



ID, sex, *n* doses

◇ VAERS ID [‡]
◇ Female
◇ Male
◇ Unknown (sex)
◇ <i>n</i> doses (<i>u</i> =unk.)

***n* per manufacturer**

Janssen	523
Moderna	6210
Novavax	8
Pfizer	21981
Unknown	149

Outcome

◆ Recovered
◆ Not recovered
● Died
● Unknown

Onset interval[‡]

<i>n</i> days	<i>n</i> IDs
≤3	11432
5	1617
10	2048
20	2353
30	1366
60	1761
90	596
120	322
150	213
180	149
210	111
≥211	449
Unk.	6454

Onset date[‡]

Date range	<i>n</i> IDs
07–08	1
05–06	8
03–04	12
2024, 01–02	19
11–12	55
09–10	71
07–08	25
05–06	30
03–04	41
2023, 01–02	80
11–12	200
09–10	213
07–08	190
05–06	310
03–04	522
2022, 01–02	2434
11–12	4159
09–10	3632
07–08	6038
05–06	4599
03–04	1591
2021, 01–02	662
2020, 11–12	25
Unknown	3954

***n* symptoms**

COVID-19	50
All other	25

Age = unknown^{‡‡}

COVID-19	3432
All other	72

	All COVID-19 2020.12.14–2024.08.30	All non-COVID-19 1990.07–2020.12.13
<i>n</i> VAERS IDs	28871	1085
<i>μ</i> , Mean ^{‡‡}	38.1	29.4
<i>x̂</i> , Median ^{‡‡}	35.0	24.0
<i>σ</i> , Standard deviation ^{‡‡}	18.4	19.0
<i>γ</i> , Skewness ^{‡‡}	0.6	0.9
<i>n</i> Hospitalized	14801	631
<i>n</i> Life threatening	3203	240
<i>n</i> Recovered	5120	336
<i>n</i> Not recovered	18931	297
<i>n</i> Died	589	110

[†]Terms queried in SYMPTOM fields 1–5 include: carditis, Dressler’s syndrome, endocarditis, inflammatory cardiomyopathy, myocarditis, myopericarditis, pancarditis, pericarditis, perimyocarditis, and pleuropericarditis. Terms excluded: prosthetic valve endocarditis.

^{‡‡}Natural language processing was used to extract age values from SYMPTOM TEXT and fill in missing data. Remaining reports with unknown age are neither plotted, nor included in calculations, but are included in subtotals (*n* VAERS IDs etc.). All plotted age values have a random adjustment within $\sim \pm 0.5$ yr. Selected COVID-19 missing onset interval values (especially children less than 10 years old) were manually edited using SYMPTOM TEXT. All other data are plotted ‘as is’.

[‡]VAERS disclaimer (excerpt): “... VAERS is designed to rapidly detect unusual or unexpected patterns of adverse events, also known as ‘safety signals’. If a possible ... signal is found in VAERS data, further analysis is performed with other safety systems, such as the CDC’s [VSD & CISA, or FDA BEST].” “VAERS reports may contain information that is incomplete, inaccurate, coincidental, or unverifiable.” “The number of reports alone cannot be interpreted as evidence of a causal association between a vaccine & an adverse event.” vaers.hhs.gov

^{‡‡‡}Onset of symptoms post vaccine. [‡]*n* IDs are all COVID-19.

^{‡‡‡}Symbols link to respective reports at OpenVAERS.