



**ID, sex, n doses**

- VAERS ID<sup>Ⓔ</sup>
- Female
- Male
- Unknown (sex)
- n doses (u = unk.)

**n per manufacturer**

Janssen	1351
Moderna	4618
Novavax	6
Pfizer	15305
Unknown	144

**Outcome**

- Recovered
- Not recovered
- Died
- Unknown

**Age = unknown<sup>‡‡</sup>**

COVID-19	2659
All other	1737

**n symptoms**

COVID-19	137
All other	133

**Onset date<sup>‡</sup>**

Date range	n IDs
07–08	3
05–06	5
03–04	13
2024, 01–02	27
11–12	86
09–10	115
07–08	31
05–06	76
03–04	125
2023, 01–02	177
11–12	302
09–10	276
07–08	255
05–06	340
03–04	516
2022, 01–02	1300
11–12	1938
09–10	1749
07–08	2940
05–06	3718
03–04	2853
2021, 01–02	1504
2020, 11–12	122
Unknown	2953

**Onset interval<sup>‡</sup>**

n days	n IDs
≤ 3	7332
5	898
10	1784
20	1963
30	1146
60	1344
90	601
120	357
150	270
180	219
210	148
≥ 211	673
Unk.	4689

	All COVID-19 2020.12.14–2024.08.30	All non-COVID-19 1990.07–2020.12.13
n VAERS IDs	21424	14800
μ, Mean <sup>‡‡</sup>	50.8	32.8
χ̂, Median <sup>‡‡</sup>	51.0	30.0
σ, Standard deviation <sup>‡‡</sup>	17.4	25.1
γ, Skewness <sup>‡‡</sup>	–0.0	0.3
n Hospitalized	9076	8582
n Life threatening	1373	2543
n Recovered	2145	2906
n Not recovered	15470	6305
n Died	291	681

†Terms queried in SYMPTOMS 1–5 include: acute hemorrhagic leukoencephalitis, (acoustic/cervical/cranial/optic/retrobulbar/trigeminal/vestibular) neuritis, cerebritis, chronic inflammatory demyelinating polyneuropathy, encephalitis, encephalomyelitis, (Guillain-Barré, Miller-Fisher) syndrome, meningitis, multiple sclerosis, myelitis, neuromyelitis optica, neuroretinitis, neurosarcoidosis, & transverse myelitis.‡Onset of symptoms post vaccine.‡‡n IDs are all COVID-19.‡‡Natural language processing was used to extract age values from SYMPTOM TEXT & fill in missing data. Remaining reports with unknown age are neither plotted, nor included in calculations, but are included in subtotals. All plotted age values have a random adjustment within ~ ± 0.5 yr. Selected CV-19 missing onset interval data (age < 10 years old) were manually edited using SYMPT TEXT. All other data are plotted 'as is'. ⒺSymbols link to OpenVAERS reports. \*VAERS disclaimer (excerpts): "... VAERS is designed to rapidly detect unusual or unexpected patterns of adverse events, also known as 'safety signals'. If a safety signal is found in VAERS data, further studies can be done in safety systems such as the CDC's [VSD & CISA]." "VAERS reports may contain information that is incomplete, inaccurate, coincidental, or unverifiable." "Note that the inclusion of events in VAERS data does not infer causality." vaers.hhs.gov