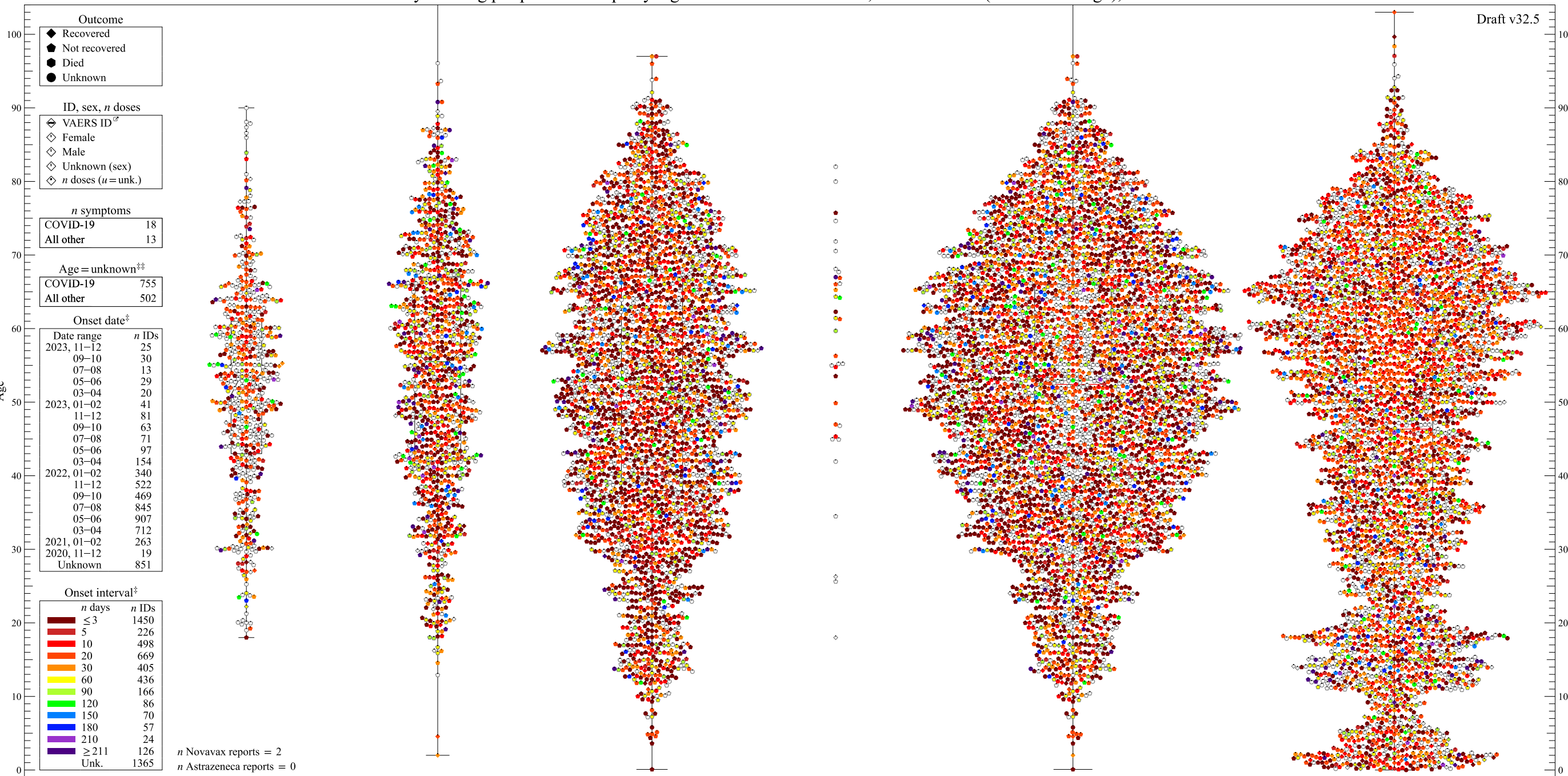


Axonal and demyelinating peripheral neuropathy: age and vaccine distribution, VAERS data* (U.S. and foreign), 1990.07–2024.08.30[†]

Draft v32.5



Outcome

- ◆ Recovered
- Not recovered
- Died
- Unknown

ID, sex, n doses

- ◇ VAERS ID[‡]
- ◇ Female
- ◇ Male
- ◇ Unknown (sex)
- ◇ n doses (u = unk.)

n symptoms

COVID-19	18
All other	13

Age = unknown^{}**

COVID-19	755
All other	502

Onset date[‡]

Date range	n IDs
2023, 11–12	25
09–10	30
07–08	13
05–06	29
03–04	20
2023, 01–02	41
11–12	81
09–10	63
07–08	71
05–06	97
03–04	154
2022, 01–02	340
11–12	522
09–10	469
07–08	845
05–06	907
03–04	712
2021, 01–02	263
2020, 11–12	19
Unknown	851

Onset interval[‡]

n days	n IDs
≤ 3	1450
5	226
10	498
20	669
30	405
60	436
90	166
120	86
150	70
180	57
210	24
≥ 211	126
Unk.	1365

n Novavax reports = 2
n Astrazeneca reports = 0

	Janssen COVID-19	Moderna COVID-19	Pfizer/BioNTech COVID-19	Unknown manufacturer COVID-19	All COVID-19 2020.12.14–2024.08.30	All non-COVID-19 1990.07–2020.12.13
n VAERS IDs	653	1145	3730	48	5578	4795
μ , Mean ^{**}	51.8	54.4	51.8	57.0	52.4	46.3
\hat{x} , Median ^{**}	53.0	55.5	52.0	60.5	53.0	51.0
σ , Standard deviation ^{**}	13.8	16.9	19.0	15.1	18.0	23.3
γ , Skewness ^{**}	-0.1	-0.1	-0.2	-0.8	-0.2	-0.2
n Hospitalized	409	629	2031	26	3095	3351
n Life threatening	96	146	361	8	611	1107
n Recovered	34	90	255	2	381	820
n Not recovered	473	882	2826	28	4211	2062
n Died	16	17	66	2	101	141

[†]Terms queried in SYMPTOM fields 1–5 include: (acute) (motor-sensory) axonal/demyelinating (neuropathy, polyneuropathy, polyradiculoneuropathy, disease), (Guillain-Barré, Miller Fisher, Lewis-Sumner, POEMS) syndrome, neuralgic amyotrophy, (anti-myelin-associated glycoprotein, multifocal motor) neuropathy, pandysautonomia, and MOGAD.
^{**}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. [‡]n IDs are all COVID-19. [‡]Symbols link to OpenVAERS reports.
^{*}VAERS disclaimer, underreporting, & data limitations (excerpts): “VAERS is designed to rapidly detect unusual or unexpected patterns of adverse events.” | “The inclusion of events in VAERS data does not infer causality.” | “Establishing causal relationships between vaccines & adverse events requires additional scientific investigation.” vaers.hhs.gov