

CDC's Expiry List and Biologically Active Lots

By Craig Paardekooper

Introduction

The CDC publishes a list showing all of their manufactured lots together with the expiry dates. A full list is published in the appendix.

I hypothesised that the expiry list was a list of the biologically active lots because -

1. only biologically active lots are dangerous once expired ; saline does expire, but over a much longer period, and poses minimal risk (some even argue that saline doesn't expire)
2. only biologically active lots would have been manufactured by Pfizer, Moderna etc; the services of a very costly pharmaceutical would not be needed to manufacture inert saline.

Based upon these two reasons, I surmised that the expiry list was a definitive list of the biologically active lots.

So my aim in this study was to look at the VAERS database in order to identify the lots having the strongest biological effects, and to see if these lots corresponded to those on the CDC expiry list.

My hypothesis was that there would be a strong correspondence.

Method

I used the VAERS database for the USA only, and for the year 2021. I counted the number of adverse reaction reports, deaths, disabilities and life threatening illnesses associated with each Pfizer lot code, then ordered the lots by highest number of adverse reactions.

Results

Here is a close up of Pfizer's EK Series.

BATCH	ADR	DEATH	DISABILITY	L THREAT
EK9231	3535	49	56	39
Ek5730	2570	23	36	22
EK4176	1066	24	11	18
EKS730	29		3	
EK9321	20			
EK9213	14			
EK3750	11			
EK5370	11			
EK923	10			
EK5703	7		1	
EK9241	7			
EK5127	6			
EK8734	6		1	
EK8737	6		1	1
EK921	6			
EK1768	5			
EK3246	5			
EK3248	5			
EK41765	5	5		
EK570	5			
EK8727	5			1
EK8729	5			
EK8730	5			
Ek8732	5			
EK9261	5			
EK9281	5			
EK3249	4			
EK3730	4			
EK8231	4			1
EK8733	4			
EK9232	4			
EK931	4			
EK0142	3			
EK3247	3		1	
EK41276	3			
Ek4167	3			
ek5130	3			
EK7530	3			
EK8731	3			
FK9237	3			

The biologically active lots appear to be EK9231, EK5730, and EK4176

CDC's expiry list, lists only 4 EK lots -

EK4176

EK4244

EK5730

EK9231

It is a close fit

Here is a close up of Pfizer's EL Series

BATCH	ADR	DEATH	DISABILITY	L THREAT
EL3247	2665	33	35	24
EL1284	2524	37	40	30
EL1283	2385	52	45	48
EL3246	2301	40	44	21
EL3249	2107	73	34	23
EL3248	2036	82	38	26
EL9262	2023	31	45	40
EL8982	2001	66	45	30
EL9261	1879	90	33	31
EL0142	1688	33	19	29
EL3302	1542	53	30	30
EL9269	1508	75	34	45
EL9264	1501	45	28	19
EL0140	1288	57	23	24
EL9265	1230	53	27	29
EL9266	1204	29	27	17
EL9267	1162	43	22	20
EL9263	706	18	16	15
ELO140	117	1	2	1
EL9268	94	1		
ELO142	92		4	2
ELI283	33		1	3
EL9231	23	1	1	
ELI284	21	2		1
EL1686	20	1		
EL1685	19		1	
eI5318	19	1	1	2
EL3426	14		1	
EL1248	13			
ELI284	12			
EL3429	11			1
EL926	11			
EL3245	10	1		1
EL6201	10		1	
EL1285	9			
EL3240	9			
EL6200	9		1	1
ELD261	9	2		
EL1042	8	2		
EL1238	8			
EL1282	8			
EL3242	8		1	1
EL3284	8			
EL3428	8	1		
EL6198	8		1	
Elt9899	8		1	
EL	7			
EL0104	7			
EL0410	7			
EL4176	7			1
EL6202	7	1	1	1
EL8983	7			
EL9246	7			
EL9625	7			
EL0412	6	1		
EL3264	6			
EL8952	6		1	1
EL9621	6		1	
EL9623	6			
EL9627	6			
EL9629	6			
EL9810	6			

The biologically active lots appear to be –

EL0140
EL0142
EL1283
EL1284
EL3246
EL3247
EL3248
EL3249
EL3302
EL8982
EL9261
EL9262
EL9263
EL9264
EL9265
EL9266
EL9267
EL9269

CDC's Expiry List, lists only these EL Lots

EL0140
EL0142
EL0725
EL1283
EL1284
EL3246
EL3247
EL3248
EL3249
EL3302
EL8982
EL9261
EL9262
EL9263
EL9264
EL9265
EL9266
EL9267
EL9269

This is an exact match

Here is a close up of Pfizer's EN Series.

BATCH	ADR	DEATH	DISABILITY	L THREAT
EN6201	2804	110	66	53
EN6205	2782	45	65	51
EN5318	2781	87	57	53
EN6208	2648	56	52	50
EN6207	2525	44	73	50
EN6200	2454	81	54	51
EN6202	2394	74	55	54
EN6198	2348	70	58	55
EN6206	2348	36	53	43
EN6199	2227	52	50	53
EN6203	2181	45	47	40
EN6204	2134	43	50	57
EN9581	728	37	19	23
EN6955	37		3	
Ens318	35	1	2	4
EN8727	25		1	
ENG206	25		1	1
En0150	24			1
EN2613	23		1	
EN8730	23		1	1
EN8733	23		1	1
ENG199	21	1	1	
ENG201	21		1	
ENG202	20			
EN7534	19		1	2
EN9809	18			
EN0151	17	1		
ENG208	17		1	1
EN6209	15			
ENG198	15			
ENG205	15		2	
ENG6201	15			
EN3518	14			
ENG6199	14		2	
EN9810	13	1		
Eng204	13			
EN6021	12			
ENG200	12			
EN0153	11		1	

The biologically active lots appear to be –

EN5318
EN6198
EN6199
EN6200
EN6201
EN6202
EN6203
EN6204
EN6205
EN6206
EN6207
EN6208
EN9581

The CDC's Expiry list, lists only these EN lots –

EN5318
EN6198
EN6199
EN6200
EN6201
EN6202
EN6203
EN6204
EN6205
EN6206
EN6207
EN6208
EN9581

This is an exact match

Here is a close up of Pfizer's ER Series

BATCH	ADR	DEATH	DISABILITY	L THREAT
ER2613	3299	35	56	53
ER8733	2680	13	63	45
er8732	2652	39	51	55
ER8729	2288	10	46	37
ER8727	2274	33	49	47
ER8730	2103	28	45	38
ER8734	2044	18	38	43
ER8737	2032	15	56	41
ER8735	1944	22	37	28
ER8731	1708	21	40	43
ER8736	1555	7	41	36
ER7533	21	1		
ER8739	21	1		
ER8728	17		3	2
ER8738	15		1	
ER8713	11			1
ER873	11			
Er9231	11			
ER2614	9			
ER5730	9			
Er6213	9			
ER8130	9			
ER8132	9			
ER8723	9			
ER0151	8	1		
ER6955	8			
ER0734	7		2	
ER9729	7			
ER9731	7			1
ER	6			
ER4176	6			
ER6207	6			
ER8131	6			
er8724	6			1
ER8743	6			
ER8763	6			
ERZ613	6			
ER1742	5	1	1	1
ER26B	5			
ER3782	5			

The biologically active lots appear to be –

ER2613
ER8727
ER8729
ER8730
ER8731
er8732
ER8733
ER8734
ER8735
ER8736
ER8737

The CDC's Expiry list, lists only these ER lots –

ER2613
ER8727
ER8729
ER8730
ER8731
ER8732
ER8733
ER8734
ER8735
ER8736
ER8737

This is an exact match

Here is a close up of Pfizer's EW Series

BATCH	ADR	DEATH	DISABILITY	L THREAT
EW0150	2419	20	49	35
EW0151	2328	16	41	35
EW0172	2126	17	36	30
EW0162	1930	16	37	25
EW0173	1885	7	27	19
ew0153	1857	11	40	28
EW0179	1850	5	30	24
EW0164	1833	17	24	23
Ew0158	1832	13	35	32
EW0171	1775	20	34	35
EW0169	1716	19	30	23
EW0161	1652	12	23	29
EW0177	1559	9	15	21
EW0187	1510	8	12	21
EW0176	1501	10	35	16
EW0180	1483	6	14	17
EW0170	1480	8	38	19
EW0185	1473	3	24	20
ew0167	1471	12	35	33
EW0175	1455	10	24	17
ew0191	1440	9	24	17
EW0196	1440	4	24	10
EW0186	1392	11	24	16
ew0182	1384	7	35	26
EW0181	1374	6	22	14
EW0217	1335	8	29	20
EW0178	1322	4	21	19
EW0183	1313	5	16	18
EW0168	1285	11	25	20
EW0198	1250	1	19	12
EW0165	290	3	8	9
ew0202	273	3	8	7
EW0810	117			
EW0183H	22			
ew1058	22			
Ew5318	20	1	1	
Ew1050	19			
EW0185H	17			
EW0189	17		1	
EW0175H	16			
EW1053	16			
Ew017	15			1
EW1075	15			
EW0127	14		1	
EW0193	14		1	1
EW1077	14			
EW0186H	13			
EW6208	13		1	
EW0160	12		1	1
ew1067	12			
EW0107	11			
EW0157	11			
EW1076	11			

The biologically active lots appear to be –

EW0150
EW0151
ew0153
Ew0158
EW0161
EW0162
EW0164
EW0165
ew0167
EW0168
EW0169
EW0170
EW0171
EW0172
EW0173
EW0175
EW0176
EW0177
EW0178
EW0179
EW0180
EW0181
ew0182
EW0183
EW0185
EW0186
EW0187
ew0191
EW0196
EW0198
ew0202
EW0217

The CDC's Expiry list, lists only these EW lots –

EW0150
EW0151
EW0153
EW0158
EW0161
EW0162
EW0164
EW0165
EW0167
EW0168
EW0169
EW0170
EW0171
EW0172
EW0173
EW0175
EW0176
EW0177
EW0178
EW0179
EW0180
EW0181
EW0182
EW0183
EW0185
EW0186
EW0187
EW0191
EW0196
EW0198
EW0201
EW0202
EW0203
EW0207
EW0217
EW0221
EW1072

match on all but 5 lots

Conclusion

The Expiry List identifies biologically active lots – those likely to produce the vast majority of biological adverse effects, deaths and disabilities.

The correlation between those lots producing high numbers of adverse effects, and the expiry list, is almost perfect.

Practical Implications

This list only applies to USA vaccines before 2nd September 2021 – when the CDC list was last updated.

- If your vaccine is NOT on this list, then the probability is that your vaccine was not biologically active – and there is less chance you will suffer severe side effects.
- If your vaccine is on this list, then the probability is that your vaccine was biologically active – and you may have severe side-effects.

What to do if you have taken a Biologically Active Vaccine

Even if bad side effects do not manifest, you should take precautions to protect yourself from them.

The vaccines cause your cells to produce the spike protein, and it is this spike protein that causes most of the damage. You can reduce the action of the spike protein using drugs that bind to the spike protein – blocking its effects - such as Ivermectin.

You can also help reduce the micro-clotting caused by the spike protein by taking a baby aspirin. Aspirin is a powerful anti-clotting agent.

Support for Vaccine Injury and Prevention

- [World Council for Health](#)
- [Americas Frontline Doctors](#)
- [Covid 19 Critical Care](#)

These doctors can provide ongoing guidance and protocols for helping alleviate the effects of vaccine injury. They can help you.

Please also take a look at <https://www.howbad.info/recovery.html>

Appendix

CDC's Expiry List

Last updated 2nd September 2021

USA only

Manufacturer	NDC11 Unit of Sale: This NDC goes in NYSIIS Inventory	NDC11 Unit of Use: This NDC will be on the vial	Lot Number	Manufacture Date	Expiration Date	Date Last Updated
Moderna	80777-0273-98	80777-0273-15	939599	27/03/2021	27/10/2021	02/06/2021
Moderna	80777-0273-98	80777-0273-15	939600	02/04/2021	02/11/2021	02/06/2021
Moderna	80777-0273-98	80777-0273-15	939676	07/04/2021	07/11/2021	02/06/2021
Moderna	80777-0273-98	80777-0273-15	939888	03/05/2021	03/12/2021	02/06/2021
Moderna	80777-0273-98	80777-0273-15	939889	05/05/2021	05/12/2021	02/06/2021
Moderna	80777-0273-98	80777-0273-15	939890	06/05/2021	06/12/2021	02/06/2021
Moderna	80777-0273-98	80777-0273-15	939891	16/05/2021	16/12/2021	11/06/2021
Moderna	80777-0273-98	80777-0273-15	939892	18/05/2021	18/12/2021	29/06/2021
Moderna	80777-0273-98	80777-0273-15	939893	19/05/2021	19/12/2021	28/06/2021
Moderna	80777-0273-98	80777-0273-15	939894	25/05/2021	25/12/2021	23/06/2021
Moderna	80777-0273-98	80777-0273-15	939895	30/05/2021	30/12/2021	30/06/2021
Moderna	80777-0273-98	80777-0273-15	939896	02/06/2021	02/01/2022	30/06/2021
Moderna	80777-0273-98	80777-0273-15	939899	10/06/2021	10/01/2022	27/07/2021
Moderna	80777-0273-98	80777-0273-15	939900	12/06/2021	12/01/2022	13/07/2021
Moderna	80777-0273-98	80777-0273-15	939901	15/06/2021	15/01/2022	02/08/2021
Moderna	80777-0273-98	80777-0273-15	939902	17/06/2021	17/01/2022	22/07/2021
Moderna	80777-0273-98	80777-0273-15	939903	18/06/2021	18/01/2022	10/08/2021
Moderna	80777-0273-98	80777-0273-15	939904	24/06/2021	24/01/2022	30/07/2021
Moderna	80777-0273-98	80777-0273-15	939905	25/06/2021	25/01/2022	30/07/2021
Moderna	80777-0273-98	80777-0273-15	939906	28/06/2021	28/01/2022	09/08/2021
Moderna	80777-0273-98	80777-0273-15	939908	01/07/2021	01/02/2022	19/08/2021
Moderna	80777-0273-98	80777-0273-15	939909	08/07/2021	08/02/2022	19/08/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	1802068	19/11/2020	23/08/2021	30/07/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	1802070	10/11/2020	23/08/2021	30/07/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	1802072	10/11/2020	23/08/2021	30/07/2021

Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	1805018	03/12/2020	23/08/2021	30/07/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	1805020	15/12/2020	23/08/2021	30/07/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	1805022	20/12/2020	23/08/2021	30/07/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	1805025	06/01/2021	23/08/2021	30/07/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	1805029	13/01/2021	23/08/2021	30/07/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	1805031	19/01/2021	24/08/2021	30/07/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	1808609	26/01/2021	07/09/2021	30/07/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	1808978	28/01/2021	11/09/2021	30/07/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	1808980	02/02/2021	18/09/2021	30/07/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	1808982	04/02/2021	21/09/2021	30/07/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	1808986	19/02/2021	02/10/2021	30/07/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	1816022	17/02/2021	29/09/2021	30/07/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	1816024	17/02/2021	29/09/2021	30/07/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	1816027	17/02/2021	29/09/2021	30/07/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	1820095	25/02/2021	02/10/2021	30/07/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	1820096	26/02/2021	21/10/2021	30/07/2021

Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	1821281	05/03/2021	21/10/2021	30/07/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	1821282	08/03/2021	21/10/2021	30/07/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	1821286	16/03/2021	21/10/2021	30/07/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	1821287	18/03/2021	30/10/2021	30/07/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	1821288	23/03/2021	30/10/2021	30/07/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	1822786	01/04/2021	06/02/2022	12/08/2021
Moderna	80777-0273-99	80777-0273-10	001A21A	09/01/2021	09/08/2021	24/05/2021
Moderna	80777-0273-99	80777-0273-10	001B21A	06/02/2021	06/09/2021	24/05/2021
Moderna	80777-0273-99	80777-0273-10	001C21A	13/03/2021	12/10/2021	24/05/2021
Moderna	80777-0273-98	80777-0273-15	001F21A	12/06/2021	12/01/2022	21/07/2021
Moderna	80777-0273-99	80777-0273-10	002A21A	11/01/2021	11/08/2021	24/05/2021
Moderna	80777-0273-99	80777-0273-10	002B21A	07/02/2021	07/09/2021	24/05/2021
Moderna	80777-0273-99	80777-0273-10	002C21A	14/03/2021	14/10/2021	24/05/2021
Moderna	80777-0273-98	80777-0273-15	002F21A	14/06/2021	14/01/2022	21/07/2021
Moderna	80777-0273-99	80777-0273-10	003A21A	13/01/2021	14/08/2021	24/05/2021
Moderna	80777-0273-99	80777-0273-10	003B21A	09/02/2021	09/09/2021	24/05/2021
Moderna	80777-0273-99	80777-0273-10	003C21A	17/03/2021	17/10/2021	24/05/2021
Moderna	80777-0273-98	80777-0273-15	003F21A	15/06/2021	15/01/2022	21/07/2021
Moderna	80777-0273-99	80777-0273-10	004C21A	19/03/2021	19/10/2021	24/05/2021
Moderna	80777-0273-99	80777-0273-10	004D21A	18/04/2021	18/11/2021	24/05/2021
Moderna	80777-0273-98	80777-0273-15	004F21A	17/06/2021	17/01/2022	03/08/2021
Moderna	80777-0273-99	80777-0273-10	004M20A	09/12/2020	10/07/2021	24/05/2021
Moderna	80777-0273-99	80777-0273-10	005C21A	22/03/2021	22/10/2021	24/05/2021
Moderna	80777-0273-99	80777-0273-10	005D21A	20/04/2021	20/11/2021	24/05/2021
Moderna	80777-0273-99	80777-0273-10	006B21A	06/02/2021	06/09/2021	24/05/2021

Moderna	80777-0273-99	80777-0273-10	006C21A	10/03/2021	10/10/2021	24/05/2021
Moderna	80777-0273-99	80777-0273-10	006D21A	21/04/2021	21/11/2021	24/05/2021
Moderna	80777-0273-99	80777-0273-10	006M20A	12/12/2020	12/07/2021	24/05/2021
Moderna	80777-0273-99	80777-0273-10	007B21A	08/02/2021	08/09/2021	24/05/2021
Moderna	80777-0273-99	80777-0273-10	007C21A	12/03/2021	12/10/2021	24/05/2021
Moderna	80777-0273-99	80777-0273-10	007D21A	22/04/2021	22/11/2021	24/05/2021
Moderna	80777-0273-99	80777-0273-10	007M20A	14/12/2020	14/07/2021	24/05/2021
Moderna	80777-0273-99	80777-0273-10	008B21-2A	10/02/2021	10/09/2021	24/05/2021
Moderna	80777-0273-99	80777-0273-10	008B21A	10/02/2021	10/09/2021	24/05/2021
Moderna	80777-0273-99	80777-0273-10	008C21A	13/03/2021	13/10/2021	24/05/2021
Moderna	80777-0273-98	80777-0273-15	008D21A	01/05/2021	01/12/2021	02/06/2021
Moderna	80777-0273-99	80777-0273-10	009C21A	15/03/2021	15/10/2021	24/05/2021
Moderna	80777-0273-98	80777-0273-15	009D21A	19/04/2021	19/11/2021	24/05/2021
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Moderna	80777-0273-98	80777-0273-15	039D21A	01/05/2021	01/12/2021	24/05/2021
Moderna	80777-0273-98	80777-0273-15	039F21A	03/07/2021	03/02/2022	03/08/2021
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Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	041A21A	29/01/2021	19/09/2021	30/07/2021
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Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	042A21A	01/02/2021	19/09/2021	30/07/2021
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Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	043A21A	05/02/2021	19/09/2021	30/07/2021
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Moderna	80777-0273-98	80777-0273-15	044D21A	10/05/2021	10/12/2021	04/06/2021
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Moderna	80777-0273-98	80777-0273-15	053E21A	15/06/2021	15/01/2022	21/07/2021
Moderna	80777-0273-98	80777-0273-15	054C21A	13/04/2021	13/11/2021	24/05/2021
Moderna	80777-0273-98	80777-0273-15	054D21A	01/05/2021	01/12/2021	15/06/2021
Moderna	80777-0273-98	80777-0273-15	055D21A	05/05/2021	05/12/2021	18/06/2021
Moderna	80777-0273-98	80777-0273-15	055E21A	06/06/2021	06/01/2022	16/07/2021
Moderna	80777-0273-98	80777-0273-15	056D21A	07/05/2021	07/12/2021	15/06/2021
Moderna	80777-0273-98	80777-0273-15	057D21A	09/05/2021	09/12/2021	18/06/2021
Moderna	80777-0273-98	80777-0273-15	057E21A	09/06/2021	09/01/2022	27/07/2021
Moderna	80777-0273-99	80777-0273-10	057G20A	30/07/2020	28/02/2021	24/05/2021
Moderna	80777-0273-98	80777-0273-15	058D21A	11/05/2021	11/09/2021	30/06/2021
Moderna	80777-0273-98	80777-0273-15	058E21A	10/06/2021	10/01/2022	12/08/2021
Moderna	80777-0273-98	80777-0273-15	058F21A	05/07/2021	05/02/2022	19/08/2021
Moderna	80777-0273-98	80777-0273-15	059D21A	12/05/2021	12/12/2021	18/06/2021
Moderna	80777-0273-98	80777-0273-15	059E21A	11/06/2021	11/01/2022	02/07/2021
Moderna	80777-0273-98	80777-0273-15	060D21A	13/05/2021	13/12/2021	25/06/2021
Moderna	80777-0273-98	80777-0273-15	061E21A	17/06/2021	17/01/2022	10/08/2021
Moderna	80777-0273-98	80777-0273-15	062E21A	18/06/2021	18/01/2022	29/07/2021
Moderna	80777-0273-99	80777-0273-10	062G20A	06/08/2020	06/03/2021	24/05/2021
Moderna	80777-0273-98	80777-0273-15	063D21A	05/05/2021	05/12/2021	28/05/2021
Moderna	80777-0273-98	80777-0273-15	064D21A	07/05/2021	07/12/2021	07/06/2021

Moderna	80777-0273-98	80777-0273-15	065D21A	08/05/2021	08/12/2021	02/06/2021
Moderna	80777-0273-98	80777-0273-15	065F21A	04/07/2021	04/02/2022	20/08/2021
Moderna	80777-0273-98	80777-0273-15	066D21A	09/05/2021	09/12/2021	02/06/2021
Moderna	80777-0273-98	80777-0273-15	066F21A	03/07/2021	03/02/2022	17/08/2021
Moderna	80777-0273-98	80777-0273-15	067D21A	11/05/2021	11/12/2021	08/06/2021
Moderna	80777-0273-98	80777-0273-15	067F21A	06/07/2021	06/02/2022	11/08/2021
Moderna	80777-0273-98	80777-0273-15	068F21A	07/07/2021	07/02/2022	23/08/2021
Moderna	80777-0273-98	80777-0273-15	069F21A	07/07/2021	07/02/2022	20/08/2021
Moderna	80777-0273-98	80777-0273-15	071F21A	28/06/2021	28/01/2022	06/08/2021
Moderna	80777-0273-98	80777-0273-15	072F21A	29/06/2021	29/01/2022	19/08/2021
Moderna	80777-0273-99	80777-0273-10	075C21A	11/04/2021	11/11/2021	24/05/2021
Moderna	80777-0273-99	80777-0273-10	076C21A	13/04/2021	13/11/2021	24/05/2021
Moderna	80777-0273-99	80777-0273-10	077C21B	14/04/2021	14/11/2021	24/05/2021
Moderna	80777-0273-98	80777-0273-15	078C21A	15/04/2021	15/11/2021	24/05/2021
Moderna	80777-0273-98	80777-0273-15	079C21A	16/04/2021	16/11/2021	24/05/2021
Moderna	80777-0273-98	80777-0273-15	080C21A	18/04/2021	18/11/2021	24/05/2021
Moderna	80777-0273-98	80777-0273-15	083D21A	16/05/2021	16/12/2021	14/07/2021
Moderna	80777-0273-98	80777-0273-15	084D21A	18/05/2021	18/12/2021	30/06/2021
Moderna	80777-0273-98	80777-0273-15	084D21A-1	18/05/2021	18/12/2021	30/06/2021
Moderna	80777-0273-98	80777-0273-15	085D21A	19/05/2021	19/12/2021	29/06/2021
Moderna	80777-0273-98	80777-0273-15	086D21A	21/05/2021	21/12/2021	24/06/2021
Moderna	80777-0273-98	80777-0273-15	087D21A	23/05/2021	23/12/2021	25/06/2021
Moderna	80777-0273-98	80777-0273-15	088D21A	25/05/2021	25/12/2021	24/06/2021
Moderna	80777-0273-98	80777-0273-15	091D21A	12/05/2021	12/12/2021	07/06/2021
Moderna	80777-0273-98	80777-0273-15	092D21A	13/05/2021	13/12/2021	18/06/2021
Moderna	80777-0273-98	80777-0273-15	093D21A	14/05/2021	14/12/2021	18/06/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	201A21A	11/02/2021	21/09/2021	30/07/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	202A21A	14/02/2021	21/09/2021	30/07/2021

Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	203A21A	19/02/2021	21/09/2021	30/07/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	204A21A	22/02/2021	21/09/2021	30/07/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	204B21A	14/04/2021	11/12/2021	30/07/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	205A21A	26/02/2021	21/09/2021	30/07/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	206A21A	17/02/2021	21/09/2021	30/07/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	207A21A	28/02/2021	21/09/2021	30/07/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	208A21A	02/03/2021	25/09/2021	13/08/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	209A21A	04/03/2021	25/09/2021	13/08/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	210A21A	09/03/2021	25/09/2021	13/08/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	211A21A	11/03/2021	14/12/2021	30/07/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	212A21A	14/03/2021	21/12/2021	30/07/2021
Janssen Biotech, Inc.	59676-0580-15	59676-0580-05	213A21A	15/03/2021	21/12/2021	30/07/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	30125BA	10/06/2021	28/02/2022	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	30130BA	12/06/2021	28/02/2022	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	30135BA	14/06/2021	28/02/2022	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	30145BA	23/06/2021	28/02/2022	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	30155BA	02/07/2021	31/03/2022	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EH9899	10/10/2020	31/03/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EJ1685	14/10/2020	31/03/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EJ1686	15/10/2020	31/03/2021	07/04/2021

Pfizer Inc.	59267-1000-02	59267-1000-01	EK4176	24/10/2020	31/03/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EK4244	19/11/2020	30/04/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EK5730	25/10/2020	31/03/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EK9231	06/11/2020	30/04/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EL0140	05/11/2020	31/03/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EL0142	09/11/2020	31/03/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EL0725	10/11/2020	31/03/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EL1283	11/11/2020	30/04/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EL1284	19/11/2020	30/04/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EL3246	22/11/2020	30/04/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EL3247	07/12/2020	31/05/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EL3248	27/11/2020	30/04/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EL3249	04/12/2020	31/05/2021	03/06/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EL3302	09/12/2020	31/05/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EL8982	11/12/2020	31/05/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EL9261	13/12/2020	31/05/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EL9262	17/12/2020	31/05/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EL9263	19/12/2020	31/05/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EL9264	02/01/2021	31/05/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EL9265	24/12/2020	31/05/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EL9266	22/12/2020	31/05/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EL9267	31/12/2020	31/05/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EL9269	01/01/2021	31/05/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EM9809	04/01/2021	30/06/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EM9810	05/01/2021	30/06/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EN5318	21/12/2020	31/05/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EN6198	17/01/2021	30/06/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EN6199	22/01/2021	30/06/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EN6200	09/01/2021	30/06/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EN6201	13/01/2021	30/06/2021	07/04/2021

Pfizer Inc.	59267-1000-02	59267-1000-01	EN6202	24/01/2021	30/06/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EN6203	26/01/2021	30/06/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EN6204	29/01/2021	30/06/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EN6205	31/01/2021	30/06/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EN6206	02/02/2021	30/06/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EN6207	06/02/2021	31/07/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EN6208	05/02/2021	30/06/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EN9581	19/12/2020	31/05/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EP6955	03/02/2021	30/06/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EP7533	08/02/2021	31/07/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EP7534	08/02/2021	31/07/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	ER2613	10/02/2021	31/07/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	ER8727	12/02/2021	31/07/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	ER8729	15/02/2021	31/07/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	ER8730	16/02/2021	31/07/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	ER8731	18/02/2021	31/07/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	ER8732	18/02/2021	31/07/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	ER8733	20/02/2021	31/07/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	ER8734	23/02/2021	31/07/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	ER8735	21/02/2021	31/07/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	ER8736	25/02/2021	31/07/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	ER8737	23/02/2021	31/07/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0150	27/02/2021	31/07/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0151	25/02/2021	31/07/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0153	03/03/2021	31/07/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0158	05/03/2021	31/07/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0161	05/03/2021	31/07/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0162	07/03/2021	31/07/2021	07/04/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0164	07/03/2021	30/11/2021	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0165	08/03/2021	30/11/2021	27/08/2021

Pfizer Inc.	59267-1000-02	59267-1000-01	EW0167	10/03/2021	30/11/2021	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0168	12/03/2021	30/11/2021	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0169	12/03/2021	30/11/2021	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0170	15/03/2021	30/11/2021	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0171	15/03/2021	30/11/2021	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0172	16/03/2021	30/11/2021	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0173	20/03/2021	30/11/2021	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0175	18/03/2021	30/11/2021	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0176	20/03/2021	30/11/2021	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0177	22/03/2021	30/11/2021	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0178	22/03/2021	30/11/2021	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0179	24/03/2021	30/11/2021	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0180	26/03/2021	30/11/2021	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0181	28/03/2021	30/11/2021	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0182	28/03/2021	30/11/2021	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0183	30/03/2021	30/11/2021	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0185	30/03/2021	30/11/2021	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0186	02/04/2021	30/11/2021	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0187	02/04/2021	30/11/2021	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0191	04/04/2021	31/12/2021	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0196	09/04/2021	31/12/2021	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0198	09/04/2021	31/12/2021	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0201	12/04/2021	30/09/2021	03/06/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0202	15/04/2021	31/12/2021	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0203	15/04/2021	30/09/2021	03/06/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0207	20/04/2021	30/09/2021	03/06/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0217	27/04/2021	31/12/2021	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW0221	27/04/2021	30/09/2021	03/06/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EW1072	16/03/2021	31/08/2021	24/05/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EY0581	06/06/2021	28/02/2022	27/08/2021

Pfizer Inc.	59267-1000-02	59267-1000-01	EY0582	08/06/2021	28/02/2022	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	EY0584	19/05/2021	31/01/2022	27/08/2021
Pfizer Inc.	59267-1000-03	59267-1000-01	FA6780	22/04/2021	31/12/2021	27/08/2021
Pfizer Inc.	59267-1000-03	59267-1000-01	FA7483	29/04/2021	31/12/2021	27/08/2021
Pfizer Inc.	59267-1000-03	59267-1000-01	FA7484	01/05/2021	31/12/2021	27/08/2021
Pfizer Inc.	59267-1000-03	59267-1000-01	FA7485	06/05/2021	31/01/2022	27/08/2021
Pfizer Inc.	59267-1000-03	59267-1000-01	FC3180	13/05/2021	31/01/2022	27/08/2021
Pfizer Inc.	59267-1000-03	59267-1000-01	FC3181	29/05/2021	31/01/2022	27/08/2021
Pfizer Inc.	59267-1000-03	59267-1000-01	FC3182	18/05/2021	31/01/2022	27/08/2021
Pfizer Inc.	59267-1000-03	59267-1000-01	FC3183	20/05/2021	31/01/2022	27/08/2021
Pfizer Inc.	59267-1000-03	59267-1000-01	FC3184	24/05/2021	31/01/2022	27/08/2021
Pfizer Inc.	59267-1000-03	59267-1000-01	FD0809	27/05/2021	31/01/2022	27/08/2021
Pfizer Inc.	59267-1000-03	59267-1000-01	FD0810	03/06/2021	28/02/2022	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	FD7210	20/06/2021	30/11/2021	09/08/2021
Pfizer Inc.	59267-1000-03	59267-1000-01	FD7220	23/06/2021	30/11/2021	06/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	FD7220	23/06/2021	28/02/2022	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	FD7222	18/06/2021	30/11/2021	09/08/2021
Pfizer Inc.	59267-1000-03	59267-1000-01	FD8448	15/05/2021	31/01/2022	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	FE3590	25/06/2021	28/02/2022	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	FE3592	30/06/2021	28/02/2022	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	FF2587	02/07/2021	31/03/2022	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	FF2588	04/07/2021	31/03/2022	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	FF2589	09/07/2021	31/03/2022	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	FF2590	06/07/2021	31/03/2022	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	FF2591	25/06/2021	30/11/2021	09/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	FF2593	06/07/2021	31/03/2022	27/08/2021
Pfizer Inc.	59267-1000-02	59267-1000-01	FF8841	23/07/2021	31/03/2022	27/08/2021