

**FOI 23/428 Annex**

**Table 1:** Total number of direct UK spontaneous suspected adverse drug reaction (ADR) reports received from England and Wales for COVID-19 vaccines that report a fatal outcome by initial month received.

Month Received	COVID-19 Vaccine AstraZeneca	COVID-19 Vaccine - brand unspecified or not in routine use in the UK	COVID-19 Vaccine Moderna bivalent	COVID-19 Vaccine Moderna monovalent	COVID-19 Vaccine Pfizer/BioNTech bivalent	COVID-19 Vaccine Pfizer/BioNTech monovalent	COVID-19 Vaccine VidPrevtyn Beta
Dec-20				*		13	
Jan-21	79	*				102	
Feb-21	151	*				70	
Mar-21	178	*				70	
Apr-21	186	*				39	
May-21	96	*				28	
Jun-21	81	*				32	
Jul-21	46	*		*		23	
Aug-21	27	*		5		17	
Sep-21	30	*				26	
Oct-21	18	*				21	
Nov-21	17	*		*		36	
Dec-21	26	*		8		33	
Jan-22	24			8		29	
Feb-22	15			*		14	
Mar-22	9			*		14	
Apr-22	7	*		7		*	
May-22	5	*		6		17	
Jun-22	5			*		14	
Jul-22	*			*		*	
Aug-22	*	*		*		5	

Sep-22	5	*	5	*	*	5	
Oct-22	6	*	9	*	*	9	
Nov-22	5	6	7	*	*	5	
Dec-22	*	*	*	*	7	6	
Jan-23	*	*	5	*	*	5	
Feb-23					5	*	
Mar-23	6	*			*	*	
Apr-23	*	*	*		*	6	*
May-23	6				*	*	14
Jun-23	*	*	*	*	*	5	6
Jul-23	*		*		*	*	

*Please note that COVID-19 Vaccine Novavax has not been included in the table above as the MHRA have received no direct UK spontaneous suspected ADR reports from England and Wales for this vaccine that report a fatal outcome*

*\* Where there are less than 5 reports, numbers have been replaced with an asterisk in order to prevent patient/reporter identification in line with our duty of confidentiality to patients and reporters.*

**Table 2:** The total number of direct UK spontaneous suspected ADR reports received from England and Wales for COVID-19 vaccines that report a fatal outcome by patient age group.

Age Group	COVID-19 Vaccine AstraZeneca	COVID-19 Vaccine - brand unspecified or not in routine use in the UK	COVID-19 Vaccine Moderna bivalent	COVID-19 Vaccine Moderna monovalent	COVID-19 Vaccine Pfizer/BioNTech bivalent	COVID-19 Vaccine Pfizer/BioNTech monovalent	COVID-19 Vaccine VidPrevtyn Beta
0-29	22	*	*	*	*	19	
30-39	41			*	*	27	
40-49	71	*		5	*	24	
50-59	121	8	*	5	5	41	
60-69	170	7	*	7	5	66	
70-79	232	6	9	12	*	132	*
Over 80	270	15	16	18	8	260	16
Unknown	121	7	*	13	6	92	*

*Please note that COVID-19 Vaccine Novavax has not been included in the table above as the MHRA have received no direct UK spontaneous suspected ADR reports from England and Wales for this vaccine that report a fatal outcome*

*‘\*’ Where there are less than 5 reports, numbers have been replaced with an asterisk or age groups have been expanded in order to prevent patient/reporter identification in line with our duty of confidentiality to patients and reporters.*

**Table 3:** Total number of direct UK spontaneous suspected adverse drug reaction (ADR) reports received from England and Wales for COVID-19 vaccines by initial month received.

Month Received	COVID-19 Vaccine AstraZeneca	COVID-19 Vaccine - brand unspecified or not in routine use in the UK	COVID-19 Vaccine Moderna bivalent	COVID-19 Vaccine Moderna monovalent	COVID-19 Vaccine Novavax	COVID-19 Vaccine Pfizer/BioNTech bivalent	COVID-19 Vaccine Pfizer/BioNTech monovalent	COVID-19 Vaccine VidPrevtyn Beta
Dec-20				*			1899	
Jan-21	11026	40					15100	
Feb-21	38525	104		*			11140	
Mar-21	61059	110		5			9454	
Apr-21	33693	88	*	672			8227	
May-21	26743	101		2083			10259	
Jun-21	17759	117		4140			14531	
Jul-21	8089	74		3622			11961	
Aug-21	3243	37		2394			8945	
Sep-21	2839	42		1209			6271	
Oct-21	1616	58		376			6997	
Nov-21	1984	78	*	2585			9767	
Dec-21	2333	100		9723			13361	
Jan-22	1415	51		3481			7309	
Feb-22	633	35		794			2464	
Mar-22	408	30		424			1487	
Apr-22	302	34		1009			1127	
May-22	315	24		941			843	
Jun-22	217	18	*	494			505	
Jul-22	172	15		412			417	

Aug-22	151	10		239			375	
Sep-22	122	25	1167	787	*	45	268	
Oct-22	188	92	2265	715	8	1447	836	
Nov-22	148	74	502	168	6	1275	644	
Dec-22	211	48	175	119	*	427	354	
Jan-23	205	34	121	59	6	319	313	
Feb-23	131	33	50	26	8	139	132	
Mar-23	121	34	43	22	*	115	94	
Apr-23	138	40	57	33	*	109	123	243
May-23	129	36	64	19		250	165	418
Jun-23	67	30	39	22	*	168	100	106
Jul-23	43	14	16	11		74	44	26

*\*\* Where there are less than 5 reports, numbers have been replaced with an asterisk or age groups have been expanded in order to prevent patient/reporter identification in line with our duty of confidentiality to patients and reporters.*

**Table 4:** The total number of direct UK spontaneous suspected ADR reports received from England and Wales for COVID-19 vaccines by patient age group.

Age Group	COVID-19 Vaccine AstraZeneca	COVID-19 Vaccine - brand unspecified or not in routine use in the UK	COVID-19 Vaccine Moderna bivalent	COVID-19 Vaccine Moderna monovalent	COVID-19 Vaccine Novavax	COVID-19 Vaccine Pfizer/BioNTech bivalent	COVID-19 Vaccine Pfizer/BioNTech monovalent	COVID-19 Vaccine VidPrevtyn Beta
0-29	18123	138	164	6523	*	197	29231	*
30-39	26600	150	304	8641	*	362	34015	
40-49	47040	194	383	6822	*	427	20302	*
50-59	47081	291	725	4003	9	1172	16707	*
60-69	32122	265	1087	2481	8	942	11060	7
70-79	16396	226	956	1752	5	556	8219	391
Over 80	2574	130	301	695	*	183	4479	332
Unknown	24089	232	582	5669	6	529	21499	57

*\*\* Where there are less than 5 reports, numbers have been replaced with an asterisk or age groups have been expanded in order to prevent patient/reporter identification in line with our duty of confidentiality to patients and reporters.*

**Table 5:** Total number of direct UK spontaneous suspected adverse drug reaction (ADR) reports received from England and Wales for COVID-19 vaccines broken down by seriousness.

<b>COVID-19 Vaccine</b>	<b>Number of ADR reports</b>	<b>Number of ADR reports with a fatal outcome</b>	<b>Number of serious ADR reports</b>	<b>Number of non-serious ADR reports</b>
COVID-19 Vaccine AstraZeneca	214025	1048	168174	45851
COVID-19 Vaccine - brand unspecified or not in routine use in the UK	1626	47	1285	341
COVID-19 Vaccine Moderna bivalent	4502	32	3373	1129
COVID-19 Vaccine Moderna monovalent	36586	65	26560	10026
COVID-19 Vaccine Novavax	37	0	27	10
COVID-19 Vaccine Pfizer/BioNTech bivalent	4368	31	3402	966
COVID-19 Vaccine Pfizer/BioNTech monovalent	145512	661	104662	40850
COVID-19 Vaccine VidPrevtyn Beta	793	22	516	277