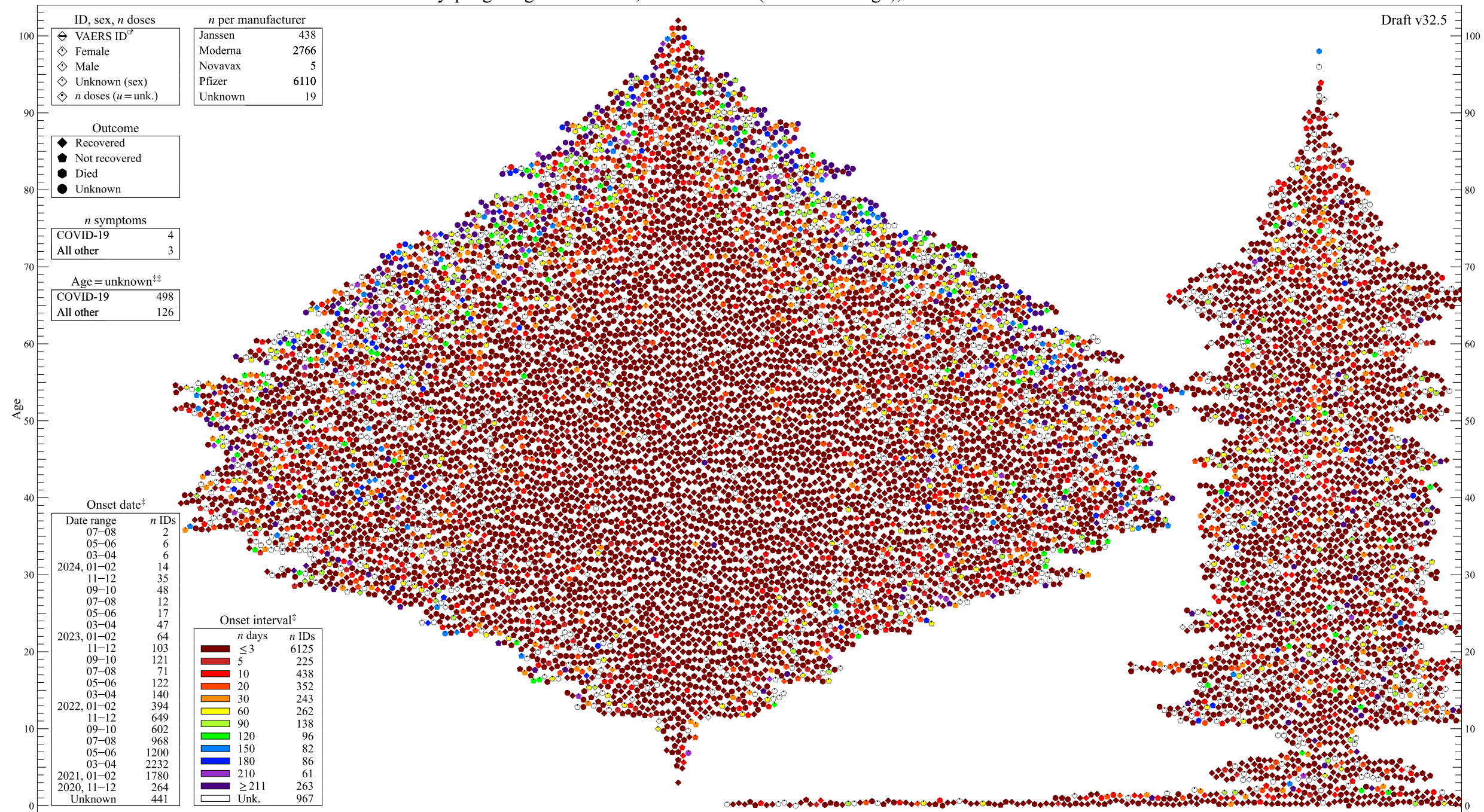


Dysphagia: age distribution, VAERS data* (U.S. and foreign), 1990.07–2024.08.30[†]

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	438
Moderna	2766
Novavax	5
Pfizer	6110
Unknown	19

Outcome

◆ Recovered
◆ Not recovered
◆ Died
◆ Unknown

***n* symptoms**

COVID-19	4
All other	3

Age = unknown^{‡‡}

COVID-19	498
All other	126

Onset date[‡]

Date range	<i>n</i> IDs
07–08	2
05–06	6
03–04	6
2024, 01–02	14
11–12	35
09–10	48
07–08	12
05–06	17
03–04	47
2023, 01–02	64
11–12	103
09–10	121
07–08	71
05–06	122
03–04	140
2022, 01–02	394
11–12	649
09–10	602
07–08	968
05–06	1200
03–04	2232
2021, 01–02	1780
2020, 11–12	264
Unknown	441

Onset interval[‡]

<i>n</i> days	<i>n</i> IDs
≤ 3	6125
5	225
10	438
20	352
30	243
60	262
90	138
120	96
150	82
180	86
210	61
≥ 211	263
Unk.	967

	All COVID-19 2020.12.14–2024.08.30	All non-COVID-19 1990.07–2020.12.13
<i>n</i> VAERS IDs	9338	3353
μ , Mean ^{‡‡}	50.1	37.0
\hat{x} , Median ^{‡‡}	49.0	36.0
σ , Standard deviation ^{‡‡}	18.8	24.3
γ , Skewness ^{‡‡}	0.2	0.1
<i>n</i> Hospitalized	2015	794
<i>n</i> Life threatening	854	350
<i>n</i> Recovered	3078	1692
<i>n</i> Not recovered	4266	841
<i>n</i> Died	328	74

[†]Terms queried in SYMPTOM fields 1–5 include: aphagia, dysphagia, and odynophagia. [‡]Onset of symptoms post vaccine. *n* IDs are all COVID-19.
^{‡‡}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. Symbols have a random adjustment within $\sim \pm 0.5$ yr. [Ⓔ]Symbols link to OpenVAERS.
^{*}VAERS disclaimer (excerpts): “... VAERS is designed to rapidly detect unusual or unexpected patterns of adverse events, also referred to as ‘safety signals’. If a possible safety signal is found ..., further analysis is performed with other safety systems, such as [CDC’s VSD & CISA, or FDA BEST].” vaers.hhs.gov