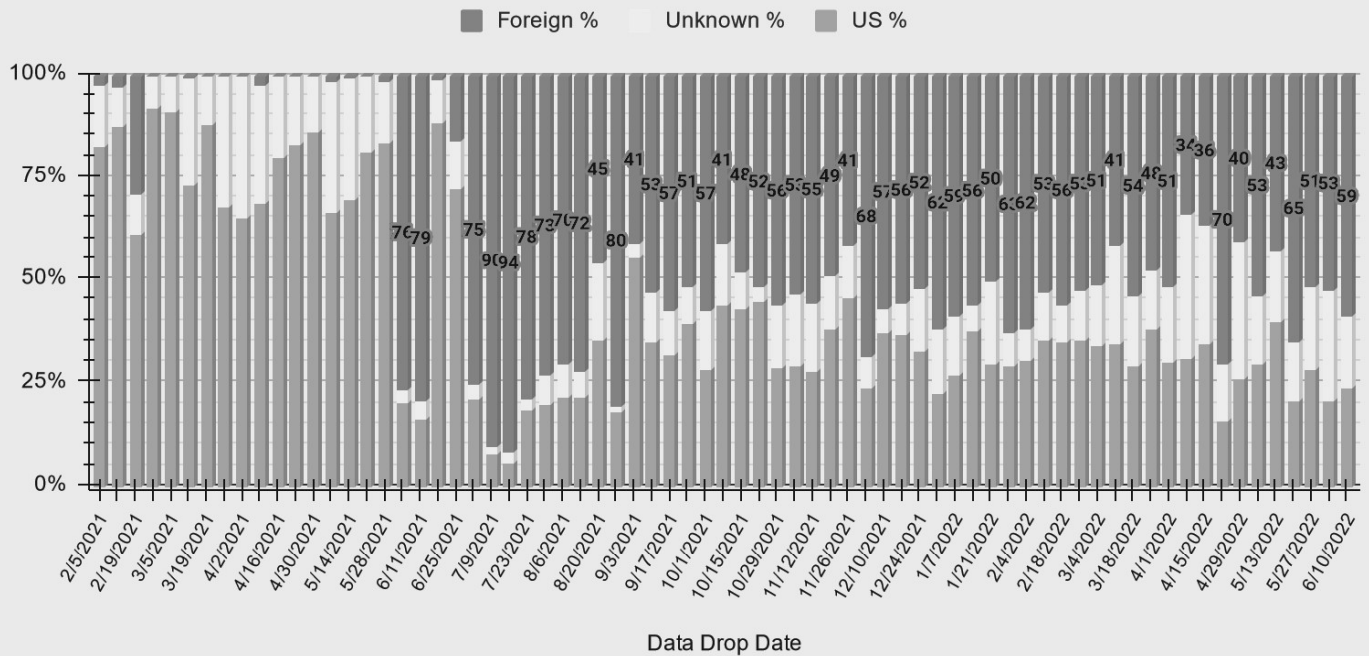
Unknown Male Female



Vaccine Data by Location

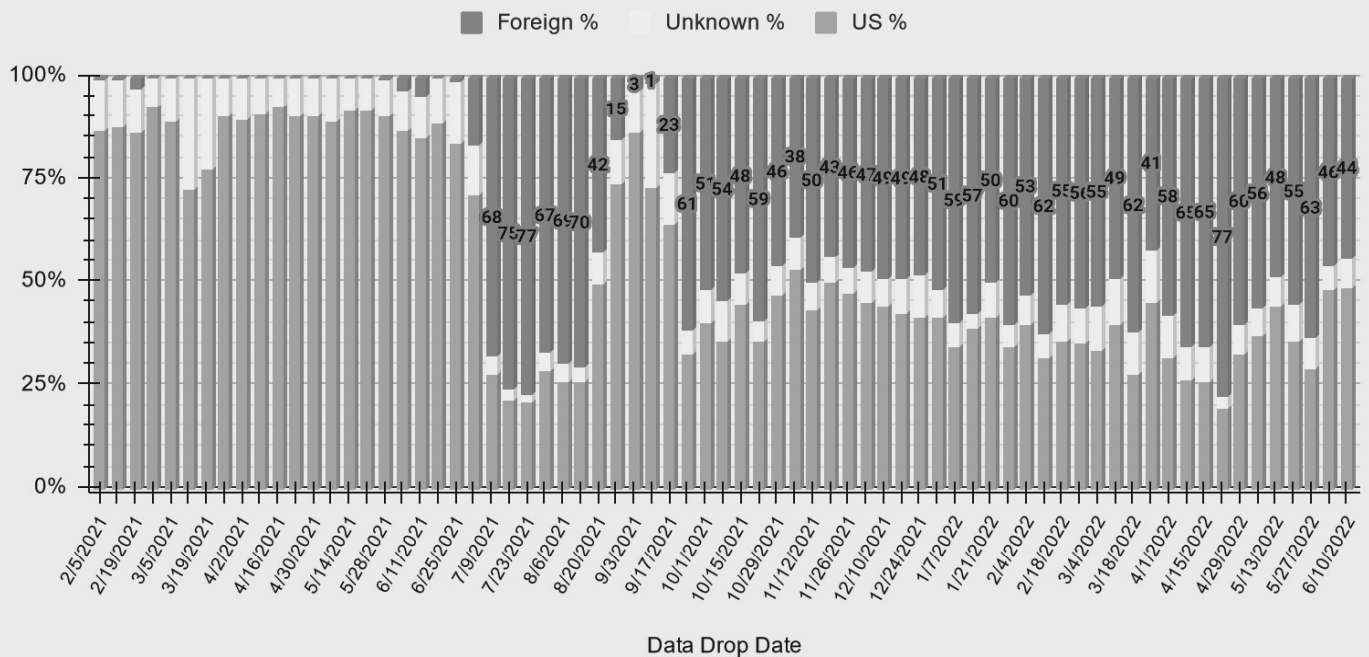
Distribution by Location of Reported Deaths after COVID19 Vaccination

All Data Obtained from CDC's VAERS



Distribution by Location of Reported Adverse Events after COVID19 Vaccination

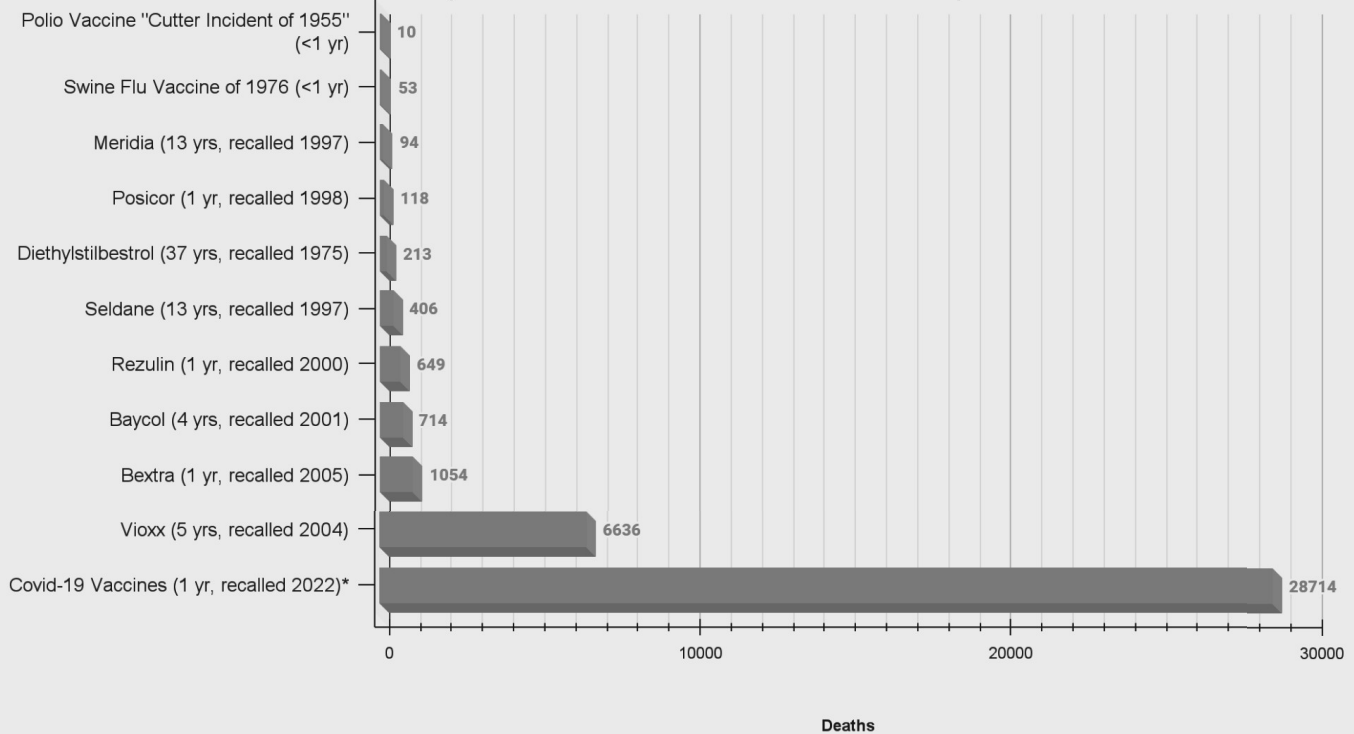
All Data Obtained from CDC's VAERS



Recall History

Reported Deaths for Major Drug/Vaccine Recalls

(Data Obtained from VAERS and FAERS)



*Projected

Sources

Visit: 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
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/covaxview/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>