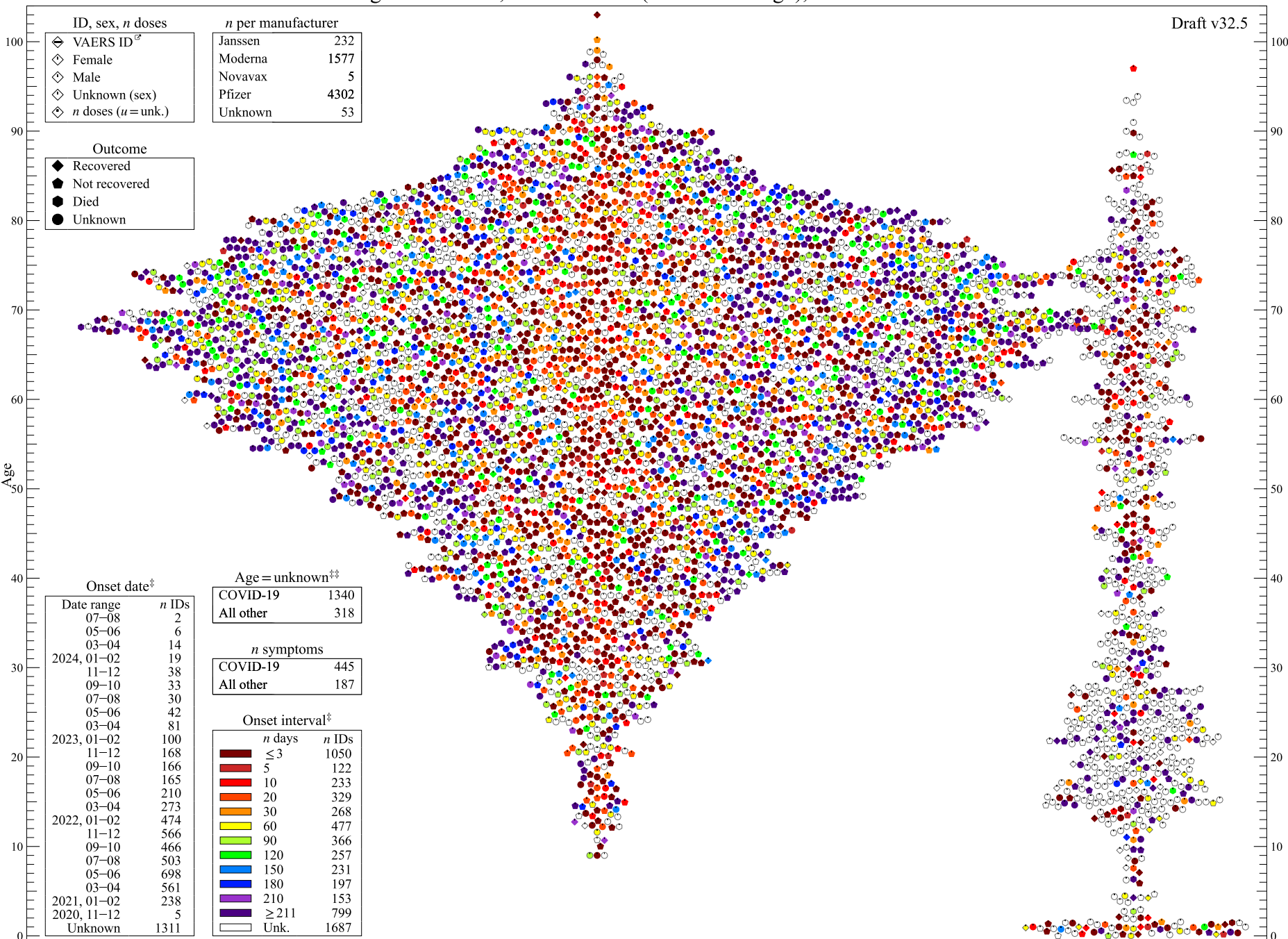


Cancer: age distribution, VAERS data* (U.S. and foreign), 1990.07–2024.08.30[†]

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	232
Moderna	1577
Novavax	5
Pfizer	4302
Unknown	53

Outcome

◆ Recovered
◆ Not recovered
◆ Died
◆ Unknown

Onset date[‡]

Date range	<i>n</i> IDs
07–08	2
05–06	6
03–04	14
2024, 01–02	19
11–12	38
09–10	33
07–08	30
05–06	42
03–04	81
2023, 01–02	100
11–12	168
09–10	166
07–08	165
05–06	210
03–04	273
2022, 01–02	474
11–12	566
09–10	466
07–08	503
05–06	698
03–04	561
2021, 01–02	238
2020, 11–12	5
Unknown	1311

Age = unknown^{‡‡}

COVID-19	1340
All other	318

***n* symptoms**

COVID-19	445
All other	187

Onset interval[‡]

<i>n</i> days	<i>n</i> IDs
≤ 3	1050
5	122
10	233
20	329
30	268
60	477
90	366
120	257
150	231
180	197
210	153
≥ 211	799
Unk.	1687

	All COVID-19 2020.12.14–2024.08.30	All non-COVID-19 1990.07–2020.12.13
<i>n</i> VAERS IDs	6169	1231
μ , Mean ^{‡‡}	62.3	42.0
\hat{x} , Median ^{‡‡}	64.0	40.0
σ , Standard deviation ^{‡‡}	16.1	25.2
γ , Skewness ^{‡‡}	−0.5	0.1
<i>n</i> Hospitalized	2362	272
<i>n</i> Life threatening	1783	240
<i>n</i> Recovered	510	154
<i>n</i> Not recovered	3579	411
<i>n</i> Died	895	149

[†]Terms queried in SYMPT 1–5 include: astrocytoma, (glio-/retino-) blastoma, cancer, carcinoma, glioma, leukemia, lymphoma, malignant (-germinoma/tumor), melanoma, meningioma, myeloma, sarcoma, and seminoma. Excl: benign.

^{‡‡}NLP 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 link to OpenVAERS.

*VAERS disclaimer (excerpt): "... VAERS is designed to rapidly detect unusual or unexpected patterns of adverse events, also known as 'safety signals'." "... the inclusion of events ... does not infer causality." vaers.hhs.gov/data.html