



ID, sex, <i>n</i> doses		<i>n</i> per manufacturer	
◇ VAERS ID <sup>‡</sup>		Janssen	579
◇ Female		Moderna	4377
◇ Male		Novavax	4
◇ Unknown (sex)		Pfizer	6629
◇ <i>n</i> doses ( <i>u</i> =unk.)		Unknown	74

Outcome	
◆ Recovered	
◆ Not recovered	
● Died	
● Unknown	

Onset date <sup>‡</sup>	
Date range	<i>n</i> IDs
07–08	1
05–06	2
03–04	0
2024, 01–02	11
11–12	29
09–10	32
07–08	6
05–06	7
03–04	28
2023, 01–02	41
11–12	93
09–10	91
07–08	94
05–06	122
03–04	221
2022, 01–02	624
11–12	982
09–10	1057
07–08	1687
05–06	1760
03–04	1696
2021, 01–02	1469
2020, 11–12	267
Unknown	1343

Onset interval <sup>‡</sup>		<i>n</i> symptoms	
<i>n</i> days	<i>n</i> IDs	COVID-19	All other
≤ 3	6491	12	10
5	227		
10	422		
20	507		
30	394		
60	561		
90	254		
120	128		
150	122		
180	96		
210	77		
≥ 211	365		
Unk.	2019		

Age = unknown <sup>‡‡</sup>	
COVID-19	1718
All other	1182

	All COVID-19 2020.12.14–2024.08.30	All non-COVID-19 1990.07–2020.12.13
<i>n</i> VAERS IDs	11663	5268
$\mu$ , Mean <sup>‡‡</sup>	32.2	27.0
$\hat{x}$ , Median <sup>‡‡</sup>	33.0	28.0
$\sigma$ , Standard deviation <sup>‡‡</sup>	7.6	7.9
$\gamma$ , Skewness <sup>‡‡</sup>	-1.0	-0.6
<i>n</i> Hospitalized	2318	426
<i>n</i> Life threatening	621	110
<i>n</i> Recovered	4892	1205
<i>n</i> Not recovered	4147	600
<i>n</i> Died	281	53

<sup>†</sup>Terms queried in SYMPTOM fields 1–5 include: fetal exposure (during pregnancy, timing unspecified), maternal exposure (before pregnancy, during pregnancy, during delivery, during breast feeding, timing unspecified, via partner during pregnancy), exposure (during breast feeding, via breast milk), and paternal exposure.  
<sup>‡</sup>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'.  
<sup>‡‡</sup>VAERS disclaimer (excerpts): "... 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