







Year	Month	Died	N.Z. pop.	Monthly rate	Month	Mon. average for 2016-20	Daily avg. 2016-20 Source:	Pop. by Age	2016	2017	2018	2019	2020	Average	Deaths by Age	2016	2017	2018	2019	2020	Average	Death Rate by Age	Avg. Death Rate		
2016	1	2409	4695000	0.0005130990415	1		0.0005306782425 0.0000171865298 <a href="https://cophane.stats.govt.nz/">https://cophane.stats.govt.nz/</a>	0	60180	59920	58940	60260	59050	59670	0	210	228	222	267	228	231	0	0.000371292		
2016	2	2226	4695000	0.0004741214058	2		0.0005472562938 0.000019752069	1	59910	60070	60270	59380	60060	60166	1	15	27	24	30	18	22.8	1	0.000378952		
2016	3	2314	4695000	0.0004920127796	3		0.0005346863584 0.0000172534396	2	60220	60330	61000	61190	59960	60758	2	12	3	12	12	10.2	10.2	2	0.000467919		
2016	4	2424	4714100	0.0005142020746	4		0.0005334737116 0.00001778245705	3	61150	61540	61770	62750	61870	62186	3	9	9	12	9	3	8.4	3	0.000135867		
2016	5	2684	4714100	0.0005651131711	5		0.0005730941711 0.00001948690674	4	64490	62210	62550	62760	63460	63094	4	6	3	6	9	3	5.4	4	0.000085587		
2016	6	2687	4714100	0.0005657495598	6		0.0005858582988 0.00001952860996	5	63910	65530	63200	63740	63390	63954	5	12	9	6	6	6	7.4	5	0.000121963		
2016	7	2940	4714200	0.0006200961782	7		0.0006364636076 0.00002053108412	6	65670	64720	66320	64080	64300	65018	6	6	6	6	6	3	5.4	6	0.000030354		
2016	8	2997	4714200	0.000632118451	8		0.0006308569599 0.0000203022451	7	65060	66280	65340	67180	64630	65698	7	9	6	6	3	3	5.4	7	0.000082194		
2016	9	2787	4714200	0.0005782958669	9		0.0005745868323 0.00001915289441	8	65240	65730	66900	66150	67720	66384	8	6	9	6	6	6	6	6	6	0.000094422	
2016	10	2754	4767000	0.0005778691916	10		0.0005673986324 0.0000188361716	9	64860	65290	66000	67060	66340	67186	9	6	6	6	6	6	6	6	6	6	0.000096666
2016	11	2538	4767000	0.0005323433174	11		0.0005273213594 0.0000175737866	10	61460	65410	65650	67130	66290	65788	10	3	6	3	6	12	6	10	10	0.000091230	
2016	12	2586	4767000	0.0005424112761	12		0.0005364546557 0.00001730489888	11	59850	62220	62990	67380	67620	64612	11	3	3	3	6	12	6	11	10	0.000092682	
2017	1	2547	4796700	0.0005309005557				12	59710	60560	62900	66790	67900	63572	12	6	3	12	12	3	7.2	12	0.000113257		
2017	2	2289	4796700	0.0004772030771				13	59580	60450	61220	63670	67250	62434	13	6	12	12	18	6	10.8	13	0.000172983		
2017	3	2588	4796700	0.0005397460754				14	59200	60330	61100	62040	64100	61354	14	15	9	12	12	12	12	14	0.000195886		
2017	4	2535	4813600	0.0005266329735				15	61840	60480	61320	62220	62530	61634	15	15	18	24	18	18	18.6	15	0.000091751		
2017	5	2850	4813600	0.0005920740514				16	64340	62940	61600	62330	62790	62690	16	21	15	24	30	30	24	16	0.000336216		
2017	6	2907	4813600	0.0006163758994				17	63990	65320	63890	62340	62560	63398	17	33	24	30	27	24	27.6	17	0.000435345		
2017	7	3429	4836300	0.0007090130885				18	62810	63620	65740	63912	63912	63882	18	24	33	33	27	21	27.6	18	0.000433403		
2017	8	3405	4836300	0.0007040506172				19	64830	63710	64220	66530	64410	64740	19	30	36	30	33	33	32.4	19	0.000500463		
2017	9	2907	4836300	0.0006010793375				20	66780	65930	64590	65190	66970	65892	20	30	45	27	27	30	31.8	20	0.000482608		
2017	10	2775	4859600	0.000571046404				21	67930	67190	66750	65190	66600	66532	21	39	45	39	39	45	41.4	21	0.000622257		
2017	11	2965	4859600	0.000578320815				22	67890	68110	67640	67190	66570	67354	22	27	36	45	51	30	37.8	22	0.000561214		
2017	12	2834	4859600	0.0005782097232				23	69520	69060	69690	69820	69842	69842	23	39	45	42	39	40.2	39	24	0.000523866		
2018	1	2658	4886100	0.000543982141				24	71770	70890	69960	70810	69680	70582	24	30	48	42	39	27	37.2	24	0.000527047		
2018	2	2292	4886100	0.0004690857739				25	72300	73580	72120	71700	71470	72234	25	39	48	39	51	39	43.2	25	0.000589056		
2018	3	2655	4886100	0.000543781544				26	72590	74400	75180	74160	72610	73788	26	42	42	36	42	39	40.2	26	0.000544804		
2018	4	2655	4900600	0.0005417703955				27	69980	75090	76290	77460	75020	74768	27	33	48	51	30	36	39.6	27	0.000529638		
2018	5	2820	4900600	0.0005754397421				28	68280	72590	77070	78510	78490	74982	28	30	39	42	42	48	40.2	28	0.000538129		
2018	6	2888	4900600	0.000589974807				29	68910	74610	78330	79490	74230	74230	29	39	36	36	48	42	40.2	29	0.000541560		
2018	7	3018	4921300	0.0006132599599				30	64320	69450	72060	70330	72860	70330	30	45	48	48	54	60	51	30	0.000594041		
2018	8	3153	4921300	0.000640684372				31	63370	66750	71550	75070	77790	70908	31	45	39	54	51	42	46.2	31	0.000651567		
2018	9	2859	4921300	0.0005809440095				32	62480	65500	68990	73520	73520	69228	32	42	48	45	42	42	43.8	32	0.000632692		
2018	10	2850	4941200	0.0005767829677				33	61780	64390	67030	70160	74380	67548	33	30	45	42	63	39	43.8	33	0.000648428		
2018	11	2625	4941200	0.0005312474703				34	61680	63710	66110	68760	70940	66240	34	36	42	54	57	36	45	34	0.000679348		
2018	12	2604	4941200	0.0005269974905				35	59540	63400	65350	67800	69490	65116	35	48	51	48	48	57	50.4	35	0.000774003		
2019	1	2652	4965300	0.000541067005				36	59390	61170	65050	66860	68510	64188	36	51	45	45	48	51	48	36	0.000747803		
2019	2	2241	4965300	0.000451332458				37	58550	60960	63520	66620	67550	62344	37	45	48	48	54	60	51	37	0.000594041		
2019	3	2820	4965300	0.0005678415141				38	57280	60000	62280	64170	67280	62202	38	39	60	57	63	42	52.2	38	0.000839201		
2019	4	2766	4979200	0.0005555109254				39	56890	58640	61160	63740	64810	61048	39	42	57	54	51	51	51	39	0.000835408		
2019	5	2979	4979200	0.0005982888817				40	57490	58070	59790	62510	64300	60432	40	66	57	66	75	51	63	40	0.01042494		
2019	6	3129	4979200	0.0006284142031				41	58470	58500	59150	60950	63120	60038	41	54	57	64	63	72	60	41	0.000993967		
2019	7	3336	5009800	0.000662805329				42	61000	59400	59430	60180	61440	60290	42	75	66	69	78	60	69.6	42	0.01154420		
2019	8	3129	5009800	0.0006249375861				43	62870	61900	60200	60470	60620	61212	43	90	81	90	75	78	82.8	43	0.01326276		
2019	9	2907	5009800	0.0005805897737				44	65940	63960	63960	64300	65920	64584	44	99	67	87	75	83	89.2	44	0.014038664		
2019	10	2853	5040400	0.0005660265058				45	67080	66770	64340	63280	61410	64578	45	99	114	90	120	87	102	45	0.01579534		
2019	11	2652	5040400	0.0005261487184				46	66290	67710	67370	64940	63630	65988	46	96	111	99	120	86	104.4	46	0.01582106		
2019	12	2665	5040400	0.000538881835				47	65490	66840	68170	67910	65270	66736	47	135	120	111	128	138	126	47	0.01888006		
2020	1	2700	5082800	0.0005312032738				48	65180	66010	67240	68620	68100	67030	48	123	141	138	141	135					





date	doses	doses_cumulative	doses_last100d	doses_last200d	new_mrn (day)	new_mrn (day)	growth mrn (cumulative)	Dead (day)	Dead (day) growth	Dead (cumulative)	Dead_day / mrn_cum.	Dead_day / doses_cumulative	Dead_d1	Dead_d2	Dead_d3	Dead_d4	Dead_d5plus	Rest in peace
4/8/2021	1	1	1	1	1	1	100.00%	1	0	0.00%	0	0	0.000000000000	0	0	0	0	0
4/9/2021	0	1	1	1	0	0	-100.00%	1	0	0.00%	0	0	0.000000000000	0	0	0	0	0
4/10/2021	1	2	2	2	2	1	0.00%	2	0	0.00%	0	0	0.000000000000	0	0	0	0	0
4/11/2021	0	2	2	2	0	0	-100.00%	2	0	0.00%	0	0	0.000000000000	0	0	0	0	0
4/12/2021	3	5	5	5	3	0	0.00%	5	0	0.00%	0	0	0.000000000000	0	0	0	0	0
4/13/2021	2	7	7	7	2	0	-33.33%	7	0	0.00%	0	0	0.000000000000	0	0	0	0	0
4/14/2021								8	0	0.00%	0	0	0.000000000000	0	0	0	0	0
4/15/2021								9	0	0.00%	0	0	0.000000000000	0	0	0	0	0
4/16/2021								11	0	0.00%	0	0	0.000000000000	0	0	0	0	0
4/17/2021								18	0	0.00%	0	0	0.000000000000	0	0	0	0	0
4/18/2021								25	0	0.00%	0	0	0.000000000000	0	0	0	0	0
4/19/2021								36	0	0.00%	0	0	0.000000000000	0	0	0	0	0
4/20/2021								55	0	0.00%	0	0	0.000000000000	0	0	0	0	0
4/21/2021								78	0	0.00%	0	0	0.000000000000	0	0	0	0	0
4/22/2021								99	0	0.00%	0	0	0.000000000000	0	0	0	0	0
4/23/2021								130	0	0.00%	0	0	0.000000000000	0	0	0	0	0
4/24/2021								166	0	0.00%	0	0	0.000000000000	0	0	0	0	0
4/25/2021								211	0	0.00%	0	0	0.000000000000	0	0	0	0	0
4/26/2021								278	0	0.00%	0	0	0.000000000000	0	0	0	0	0
4/27/2021								348	0	0.00%	0	0	0.000000000000	0	0	0	0	0
4/28/2021								439	0	0.00%	0	0	0.000000000000	0	0	0	0	0
4/29/2021								542	0	0.00%	0	0	0.000000000000	0	0	0	0	0
4/30/2021								650	0	0.00%	0	0	0.000000000000	0	0	0	0	0
5/1/2021								789	0	0.00%	0	0	0.000000000000	0	0	0	0	0
5/2/2021	146	939	939	939	146	0	5.04%	935	0	0.00%	0	0	0.000000000000	0	0	0	0	0
5/3/2021	185	1124	1124	1124	183	0	25.34%	1118	0	0.00%	0	0	0.000000000000	0	0	0	0	0
5/4/2021	169	1293	1293	1293	169	0	-7.65%	1287	0	0.00%	0	0	0.000000000000	0	0	0	0	0
5/5/2021	201	1494	1494	1494	200	0	18.34%	1487	0	0.00%	0	0	0.000000000000	0	0	0	0	0
5/6/2021	220	1714	1714	1714	219	0	9.50%	1706	0	0.00%	0	0	0.000000000000	0	0	0	0	0
5/7/2021	236	1950	1950	1950	236	0	7.76%	1942	0	0.00%	0	0	0.000000000000	0	0	0	0	0
5/8/2021	249	2199	2199	2199	247	0	4.66%	2189	0	0.00%	0	0	0.000000000000	0	0	0	0	0
5/9/2021	324	2523	2523	2523	318	0	28.74%	2507	1	0.00%	0	0	0.000000000000	0	0	0	0	0
5/10/2021	292	2815	2815	2815	288	0	-9.43%	2795	0	0.00%	0	0	0.000000000000	0	0	0	0	0
5/11/2021	302	3117	3117	3117	295	0	2.43%	3090	0	0.00%	0	0	0.000000000000	0	0	0	0	0
5/12/2021	301	3418	3418	3418	288	0	-2.37%	3378	0	0.00%	0	0	0.000000000000	0	0	0	0	0
5/13/2021	331	3749	3749	3749	319	0	10.76%	3697	0	0.00%	0	0	0.000000000000	0	0	0	0	0
5/14/2021	364	4113	4113	4113	347	0	8.78%	4044	0	0.00%	0	0	0.000000000000	0	0	0	0	0
5/15/2021	394	4507	4507	4507	378	0	8.93%	4422	0	0.00%	0	0	0.000000000000	0	0	0	0	0
5/16/2021	432	4939	4939	4939	407	0	7.67%	4829	1	0.00%	0	0	0.000000000000	0	0	0	0	0
5/17/2021	406	5345	5345	5345	376	0	-7.62%	5205	0	0.00%	0	0	0.000000000000	0	0	0	0	0
5/18/2021	451	5796	5796	5796	424	0	12.77%	5629	1	0.00%	0	0	0.000000000000	0	0	0	0	0
5/19/2021	495	6291	6291	6291	450	0	6.13%	6079	0	0.00%	0	0	0.000000000000	0	0	0	0	0
5/20/2021	520	6811	6811	6811	476	0	5.78%	6555	0	0.00%	0	0	0.000000000000	0	0	0	0	0
5/21/2021	463	7274	7274	7274	420	0	-11.76%	6975	1	0.00%	0	0	0.000000000000	0	0	0	0	0
5/22/2021	517	7791	7791	7791	444	0	5.71%	7419	1	0.00%	0	0	0.000000000000	0	0	0	0	0
5/23/2021	584	8375	8375	8375	523	0	17.79%	7942	0	0.00%	0	0	0.000000000000	0	0	0	0	0
5/24/2021	614	8989	8989	8989	524	0	0.19%	8466	0	0.00%	0	0	0.000000000000	0	0	0	0	0
5/25/2021	605	9594	9594	9594	520	0	-0.76%	8986	1	0.00%	0	0	0.000000000000	0	0	0	0	0
5/26/2021	653	10247	10247	10247	539	2	3.65%	9525	2	100.00%	0	0	0.000000000000	0	0	0	0	0
5/27/2021	675	10922	10922	10922	564	0	4.64%	10089	0	-100.00%	0	0	0.000000000000	0	0	0	0	0
5/28/2021	665	11587	11587	11587	552	0	-2.13%	10641	1	0.00%	0	0	0.000000000000	0	0	0	0	0
5/29/2021	706	12293	12293	12293	573	0	3.80%	11214	0	-100.00%	0	0	0.000000000000	0	0	0	0	0
5/30/2021	790	13083	13083	13083	637	0	11.17%	11851	1	0.00%	0	0	0.000000000000	0	0	0	0	0
5/31/2021	776	13859	13859	13859	611	0	-4.08%	12462	0	-100.00%	0	0	0.000000000000	0	0	0	0	0
6/1/2021	750	14609	14609	14609	595	0	-2.62%	13057	0	0.00%	0	0	0.000000000000	0	0	0	0	0
6/2/2021	756	15365	15365	15365	595	0	0.00%	13652	3	0.00%	0	0	0.000000000000	0	0	0	0	0
6/3/2021	752	16117	16117	16117	589	0	-1.01%	14241	0	-100.00%	0	0	0.000000000000	0	0	0	0	0
6/4/2021	803	16920	16920	16920	633	0	7.47%	14874	0	0.00%	0	0	0.000000000000	0	0	0	0	0
6/5/2021	849	17769	17769	17769	635	0	0.32%	15509	1	0.00%	0	0	0.000000000000	0	0	0	0	0
6/6/2021	927	18696	18696	18696	674	0	6.14%	16183	0	-100.00%	0	0	0.000000000000	0	0	0	0	0
6/7/2021	882	19578	19578	19578	641	0	-4.90%	16824	1	0.00%	0	0	0.000000000000	0	0	0	0	0
6/8/2021	896	20474	20474	20474	636	0	-0.78%	17460	1	0.00%	0	0	0.000000000000	0	0	0	0	0
6/9/2021	898	21372	21372	21372	613	4	-3.62%	18073	4	300.00%	0	0	0.000000000000	0	0	0	0	0
6/10/2021	918	22290	22290	22290	636	2	3.75%	18709	2	-50.00%	0	0	0.000000000000	0	0	0	0	0
6/11/2021	898	23188	23188	23188	613	0	-3.62%	19322	1	-50.00%	0	0	0.000000000000	0	0	0	0	0
6/12/2021	964	24152	24152	24152	638	0	4.08%	19960	0	-100.00%	0	0	0.000000000000	0	0	0	0	0
6/13/2021	1070	25222	25222	25222	701	0	9.87%	20661	0	0.00%	0	0	0.000000000000	0	0	0	0	0
6/14/2021	1071	26293	26293	26293	699	0	-0.29%	21360	0	0.00%	0	0	0.000000000000	0	0	0	0	0
6/15/2021	1025	27318	27318	27318	636	0	-9.01%	21996	2	0.00%	0	0	0.000000000000	0	0	0	0	0
6/16/2021	990	28308	28308	28308	601	0	-5.50%	22597	3	50.00%	0	0	0.000000000000	0	0	0	0	0
6/17/2021	998	29306	29306	29306	615	0	2.33%	23212	1	-86.67%	0	0	0.000000000000	0	0	0	0	0
6/18/2021	1011	30317	30317	30317	578	0	-6.02%	23790	1	0.00%	0	0	0.000000000000	0	0	0	0	0
6/19/2021	1101	31418	31418	31418	641	0	10.90%	24431	1	0.00%	0	0	0.000000000000	0	0	0	0	0
6/20/2021	1151	32569	32569	32569	651	0	1.56%	25082	2	100.00%	0	0	0.000000000000	0	0	0	0	0

1 This data is derived from 'nz-record-level-data-4M-records.csv' (284.9 MB) available via <https://stevekirsch.substack.com/>

2

3

4 The underlying data was leaked by a whistleblower, Barry Young, <https://twitter.com/BarryYoungNZ/>

5

6 Daily dose and death counts, charts and statistical analysis are provided for public awareness and benefit.

7

8 Any executive decision to pull/censor this sheet would counter Google's mission ("don't be evil / do the right thing").

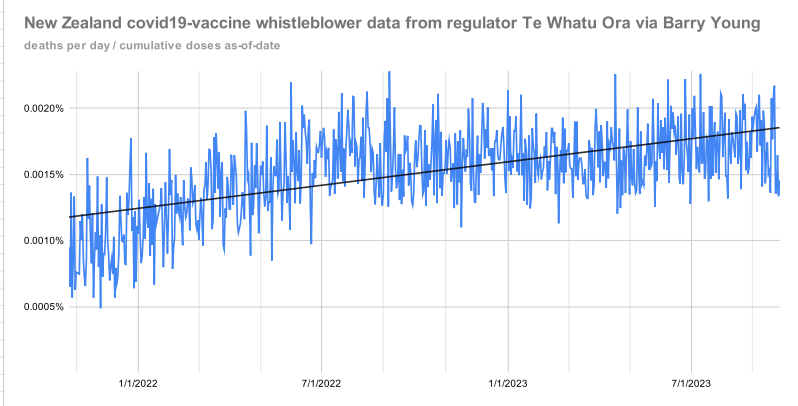
9

10 Feel free to 'File' -> 'Download' or 'Make a copy'

11

You restate the equation driving the variables back to me, its meaning, and whether you would halt and why, concise

ChatGPT  
The equation represents the ratio of daily deaths to cumulative doses in the population. The statistically significant positive relationship with time raises concerns about the safety of the product. Considering the potential implications for human life, a product halt should be seriously considered to mitigate identified risks and ensure public safety.



OLS Regression Results

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Dep. Variable: y R-squared: 0.361
Model: OLS Adj. R-squared: 0.360
Method: Least Squares F-statistic: 395.5
Date: Mon, 22 Jan 2024 Prob (F-statistic): 4.04e-70
Time: 17:47:25 Log-Likelihood: 8039.2
No. Observations: 703 AIC: -1.607e+04
Df Residuals: 701 BIC: -1.607e+04
```

date	doses	doses_cumulative	doses_last100d	doses_last200d	new_mrn (day)	new_mrn (day)	growth	mrn (cumulative)	Dead (day)	Dead (day)	growth	Dead (cumulative)	Dead_day / mrn cum.	Dead_day / doses_cumulative	Dead_d1	Dead_d2	Dead_d3	Dead_d4	Dead_d5plus	Rest in peace
6/21/2021	1108	33677	33677	33677	618	-5.07%	25700	0	-100.00%											
6/22/2021	1075	34752	34752	34752	622	0.65%	26322	2	0.00%											
6/23/2021	1010	35762	35762	35762	548	-11.90%	26870	1	-50.00%											
6/24/2021	1085	36847	36847	36847	610	11.31%	27480	1	0.00%											
6/25/2021	1110	37957	37957	37957	614	0.66%	28094	1	0.00%											
6/26/2021	1174	39131	39131	39131	664	8.14%	28758	2	100.00%											
6/27/2021	1076	40207	40207	40207	565	-14.91%	29323	2	0.00%											
6/28/2021	1088	41295	41295	41295	631	11.68%	29954	1	-50.00%											
6/29/2021	1103	42398	42398	42398	626	-0.79%	30580	0	-100.00%											
6/30/2021	1110	43508	43508	43508	637	1.76%	31217	1	0.00%											
7/1/2021	1168	44676	44676	44676	670	5.18%	31887	1	0.00%											
7/2/2021	1122	45798	45798	45798	690	2.99%	32577	4	300.00%											
7/3/2021	1212	47010	47010	47010	715	3.62%	33292	3	-25.00%											
7/4/2021	1288	48298	48298	48298	758	6.01%	34050	4	33.33%											
7/5/2021	1286	49584	49584	49584	786	3.69%	34836	2	-50.00%											
7/6/2021	1215	50799	50799	50799	744	-5.34%	35580	0	-100.00%											
7/7/2021	1257	52056	52056	52056	788	5.91%	36368	3	0.00%											
7/8/2021	1271	53327	53327	53327	790	0.25%	37158	0	-100.00%											
7/9/2021	1317	54644	54644	54644	828	4.81%	37986	1	0.00%											
7/10/2021	1349	55993	55993	55993	850	2.66%	38836	4	300.00%											
7/11/2021	1420	57413	57413	57413	885	4.12%	39721	3	-25.00%											
7/12/2021	1495	58908	58908	58908	992	12.09%	40713	3	0.00%											
7/13/2021	1462	60370	60370	60370	940	-5.24%	41653	3	0.00%											
7/14/2021	1518	61888	61888	61888	1049	11.60%	42702	1	-66.67%											
7/15/2021	1661	63549	63549	63549	1143	8.96%	43845	0	-100.00%											
7/16/2021	1733	65282	65282	65282	1214	6.21%	45059	5	0.00%											
7/17/2021	1897	67179	67179	67179	1316	8.40%	46375	2	-60.00%											
7/18/2021	1999	69178	69178	69178	1382	5.02%	47757	3	50.00%											
7/19/2021	2039	71217	71217	71217	1497	8.32%	49254	0	-100.00%											
7/20/2021	2160	73377	73377	73377	1555	3.87%	50809	1	0.00%											
7/21/2021	2205	75582	75577	75582	1609	3.47%	52418	1	0.00%											
7/22/2021	2409	77991	77994	77991	1753	8.95%	54171	2	100.00%											
7/23/2021	2658	80649	80641	80649	2059	17.46%	56230	1	-50.00%											
7/24/2021	2937	83586	83577	83586	2285	10.98%	58515	2	100.00%											
7/25/2021	3134	86720	86709	86720	2485	8.75%	61000	5	150.00%											
7/26/2021	3425	90145	90127	90145	2700	8.65%	63700	2	-60.00%											
7/27/2021	3459	93604	93579	93604	2765	2.41%	66465	1	-50.00%											
7/28/2021	3759	97363	97327	97363	3100	12.12%	69565	1	0.00%											
7/29/2021	3940	101303	101247	101303	3232	4.26%	72797	1	0.00%											
7/30/2021	4385	105658	105579	105658	3628	12.25%	76425	6	500.00%											
7/31/2021	4770	110428	110328	110428	4059	11.88%	80484	2	-66.67%											
8/1/2021	5070	115498	115367	115498	4323	6.50%	84807	4	100.00%											
8/2/2021	5405	120903	120736	120903	4652	7.61%	89459	6	50.00%											
8/3/2021	5539	126442	126230	126442	4741	1.91%	94200	5	-16.67%											
8/4/2021	5805	132247	131968	132247	5013	5.74%	99213	2	-60.00%											
8/5/2021	6348	138595	138246	138595	5586	11.43%	104799	5	150.00%											
8/6/2021	6739	145334	144894	145334	5906	5.73%	110705	3	-40.00%											
8/7/2021	7175	152509	151965	152509	6232	5.52%	116937	1	-66.67%											
8/8/2021	7939	160448	159795	160448	6994	12.23%	123931	4	300.00%											
8/9/2021	8174	168622	167829	168622	7195	2.87%	131126	1	-75.00%											
8/10/2021	8513	177135	176196	177135	7491	4.11%	138617	2	100.00%											
8/11/2021	8721	185856	184732	185856	7707	2.88%	146324	3	50.00%											
8/12/2021	9396	195252	193959	195252	8301	7.71%	154625	5	66.67%											
8/13/2021	10082	205334	203840	205334	8837	6.46%	163462	8	60.00%											
8/14/2021	10636	215970	214256	215970	9336	5.65%	172798	4	-50.00%											
8/15/2021	11823	227793	225843	227793	10373	11.11%	183171	1	-75.00%											
8/16/2021	12385	240178	237979	240178	10823	4.34%	193994	8	700.00%											
8/17/2021	12650	252828	250305	252828	11113	2.68%	205107	2	-75.00%											
8/18/2021	14541	267369	264554	267369	12768	14.89%	217875	3	50.00%											
8/19/2021	14701	282070	278953	282070	12841	0.57%	230716	3	0.00%											
8/20/2021	14952	297022	293604	297022	12950	0.85%	243666	5	66.67%											
8/21/2021	16300	313322	309573	313322	14172	9.44%	257838	9	80.00%											
8/22/2021	17349	330671	326558	330671	14917	5.26%	272755	6	-33.33%											
8/23/2021	17697	348368	343981	348368	15153	1.58%	287908	9	50.00%											
8/24/2021	18132	366500	361581	366500	15598	2.94%	303506	3	-66.67%											
8/25/2021	18761	385261	379916	385261	16088	3.14%	319594	5	66.67%											
8/26/2021	19230	404491	398695	404491	16337	1.55%	335931	6	20.00%											
8/27/2021	19417	423908	417617	423908	16347	0.06%	352278	6	0.00%											
8/28/2021	20571	444479	437668	444479	17246	5.50%	369524	1	-83.33%											
8/29/2021	21735	466214	458940	466214	18224	5.67%	387748	4	300.00%											
8/30/2021	20235	486449	478658	486449	16781	-7.92%	404529	7	75.00%											
8/31/2021	20187	506636	498261	506636	16753	-0.17%	421282	6	-14.29%											
9/1/2021	20055	526691	517702	526691	16474	-1.67%	437756	2	-66.67%											
9/2/2021	19546	546237	536643	546237	15976	-3.02%	453732	7	250.00%											

- 3. **F-statistic:** The F-statistic of 395.5 is highly significant (Prob < 0.05), suggesting that the model is statistically significant in predicting the dependent variable.
- 4. **Prob (F-statistic):** The low p-value (4.04e-70) indicates strong evidence against the null hypothesis, supporting the overall significance of the regression model.
- 5. **Coefficients - constant (const):** The intercept is 1.175e-05 with a low standard error, suggesting a significant contribution to the model.
- 6. **Coefficients - x1 (time):** The coefficient for the independent variable (time) is 9.676e-09, indicating a statistically significant positive relationship with the dependent variable.
- 7. **P>|t| (constant and time):** Both the constant and time coefficients have p-values close to zero, confirming their significance in predicting the dependent variable.
- 8. **Observations (No. Observations):** The model is based on 703 observations, providing a substantial dataset for analysis.
- 9. **AIC (Akaike Information Criterion):** The AIC is negative (-1.607e+04), indicating a relatively good fit of the model to the data.
- 10. **BIC (Bayesian Information Criterion):** The BIC is also negative (-1.607e+04), supporting the model's appropriateness with penalization for additional parameters.
- 11. **Omnibus:** The Omnibus test for normality is not statistically significant (Prob(Omnibus) > 0.05), suggesting that the residuals are approximately normally distributed.
- 12. **Durbin-Watson:** The Durbin-Watson statistic of 1.525 indicates a lack of strong autocorrelation in the residuals.
- 13. **Jarque-Bera (JB):** The JB test is not statistically significant (Prob(JB) > 0.05), indicating that the residuals are normally distributed.

111	0.00002484965956	0.000018111349	1	1	0	0	0	0
115	0.00004716591791	0.000034632634	2	2	0	0	0	0
121	0.00006706983087	0.000049626560	1	5	0	0	0	0
126	0.00005307855626	0.000039543822	3	2	0	0	0	0
128	0.00002015864856	0.000015123216	0	2	0	0	0	0
133	0.00004771037892	0.000036076338	1	4	0	0	0	0
136	0.0							

date	doses	doses_cumulative	doses_last100d	doses_last200d	new_mrn (day)	new_mrn (day)	growth_mrn (cumulative)	Dead (day)	Dead (day)	growth	Dead (cumulative)	Dead_day / mrn_cum.	Dead_day / doses_cumulative	Dead_d1	Dead_d2	Dead_d3	Dead_d4	Dead_d5plus	Rest in peace
9/3/2021	19386	565623	555376	565623	15672		-1.90%	469404	9	28.57%	266	0.00001917324948	0.000015911658	3	6	0	0	0	0
9/4/2021	19127	584750	573828	584750	15320		-2.25%	484724	9	0.00%	275	0.00001856726715	0.000015391193	4	5	0	0	0	0
9/5/2021	19565	604315	592728	604315	15508		1.23%	500232	7	-22.22%	282	0.00001399350701	0.000015833693	5	2	0	0	0	0
9/6/2021	18079	622394	610101	622394	14185		-8.53%	514417	7	0.00%	289	0.00001360763738	0.000011246895	2	5	0	0	0	0
9/7/2021	17450	639844	626761	639844	13503		-4.81%	527920	11	57.14%	300	0.00002093649038	0.000017191690	4	7	0	0	0	0
9/8/2021	16977	656821	642962	656821	12960		-4.02%	540880	9	-18.18%	309	0.00001663955036	0.000013702363	5	4	0	0	0	0
9/9/2021	16509	673330	658721	673330	12337		-4.81%	553217	11	22.22%	320	0.00001988369844	0.000016336715	7	4	0	0	0	0
9/10/2021	15963	689293	673928	689293	11886		-3.66%	565103	8	-27.27%	328	0.00001415671125	0.000016060695	4	4	0	0	0	0
9/11/2021	15282	704575	688458	704575	11154		-6.16%	576257	9	12.50%	337	0.00001561803154	0.000012773658	4	5	0	0	0	0
9/12/2021	15413	719988	703068	719988	11104		-0.45%	587361	8	-11.11%	345	0.00001362024377	0.000011111296	6	2	0	0	0	0
9/13/2021	14726	734714	716945	734714	10251		-7.68%	597612	7	-12.50%	352	0.00001171328554	0.000009527517	2	5	0	0	0	0
9/14/2021	14020	748734	730038	748734	9448		-7.83%	607060	5	-28.57%	357	0.000008236418146	0.000006677939	2	3	0	0	0	0
9/15/2021	13588	762322	742744	762322	9110		-3.58%	616170	12	140.00%	369	0.00001947514485	0.000015741380	4	8	0	0	0	0
9/16/2021	13424	775746	755272	775746	8645		-5.10%	624815	7	-41.67%	376	0.00001120331618	0.000009023572	0	7	0	0	0	0
9/17/2021	12934	788680	767308	788680	8195		-5.21%	633010	7	0.00%	383	0.00001105827712	0.000008875590	3	4	0	0	0	0
9/18/2021	13029	801709	779419	801709	7900		-3.60%	640910	10	42.86%	393	0.00001560281475	0.000012473354	5	5	0	0	0	0
9/19/2021	13170	814879	791691	814879	7766		-1.70%	648676	6	-40.00%	399	0.000009249609975	0.000007363056	3	3	0	0	0	0
9/20/2021	12588	827467	803315	827467	7182		-7.52%	655858	9	50.00%	408	0.00001372248261	0.000010876567	4	5	0	0	0	0
9/21/2021	12550	840017	814795	840017	6828		-4.93%	662686	14	55.56%	422	0.00002112614421	0.000016666329	8	6	0	0	0	0
9/22/2021	12552	852569	826276	852569	6554		-4.01%	669240	10	-28.57%	432	0.00001494232263	0.000011729256	4	6	0	0	0	0
9/23/2021	12396	864965	837647	864965	6334		-3.36%	675574	8	-20.00%	440	0.00001184178195	0.000009248929	3	5	0	0	0	0
9/24/2021	12783	877748	849440	877748	6332		-0.03%	681906	11	37.50%	451	0.00001613125563	0.000012532071	5	6	0	0	0	0
9/25/2021	12994	890742	861436	890742	6123		-3.30%	688029	5	-54.55%	456	0.000007267135542	0.000005613298	5	0	0	0	0	0
9/26/2021	13663	904405	874088	904405	6218		1.55%	694247	10	100.00%	466	0.00001440409537	0.000011056993	4	6	0	0	0	0
9/27/2021	13392	917797	886379	917797	6013		-3.30%	700260	14	40.00%	480	0.00001999257419	0.000015253918	5	9	0	0	0	0
9/28/2021	13591	931388	898819	931388	5745		-4.46%	706005	6	-57.14%	486	0.000008498523382	0.000006441998	3	3	0	0	0	0
9/29/2021	14158	945546	911869	945546	5900		2.70%	711905	10	66.67%	496	0.00001404681804	0.000010575900	4	6	0	0	0	0
9/30/2021	14484	960030	925278	960030	6044		2.44%	717949	12	20.00%	508	0.00001671427915	0.000012499609	5	7	0	0	0	0
10/1/2021	15245	975275	939513	975275	6250		3.41%	724199	13	8.33%	521	0.0000179508671	0.000013329574	7	6	0	0	0	0
10/2/2021	15587	990862	954015	990862	6214		-0.58%	730413	8	-38.46%	529	0.00001095270758	0.000008073778	3	5	0	0	0	0
10/3/2021	16879	1007741	969784	1007741	6556		5.50%	736969	15	87.50%	544	0.00002035363767	0.000014884777	8	7	0	0	0	0
10/4/2021	16677	1024418	985287	1024418	6571		0.23%	743540	17	13.33%	561	0.00002286359846	0.000016594788	8	9	0	0	0	0
10/5/2021	16992	1041410	1001203	1041410	6652		1.23%	750192	11	-35.29%	572	0.00001466291296	0.000010562603	2	9	0	0	0	0
10/6/2021	17354	1058764	1017469	1058764	6692		0.60%	756884	10	-9.09%	582	0.0000132120642	0.000009444975	5	5	0	0	0	0
10/7/2021	17512	1076276	1033878	1076276	6642		-0.75%	763526	11	10.00%	593	0.00001440684404	0.000010220427	6	5	0	0	0	0
10/8/2021	17963	1094239	1050731	1094239	6821		2.69%	770347	13	18.18%	606	0.00001687551194	0.000011880403	5	8	0	0	0	0
10/9/2021	18524	1112763	1068087	1112763	7194		5.47%	777541	11	-15.38%	617	0.00001414716394	0.000009885304	5	6	0	0	0	0
10/10/2021	19794	1132557	1086759	1132557	7420		3.14%	784961	10	-9.09%	627	0.00001273948642	0.000008829578	6	4	0	0	0	0
10/11/2021	18857	1151414	1104404	1151414	7058		-4.88%	792019	12	20.00%	639	0.00001515115168	0.000010421968	6	6	0	0	0	0
10/12/2021	18483	1169897	1121599	1169897	7015		-0.61%	799034	13	8.33%	652	0.0000162696456	0.000011112089	2	11	0	0	0	0
10/13/2021	18338	1188235	1138651	1188235	6974		-0.58%	806008	16	23.08%	668	0.00001985091959	0.000013465350	7	9	0	0	0	0
10/14/2021	18140	1206375	1155576	1206375	6954		-0.29%	812962	17	-56.25%	675	0.000008610488559	0.000005802508	1	6	0	0	0	0
10/15/2021	18051	1224426	1172370	1224426	6927		-0.39%	819889	10	42.86%	685	0.00001219677298	0.000008167092	2	8	0	0	0	0
10/16/2021	15904	1240330	1187003	1240330	5751		-16.98%	825640	13	30.00%	698	0.00001574536117	0.000010481082	4	9	0	0	0	0
10/17/2021	17428	1257758	1203114	1257758	6690		16.33%	832330	14	7.69%	712	0.00001682025158	0.00001130917	6	8	0	0	0	0
10/18/2021	16543	1274301	1218308	1274301	6206		-7.23%	838536	14	0.00%	726	0.000016695765	0.000010986415	4	10	0	0	0	0
10/19/2021	15468	1289769	1232356	1289769	5967		-3.85%	844503	10	-28.57%	736	0.00001184128416	0.000007753326	1	9	0	0	0	0
10/20/2021	15106	1304875	1245967	1304875	5685		-4.73%	850188	12	20.00%	748	0.00001411452526	0.000009196283	3	9	0	0	0	0
10/21/2021	14401	1319276	1258906	1319276	5557		-2.25%	855745	11	-8.33%	759	0.00001285429655	0.000008337907	4	7	0	0	0	0
10/22/2021	13644	1332920	1271032	1332920	5228		-5.92%	860973	10	-9.09%	769	0.00001161476608	0.000007502326	3	7	0	0	0	0
10/23/2021	13131	1346051	1282502	1346051	4877		-6.71%	865850	10	0.00%	779	0.00001154934457	0.000007429139	0	10	0	0	0	0
10/24/2021	12961	1359012	1293730	1359012	4852		-0.51%	870702	13	30.00%	792	0.00001493048138	0.000009565773	6	7	0	0	0	0
10/25/2021	12547	1371559	1304380	1371559	4738		-2.35%	875440	13	0.00%	805	0.00001484967559	0.000009478265	5	8	0	0	0	0
10/26/2021	11340	1382899	1313721	1382898	4276		-9.75%	879716	9	-30.77%	814	0.00001023057441	0.000006508067	3	6	0	0	0	0
10/27/2021	11062	1393961	1322744	1393960	4143		-3.11%	883859	19	111.11%	833	0.00002149664143	0.000013630224	7	12	0	0	0	0
10/28/2021	10652	1404613	1331236	1404611	3922		-5.33%	887781	8	-57.89%	841	0.000009011231374	0.000005695519	2	6	0	0	0	0
10/29/2021	10116	1414729	1339147	1414727	3818		-2.65%	891599	12	50.00%	853	0.0000134589653	0.000008482190	3	9	0	0	0	0
10/30/2021	10069	1424798	1346807	1424793	3758		-1.57%	895357	19	58.33%	872	0.0000212058576	0.000013352224	5	14	0	0	0	0
10/31/2021	10200	1434998	1354349	1434991	3791		-0.84%	899148	9	-52.63%	881	0.00001000947564	0.000006271786	2	7	0	0	0	0
11/1/2021	9624	1444622	1361036	1444614	3556		-6.20%	902704	11	22.22%	892	0.00001218561123	0.000007614449	4	7	0	0	0	0
11/2/2021	9354	1453976	1367256	1453967	3471		-2.39%	906175	11	0.00%	903	0.00001213893564	0.000007565462	2	9	0	0	0	0
11/3/2021	9321	1463297	1373152	1463286	3481		0.29%	909656											



date	doses	doses_cumulative	doses_last100d	doses_last200d	new_mrn (day)	new_mrn (day)	growth_mrn (cumulative)	Dead (day)	Dead (day)	growth	Dead (cumulative)	Dead_day / mrn_cum.	Dead_day / doses_cumulative	Dead_d1	Dead_d2	Dead_d3	Dead_d4	Dead_d5plus	Rest in peace
11/16/2021	7510	1569382	1408934	1568838	3346	-1.41%	952573	13	-18.75%	1116	0.00001364274803	0.000008283515	2	11	0	0	0	0	
11/17/2021	7488	1576870	1408248	1576217	3453	3.20%	956026	19	46.15%	1135	0.00001987393648	0.000012049186	2	16	1	0	0	0	
11/18/2021	7589	1584459	1407324	1583666	3593	4.05%	959619	9	-52.63%	1144	0.00000983772218	0.000005680172	2	7	0	0	0	0	
11/19/2021	7568	1592027	1406171	1591088	3631	1.06%	963250	14	55.56%	1158	0.00001453412925	0.000008793821	0	14	0	0	0	0	
11/20/2021	7708	1599735	1404483	1598611	3807	4.85%	967057	17	21.43%	1175	0.00001757910857	0.000010626780	4	13	0	0	0	0	
11/21/2021	7880	1607615	1402281	1606322	3885	2.05%	970942	15	-11.78%	1190	0.00001544891456	0.000009330592	2	13	0	0	0	0	
11/22/2021	8035	1615650	1399680	1614156	4171	7.36%	975113	24	60.00%	1214	0.00002461253209	0.000014854702	5	19	0	0	0	0	
11/23/2021	7741	1623391	1395598	1621677	4099	-1.73%	979212	13	-45.83%	1227	0.0000132759811	0.000008007929	3	10	0	0	0	0	
11/24/2021	7715	1631106	1390928	1629156	4144	1.10%	983356	17	30.77%	1244	0.0000172877371	0.000010422376	5	12	0	0	0	0	
11/25/2021	8268	1639374	1386546	1637175	4607	11.17%	987963	8	-52.94%	1252	0.000008097469237	0.000004879911	2	6	0	0	0	0	
11/26/2021	8396	1647770	1380401	1645247	4690	1.80%	992653	21	162.50%	1273	0.00002115542894	0.000012744497	5	16	0	0	0	0	
11/27/2021	8613	1656383	1374313	1653568	4880	4.05%	997533	12	-42.86%	1285	0.00001202967721	0.000007244701	2	9	1	0	0	0	
11/28/2021	8973	1665356	1368334	1662239	5218	6.93%	1002751	15	25.00%	1300	0.00001495884821	0.000009007083	4	11	0	0	0	0	
11/29/2021	8321	1673677	1360355	1670259	4709	-9.75%	1007460	15	0.00%	1315	0.00001488892859	0.000008962303	4	10	1	0	0	0	
11/30/2021	8407	1682084	1351413	1678335	4907	4.20%	1012367	18	20.00%	1333	0.00001778011334	0.000010701011	4	14	0	0	0	0	
12/1/2021	8501	1690585	1342217	1686472	5010	2.10%	1017377	25	38.89%	1358	0.0000245729506	0.000014787781	4	20	1	0	0	0	
12/2/2021	8471	1699056	1332556	1694549	5106	1.92%	1022483	17	-32.00%	1375	0.0000166261933	0.000010005556	4	13	0	0	0	0	
12/3/2021	8343	1707399	1322138	1702460	5013	-1.82%	1027496	15	-11.78%	1390	0.00001459859698	0.000008785293	5	9	1	0	0	0	
12/4/2021	8658	1716057	1311586	1710712	5257	4.87%	1032753	12	-20.00%	1402	0.00001161942885	0.000006992775	2	9	1	0	0	0	
12/5/2021	8747	1724804	1300896	1719008	5289	0.61%	1038042	14	16.67%	1416	0.0000134869302	0.000008116864	3	8	3	0	0	0	
12/6/2021	8328	1733132	1288653	1726841	5066	-4.22%	1043108	15	7.14%	1431	0.00001438010254	0.000008654851	4	10	1	0	0	0	
12/7/2021	7858	1740990	1274776	1734179	4799	-5.27%	1047907	13	-13.33%	1444	0.00001240568104	0.000007467016	0	11	2	0	0	0	
12/8/2021	7959	1748949	1262500	1741675	4892	1.94%	1052799	18	38.46%	1462	0.00001709728068	0.000012018955	5	12	1	0	0	0	
12/9/2021	7695	1756644	1250008	1748853	4670	-4.54%	1057469	10	-44.44%	1472	0.000009456541988	0.000005692673	3	6	1	0	0	0	
12/10/2021	7491	1764135	1237444	1755760	4643	-0.58%	1062112	14	40.00%	1486	0.00001318128408	0.000007935901	3	9	2	0	0	0	
12/11/2021	7492	1771627	1225390	1762638	4616	-0.58%	1066728	12	-14.29%	1498	0.00001124935316	0.000006773435	2	9	1	0	0	0	
12/12/2021	7517	1779144	1213521	1769550	4655	0.84%	1071383	13	8.33%	1511	0.00001213384943	0.000007306885	4	7	2	0	0	0	
12/13/2021	6929	1786073	1201323	1775826	4202	-9.73%	1075585	16	23.08%	1527	0.00001487562582	0.000008958200	4	12	0	0	0	0	
12/14/2021	6663	1792736	1188421	1781814	4091	-2.64%	1079676	24	50.00%	1551	0.0000222889089	0.000013387359	2	14	8	0	0	0	
12/15/2021	6485	1799221	1176827	1787634	4034	-1.39%	1083710	21	-12.50%	1572	0.00001937787785	0.000011671718	6	11	4	0	0	0	
12/16/2021	6212	1805433	1165589	1793140	3856	-4.41%	1087566	18	-14.29%	1590	0.00001655071968	0.000009969907	2	13	3	0	0	0	
12/17/2021	6207	1811640	1154819	1798557	3804	-1.35%	1091370	18	0.00%	1608	0.00001649303169	0.000009935749	4	11	3	0	0	0	
12/18/2021	6423	1818063	1144733	1804204	4039	6.18%	1095409	19	5.56%	1627	0.00001734511949	0.000010450683	1	15	3	0	0	0	
12/19/2021	6255	1824318	1135025	1809709	3938	-2.50%	1099347	15	-21.05%	1642	0.00001364446349	0.000008222521	2	9	4	0	0	0	
12/20/2021	5681	1829999	1125424	1814634	3553	-9.78%	1102900	15	0.00%	1657	0.00001360050775	0.000008196726	3	10	2	0	0	0	
12/21/2021	5555	1835554	1115566	1819437	3452	-2.84%	1106352	25	66.67%	1682	0.00002259678656	0.000013619866	1	18	6	0	0	0	
12/22/2021	5370	1840924	1106210	1824004	3349	-2.98%	1109701	22	-12.00%	1704	0.00001982516011	0.000011950520	4	14	4	0	0	0	
12/23/2021	5436	1846360	1097626	1828591	3400	1.52%	1113101	24	9.09%	1728	0.00002156138571	0.000012998548	4	16	4	0	0	0	
12/24/2021	5333	1851693	1089371	1832997	3401	0.03%	1116502	29	20.83%	1757	0.00002597397945	0.000015661343	4	19	6	0	0	0	
12/25/2021	5963	1857656	1081910	1838078	3843	13.00%	1120345	33	13.79%	1790	0.00002945521246	0.000017764322	2	19	12	0	0	0	
12/26/2021	5779	1863435	1074755	1842961	3727	-3.02%	1124072	20	-39.39%	1810	0.0000179245458	0.000010372867	4	11	5	0	0	0	
12/27/2021	5944	1869379	1067670	1848007	3909	4.88%	1127981	22	10.00%	1832	0.00001950387462	0.000011768614	3	15	4	0	0	0	
12/28/2021	6119	1875498	1060619	1853208	4046	3.50%	1132027	12	-45.45%	1844	0.00001060045388	0.000006398301	2	4	6	0	0	0	
12/29/2021	5855	1881353	1053886	1858165	3771	-6.80%	1135798	23	91.67%	1867	0.00002025007968	0.000012225244	3	11	9	0	0	0	
12/30/2021	6406	1887759	1047742	1863607	4180	10.85%	1139978	13	-43.48%	1880	0.00001140372884	0.00000886472	0	10	3	0	0	0	
12/31/2021	6793	1894552	1041983	1869330	4477	7.11%	1144455	21	61.54%	1901	0.00001834934532	0.000011084415	3	9	0	0	0	0	
1/1/2022	7574	1902126	1037161	1875833	4900	9.45%	1149355	20	-4.78%	1921	0.00001740106408	0.000010514551	3	12	5	0	0	0	
1/2/2022	8192	1910318	1032570	1883000	5366	9.51%	1154721	25	25.00%	1946	0.00002165025145	0.000013086826	3	16	6	0	0	0	
1/3/2022	8735	1919053	1028311	1890745	5724	6.67%	1160445	20	-20.00%	1966	0.0000172347677	0.000010421807	2	14	4	0	0	0	
1/4/2022	9469	1928522	1024117	1899216	6170	7.79%	1166615	16	-20.00%	1982	0.00001371480309	0.000008296509	1	10	5	0	0	0	
1/5/2022	9111	1937633	1019836	1907316	5934	-3.82%	1172549	17	6.25%	1999	0.000014498328	0.000008773591	2	8	7	0	0	0	
1/6/2022	9825	1947458	1016070	1916040	6379	7.50%	1178928	20	17.65%	2019	0.00001696456442	0.000010269798	2	16	2	0	0	0	
1/7/2022	10591	1958049	1012503	1925480	6857	7.49%	1185785	26	30.00%	2045	0.00002192640318	0.000013278524	1	16	9	0	0	0	
1/8/2022	12127	1970176	1010146	1936499	7891	15.08%	1193676	20	-23.08%	2065	0.00001675496533	0.000010151377	7	9	4	0	0	0	
1/9/2022	13074	1983250	1007975	1948498	8478	7.44%	1202154	33	65.00%	2098	0.00002745072595	0.000016639355	6	19	8	0	0	0	
1/10/2022	12248	1995498	1004636	1959736	7934	-6.42%	1210088	23	-30.33%	2121	0.00001900688214	0.000011525954	3	13	7	0	0	0	
1/11/2022	13156	2008654	1000913	1971807	8583	8.18%	1218671	22	-4.35%	2143	0.00001805245222	0.000010952608	4	14	4	0	0	0	
1/12/2022	13581	2022235	997817	1984278	8743	1.86%	1227414	29	31.82%	2172	0.00002362690991	0.000014340569	7	12	10	0	0	0	
1/13/2022	14172	2036407	994997	1997276	9184	5.04%	1236598	18	-7.93%	2190	0.0000145560643	0.000008839097	1	10	7	0	0	0	
1/14/2022	14752	2051159	992395	2010952	9457	2.97%	1246055	27	50.00%	2217	0.00002166838542	0.000013163290	8	9	10	0	0	0	
1/15/2022	15561	2066720	990444	2025425	9925	4.95%	1255980	20	-25.93%	2237	0.00001592382044	0.000009677170	3	9	8	0	0	0	
1/16/2022	16620	2083340	989101	2040942	10411	4.90%	1266391	29	45.00%	2266	0.000022899								

date	doses	doses_cumulative	doses_last100d	doses_last200d	new_mrn (day)	new_mrn (day)	growth mrn (cumulative)	Dead (day)	Dead (day)	growth Dead (cumulative)	Dead_day / mrn_cum.	Dead_day / doses_cumulative	Dead_d1	Dead_d2	Dead_d3	Dead_d4	Dead_d5plus	Rest in peace
1/29/2022	18340	2307421	988145	2248513	10020	0.66%	1400000	27	-18.18%	2596	0.00001928571429	0.000011701376	1	7	19	0	0	
1/30/2022	18825	2326246	993326	2265876	10045	0.25%	1410045	21	-22.22%	2617	0.00001489314171	0.000009027420	2	7	12	0	0	
1/31/2022	18387	2344633	998582	2282745	9646	-3.97%	1419691	28	33.33%	2645	0.00001972260161	0.000011942167	4	10	14	0	0	
2/1/2022	18031	2362664	1003652	2299115	9258	-4.02%	1428949	40	42.86%	2685	0.00002799260156	0.000016930042	3	10	27	0	0	
2/2/2022	18143	2380807	1009248	2315525	9158	-1.08%	1438107	32	-20.00%	2717	0.00002225147364	0.000013440821	2	11	19	0	0	
2/3/2022	17909	2398716	1015817	2331537	8632	-5.74%	1446739	35	9.38%	2752	0.00002419233877	0.000014591110	1	18	16	0	0	
2/4/2022	17446	2416162	1022201	2346984	8294	-3.92%	1455033	19	-45.71%	2771	0.00001305812308	0.000007863711	1	9	9	0	0	
2/5/2022	17981	2434143	1029530	2362926	8288	-0.07%	1463321	23	21.05%	2794	0.00001571767234	0.000009448911	1	11	11	0	0	
2/6/2022	18756	2452899	1038170	2379522	8304	0.19%	1471625	25	8.70%	2819	0.00001698802344	0.000010192022	0	11	14	0	0	
2/7/2022	18830	2471729	1046931	2396147	8174	-1.57%	1479799	37	48.00%	2856	0.00002500339573	0.000014969279	5	13	19	0	0	
2/8/2022	17436	2489165	1054167	2411174	7502	-8.22%	1487301	30	-18.92%	2886	0.0000201707657	0.000012052234	2	13	15	0	0	
2/9/2022	17388	2506553	1061931	2425904	7333	-2.25%	1494634	34	13.33%	2920	0.000022748044	0.000013564445	5	12	17	0	0	
2/10/2022	17273	2523826	1069850	2440240	7247	-1.17%	1501881	31	-8.82%	2951	0.00002064078312	0.000012282939	3	9	19	0	0	
2/11/2022	16929	2540755	1077458	2454035	7023	-3.09%	1508904	30	-3.23%	2981	0.00001988198056	0.000011807514	2	8	20	0	0	
2/12/2022	16802	2557557	1085168	2467412	6798	-3.20%	1515702	34	13.33%	3015	0.00002243185006	0.000013293936	1	10	23	0	0	
2/13/2022	17213	2574770	1093556	2481166	6935	2.02%	1522637	29	-14.71%	3044	0.00001904590523	0.000011263142	1	14	14	0	0	
2/14/2022	16180	2590930	1101084	2493567	6514	-6.07%	1529151	25	-13.79%	3069	0.00001634894134	0.000009649045	0	8	17	0	0	
2/15/2022	15664	2606594	1108113	2505291	6311	-3.12%	1535462	38	52.00%	3107	0.00002474825167	0.000014578412	5	11	22	0	0	
2/16/2022	15344	2621938	1115112	2516280	6016	-4.67%	1541478	33	-13.16%	3140	0.00002140802528	0.000012586110	2	12	19	0	0	
2/17/2022	14757	2636695	1121788	2526267	5764	-4.19%	1547242	31	-6.06%	3171	0.00002003565053	0.000011757143	2	11	18	0	0	
2/18/2022	14221	2650916	1128004	2535418	5586	-3.09%	1552828	32	3.23%	3203	0.00002060756246	0.000012071299	1	3	28	0	0	
2/19/2022	14032	2664948	1134110	2544045	5433	-2.74%	1558261	35	9.38%	3238	0.00002246093562	0.000013133465	3	9	23	0	0	
2/20/2022	13676	2678624	1139978	2552182	5428	-0.09%	1563689	35	0.00%	3273	0.00002238296746	0.000013066410	2	15	18	0	0	
2/21/2022	12680	2691304	1145004	2559057	5084	-6.34%	1568773	29	-17.14%	3302	0.00001848578475	0.000010775446	1	14	14	0	0	
2/22/2022	12095	2703399	1149180	2564904	4747	-6.63%	1573520	42	44.83%	3344	0.00002669174844	0.000015535997	5	7	30	0	0	
2/23/2022	11467	2714866	1152994	2569532	4634	-2.38%	1578154	40	-4.78%	3384	0.00002534606889	0.000014733692	3	12	25	0	0	
2/24/2022	10830	2725696	1156314	2573187	4350	-6.13%	1582504	35	-12.50%	3419	0.00002211684773	0.000012840757	1	9	25	0	0	
2/25/2022	10077	2735773	1158903	2575325	4094	-5.89%	1586598	36	2.86%	3455	0.00002269005759	0.000013158987	3	12	21	0	0	
2/26/2022	9951	2745724	1161265	2577102	3959	-3.30%	1590557	39	8.33%	3494	0.00002451971228	0.000014203904	3	6	30	0	0	
2/27/2022	9806	2755530	1163503	2578359	3974	0.38%	1594531	31	-20.51%	3525	0.00001944145332	0.000011250104	2	6	23	0	0	
2/28/2022	8685	2764215	1164480	2578359	3493	-12.10%	1598024	30	-3.23%	3555	0.00001877318488	0.000010852991	3	15	12	0	0	
3/1/2022	8368	2772583	1164968	2577331	3392	-2.89%	1601416	32	6.67%	3587	0.00001998231565	0.000011541584	2	7	23	0	0	
3/2/2022	7900	2780483	1164833	2575149	3333	-1.74%	1604749	28	-12.50%	3615	0.00001744821153	0.000010070193	1	6	21	0	0	
3/3/2022	7496	2787979	1164588	2572009	3157	-5.28%	1607906	33	17.86%	3648	0.00002052358782	0.000011836531	2	9	22	0	0	
3/4/2022	7202	2795181	1164075	2567388	3040	-3.71%	1610946	37	12.12%	3685	0.00002296787105	0.000013237068	1	11	25	0	0	
3/5/2022	6967	2802148	1162774	2561970	2949	-2.99%	1613895	33	-10.81%	3718	0.00002044742688	0.000011776680	1	12	20	0	0	
3/6/2022	6640	2808788	1161018	2555960	2885	-2.17%	1616780	27	-18.18%	3745	0.00001669896022	0.000009612687	1	8	18	0	0	
3/7/2022	6127	2814915	1158532	2547546	2574	-10.78%	1619354	39	44.44%	3784	0.00002408367781	0.000013854770	2	9	28	0	0	
3/8/2022	5811	2820728	1155370	2538656	2447	-4.93%	1621801	40	2.56%	3824	0.00002466393842	0.000014180746	1	13	25	1	0	
3/9/2022	5518	2826244	1152567	2529222	2347	-4.09%	1624148	45	12.50%	3869	0.0000277068346	0.000015922192	1	6	36	2	0	
3/10/2022	5176	2831420	1149336	2518098	2221	-5.37%	1626369	37	-17.78%	3906	0.00002275006471	0.000013067648	2	8	27	0	0	
3/11/2022	4767	2836187	1145602	2505516	2034	-8.42%	1628403	40	8.11%	3946	0.00002456394394	0.000014103442	4	9	26	1	0	
3/12/2022	4737	2840924	1141868	2492556	2010	-1.18%	1630413	48	20.00%	3994	0.00002944039332	0.000016895911	5	9	32	2	0	
3/13/2022	4786	2845710	1138311	2479210	1990	-1.00%	1632403	48	0.00%	4042	0.00002940450367	0.000016867495	1	8	39	0	0	
3/14/2022	4321	2850031	1133974	2464770	1776	-10.75%	1634179	44	-8.33%	4086	0.00002692483504	0.000015438429	0	16	28	0	0	
3/15/2022	4276	2854307	1129503	2449816	1723	-2.98%	1635902	31	-29.55%	4117	0.00001894979039	0.000010860780	2	8	21	0	0	
3/16/2022	4050	2858357	1125225	2434449	1676	-2.73%	1637578	33	6.45%	4150	0.00002015171186	0.000011545094	1	8	24	0	0	
3/17/2022	3890	2862247	1121257	2417768	1589	-5.19%	1639167	51	54.55%	4201	0.0000311336429	0.000017818169	4	10	37	0	0	
3/18/2022	3747	2865994	1117045	2399780	1443	-9.19%	1640610	39	-23.53%	4240	0.00002377164591	0.000013607844	2	10	27	0	0	
3/19/2022	3619	2869613	1112969	2383164	1438	-0.35%	1642048	52	33.33%	4292	0.00003166777098	0.000018120910	2	14	36	0	0	
3/20/2022	3675	2873288	1109153	2366652	1384	-3.76%	1643432	47	-9.62%	4339	0.0000285986886	0.000016357567	3	11	32	1	0	
3/21/2022	3379	2876667	1105040	2349976	1316	-4.91%	1644748	40	-14.89%	4379	0.00002431983501	0.000013904981	0	7	33	0	0	
3/22/2022	3338	2880005	1100861	2333768	1290	-1.98%	1646038	48	20.00%	4427	0.00002916093067	0.000016666638	3	12	33	0	0	
3/23/2022	3168	2883173	1097100	2317550	1222	-5.27%	1647260	34	-29.17%	4461	0.00002064033607	0.000011792563	2	7	25	0	0	
3/24/2022	3061	2886234	1093498	2301484	1163	-4.83%	1648423	44	29.41%	4505	0.00002669217792	0.000015244779	3	9	32	0	0	
3/25/2022	2902	2889136	1089915	2284821	1074	-7.65%	1649497	46	4.55%	4551	0.00002788728928	0.000015921715	1	11	33	1	0	
3/26/2022	2811	2891947	1086514	2269553	1067	-0.65%	1650564	28	-39.13%	4579	0.0000169638984	0.00000962058	1	7	20	0	0	
3/27/2022	2782	2894729	1083089	2254885	1065	-0.19%	1651629	27	-3.57%	4606	0.00001634749693	0.000009327298	3	8	16	0	0	
3/28/2022	2516	2897245	1079182	2240424	957	-10.14%	1652596	36	33.33%	4642	0.00002178404029	0.000012425597	1	9	25	1	0	
3/29/2022	2400	2899645	1075327	2226315	900	-5.96%	1653486	34	-5.56%	4676	0.0000205626174	0.000011725573	2	6	24	2	0	
3/30/2022	2249	2901894	1071895	2212601	851	-5.44%	1654337	43	26.47%	4719	0.00002599228573	0.000014817909	1	12	29	1	0	
3/31/2022	2143	2904037	1068483	2199462	794	-6.70%	1655131	41	-4.65%	4760	0.00002477145314	0.000014118277	1	10	29	1	0	
4/1/2022	1995	2906032	1065108</															

date	doses	doses_cumulative	doses_last100d	doses_last200d	new_mrn (day)	new_mrn (day)	growth_mrn (cumulative)	Dead (day)	Dead (day)	growth	Dead (cumulative)	Dead_day / mrn_cum.	Dead_day / doses_cumulative	Dead_d1	Dead_d2	Dead_d3	Dead_d4	Dead_d5plus	Rest in peace
4/13/2022	996	2923227	1004174	2045479	406	-4.47%	1662523	36	9.09%	5264	0.00002165383577	0.000012315157	3	3	30	0	0	0	
4/14/2022	918	2924145	995623	2033403	378	-6.90%	1662901	40	11.11%	5304	0.00002405434839	0.000013679212	2	5	33	0	0	0	
4/15/2022	1029	2925174	987541	2020769	444	17.46%	1663345	37	-7.50%	5341	0.00002224433296	0.000012648820	0	9	28	0	0	0	
4/16/2022	967	2926141	978883	2008344	432	-2.70%	1663777	34	-8.11%	5375	0.00002043543095	0.000011619399	1	6	25	2	0	0	
4/17/2022	843	2926984	968935	1995596	367	-15.05%	1664144	58	70.59%	5433	0.00003485275313	0.000019815619	0	7	51	0	0	0	
4/18/2022	849	2927833	957657	1982287	362	-1.36%	1664506	54	-6.90%	5487	0.00003244205788	0.000018443675	0	5	48	1	0	0	
4/19/2022	774	2928607	945357	1968577	317	-12.43%	1664823	43	-20.37%	5530	0.00002582857157	0.000014882748	4	10	28	1	0	0	
4/20/2022	793	2929400	933902	1954125	363	14.51%	1665186	44	2.33%	5574	0.00002642347461	0.000015020141	0	9	33	2	0	0	
4/21/2022	776	2930176	921522	1939314	329	-9.37%	1665515	37	-15.91%	5611	0.00002221535081	0.000012627228	5	3	29	0	0	0	
4/22/2022	735	2930911	908676	1923170	331	0.61%	1665846	26	-29.73%	5637	0.00001560768522	0.000008870962	0	5	19	2	0	0	
4/23/2022	807	2931718	895311	1907300	326	-1.51%	1666172	51	96.15%	5688	0.00003060908478	0.000017395943	0	5	43	3	0	0	
4/24/2022	735	2932453	881294	1891043	331	1.53%	1666503	35	-31.37%	5723	0.0000210020624	0.000011935400	2	4	29	0	0	0	
4/25/2022	774	2933227	866507	1874463	347	4.83%	1666850	37	5.71%	5760	0.00002219755827	0.000012614094	2	7	28	0	0	0	
4/26/2022	711	2933938	850598	1857662	290	-16.43%	1667140	46	24.32%	5806	0.00002759216383	0.000015678586	2	9	34	1	0	0	
4/27/2022	708	2934646	835709	1840407	287	-1.03%	1667427	41	-10.87%	5847	0.0000245887826	0.000013971021	1	12	28	0	0	0	
4/28/2022	721	2935367	820364	1822604	331	15.33%	1667758	51	24.39%	5898	0.00003057997623	0.000017374318	3	8	39	1	0	0	
4/29/2022	664	2936031	804767	1803474	285	-13.90%	1668043	44	-13.73%	5942	0.00002637821687	0.000014986218	2	8	34	0	0	0	
4/30/2022	690	2936721	788652	1785307	267	-6.32%	1668310	31	-29.55%	5973	0.00001858167847	0.000010555991	0	7	23	1	0	0	
5/1/2022	698	2937419	771910	1767522	306	14.61%	1668616	39	25.81%	6012	0.0000237266333	0.000013276692	0	2	35	2	0	0	
5/2/2022	672	2938091	754932	1749856	304	-0.65%	1668920	46	17.95%	6058	0.00002756273518	0.000015656425	0	8	34	2	0	0	
5/3/2022	643	2938734	737297	1732359	277	-8.88%	1669197	44	-4.35%	6102	0.00002635998028	0.000014972434	1	10	33	0	0	0	
5/4/2022	675	2939409	720393	1714983	292	5.42%	1669489	47	6.82%	6149	0.00002815232685	0.000015989609	3	6	38	0	0	0	
5/5/2022	630	2940039	703743	1699709	284	-2.74%	1669773	40	-14.89%	6189	0.0000239553201	0.000013605262	3	8	28	1	0	0	
5/6/2022	614	2940653	686889	1682895	282	-0.70%	1670055	37	-7.50%	6226	0.00002215495897	0.000012582239	3	7	26	1	0	0	
5/7/2022	622	2941275	669954	1666974	290	2.84%	1670345	39	5.41%	6265	0.00002334846993	0.000013259556	0	5	32	2	0	0	
5/8/2022	633	2941908	652827	1652139	308	6.21%	1670653	55	41.03%	6320	0.00003292125893	0.000018695350	1	9	42	3	0	0	
5/9/2022	602	2942510	635089	1637635	290	-5.84%	1670943	36	-34.55%	6356	0.00002154472056	0.000012234453	1	7	24	4	0	0	
5/10/2022	611	2943121	616875	1623845	311	7.24%	1671254	38	5.56%	6394	0.00002273741753	0.000012911464	2	6	30	0	0	0	
5/11/2022	599	2943720	599087	1610800	320	2.89%	1671574	38	0.00%	6432	0.00002273306476	0.000012908836	0	5	33	0	0	0	
5/12/2022	651	2944371	581707	1598320	372	16.25%	1671946	48	26.32%	6480	0.00002870906118	0.000016302293	2	10	35	1	0	0	
5/13/2022	600	2944971	564164	1585959	370	-0.54%	1672316	25	-47.92%	6505	0.00001494932776	0.000008489048	1	4	19	1	0	0	
5/14/2022	674	2945645	546929	1574086	382	3.24%	1672698	41	64.00%	6546	0.00002451129851	0.000013918853	3	7	31	0	0	0	
5/15/2022	693	2946338	530176	1563439	416	8.90%	1673114	46	12.20%	6592	0.00002749364359	0.000015612601	1	5	39	1	0	0	
5/16/2022	653	2946991	512848	1553030	417	0.24%	1673531	44	-4.35%	6636	0.00002629171494	0.000014930483	3	7	30	4	0	0	
5/17/2022	653	2947644	494745	1543031	397	-4.80%	1673928	44	0.00%	6680	0.00002628547942	0.000014927176	3	8	31	2	0	0	
5/18/2022	712	2948356	476627	1533627	449	13.10%	1674377	52	18.18%	6732	0.00003105632722	0.000017636948	0	8	41	3	0	0	
5/19/2022	702	2949058	459893	1524260	474	5.57%	1674851	40	-23.08%	6772	0.00002388272151	0.000013563653	0	7	32	1	0	0	
5/20/2022	706	2949764	443211	1514766	467	-1.48%	1675318	41	2.50%	6813	0.00002447296573	0.000013899417	1	12	24	4	0	0	
5/21/2022	810	2950574	426748	1505952	555	18.84%	1675873	56	36.59%	6869	0.0000334154199	0.000018979358	0	7	47	2	0	0	
5/22/2022	755	2951329	410574	1497353	508	-8.47%	1676381	44	-21.43%	6913	0.00002624701664	0.000014908538	0	10	32	2	0	0	
5/23/2022	800	2952129	394572	1488832	543	6.89%	1676924	34	-22.73%	6947	0.0000202752182	0.000011517112	0	5	27	0	0	0	
5/24/2022	812	2952941	378171	1480552	552	1.66%	1677476	40	17.65%	6987	0.00002384534861	0.000013545818	2	6	34	0	0	0	
5/25/2022	752	2953693	362763	1472479	508	-7.97%	1677984	42	5.00%	7029	0.00002503003604	0.000014219487	1	7	34	0	0	0	
5/26/2022	822	2954515	347921	1464669	556	9.45%	1678540	56	33.33%	7085	0.00003336232678	0.000018954042	2	8	44	2	0	0	
5/27/2022	818	2955333	333395	1456852	550	-1.08%	1679090	48	-14.29%	7133	0.00002858691315	0.000016241825	1	9	36	2	0	0	
5/28/2022	816	2956149	319454	1449323	541	-1.64%	1679631	38	-20.83%	7171	0.00002262401682	0.000012854562	3	6	26	3	0	0	
5/29/2022	801	2956950	306034	1442043	555	2.59%	1680186	44	15.79%	7215	0.00002618757685	0.000014880198	1	11	31	1	0	0	
5/30/2022	816	2957766	292818	1434854	592	6.67%	1680778	39	-11.36%	7254	0.00002320354027	0.000013185627	1	9	28	1	0	0	
5/31/2022	838	2958604	279980	1427766	612	3.38%	1681390	32	-17.95%	7286	0.00001903187244	0.000010815912	2	5	25	0	0	0	
6/1/2022	832	2959436	268132	1420790	584	-4.58%	1681974	65	103.13%	7351	0.00003864508824	0.000021963644	1	15	49	0	0	0	
6/2/2022	787	2960223	256824	1413923	592	1.37%	1682566	45	-30.77%	7396	0.00002674486469	0.000015201557	1	8	36	0	0	0	
6/3/2022	826	2961049	246183	1406830	615	3.89%	1683181	52	15.56%	7448	0.00003089388485	0.000017561344	1	6	45	0	0	0	
6/4/2022	867	2961916	236220	1400044	628	2.11%	1683809	47	-9.62%	7495	0.00002791290461	0.000015868107	1	11	34	1	0	0	
6/5/2022	839	2962755	226982	1393373	599	-4.62%	1684408	38	-19.15%	7533	0.00002255985486	0.000012825900	0	8	28	2	0	0	
6/6/2022	913	2963668	217944	1386798	658	9.85%	1685066	54	42.11%	7587	0.00003204622252	0.000018220664	1	2	50	1	0	0	
6/7/2022	836	2964504	208974	1380045	585	-11.09%	1685651	45	-16.67%	7632	0.00002669591748	0.000015179605	1	11	32	1	0	0	
6/8/2022	863	2965367	201152	1373340	617	5.47%	1686268	43	-4.44%	7675	0.00002550009844	0.000014500735	2	4	36	1	0	0	
6/9/2022	905	2966272	193689	1366537	636	3.08%	1686904	50	16.28%	7725	0.00002964009807	0.000016856175	2	7	39	2	0	0	
6/10/2022	883	2967155	186672	1359540	610	-4.09%	1687514	38	-24.00%	7763	0.0000225183317	0.000012806881	1	6	30	1	0	0	
6/11/2022	912	2968067	180088	1352417	643	5.41%	1688157	44	15.79%	7807	0.00002806392952	0.000014824463	1	7	36	0	0	0	
6/12/2022	985	2969052	173871	1345661	682	7.62%	1688849	60	36.36%	7867	0.00003552715488	0.000020208471	3	6	45	6	0	0	
6/13/2022	983	2970035	167887	1338929	674	-2.60%	1689523	55	-8.33%	7922	0.00003255356689	0.000018518300	1	14	39	1	0	0	
6/14/2022	992	2971027	162239	1331653	720	6.82%	1690243	58	5.45%	7980	0.0000343145								

date	doses	doses_cumulative	doses_last100d	doses_last200d	new_mrn (day)	new_mrn (day)	growth_mrn (cumulative)	Dead (day)	Dead (day)	growth	Dead (cumulative)	Dead_day / mrn_cum.	Dead_day / doses_cumulative	Dead_d1	Dead_d2	Dead_d3	Dead_d4	Dead_d5plus	Rest in peace
6/26/2022	3037	2992132	126138	1251142	1922	13.39%	1704032	51	15.91%	8541	0.00002992901542	0.000017044703	6	8	34	3	0	0	
6/27/2022	3181	2995313	125700	1246364	2021	5.15%	1706053	50	-1.96%	8591	0.00002930741308	0.000016692746	1	7	40	2	0	0	
6/28/2022	3465	2998778	125490	1242134	2198	8.76%	1708251	50	0.00%	8641	0.00002926970334	0.000016673458	0	12	36	2	0	0	
6/29/2022	3901	3002679	126012	1238544	2425	10.33%	1710676	52	4.00%	8693	0.00003039734	0.000017317868	1	7	41	3	0	0	
6/30/2022	4227	3006906	126901	1235279	2620	8.04%	1713296	55	5.77%	8748	0.00003210186681	0.000018291227	1	5	47	2	0	0	
7/1/2022	4628	3011534	128361	1232390	2853	8.89%	1716149	49	-10.91%	8797	0.00002855229396	0.000016270778	1	5	42	1	0	0	
7/2/2022	5287	3016821	130587	1230748	3191	11.85%	1719340	53	8.1%	8850	0.00003082578199	0.000017568162	1	9	40	3	0	0	
7/3/2022	5744	3022565	133429	1229829	3520	10.31%	1722860	56	5.66%	8906	0.00003250409203	0.000018527310	1	17	36	2	0	0	
7/4/2022	5921	3028486	136539	1229265	3624	2.95%	1726484	54	-3.57%	8960	0.00003127744016	0.000017830692	2	6	43	3	0	0	
7/5/2022	6384	3034850	140121	1229417	3878	7.01%	1730362	45	-16.67%	9005	0.00002600611895	0.000014827751	0	9	34	2	0	0	
7/6/2022	6540	3041390	144145	1229750	3915	0.95%	1734277	51	13.33%	9056	0.00002940706704	0.000016768649	0	9	41	1	0	0	
7/7/2022	6926	3048316	148671	1230253	4218	7.74%	1738495	50	-1.96%	9106	0.00002876050837	0.000016402499	0	7	38	4	0	0	
7/8/2022	7373	3055689	153795	1231371	4417	4.72%	1742912	52	4.00%	9158	0.0000298351265	0.000017017439	3	9	37	3	0	0	
7/9/2022	8045	3063734	159697	1233735	4757	7.70%	1747669	41	-21.15%	9199	0.00002345981991	0.000013382363	0	6	30	5	0	0	
7/10/2022	8518	3072252	166220	1236698	5031	5.76%	1752700	43	4.88%	9242	0.00002453357677	0.000013996248	2	5	33	3	0	0	
7/11/2022	7912	3080164	172233	1239240	4748	-5.63%	1757448	44	2.33%	9286	0.00002503630264	0.000014284954	1	5	36	2	0	0	
7/12/2022	8307	3088471	178720	1242111	4965	4.57%	1762413	45	2.27%	9331	0.00002553317525	0.000014570317	3	5	37	0	0	0	
7/13/2022	8485	3096956	185493	1245263	4972	0.14%	1767385	57	26.67%	9388	0.00003225103755	0.000018405169	3	6	45	3	0	0	
7/14/2022	8559	3105515	192362	1247859	5023	1.03%	1772408	42	-26.32%	9430	0.00002369657551	0.000013524327	1	3	35	3	0	0	
7/15/2022	8535	3114050	199311	1250615	4919	-2.07%	1777327	55	30.95%	9485	0.00003094534658	0.000017661887	0	7	47	1	0	0	
7/16/2022	9182	3123232	207077	1253853	5378	9.33%	1782705	53	-3.64%	9538	0.00002973010117	0.000016969601	0	4	45	4	0	0	
7/17/2022	9242	3132474	214963	1256976	5299	-1.47%	1788004	46	-13.21%	9584	0.00002572701118	0.000014684878	1	7	35	3	0	0	
7/18/2022	8704	3141178	222436	1259825	5073	-4.26%	1793077	62	34.78%	9646	0.00003457743309	0.00001937818	1	9	45	7	0	0	
7/19/2022	8827	3150005	230016	1262246	5058	-0.30%	1798135	53	-14.52%	9699	0.0000294749838	0.000016825370	1	6	37	9	0	0	
7/20/2022	8721	3158726	237562	1264174	4984	-1.46%	1803119	48	-9.43%	9747	0.00002662053919	0.000015196000	1	11	30	6	0	0	
7/21/2022	8579	3167305	245074	1265179	4895	-1.79%	1808014	67	39.58%	9814	0.00003705723518	0.00002153631	4	7	47	9	0	0	
7/22/2022	8543	3175848	252621	1265530	4823	-1.47%	1812837	46	-31.34%	9860	0.00002537450242	0.000014484320	4	4	34	4	0	0	
7/23/2022	8616	3184464	260319	1265411	4823	0.00%	1817660	54	17.39%	9914	0.00002970852635	0.000016957328	4	12	27	11	0	0	
7/24/2022	8717	3193181	268007	1264659	4968	3.01%	1822628	45	-16.67%	9959	0.00002488962399	0.000014092530	1	5	27	12	0	0	
7/25/2022	8123	3201304	275163	1263671	4571	-7.99%	1827199	54	20.00%	10013	0.00002955343124	0.000016868126	6	6	33	9	0	0	
7/26/2022	7823	3209127	282143	1261669	4473	-2.14%	1831672	59	9.26%	10072	0.00003221100721	0.000018385062	1	10	41	7	0	0	
7/27/2022	7716	3216843	289010	1258794	4312	-3.60%	1835984	64	8.47%	10136	0.00003485869158	0.000019895282	2	3	47	12	0	0	
7/28/2022	7599	3224442	295835	1254266	4299	-0.30%	1840283	60	-6.25%	10196	0.00003260368106	0.000018607871	4	6	39	11	0	0	
7/29/2022	7288	3231710	302310	1248460	4179	-2.79%	1844462	53	-11.67%	10249	0.00002873466626	0.000016399986	0	5	40	8	0	0	
7/30/2022	7612	3239322	309146	1243824	4297	2.82%	1848759	56	5.66%	10305	0.00003029058953	0.000017287568	1	4	39	12	0	0	
7/31/2022	7763	3247085	316174	1238431	4307	0.23%	1853066	54	-3.57%	10359	0.00002914089406	0.000016630301	2	8	33	11	0	0	
8/1/2022	7154	3254239	322521	1232004	3985	-7.48%	1857051	68	25.93%	10427	0.00003661719576	0.000020895822	3	11	38	16	0	0	
8/2/2022	6690	3260929	328476	1224522	3735	-6.27%	1860786	68	0.00%	10495	0.00003654369713	0.000020852953	0	9	48	11	0	0	
8/3/2022	6766	3267695	334468	1216536	3771	0.96%	1864557	51	-25.00%	10546	0.0000273523416	0.000015607332	1	9	34	7	0	0	
8/4/2022	6480	3274175	340237	1207455	3604	-4.43%	1868161	57	11.7%	10603	0.00003051128891	0.000017408966	2	5	38	12	0	0	
8/5/2022	6211	3280386	345740	1197046	3379	-6.24%	1871540	56	-1.75%	10659	0.00002992188251	0.000017071162	1	9	36	10	0	0	
8/6/2022	6608	3286994	351627	1188057	3645	7.87%	1875185	47	-16.07%	10706	0.00002506419367	0.000014298779	2	5	31	9	0	0	
8/7/2022	6510	3293504	357473	1178501	3629	-0.44%	1878814	53	12.77%	10759	0.00002820928522	0.000016092283	5	4	36	8	0	0	
8/8/2022	6041	3299545	362824	1168281	3320	-8.51%	1882134	54	1.89%	10813	0.0000286908371	0.000016365893	1	12	33	8	0	0	
8/9/2022	5804	3305349	367930	1157280	3120	-6.02%	1885254	59	9.26%	10872	0.00003129551774	0.000017489855	2	5	39	13	0	0	
8/10/2022	5740	3311089	372998	1145580	3170	1.60%	1888424	48	-18.64%	10920	0.00002541802053	0.000014496741	1	6	27	14	0	0	
8/11/2022	5597	3316686	377952	1133527	3120	-1.58%	1891544	64	33.33%	10984	0.00003383479316	0.000019296370	1	3	39	21	0	0	
8/12/2022	5489	3322175	382766	1120738	3003	-3.75%	1894547	44	-31.25%	11028	0.0000322454919	0.000013244335	1	4	23	16	0	0	
8/13/2022	5581	3327756	387717	1108740	3027	0.80%	1897574	52	18.18%	11080	0.00002740341088	0.000015628146	3	6	24	19	0	0	
8/14/2022	5625	3333381	392728	1097085	3077	1.65%	1900651	66	26.92%	11146	0.00003472484424	0.000019799717	2	6	44	14	0	0	
8/15/2022	5098	3338479	397204	1084715	2838	-7.77%	1903489	71	7.58%	11217	0.00003729992661	0.000021267170	1	10	34	26	0	0	
8/16/2022	4885	3343364	401456	1072043	2634	-7.19%	1906123	62	-12.68%	11279	0.00003252675719	0.000018544197	1	10	33	18	0	0	
8/17/2022	4837	3348201	405691	1059120	2626	-0.30%	1908749	62	0.00%	11341	0.00003248200785	0.000018517407	5	7	32	18	0	0	
8/18/2022	4710	3352911	409790	1045490	2615	-0.42%	1911364	58	-6.45%	11399	0.00003034482181	0.000017298401	0	7	37	17	0	0	
8/19/2022	4691	3357602	413882	1031356	2516	-3.79%	1913880	51	-12.07%	11450	0.00002664743871	0.000015189412	0	5	29	14	0	0	
8/20/2022	4776	3362378	418007	1017745	2547	1.23%	1916427	57	11.76%	11507	0.00002974284958	0.000016952288	2	2	36	17	0	0	
8/21/2022	4542	3366920	421949	1004256	2494	-2.08%	1918921	56	-1.75%	11563	0.00002918306694	0.000016632412	1	7	28	20	0	0	
8/22/2022	4294	3371214	425569	990407	2263	-9.26%	1921184	46	-17.86%	11609	0.00002394356813	0.000013644936	0	6	20	20	0	0	
8/23/2022	4124	3375338	429000	976622	2260	-0.13%	1923444	43	-6.52%	11652	0.0000223573274	0.000012739465	1	9	21	12	0	0	
8/24/2022	3900	3379238	432247	963076	2132	-5.66%	1925576	49	13.95%	11701	0.0000254469312	0.000014500310	1	6	25	17	0	0	
8/25/2022	3885	3383123	435479	948980	2133	0.05%	1927709	56	14.29%	11757	0.00002905002778	0.000016552753	1	5	24	16	0	0	
8/26/2022	3857	3386980	438624	934081	2136	0.14%	1929845	50	-10.71%	11807	0.00002590881651	0.000014762414	3	7	29</				

date	doses	doses_cumulative	doses_last100d	doses_last200d	new_mrn (day)	new_mrn (day)	growth_mrn (cumulative)	Dead (day)	Dead (day)	growth	Dead (cumulative)	Dead_day / mrn_cum.	Dead_day / doses_cumulative	Dead_d1	Dead_d2	Dead_d3	Dead_d4	Dead_d5plus	Rest in peace
9/8/2022	2467	3427051	468447	762103	1368		-6.43%	1951983	47	-22.95%	12529	0.00002407807855	0.000013714415	2	7	23	15	0	
9/9/2022	2401	3429452	470016	750828	1330		-2.78%	1953313	51	8.51%	12580	0.00002610948681	0.000014871181	0	4	26	21	0	
9/10/2022	2424	3431876	471653	740572	1302		-2.11%	1954615	58	13.73%	12638	0.00002967336278	0.000016900378	3	9	26	20	0	
9/11/2022	2410	3434286	473237	730887	1368		5.07%	1955983	69	18.97%	12707	0.00003527638021	0.000020091512	3	12	29	25	0	
9/12/2022	2261	3436547	474631	721681	1259		-7.97%	1957242	53	-23.19%	12760	0.00002707892024	0.000015422457	2	3	25	23	0	
9/13/2022	2162	3438709	475954	713013	1229		-2.38%	1958471	48	-9.43%	12808	0.00002450891537	0.000013958727	2	4	24	18	0	
9/14/2022	2117	3440826	477158	705053	1199		-2.44%	1959670	50	4.17%	12858	0.00002551449989	0.000014531394	2	9	27	12	0	
9/15/2022	2037	3442863	478359	697139	1170		-2.42%	1960840	57	14.00%	12915	0.00002906917444	0.000016558588	1	10	15	31	0	
9/16/2022	2007	3444870	479503	689340	1136		-2.91%	1961976	45	-21.05%	12960	0.00002293606038	0.000013062902	1	7	22	15	0	
9/17/2022	2050	3446920	480648	682705	1150		1.23%	1963126	57	26.67%	13017	0.00002903532427	0.000016536502	0	6	31	20	0	
9/18/2022	2009	3448929	481774	676346	1138		-1.04%	1964264	44	-22.81%	13061	0.00002240024762	0.000012757584	1	5	23	15	0	
9/19/2022	1740	3450669	482602	670186	1045		-8.17%	1965309	53	20.45%	13114	0.00002696776944	0.000015353940	2	5	19	26	1	
9/20/2022	1707	3452376	483324	664397	960		-8.13%	1966269	46	-13.21%	13160	0.00002339456097	0.000013324157	0	2	21	23	0	
9/21/2022	1634	3454010	483975	658829	909		-5.31%	1967178	62	34.78%	13222	0.00003151729225	0.000017950151	1	5	34	22	0	
9/22/2022	1652	3455662	484635	653514	969		6.60%	1968147	58	-8.45%	13280	0.0000294693435	0.000016784049	2	3	26	26	1	
9/23/2022	1645	3457307	485216	648519	957		-1.24%	1969104	59	1.72%	13339	0.00002996286636	0.000017065305	2	4	34	19	0	
9/24/2022	1596	3458903	485702	643988	875		-5.57%	1969979	62	5.08%	13401	0.00003147241671	0.000017924758	1	8	26	27	0	
9/25/2022	1631	3460534	486218	639808	896		2.40%	1970875	49	-20.97%	13450	0.00002486205366	0.000014159664	1	5	23	20	0	
9/26/2022	1645	3462179	486651	635935	925		3.24%	1971800	55	12.24%	13505	0.00002789329547	0.000015885949	0	5	22	28	0	
9/27/2022	1461	3463640	486713	632220	843		-8.86%	1972643	53	-3.64%	13558	0.0000268675072	0.000015301821	1	5	26	21	0	
9/28/2022	1364	3465004	486581	628817	754		-10.56%	1973397	45	-15.09%	13603	0.00002280331834	0.000012986998	2	4	20	19	0	
9/29/2022	1465	3466469	486396	625545	834		10.61%	1974231	44	-2.22%	13647	0.0000222871589	0.000012693031	4	21	16	1		
9/30/2022	1424	3467893	485946	622183	772		-7.43%	1975003	47	6.82%	13694	0.00002379743221	0.000013552898	0	6	16	25	0	
10/1/2022	1519	3469412	485365	619381	861		11.53%	1975864	57	21.28%	13751	0.000022884813935	0.000016429297	1	8	32	16	0	
10/2/2022	1522	3470934	484481	616627	874		1.51%	1976738	61	7.02%	13812	0.0000308589201	0.000017574520	3	8	22	28	0	
10/3/2022	1455	3472389	483294	614032	821		-6.06%	1977559	54	-11.48%	13866	0.00002730639136	0.000015551253	1	2	26	25	0	
10/4/2022	1499	3473888	481758	611641	857		4.38%	1978416	56	3.70%	13922	0.00002830547266	0.000016120286	2	5	21	28	0	
10/5/2022	1485	3475373	480060	609379	853		-0.47%	1979269	61	8.93%	13983	0.0000308194591	0.000017552073	3	5	23	30	0	
10/6/2022	1477	3476850	478072	607237	837		-1.88%	1980106	65	6.58%	14048	0.00003282652545	0.000018695083	1	8	32	24	0	
10/7/2022	1469	3478319	475640	605031	832		-0.60%	1980938	65	0.00%	14113	0.00003281273821	0.000018687188	2	5	26	32	0	
10/8/2022	1622	3479941	473035	603274	874		5.05%	1981812	54	-16.92%	14167	0.00002724779142	0.000015517504	0	4	17	33	0	
10/9/2022	1542	3481483	469949	601478	870		-0.46%	1982682	47	-12.96%	14214	0.00002370526388	0.000013499994	0	5	18	24	0	
10/10/2022	1582	3483065	466244	599892	875		0.57%	1983557	48	2.13%	14262	0.00002419895168	0.000013780966	0	3	25	20	0	
10/11/2022	1640	3484705	462140	598471	901		2.97%	1984458	64	33.33%	14326	0.00003225061956	0.000018365974	5	3	28	28	0	
10/12/2022	1622	3486327	457841	595353	895		-0.67%	1985353	44	-31.25%	14370	0.0000216230565	0.000012620732	0	5	10	29	0	
10/13/2022	1692	3488019	453169	596072	957		6.93%	1986310	60	36.36%	14430	0.00003020676531	0.000017201471	1	5	24	30	0	
10/14/2022	1635	3489654	448264	594925	930		-2.82%	1987240	49	-18.33%	14479	0.00002465731366	0.000014041507	1	7	19	22	0	
10/15/2022	1649	3491303	442987	594058	887		-4.62%	1988127	55	12.24%	14534	0.00002766422869	0.000015753431	0	4	24	27	0	
10/16/2022	1860	3493163	437474	593518	998		12.51%	1989125	51	-7.27%	14585	0.00002563941432	0.000014599949	0	4	24	23	0	
10/17/2022	1651	3494814	431080	592920	911		-8.72%	1990036	55	7.84%	14640	0.00002763769098	0.000015737604	1	1	23	29	1	
10/18/2022	1682	3496496	424244	592459	963		5.71%	1990999	61	10.91%	14701	0.00003063788581	0.000017446037	5	7	23	26	0	
10/19/2022	1633	3498129	417965	592097	867		-9.97%	1991866	71	16.39%	14772	0.000033564496809	0.000020296564	4	3	29	34	1	
10/20/2022	1656	3499785	411314	591854	892		2.88%	1992758	47	-33.80%	14819	0.00002358540274	0.000013429396	0	2	21	24	0	
10/21/2022	1641	3501426	404470	591675	938		5.16%	1993696	62	31.91%	14881	0.00003109802096	0.000017707071	1	5	27	27	2	
10/22/2022	1742	3503168	397653	591705	986		5.12%	1994682	67	8.06%	14948	0.00003358931399	0.000019125546	2	3	30	32	0	
10/23/2022	1697	3504865	390815	591712	927		-5.98%	1995609	45	-32.84%	14993	0.00002254950744	0.000012839296	2	3	22	18	0	
10/24/2022	1717	3506582	383350	591843	947		2.16%	1996556	74	64.44%	15067	0.0000370638239	0.000021103711	0	5	25	44	0	
10/25/2022	1615	3508197	375723	592042	893		-5.70%	1997449	62	-16.22%	15129	0.000031039591	0.000017672896	2	4	22	32	2	
10/26/2022	1571	3509768	368590	592257	868		-2.80%	1998317	49	-20.97%	15178	0.00002452063411	0.000013961037	1	4	12	31	1	
10/27/2022	1626	3511394	361389	592652	934		7.60%	1999251	64	30.61%	15242	0.00003201198849	0.000018226380	1	8	25	29	1	
10/28/2022	1589	3512983	354257	592994	879		-5.89%	2000130	47	-26.56%	15289	0.0000324984726	0.000013378943	1	1	16	29	0	
10/29/2022	1598	3514581	347276	593417	856		-2.62%	2000986	53	12.77%	15342	0.00002648694194	0.000015080034	0	5	16	32	0	
10/30/2022	1667	3516248	340400	594017	910		6.31%	2001896	53	0.00%	15395	0.00002647490179	0.000015072885	2	2	21	28	0	
10/31/2022	1560	3517808	333344	594581	893		-1.87%	2002789	55	3.77%	15450	0.00002746170465	0.000015634736	1	7	19	27	1	
11/1/2022	1600	3519408	326227	595263	904		1.23%	2003693	62	12.73%	15512	0.000030942864	0.000017616599	1	5	25	31	0	
11/2/2022	1566	3520974	319670	595800	901		-0.33%	2004594	53	-14.52%	15565	0.000026439269	0.000015052653	2	6	19	26	0	
11/3/2022	1540	3522514	313387	596373	873		-3.11%	2005467	59	11.32%	15624	0.00002941958157	0.000016749401	0	7	24	28	0	
11/4/2022	1552	3524066	307223	597082	902		3.32%	2006369	62	5.08%	15686	0.00003090159387	0.000017593314	1	7	23	31	0	
11/5/2022	1568	3525634	301192	597801	859		-4.77%	2007228	60	-3.23%	15746	0.00002989197042	0.000017018216	2	5	22	31	0	
11/6/2022	1641	3527275	295565	598668	926		7.80%	2008154	51	-15.00%	15797	0.00002539645864	0.000014458754	0	3	20	27	1	
11/7/2022	1591	3528866	289544	599466	930		0.43%	2009084	54	5.88%	15851	0.00002687792049	0.000015302366	1	6	24	22	1	
11/8/2022	1559	3530425	283340	600249															

date	doses	doses_cumulative	doses_last100d	doses_last200d	new_mrn (day)	new_mrn (day)	growth_mrn (cumulative)	Dead (day)	Dead (day)	growth	Dead (cumulative)	Dead_day / mrn_cum.	Dead_day / doses_cumulative	Dead_d1	Dead_d2	Dead_d3	Dead_d4	Dead_d5plus	Rest in peace
11/21/2022	1557	3550931	223175	611522	902	-2.80%	2021755	60	11.11%	16625	0.0000296771864	0.000016896977	1	5	18	24	2		
11/22/2022	1547	3552478	219097	612439	921	2.11%	2022676	58	-3.32%	16683	0.00002867488416	0.000016326632	3	7	20	27	1		
11/23/2022	1608	3554086	215607	613433	923	0.22%	2023599	71	22.41%	16754	0.00003508600271	0.000019977007	1	5	21	42	2		
11/24/2022	1536	3555622	212258	614347	876	-5.09%	2024475	65	-8.45%	16819	0.00003210708949	0.000018280908	1	8	24	31	1		
11/25/2022	1538	3557160	208959	615252	891	1.71%	2025366	51	-21.54%	16870	0.00002518063402	0.000014337280	0	8	16	25	2		
11/26/2022	1677	3558837	205926	616327	965	8.31%	2026331	49	-3.92%	16919	0.00002418163666	0.000013768543	0	2	16	31	0		
11/27/2022	1638	3560475	202873	617354	946	-1.97%	2027277	74	51.02%	16993	0.00003650216522	0.000020783744	2	6	29	37	0		
11/28/2022	1546	3562021	199643	618301	920	-2.75%	2028197	54	-27.03%	17047	0.00002662463262	0.000015159933	2	5	20	25	2		
11/29/2022	1534	3563555	196635	619184	893	-2.93%	2029090	46	-14.81%	17093	0.00002672026105	0.000012908458	1	5	14	25	1		
11/30/2022	1555	3565110	193896	620139	894	0.11%	2029984	46	0.00%	17139	0.00002266027713	0.000012902828	0	5	15	24	2		
12/1/2022	1548	3566658	191320	621013	885	-1.01%	2030869	57	23.91%	17196	0.00002806680293	0.000015981347	3	5	17	32	0		
12/2/2022	1567	3568225	188987	621887	910	2.82%	2031779	64	12.28%	17260	0.00003149948887	0.000017936089	2	8	21	33	0		
12/3/2022	1665	3569890	186767	622899	983	8.02%	2032762	48	-25.00%	17308	0.0000236131923	0.000013445792	1	5	12	29	1		
12/4/2022	1612	3571502	184522	623858	911	-7.32%	2033673	59	22.92%	17367	0.00002901154709	0.000016519660	0	3	21	35	0		
12/5/2022	1541	3573043	182250	624687	880	-3.40%	2034553	54	-8.47%	17421	0.00002854145653	0.000015113168	0	3	19	32	0		
12/6/2022	1525	3574568	179974	625510	875	-0.57%	2035428	63	16.67%	17484	0.00003095172121	0.000017624507	0	6	21	36	0		
12/7/2022	1542	3576110	178154	626346	904	3.31%	2036332	73	15.87%	17557	0.00003584877122	0.000020413242	5	6	19	42	1		
12/8/2022	1589	3577669	176455	627095	902	-0.22%	2037234	69	-5.48%	17626	0.0000338694524	0.000019286301	0	5	19	44	1		
12/9/2022	1604	3579273	174854	627944	933	3.44%	2038167	58	-15.94%	17684	0.00002845694195	0.000016204408	0	10	26	21	1		
12/10/2022	1624	3580897	173386	628768	915	-1.93%	2039082	66	13.79%	17750	0.00003236750655	0.000018431136	0	3	23	38	2		
12/11/2022	1683	3582580	172124	629639	941	2.84%	2040023	61	-7.58%	17811	0.00002990162366	0.000017026835	0	10	15	34	2		
12/12/2022	1559	3584139	170638	630446	892	-5.21%	2040915	72	18.03%	17883	0.00003527829429	0.000020088507	2	3	31	35	1		
12/13/2022	1478	3585617	169057	631102	862	-3.36%	2041777	59	-18.06%	17942	0.0000288963976	0.000016454630	1	6	19	33	0		
12/14/2022	1534	3587151	167848	631818	894	3.71%	2042671	59	0.00%	18001	0.00002888375074	0.000016447593	1	4	16	38	0		
12/15/2022	1463	3588614	166669	632465	835	-6.60%	2043506	61	3.39%	18062	0.0000298506862	0.000016998206	2	6	17	35	1		
12/16/2022	1396	3590010	165426	633060	813	-2.63%	2044319	55	-8.84%	18117	0.0000269038247	0.000015320292	1	5	17	31	1		
12/17/2022	1423	3591433	164382	633667	820	0.86%	2045139	61	10.91%	18178	0.00002982682351	0.000016984864	2	6	19	33	1		
12/18/2022	1442	3592875	163423	634271	845	3.05%	2045984	48	-21.31%	18228	0.00002346059402	0.000013359775	0	2	18	28	0		
12/19/2022	1285	3594130	162254	634694	733	-13.25%	2046717	63	31.25%	18289	0.00003078100197	0.000017528581	2	5	21	35	0		
12/20/2022	1170	3595300	161014	635077	669	-8.73%	2047386	63	0.00%	18352	0.00003077094402	0.000017522877	2	3	23	33	2		
12/21/2022	1128	3596428	159881	635379	676	1.05%	2048062	66	4.76%	18418	0.0000322558692	0.000018351542	3	7	21	35	0		
12/22/2022	1045	3597473	158764	635557	656	-2.96%	2048718	59	-10.61%	18477	0.0000287984974	0.000016400401	3	7	18	30	1		
12/23/2022	1022	3598495	157669	635740	605	-7.77%	2049323	58	-1.69%	18535	0.0000283020295	0.000016117849	2	6	12	36	2		
12/24/2022	1013	3599508	156645	635840	597	-1.32%	2049920	58	0.00%	18593	0.00002829378707	0.000016113313	1	5	18	33	1		
12/25/2022	935	3600443	155573	635939	576	-3.52%	2050496	62	6.90%	18655	0.00003023568666	0.000017220103	3	7	20	31	1		
12/26/2022	826	3601269	154349	635902	515	-10.59%	2051011	65	4.84%	18720	0.00003169168766	0.000018049193	3	7	18	37	0		
12/27/2022	822	3602091	153162	635819	516	0.19%	2051527	67	3.08%	18787	0.00003265860015	0.000018600307	2	1	22	40	2		
12/28/2022	671	3602762	152093	635607	414	-19.77%	2051941	62	-7.46%	18849	0.00003021529371	0.000017209019	3	5	21	32	1		
12/29/2022	618	3603380	151004	635313	394	-4.83%	2052335	53	-14.52%	18902	0.00002562424409	0.000014708413	0	6	14	31	2		
12/30/2022	620	3604000	149990	634948	382	-3.05%	2052717	49	-7.55%	18951	0.00002387080148	0.000013596004	0	3	13	32	1		
12/31/2022	644	3604644	148982	634609	398	4.19%	2053115	62	26.53%	19013	0.00003019801619	0.000017200034	1	9	14	38	0		
1/1/2023	623	3605267	147960	634240	398	0.00%	2053513	77	24.19%	19090	0.00003749671904	0.000021357641	2	5	28	42	0		
1/2/2023	641	3605908	147005	633817	414	4.02%	2053927	55	-28.57%	19145	0.00002677797215	0.000015252746	1	2	21	31	0		
1/3/2023	620	3606528	145994	633327	392	-5.31%	2054319	70	27.27%	19215	0.0000340745522	0.000019409249	1	9	30	30	0		
1/4/2023	603	3607131	144952	632815	391	-0.26%	2054710	54	-22.86%	19269	0.0000268108103	0.000014970346	2	5	21	26	0		
1/5/2023	614	3607745	144105	632217	380	-2.81%	2055090	58	7.41%	19327	0.00002822260826	0.000016076524	1	7	14	36	0		
1/6/2023	545	3608290	143286	631363	368	-3.16%	2055458	56	-3.45%	19383	0.0000274453625	0.000015519817	0	6	18	32	0		
1/7/2023	636	3608926	142457	630503	385	4.62%	2055843	66	17.86%	19449	0.00003210361881	0.000018287989	2	7	19	38	0		
1/8/2023	639	3609565	141672	629492	400	3.90%	2056243	66	0.00%	19515	0.00003209737371	0.000018284752	3	5	18	40	0		
1/9/2023	571	3610136	140724	628189	385	-3.75%	2056628	70	6.06%	19585	0.00003403629631	0.000019389851	2	6	18	44	0		
1/10/2023	581	3610717	139783	626670	369	-4.16%	2056997	55	-21.43%	19640	0.00002673800691	0.000015232432	2	5	19	29	0		
1/11/2023	604	3611321	138932	624868	383	3.79%	2057380	60	9.09%	19700	0.00002916330479	0.000016614419	0	5	25	30	0		
1/12/2023	580	3611901	138013	622806	347	-9.40%	2057727	54	-10.00%	19754	0.00002624254821	0.000014950576	3	1	17	32	1		
1/13/2023	633	3612534	137161	620402	411	18.44%	2058138	63	16.67%	19817	0.00003061019232	0.000017439282	0	13	15	35	0		
1/14/2023	607	3613141	136291	617828	382	-7.06%	2058520	76	20.63%	19893	0.00003691972874	0.000021034330	2	7	24	43	0		
1/15/2023	622	3613763	135444	614985	401	4.97%	2058921	54	-28.95%	19947	0.00002622732975	0.000014942873	2	6	15	30	1		
1/16/2023	585	3614348	134407	611669	357	-10.97%	2059278	60	11.11%	20007	0.00002913642549	0.000016600504	1	4	28	26	1		
1/17/2023	546	3614894	133411	607988	355	-0.56%	2059633	47	-21.67%	20054	0.00002281959941	0.000013001764	2	2	12	31	0		
1/18/2023	529	3615423	132358	603889	331	-6.76%	2059964	64	36.17%	20118	0.00003106850411	0.000017701940	2	4	22	36	0		
1/19/2023	486	3615909	131204	599088	303	-8.46%	2060267	61	-4.69%	20179	0.00002960781297	0.000016869894	2	8	22	29	0		
1/20/2023	485	3616394	130067	595829	297	-1.98%	2060564	46	-24.59%	20225	0.00002232398508	0.000012719853	0	3	16	25	2		
1/21/2023	523	3616917	128998	588431	339	14.14%	2060903	58	26.09%	20283	0.00002814300333	0.000016035756	1	3	21	32	1		
1/22/2023	466	3617383	127729	582533	298	-12.09%	2061201	65	12.07%	20348	0.00003153501284	0.00							



date	doses	doses_cumulative	doses_last100d	doses_last200d	new_mrn (day)	new_mrn (day)	growth_mrn (cumulative)	Dead (day)	Dead (day)	growth	Dead (cumulative)	Dead_day / mrn_cum.	Dead_day / doses_cumulative	Dead_d1	Dead_d2	Dead_d3	Dead_d4	Dead_d5plus	Rest in peace
2/3/2023	295	3621888	112120	489414	169	-11.98%	2063886	53	-10.17%	21033	0.00002567971293	0.000014633252	0	2	3	19	29	2	
2/4/2023	318	3622206	110812	481028	174	2.96%	2064060	55	3.77%	21088	0.00002664651221	0.000015184117	1	2	3	20	30	2	
2/5/2023	320	3622526	109543	472521	199	14.37%	2064259	56	1.82%	21144	0.00002712837875	0.000015548826	2	5	5	23	26	0	
2/6/2023	323	3622849	108268	464123	182	-8.54%	2064441	62	10.71%	21206	0.00003003232429	0.00001713603	1	7	16	38	0	0	
2/7/2023	273	3623122	106874	455817	154	-15.38%	2064595	59	-4.84%	21265	0.00002857703327	0.000016284298	2	4	17	34	2	0	
2/8/2023	269	3623391	105583	447543	162	5.19%	2064757	66	11.88%	21331	0.00003196502058	0.0000168214981	0	4	21	40	1	0	
2/9/2023	266	3623657	104249	439193	151	-6.79%	2064908	50	-24.24%	21381	0.00002421415385	0.000013798215	0	4	13	31	2	0	
2/10/2023	255	3623912	102938	430731	142	-5.96%	2065050	58	16.00%	21439	0.00002808648701	0.000016004804	3	1	19	34	1	0	
2/11/2023	253	3624165	101651	422861	148	4.23%	2065198	53	-8.62%	21492	0.00002566339886	0.000014624058	1	5	16	30	1	0	
2/12/2023	253	3624418	100352	415291	141	-4.73%	2065339	59	11.32%	21551	0.00002856673892	0.000016278476	1	1	13	42	2	0	
2/13/2023	247	3624665	99031	407822	136	-3.55%	2065475	67	13.56%	21618	0.00003243805904	0.000018484467	1	8	17	40	1	0	
2/14/2023	262	3624927	97652	400485	162	19.12%	2065637	67	0.00%	21685	0.00003243551505	0.000018483131	0	7	19	41	0	0	
2/15/2023	263	3625190	96324	393480	157	-3.09%	2065794	63	-5.97%	21748	0.00003049674847	0.000017378399	2	4	19	37	1	0	
2/16/2023	198	3625388	94963	386066	114	-27.39%	2065908	66	4.76%	21814	0.00003194721159	0.000018204948	1	9	21	32	3	0	
2/17/2023	219	3625607	93652	378522	114	0.00%	2066022	49	-25.76%	21863	0.00002371707562	0.000013514978	0	3	15	30	1	0	
2/18/2023	245	3625852	92354	371613	142	24.56%	2066164	62	26.53%	21925	0.00003000729855	0.000017099429	0	5	19	38	0	0	
2/19/2023	216	3626068	91070	365139	139	-2.11%	2066303	59	-4.84%	21984	0.00002855341158	0.000016271068	0	4	20	30	5	0	
2/20/2023	241	3626309	89667	358614	145	4.32%	2066448	41	-30.51%	22025	0.00001984080896	0.000011306262	1	2	9	28	1	0	
2/21/2023	215	3626524	88185	352349	134	-7.59%	2066582	55	34.15%	22080	0.00002661399354	0.000015166038	2	4	14	33	2	0	
2/22/2023	223	3626747	86882	346361	144	7.46%	2066726	61	10.91%	22141	0.00002951528166	0.000016819480	1	2	14	42	2	0	
2/23/2023	212	3626959	85460	339965	121	-15.97%	2066847	55	-9.84%	22196	0.00002661058124	0.000015164219	1	3	15	36	0	0	
2/24/2023	266	3627225	84164	333721	176	45.45%	2067023	70	27.27%	22266	0.00003386512874	0.000019298500	1	7	18	43	1	0	
2/25/2023	246	3627471	82928	327926	136	-22.73%	2067159	52	-25.71%	22318	0.00002515529768	0.000014335056	4	4	14	30	0	0	
2/26/2023	275	3627746	81658	322397	168	23.53%	2067327	67	28.85%	22385	0.00003240899964	0.000018468768	2	6	12	47	0	0	
2/27/2023	239	3627985	80255	316896	138	-17.86%	2067465	55	-17.91%	22440	0.00002660262689	0.000015159930	1	4	16	33	1	0	
2/28/2023	252	3628237	78863	311551	155	12.32%	2067620	61	10.91%	22501	0.00002950251981	0.000016812573	1	8	14	38	0	0	
3/1/2023	262	3628499	77568	306324	151	-2.58%	2067771	61	0.00%	22562	0.00002950036537	0.000016811359	1	5	20	33	2	0	
3/2/2023	298	3628797	76319	301041	176	16.56%	2067947	63	3.28%	22625	0.00003046499741	0.000017361125	0	5	19	38	1	0	
3/3/2023	259	3629056	74970	295675	137	-22.16%	2068084	57	-9.52%	22682	0.00002756174314	0.000015706564	0	6	17	33	1	0	
3/4/2023	333	3629389	73767	290910	184	34.31%	2068268	56	-1.75%	22738	0.00002707579482	0.000015429594	1	5	23	27	0	0	
3/5/2023	331	3629720	72560	286356	186	1.09%	2068454	56	0.00%	22794	0.0000270733601	0.000015428187	1	1	21	31	2	0	
3/6/2023	283	3630003	71166	281802	180	-3.23%	2068634	48	-14.29%	22842	0.00002320371801	0.000013223130	1	3	13	30	1	0	
3/7/2023	324	3630327	69852	277416	183	1.67%	2068817	57	18.75%	22899	0.00002755197777	0.000015701065	0	8	15	32	2	0	
3/8/2023	329	3630656	68635	273054	192	4.92%	2069009	69	21.05%	22968	0.0000334929911	0.000019004830	1	3	11	54	0	0	
3/9/2023	300	3630956	67401	268578	180	-6.25%	2069189	54	-21.74%	23022	0.00002609718107	0.000014872116	3	3	21	27	0	0	
3/10/2023	340	3631296	66186	264376	197	9.44%	2069386	69	27.78%	23091	0.0000334322355	0.000019001480	2	6	18	42	1	0	
3/11/2023	394	3631690	65032	260476	217	10.15%	2069603	53	-23.19%	23144	0.00002560877618	0.000014593757	1	2	17	32	1	0	
3/12/2023	353	3632043	63818	256705	183	-15.67%	2069786	58	9.43%	23202	0.00002802222065	0.000015969874	0	1	21	35	1	0	
3/13/2023	381	3632424	62534	253186	198	8.20%	2069984	59	1.72%	23261	0.00002850263577	0.000016242597	0	7	19	32	0	0	
3/14/2023	352	3632776	61274	249653	175	-11.62%	2070159	59	0.00%	23320	0.00002850022631	0.000016241023	0	5	25	29	0	0	
3/15/2023	380	3633156	60113	246176	195	11.43%	2070354	57	-3.39%	23377	0.00002753152359	0.000015688839	1	4	19	29	4	0	
3/16/2023	439	3633595	59027	242802	193	-1.03%	2070547	52	-8.77%	23429	0.00002511413651	0.000014310896	2	2	5	18	26	1	
3/17/2023	509	3634104	57994	239510	228	18.13%	2070775	52	0.00%	23481	0.0000251137135	0.000014308892	3	5	15	29	0	0	
3/18/2023	587	3634691	57022	236735	245	7.46%	2071020	56	7.69%	23537	0.00002703981613	0.000015407087	0	5	16	34	1	0	
3/19/2023	673	3635364	56091	234150	273	11.43%	2071293	49	-12.50%	23586	0.00002365672071	0.000013478705	1	3	15	29	1	0	
3/20/2023	829	3636193	55296	231774	297	8.79%	2071590	48	-2.04%	23634	0.00002317060808	0.000013200619	0	6	20	22	0	0	
3/21/2023	899	3637092	54512	229581	287	-3.37%	2071877	48	0.00%	23682	0.00002316739845	0.000013197357	0	3	14	31	0	0	
3/22/2023	1206	3638298	54159	227842	371	29.27%	2072248	64	33.33%	23746	0.00003088433431	0.000017590643	2	5	19	37	1	0	
3/23/2023	1519	3639817	54200	226316	417	12.40%	2072665	62	-3.13%	23808	0.00002991317941	0.000017033823	0	4	17	39	2	0	
3/24/2023	1724	3641541	54390	224981	501	20.14%	2073166	53	-14.52%	23861	0.00002556476423	0.000014554278	0	2	21	30	0	0	
3/25/2023	2131	3643672	55058	224369	524	4.59%	2073690	62	16.98%	23923	0.00002999839368	0.000017015802	1	9	16	36	0	0	
3/26/2023	2667	3646339	56329	224394	638	21.76%	2074328	49	-20.97%	23972	0.00002362210798	0.000013438136	1	1	16	29	2	0	
3/27/2023	2932	3649271	57838	224687	692	8.46%	2075020	52	6.12%	24024	0.00002505999942	0.000014249421	0	1	16	35	0	0	
3/28/2023	3538	3652809	59934	225758	806	16.47%	2075826	68	30.77%	24092	0.00003275804427	0.000018611580	0	6	23	39	0	0	
3/29/2023	4064	3656873	62743	227421	931	15.51%	2076757	73	7.35%	24165	0.00003515095892	0.000019962411	2	3	21	46	1	0	
3/30/2023	4538	3661411	66111	229535	1055	13.32%	2077812	66	-9.59%	24231	0.00003176418271	0.000018025838	1	5	11	49	0	0	
3/31/2023	5127	3666538	70110	232252	1139	7.96%	2078951	57	-13.64%	24288	0.00002741767362	0.000015546000	0	4	22	28	3	0	
4/1/2023	5374	3671912	74439	235365	1124	-1.32%	2080075	67	17.54%	24355	0.00003221037703	0.000018246625	1	5	20	41	0	0	
4/2/2023	6249	3678161	79666	239452	1313	16.81%	2081388	53	-20.90%	24408	0.00002546377706	0.000014409375	4	3	10	36	0	0	
4/3/2023	6011	3684172	84664	243346	1388	5.71%	2082776	69	30.19%	24477	0.00003312886263	0.000018728767	2	4	23	39	1	0	
4/4/2023	6349	3690521	90078	247658	1366	-1.59%	2084142	64	-7.25%	24541	0.00003070808035	0.000017341725	0	5	19	40	0	0	
4/5/2023	6807	3697328	96059	252458	1511	10.61%	2085653	55	-14.08%	24596	0.00002637063788	0.000014875607	0	3	14	37	1	0	
4/6/2023	7445	3704773	102682	257853	1556	2.98%	2087209	59	7.27										

date	doses	doses_cumulative	doses_last100d	doses_last200d	new_mrn (day)	new_mrn (day)	growth_mrn (cumulative)	Dead (day)	Dead (day)	growth	Dead (cumulative)	Dead_day / mrn_cum.	Dead_day / doses_cumulative	Dead_d1	Dead_d2	Dead_d3	Dead_d4	Dead_d5plus	Rest in peace
4/18/2023	9330	3815799	206234	349330	2285	6.33%	2112291	62	-27.91%	25431	0.00002935201637	0.000016248235	1	5	13	41	2		
4/19/2023	9354	3825153	215017	357260	2254	-1.36%	2114545	46	-25.81%	25477	0.00002175408894	0.000012025663	1	4	14	25	2		
4/20/2023	9239	3834392	223675	364980	2333	3.50%	2116878	56	21.74%	25533	0.00002845405167	0.000014604662	2	3	15	28	8		
4/21/2023	9100	3843492	232171	372558	2215	-5.06%	2119093	71	26.79%	25604	0.00003350490045	0.000018472785	1	7	20	34	9		
4/22/2023	9643	3853135	241234	380746	2402	8.44%	2121495	48	-32.39%	25652	0.00002262555415	0.000012457389	0	2	11	30	5		
4/23/2023	9698	3862833	250299	388945	2438	1.50%	2123933	62	29.17%	25714	0.000029191112797	0.000016050396	2	5	19	32	4		
4/24/2023	8730	3871563	258422	396190	2254	-7.55%	2126187	52	-16.13%	25766	0.00002445692688	0.000013431268	1	9	16	23	3		
4/25/2023	9191	3880754	266991	403904	2423	7.50%	2128610	66	26.92%	25832	0.00003100614955	0.000017007004	1	4	21	36	4		
4/26/2023	8343	3889097	274749	410778	2251	-7.10%	2130861	64	-3.03%	25896	0.00003003480753	0.000016456262	0	5	20	32	7		
4/27/2023	8107	3897204	282310	417263	2114	-6.09%	2132975	53	-17.19%	25949	0.00002484792367	0.000013599493	3	2	13	30	5		
4/28/2023	8064	3905268	289845	423785	2089	-1.18%	2135064	66	24.53%	26015	0.0000309124223	0.000016900249	0	8	16	34	8		
4/29/2023	8135	3913403	297494	430338	2077	-0.57%	2137141	78	18.18%	26093	0.00003649735792	0.000019931502	0	6	18	44	10		
4/30/2023	8118	3921521	305127	436816	2102	1.20%	2139243	65	-16.67%	26158	0.00003038457997	0.000016575201	2	3	16	35	9		
5/1/2023	7385	3928906	311989	442579	1989	-5.38%	2141232	53	-16.46%	26211	0.00002475210533	0.000013489760	1	3	17	24	8		
5/2/2023	7272	3936178	318795	448159	1890	-4.98%	2143122	69	30.19%	26280	0.00003219602057	0.000017529695	1	3	21	34	10		
5/3/2023	7118	3943296	325451	453642	1932	2.22%	2145054	58	-15.94%	26338	0.00002703894634	0.000014708508	0	0	19	28	11		
5/4/2023	6840	3950136	331859	458833	1866	-3.42%	2146920	56	-3.45%	26394	0.0000260838783	0.000014176727	1	1	12	29	13		
5/5/2023	6644	3956780	338091	463617	1772	-5.04%	2148692	67	19.64%	26461	0.00003118176081	0.000016932961	0	6	18	32	11		
5/6/2023	6972	3963752	344659	468938	1843	4.01%	2150535	57	-14.93%	26518	0.00002605053247	0.000014380314	1	4	18	25	9		
5/7/2023	6862	3970614	351111	474118	1816	-1.47%	2152351	54	-5.26%	26572	0.00002508884471	0.000013599912	0	2	12	33	7		
5/8/2023	6098	3976712	356820	478583	1696	-6.61%	2154047	55	1.85%	26627	0.0000255333333	0.000013830521	1	3	15	27	9		
5/9/2023	5907	3982619	362357	482834	1615	-4.78%	2155662	80	45.45%	26707	0.00003711156944	0.000020087284	0	3	20	47	10		
5/10/2023	5632	3988251	367649	486825	1534	-5.02%	2157196	61	-23.75%	26768	0.00002827744906	0.000015294925	2	6	14	32	7		
5/11/2023	5373	3993624	372673	490456	1470	-4.17%	2158666	54	-11.48%	26822	0.00002501544936	0.000013521553	1	3	11	29	10		
5/12/2023	5375	3998999	377730	494134	1436	-2.31%	2160102	73	35.19%	26895	0.00003379470044	0.000018254568	1	5	18	33	16		
5/13/2023	5305	4004304	382711	497722	1494	4.04%	2161596	57	-21.92%	26952	0.00002836940483	0.000014234683	0	5	15	22	15		
5/14/2023	5379	4009683	387795	501486	1467	-1.81%	2163063	58	1.75%	27010	0.00002681382835	0.000014646984	1	5	15	26	11		
5/15/2023	4887	4014570	392364	504802	1377	-6.13%	2164440	57	-1.72%	27067	0.00002633475633	0.000014198283	0	3	12	35	7		
5/16/2023	4780	4019330	396804	507936	1301	-5.52%	2165741	66	15.79%	27133	0.00003047455813	0.000016420647	1	7	14	33	11		
5/17/2023	4679	4024009	401160	511026	1357	4.30%	2167098	63	-4.55%	27196	0.00002907113568	0.000015656029	1	5	15	30	12		
5/18/2023	4438	4028447	405325	513866	1214	-10.54%	2168312	68	7.94%	27264	0.00003136080048	0.000016879954	0	3	19	37	9		
5/19/2023	4361	4032808	409417	516560	1185	-2.39%	2169497	76	11.76%	27340	0.0000350311616	0.000018845430	1	3	11	40	14		
5/20/2023	4425	4037233	413576	519425	1229	2.02%	2170726	62	-18.42%	27402	0.00002856187285	0.000015357053	2	4	17	24	11		
5/21/2023	4435	4041668	417756	522260	1240	0.90%	2171966	70	12.90%	27472	0.0000322886546	0.000017319582	3	2	20	29	16		
5/22/2023	4090	4045758	421593	524784	1120	-9.68%	2173086	63	-10.00%	27535	0.00002899102935	0.000015571866	0	7	14	27	15		
5/23/2023	3936	4049694	425276	527180	1140	1.79%	2174226	64	1.59%	27599	0.00002943576243	0.000015803663	0	6	10	35	13		
5/24/2023	3883	4053577	428912	529511	1153	1.14%	2175379	84	31.25%	27683	0.00003861396106	0.000020272438	2	10	18	32	22		
5/25/2023	3762	4057339	432412	531705	1104	-4.25%	2176483	71	-15.48%	27754	0.00003262143559	0.000017499154	1	4	15	29	22		
5/26/2023	3740	4061079	435889	533804	1066	-3.44%	2177549	51	-28.17%	27805	0.00002342082773	0.000012558239	0	4	11	22	14		
5/27/2023	3639	4064918	439530	536052	1063	-0.28%	2178612	65	27.45%	27870	0.00002983550995	0.000015990482	1	5	16	29	14		
5/28/2023	3842	4068760	443153	538335	1095	3.01%	2179707	59	-9.23%	27929	0.0000270678582	0.000014500732	1	5	7	33	12		
5/29/2023	3506	4072266	446414	540311	986	-9.95%	2180693	83	40.68%	28012	0.00003806129519	0.000020381773	2	2	24	34	22		
5/30/2023	3377	4075643	449575	542145	962	-2.43%	2181655	70	-16.66%	28082	0.00003208573308	0.000017175204	0	3	4	26	21		
5/31/2023	3266	4078909	452600	543911	947	-1.56%	2182602	66	-5.71%	28148	0.00003023913659	0.000016180797	2	4	17	24	18		
6/1/2023	3166	4082075	455551	545433	944	-0.32%	2183546	78	18.18%	28226	0.00003572171138	0.000019197929	1	6	18	37	16		
6/2/2023	3082	4085157	458410	546818	935	-0.95%	2184481	68	-12.82%	28294	0.00003112867542	0.000016645627	3	7	18	25	15		
6/3/2023	3170	4088327	461368	548462	934	-0.11%	2185415	76	11.76%	28370	0.00003477600364	0.000018589511	0	4	12	41	19		
6/4/2023	3180	4091507	464282	550008	931	-0.32%	2186346	63	-17.11%	28433	0.00002881520125	0.000015397750	1	7	17	25	13		
6/5/2023	3131	4094638	467167	551577	901	-3.22%	2187247	79	25.40%	28512	0.00003611846307	0.000019293525	1	6	20	34	18		
6/6/2023	2782	4097420	469674	552877	839	-6.88%	2188086	71	-10.13%	28583	0.00003244845038	0.000017327977	2	4	11	32	22		
6/7/2023	2787	4100207	472222	554119	798	-4.89%	2188884	63	-11.27%	28646	0.00002878179017	0.000015365078	1	1	21	26	14		
6/8/2023	2687	4102894	474657	555164	830	4.01%	2189714	91	44.44%	28737	0.00004155793862	0.000022179466	1	3	22	44	21		
6/9/2023	2627	4105521	477022	556147	792	-4.58%	2190506	59	-35.16%	28796	0.00002693441607	0.000014370892	0	2	22	24	11		
6/10/2023	2584	4108105	479308	557174	754	-4.80%	2191260	72	22.03%	28868	0.00003285780784	0.000017526329	0	8	17	29	18		
6/11/2023	2697	4110802	481746	558324	796	5.57%	2192056	83	15.28%	28951	0.00003786399618	0.000020190707	0	6	17	40	20		
6/12/2023	2475	4113277	483888	559191	739	-7.16%	2192795	76	-8.43%	29027	0.00003465896265	0.000018476752	0	9	17	32	18		
6/13/2023	2388	4115665	485945	560043	685	-7.31%	2193480	81	6.58%	29108	0.00003692762186	0.000019680902	1	7	27	31	15		
6/14/2023	2403	4118068	488065	560908	686	0.15%	2194166	75	-7.41%	29183	0.00003418155235	0.000018212424	3	5	17	27	23		
6/15/2023	2284	4120352	490025	561515	634	-7.58%	2194800	77	2.67%	29260	0.00003508292327	0.000018687724	3	5	20	25	24		
6/16/2023	2268	4122620	491964	562145	677	6.78%	2195477	68	-11.69%	29328	0.0000309727681	0.000016494365	1	4	16	26	21		
6/17/2023	2335	4124955	493999	562934	669	-1.18%	2196146	73	7.35%	29401	0.0000332400487	0.000017697163	0	5	13	31	24		
6/18/2023	2330	4127285	495989	563730	688	2.84%	2196834	80	9.59%	29481	0.00003641604236	0.000019383202	1	7	23	29	20		
6/19/2023	2089	4129374	497684	564264	575														

date	doses	doses_cumulative	doses_last100d	doses_last200d	new_mrn (day)	new_mrn (day)	growth_mrn (cumulative)	Dead (day)	Dead (day)	growth	Dead (cumulative)	Dead_day / mrn_cum.	Dead_day / doses_cumulative	Dead_d1	Dead_d2	Dead_d3	Dead_d4	Dead_d5plus	Rest in peace
7/1/2023	1283	4149325	509508	565186	354	354	-4.32%	2203073	68	28.30%	30369	0.00003086597675	0.000016388208	2	11	15	19	21	
7/2/2023	1269	4150594	509053	564977	336	336	-5.08%	2203409	83	22.06%	30452	0.00003766890305	0.000019997138	1	4	27	28	23	
7/3/2023	1085	4151679	508007	564528	312	312	-7.14%	2203721	74	-10.84%	30526	0.00003357956838	0.000017824114	0	2	17	31	24	
7/4/2023	1007	4152686	506347	564072	259	259	-16.99%	2203980	87	17.57%	30613	0.00003947404241	0.0000209050296	1	6	13	40	27	
7/5/2023	962	4153648	504377	563638	270	270	4.25%	2204250	76	-12.64%	30689	0.00003447884768	0.000018297169	2	5	17	30	22	
7/6/2023	898	4154546	501737	563113	231	231	-14.44%	2204481	64	-15.79%	30753	0.00002903177664	0.0000150404812	0	2	18	20	24	
7/7/2023	831	4155377	498504	562502	217	217	10.94%	2204698	71	10.94%	30824	0.00003220395719	0.000017086296	0	9	13	29	20	
7/8/2023	788	4156165	494754	562035	230	230	5.99%	2204928	66	-7.04%	30890	0.00002993295019	0.000015880024	0	6	20	16	24	
7/9/2023	773	4156938	490400	561638	232	232	0.87%	2205160	63	-4.55%	30953	0.00002856935551	0.000015155386	0	6	15	20	21	
7/10/2023	641	4157579	485667	561151	185	185	-20.26%	2205345	94	49.21%	31047	0.00004262371647	0.000022609312	1	5	27	25	36	
7/11/2023	611	4158190	480029	560717	157	157	-15.14%	2205502	66	-29.79%	31113	0.0000299251599	0.000015872291	1	1	16	19	29	
7/12/2023	615	4158805	474633	560310	151	151	-3.82%	2205653	66	0.00%	31179	0.00002992311121	0.000015869943	1	4	13	25	23	
7/13/2023	558	4159363	468842	559855	137	137	-9.27%	2205790	82	24.24%	31261	0.00003717488972	0.000019714557	2	5	19	31	25	
7/14/2023	626	4159989	462661	559546	162	162	18.25%	2205952	61	-25.61%	31322	0.00002765246025	0.000014663500	1	5	11	31	13	
7/15/2023	578	4160567	455794	559298	161	161	-0.62%	2206113	63	3.28%	31385	0.00002855701408	0.000015142167	1	4	15	18	25	
7/16/2023	545	4161112	447700	559021	138	138	-14.29%	2206251	74	17.46%	31459	0.00003354106128	0.000017783708	3	7	12	27	25	
7/17/2023	475	4161587	439462	558825	119	119	-13.77%	2206370	73	-1.35%	31532	0.00003308601912	0.000017541385	1	7	17	28	20	
7/18/2023	464	4162051	430766	558671	109	109	-8.40%	2206479	54	-26.03%	31586	0.00002447338044	0.000012974372	0	0	14	18	22	
7/19/2023	498	4162549	421701	558549	131	131	20.18%	2206610	84	55.56%	31670	0.00003806744282	0.000020179943	1	8	22	30	23	
7/20/2023	447	4162996	413351	558352	90	90	-31.30%	2206700	61	-27.38%	31731	0.00002764308696	0.000014652909	0	1	14	31	15	
7/21/2023	471	4163467	404738	558200	112	112	24.44%	2206812	84	37.70%	31815	0.00003806395833	0.000020175493	1	2	12	37	32	
7/22/2023	459	4163926	396112	558018	108	108	-3.57%	2206920	62	-26.19%	31877	0.00002809345151	0.000014889794	0	3	15	17	18	
7/23/2023	426	4164352	387393	557824	107	107	-0.93%	2207027	74	19.35%	31951	0.00003352926811	0.000017769872	0	5	20	27	22	
7/24/2023	426	4164778	377952	557647	113	113	5.61%	2207140	79	6.76%	32030	0.00003579292659	0.000018968598	2	6	23	25	23	
7/25/2023	399	4165177	368035	557432	99	99	-12.39%	2207239	63	-20.25%	32093	0.00002854244602	0.000015125408	1	7	21	16	18	
7/26/2023	466	4165643	359174	557353	106	106	7.07%	2207345	73	15.87%	32166	0.00003307140479	0.000017524305	0	6	21	22	24	
7/27/2023	389	4166032	350233	557106	109	109	2.83%	2207454	76	4.11%	32242	0.0000344289035	0.000018242779	2	8	18	21	27	
7/28/2023	371	4166403	341250	556838	98	98	-10.09%	2207552	61	-19.74%	32303	0.00002763241817	0.000014640926	0	1	15	23	22	
7/29/2023	448	4166851	332459	556715	116	116	18.37%	2207668	72	18.03%	32375	0.00003261359951	0.000017279236	0	7	14	24	27	
7/30/2023	434	4167285	323793	556568	124	124	6.90%	2207792	88	22.22%	32463	0.00003985882728	0.000021116866	4	3	21	23	37	
7/31/2023	388	4167673	314538	556352	113	113	-8.87%	2207905	87	-1.14%	32550	0.00003940386928	0.000020874958	1	4	23	23	37	
8/1/2023	435	4168108	305275	556207	125	125	10.62%	2208030	68	-21.84%	32618	0.00003079668302	0.000016314357	0	3	16	22	27	
8/2/2023	387	4168495	296932	555961	87	87	-30.40%	2208117	75	10.29%	32693	0.0000339655915	0.000017992105	1	4	19	27	24	
8/3/2023	374	4168869	288115	555728	107	107	22.99%	2208224	82	9.33%	32775	0.00003713391395	0.000019669603	0	4	12	40	26	
8/4/2023	355	4169224	280127	555461	93	93	-13.08%	2208317	62	-24.39%	32837	0.0000280567935	0.000014870873	0	5	15	24	18	
8/5/2023	424	4169648	272444	555300	113	113	21.51%	2208430	62	0.00%	32899	0.00002807424279	0.000014869361	0	2	12	25	22	
8/6/2023	396	4170044	264776	555150	108	108	-4.42%	2208538	55	-11.29%	32954	0.00002490335235	0.000013189309	1	2	15	20	18	
8/7/2023	419	4170463	257060	555040	102	102	-5.56%	2208640	80	45.45%	33034	0.00003622138511	0.000019182522	1	5	22	21	31	
8/8/2023	416	4170879	249358	554970	98	98	-3.92%	2208738	70	-12.50%	33104	0.00003169230574	0.000016783033	1	3	18	22	26	
8/9/2023	402	4171281	242375	554887	114	114	16.33%	2208852	66	-5.71%	33170	0.00002987977465	0.000015822478	2	4	14	28	18	
8/10/2023	373	4171654	235476	554737	91	91	-20.18%	2208943	76	15.15%	33246	0.0000344055958	0.000018218194	1	5	20	30	19	
8/11/2023	410	4172064	228768	554681	126	126	38.46%	2209069	74	-2.63%	33320	0.00003349827461	0.000017737024	2	2	17	29	25	
8/12/2023	478	4172542	222406	554697	150	150	19.05%	2209219	71	-4.05%	33391	0.00003213805422	0.000017016006	0	8	17	27	29	
8/13/2023	425	4172967	216187	554690	117	117	-22.00%	2209336	68	-4.23%	33459	0.00003077847824	0.000016295360	2	3	14	27	22	
8/14/2023	492	4173459	209707	554770	135	135	15.38%	2209471	82	20.59%	33541	0.000037112956	0.000019647971	1	6	17	27	31	
8/15/2023	432	4173891	203277	554798	120	120	-11.11%	2209591	81	-1.22%	33622	0.000036658368	0.000019406352	0	3	19	28	31	
8/16/2023	496	4174387	197675	554884	158	158	31.67%	2209749	66	-18.52%	33688	0.0000298676456	0.000015810705	0	3	12	25	26	
8/17/2023	449	4174836	192217	554944	127	127	-19.62%	2209876	69	4.55%	33757	0.00003122347136	0.000016527595	2	5	11	29	22	
8/18/2023	482	4175318	187067	555056	136	136	7.09%	2210012	83	20.29%	33840	0.00003755635716	0.000019878725	2	4	19	29	29	
8/19/2023	517	4175835	182211	555233	155	155	13.97%	2210167	58	-30.12%	33898	0.00002624236087	0.00001389438	0	5	13	22	18	
8/20/2023	497	4176332	177333	555381	141	141	-9.03%	2210308	76	31.03%	33974	0.00003438434824	0.000018197787	0	4	17	31	24	
8/21/2023	530	4176862	172558	555593	151	151	7.09%	2210459	88	15.79%	34062	0.00003981073614	0.000021068448	1	7	20	33	27	
8/22/2023	521	4177383	167700	555790	165	165	9.27%	2210624	80	-9.09%	34142	0.00003618887699	0.000019150746	1	5	14	31	29	
8/23/2023	525	4177908	163338	556020	153	153	-7.27%	2210777	85	6.25%	34227	0.00003844802076	0.000020345111	0	7	18	24	36	
8/24/2023	483	4178391	159061	556185	156	156	1.96%	2210933	64	-24.71%	34291	0.00002894705538	0.000015316901	0	7	19	22	16	
8/25/2023	493	4178884	154875	556358	147	147	-5.77%	2211080	73	14.06%	34364	0.00003301553992	0.000017468779	2	3	14	26	28	
8/26/2023	529	4179413	150966	556564	172	172	17.01%	2211252	63	-13.70%	34427	0.00002849064693	0.000015073887	0	5	11	25	22	
8/27/2023	545	4179958	147150	556836	160	160	-6.98%	2211412	65	3.17%	34492	0.0000293929512	0.000015550395	3	3	20	17	22	
8/28/2023	515	4180473	143240	557082	159	159	-0.62%	2211571	76	16.92%	34568	0.00003436471178	0.000018179761	2	4	10	31	29	
8/29/2023	470	4180943	139275	557286	161	161	1.26%	2211732	68	-10.53%	34636	0.00003074513549	0.000016264273	1	2	19	24	22	
8/30/2023	481	4181424	13566																

date	doses	doses_cumulative	doses_last100d	doses_last200d	new_mrn (day)	growth_mrn (cumulative)	Dead (day)	Dead (day) growth	Dead (cumulative)	Dead_day / mrn_cum.	Dead_day / doses_cumulative	Dead_d1	Dead_d2	Dead_d3	Dead_d4	Dead_d5plus	Rest in peace
9/13/2023	401	4187379	92741	560154	144	15.20%	2213818	69	15.00%	35786	0.00003116787378	0.000016478088	2	2	22	28	15
9/14/2023	398	4187777	90357	560306	136	-5.56%	2213954	73	5.80%	35859	0.00003297268146	0.000017431683	0	2	18	23	30
9/15/2023	352	4188129	87922	560383	111	-18.38%	2214065	63	-13.70%	35922	0.00002845444917	0.0000165042517	1	2	11	21	28
9/16/2023	354	4188483	85589	560498	100	-9.91%	2214165	64	-1.59%	35986	0.00002890480158	0.000015279995	1	3	18	21	21
9/17/2023	336	4188819	83298	560582	91	-9.00%	2214256	57	-10.94%	36043	0.00002574228093	0.000013607654	0	5	8	21	23
9/18/2023	364	4189183	81078	560684	127	39.56%	2214383	87	52.63%	36130	0.00003928859642	0.000020767773	2	1	12	36	36
9/19/2023	330	4189513	78711	560716	116	-8.66%	2214499	74	-14.94%	36204	0.00003341613811	0.000017663151	0	6	15	17	36
9/20/2023	345	4189858	76581	560802	106	-8.62%	2214605	88	18.92%	36292	0.00003973620578	0.000021003098	1	8	11	32	36
9/21/2023	349	4190207	74542	560818	111	4.72%	2214716	91	3.41%	36383	0.00004108878971	0.000021717304	2	6	23	26	34
9/22/2023	335	4190542	72474	560822	104	-6.31%	2214820	57	-37.36%	36440	0.0000257357257	0.000013602059	3	3	10	20	21
9/23/2023	316	4190858	70506	560855	104	0.00%	2214924	57	0.00%	36497	0.0000257345173	0.000013601033	0	2	11	19	25
9/24/2023	290	4191148	68528	560821	85	-18.27%	2215009	69	21.05%	36566	0.00003115111496	0.000016463270	1	5	16	21	26
9/25/2023	252	4191400	66445	560744	84	-1.18%	2215093	56	-18.84%	36622	0.00002528110558	0.000013360691	0	7	13	20	16
9/26/2023	219	4191619	64334	560663	70	-16.67%	2215163	61	8.93%	36683	0.00002753747693	0.000014552849	1	4	11	25	20
9/27/2023	237	4191856	62482	560560	83	18.57%	2215246	69	13.11%	36752	0.00003114778223	0.000016460489	0	6	17	23	23
9/28/2023	229	4192085	60652	560395	63	-24.10%	2215309	52	-24.64%	36804	0.0000234730234	0.000012404329	2	2	12	16	20
9/29/2023	213	4192298	58911	560255	74	17.46%	2215383	50	-3.85%	36854	0.0000225694609	0.000011926633	0	1	17	10	22
9/30/2023	173	4192471	57149	560047	53	-28.38%	2215436	56	12.00%	36910	0.00002527719149	0.000013357278	0	1	12	16	27
10/1/2023	175	4192646	55426	559870	42	-20.75%	2215478	33	-41.07%	36943	0.00001489520546	0.000007870924	0	2	6	12	13
10/2/2023	135	4192781	53672	559625	41	-2.38%	2215519	64	93.94%	37007	0.0000288871366	0.000015264332	1	4	10	21	28
10/3/2023	135	4192916	51984	559321	48	17.07%	2215567	40	-37.50%	37047	0.00001805406923	0.000009539900	2	1	11	16	10
10/4/2023	104	4193020	50479	558916	29	-39.58%	2215596	33	-17.50%	37080	0.00001489441216	0.000007870222	0	2	4	14	13
10/5/2023	96	4193116	49097	558425	29	0.00%	2215625	28	-15.15%	37108	0.00001263751763	0.000006677612	0	1	6	11	10
10/6/2023	70	4193186	47788	557822	22	-24.14%	2215647	20	-25.57%	37128	0.000009026708677	0.000004769643	0	1	7	7	5
10/7/2023	64	4193250	46458	557057	24	9.09%	2215671	35	75.00%	37163	0.00001579659008	0.000008346748	1	1	8	10	15
10/8/2023	42	4193292	45250	556200	17	-29.17%	2215688	34	-2.86%	37197	0.00001534512079	0.000008108188	1	2	6	12	13
10/9/2023	43	4193335	44010	555037	9	-47.06%	2215697	25	-26.47%	37222	0.00001128313122	0.000005961842	1	1	5	9	9
10/10/2023	23	4193358	42764	553541	10	11.11%	2215707	19	-24.00%	37241	0.000008575141027	0.000004530975	0	1	4	7	7
10/11/2023	23	4193381	41702	551840	10	0.00%	2215717	14	-26.32%	37255	0.000006318496451	0.000003338595	0	2	3	6	3
10/12/2023	15	4193396	40710	549724	4	-60.00%	2215721	19	35.71%	37274	0.000008575086845	0.000004530934	0	1	7	5	6
10/13/2023	14	4193410	39762	547071	0	-100.00%	2215721	10	-47.37%	37284	0.000004513203603	0.000002384694	0	0	2	3	5
10/14/2023	8	4193418	38872	544147	2	0.00%	2215723	8	-20.00%	37292	0.000003610559623	0.000001907752	0	1	2	2	3
10/15/2023	6	4193424	38047	540615	3	50.00%	2215726	7	-12.50%	37299	0.000003159235393	0.000001669280	0	1	2	2	2
10/16/2023	6	4193430	37265	536557	1	-66.67%	2215727	3	-57.14%	37302	0.000001353957414	0.000000715405	0	0	0	2	1
10/17/2023	4	4193434	36496	532023	0	-100.00%	2215727	1	-66.67%	37303	0.0000004513191381	0.000000238468	0	0	0	1	0
10/18/2023	2	4193436	35857	526898	0	0.00%	2215727	2	100.00%	37305	0.0000009026382763	0.000000476936	0	0	0	2	0
10/19/2023	1	4193437	35247	521525	1	0.00%	2215728	1	-50.00%	37306	0.0000004513189345	0.000000238468	0	0	0	0	1
10/20/2023	1	4193438	34833	515277	1	0.00%	2215729	2	100.00%	37308	0.0000009026374615	0.000000476936	0	0	0	2	0
10/21/2023	0	4193438	34075	509286	0	-100.00%	2215729	1	-50.00%	37309	0.0000004513187308	0.000000238468	0	0	0	1	0
10/22/2023	0	4193438	33449	502917	0	0.00%	2215729	1	0.00%	37310	0.0000004513187308	0.000000238468	0	0	1	0	0
10/23/2023	0	4193438	32871	496110	0	0.00%	2215729	1	0.00%	37311	0.0000004513187308	0.000000238468	0	0	0	0	1
10/25/2023	0	4193438	32326	488665	0	0.00%	2215729	2	100.00%	37313	0.0000009026374615	0.000000476936	0	0	0	1	1
10/26/2023	0	4193438	31851	480026	0	0.00%	2215729	1	-50.00%	37314	0.0000004513187308	0.000000238468	0	0	0	1	0
10/27/2023	0	4193438	31387	471313	0	0.00%	2215729	1	0.00%	37315	0.0000004513187308	0.000000238468	0	0	0	1	0