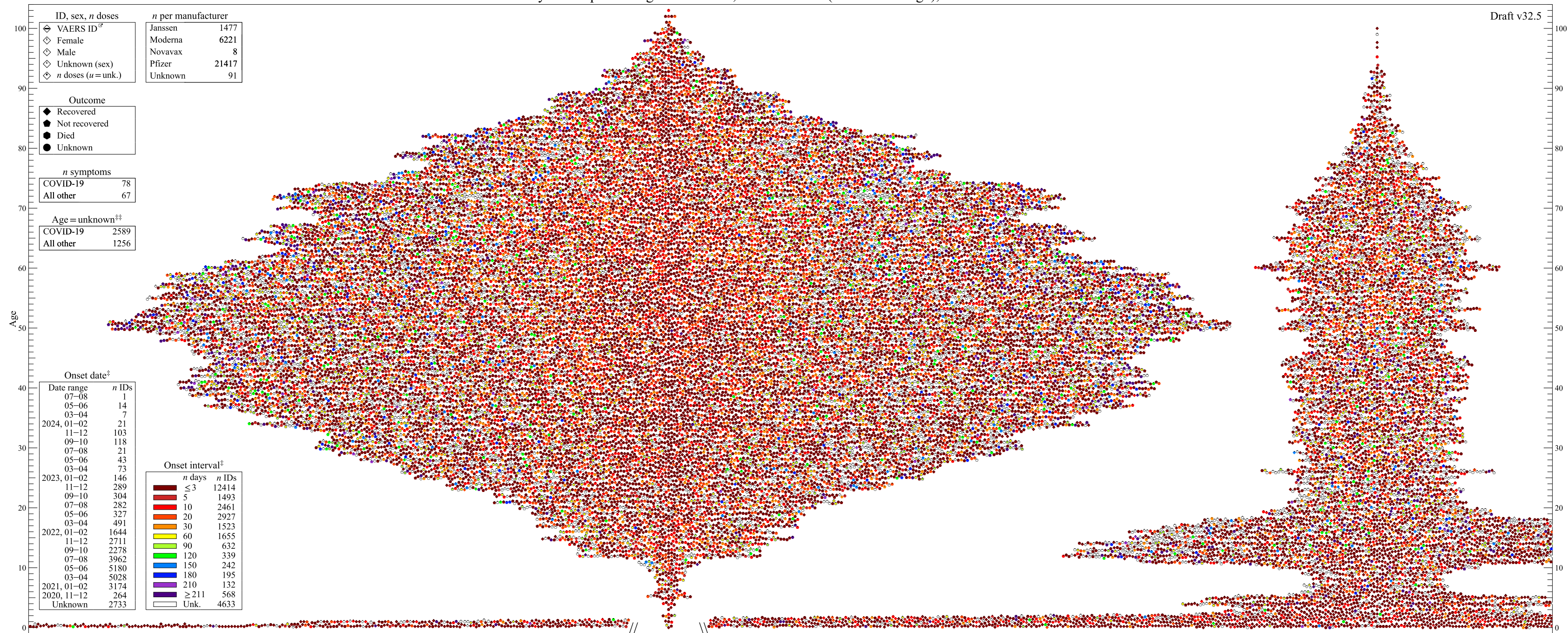


Paralysis and paresis: age distribution, VAERS data* (U.S. and foreign), 1990.07–2024.08.30[†]

Draft v32.5



ID, sex, *n* doses

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

***n* per manufacturer**

Janssen	1477
Moderna	6221
Novavax	8
Pfizer	21417
Unknown	91

Outcome

Recovered	◆
Not recovered	●
Died	●
Unknown	●

***n* symptoms**

COVID-19	78
All other	67

Age = unknown^{‡‡}

COVID-19	2589
All other	1256

Onset date[‡]

Date range	<i>n</i> IDs
07–08	1
05–06	14
03–04	7
2024, 01–02	21
11–12	103
09–10	118
07–08	21
05–06	43
03–04	73
2023, 01–02	146
11–12	289
09–10	304
07–08	282
05–06	327
03–04	491
2022, 01–02	1644
11–12	2711
09–10	2278
07–08	3962
05–06	5180
03–04	5028
2021, 01–02	3174
2020, 11–12	264
Unknown	2733

Onset interval[‡]

<i>n</i> days	<i>n</i> IDs
≤ 3	12414
5	1493
10	2461
20	2927
30	1523
60	1655
90	632
120	339
150	242
180	195
210	132
≥ 211	568
Unk.	4633

	All COVID-19 2020.12.14–2024.08.30	All non-COVID-19 1990.07–2020.12.13
<i>n</i> VAERS IDs	29214	11875
μ , Mean ^{‡‡}	51.9	26.6
\hat{x} , Median ^{‡‡}	52.0	17.0
σ , Standard deviation ^{‡‡}	18.7	25.1
γ , Skewness ^{‡‡}	0.0	0.7
<i>n</i> Hospitalized	9051	4219
<i>n</i> Life threatening	1888	915
<i>n</i> Recovered	4420	4167
<i>n</i> Not recovered	19397	3943
<i>n</i> Died	497	204

[†]Terms queried in SYMPTOM fields 1–5 include: paralysis, paralytic, -plegia, palsy, and paresis. ^{‡‡}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 $\sim \pm 0.5$ yr. Selected CV-19 missing onset interval data (age < 10 years old) were manually edited using SYMPT TEXT. [‡]Symbols link to OpenVAERS.
^{*}VAERS disclaimer (excerpts): "... VAERS is designed to rapidly detect unusual or unexpected patterns of adverse events, also known as 'safety signals'. If a ... signal is found ... further studies can be done in safety systems such as the CDC's [VSD & CISA]." "VAERS reports may contain information that is incomplete, inaccurate, [or] coincidental." "... inclusion of events in VAERS data does not infer causality." vaers.hhs.gov