

Ohio Covid-19 Statistics Notes

9/24/2020

1. These statistics are gathered from the Ohio Coronavirus Site (<https://coronavirus.ohio.gov>) on a daily basis. These statistics are generally updated at 2:00 PM local time. Sometimes the updates are delayed. Be assured that I will post them as soon as they are available
2. Although there are statistics for the 'CDC Expanded' definitions now, this was not always the case. As a result the Ohio confirmed cases and deaths numbers are used as they are available across the entire reporting period. Also note that these are CONFIRMED cases and certainly do not come close to reflecting all cases. Many cases exhibit no or very mild symptoms and may therefore go unreported.
3. This data is provided on a best effort basis and there are no guarantees. I do try to make sure everything looks correct but there are times when I get something wrong.
4. The first chart, showing a graphic of cases, hospitalizations, and deaths, changes vertical scale range (dates) about every two weeks. This keeps a range of 2-1/2 months visible and helps give a better range of data for the trend lines.
5. Note that the second two charts are log-log scale. If you are not familiar with this style of chart it may seem a bit confusing. The big advantage for this type of chart is that when the statistics are falling off to zero you will see a sharp downturn of the chart at the right side. This is the desired state of things and when it happens we can all cheer for the end of this thing.
6. More, and interesting, information can be found at the following web sites:

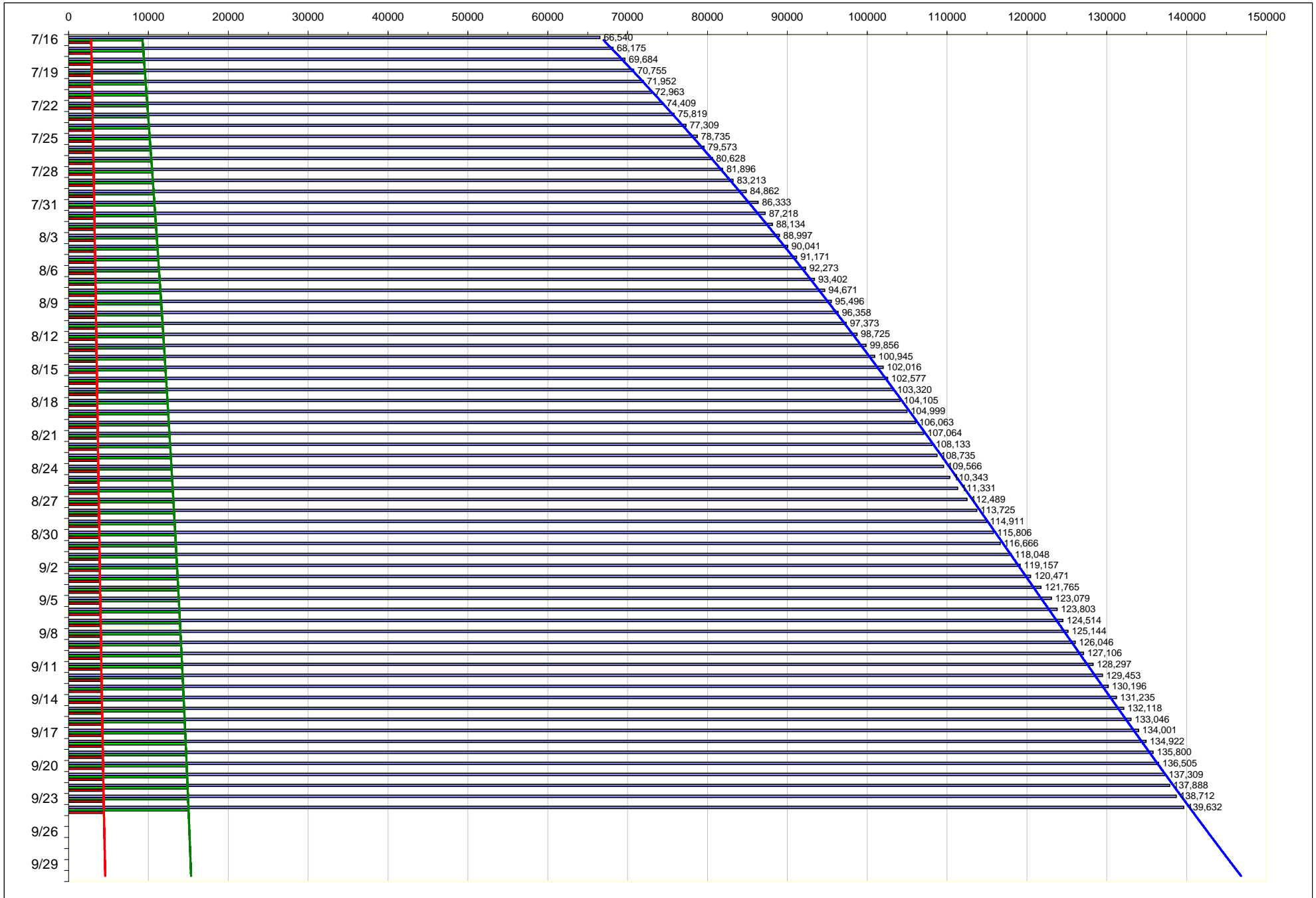
<https://rt.live/>

<https://www.worldometers.info/coronavirus/#countries>

<https://covid19.healthdata.org/united-states-of-america?view=total-deaths&tab=trend>

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9/24/2020

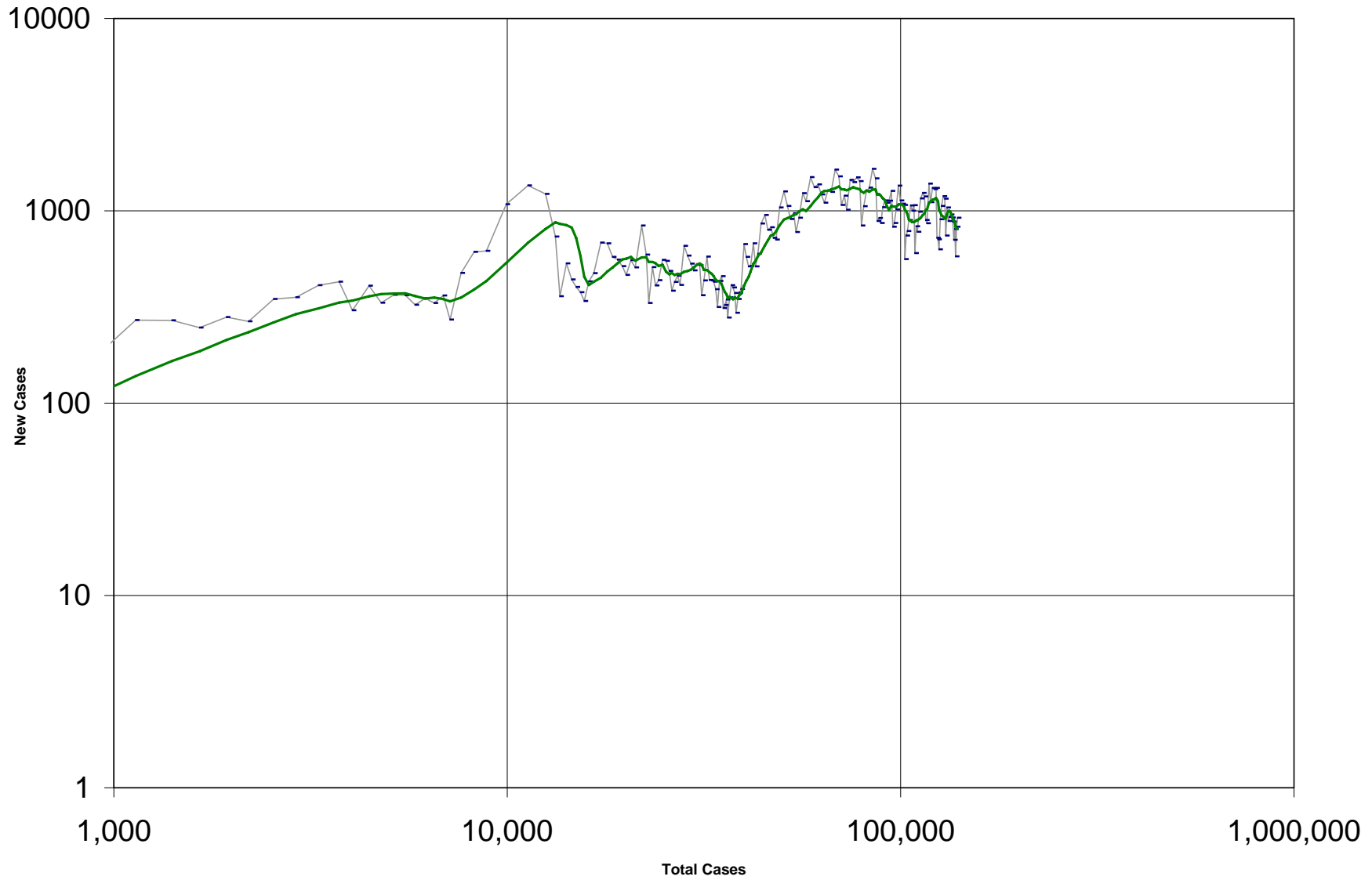


More on Next Page

Deaths Hospitalizations Cases

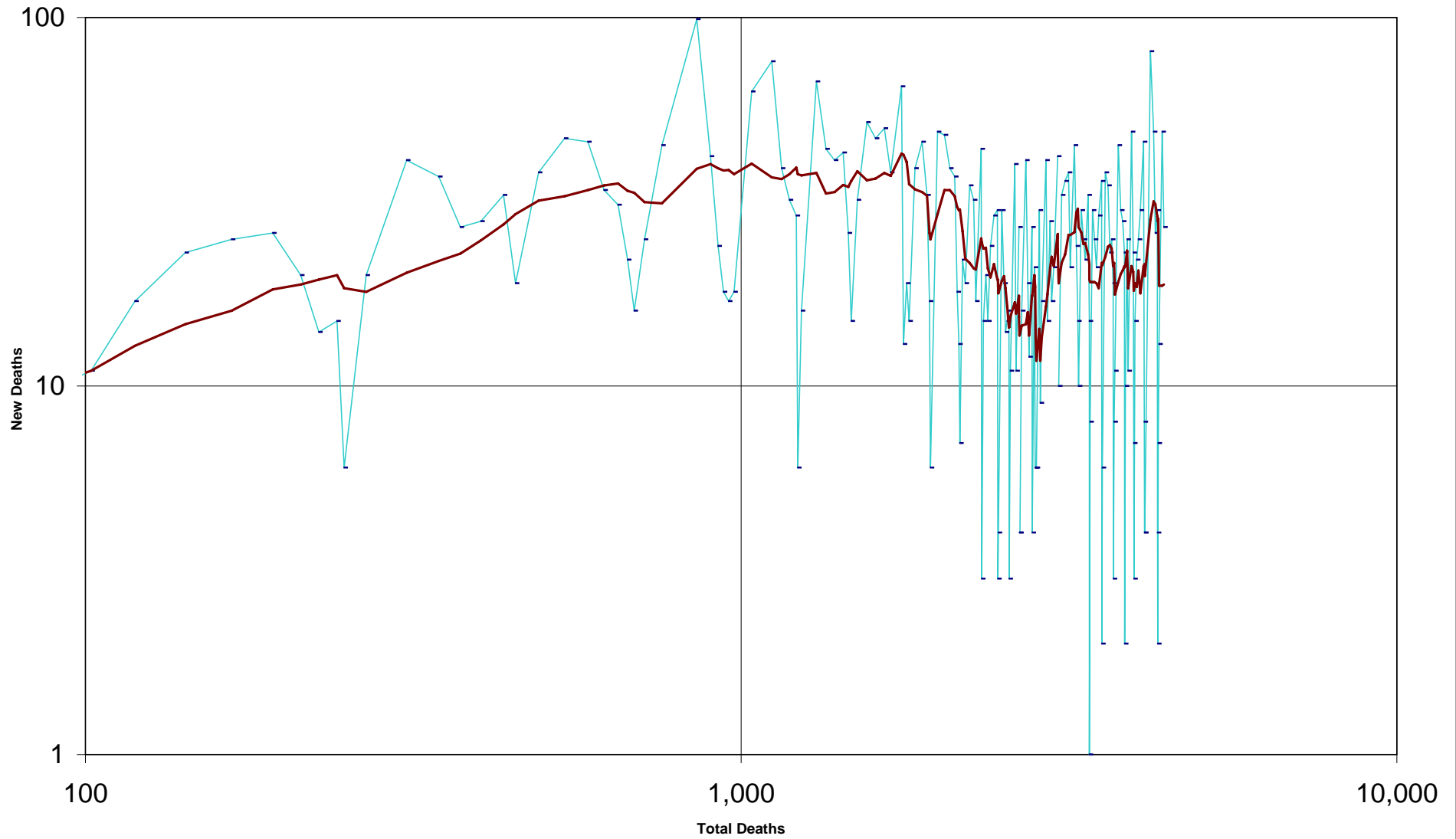
All trend lines are third order polynomials which can take a negative turn (usually Cases). This is not actually possible for this data.

New Cases vs. Total Cases



Note: Both scales are logarithmic. When you see the right side of the plot (trend line) start to drop towards zero you will know that things are getting better. The trend line is a 7 day moving average. Thanks to minutephysics on YouTube for suggesting the format of this plot.

New Deaths vs. Total Deaths

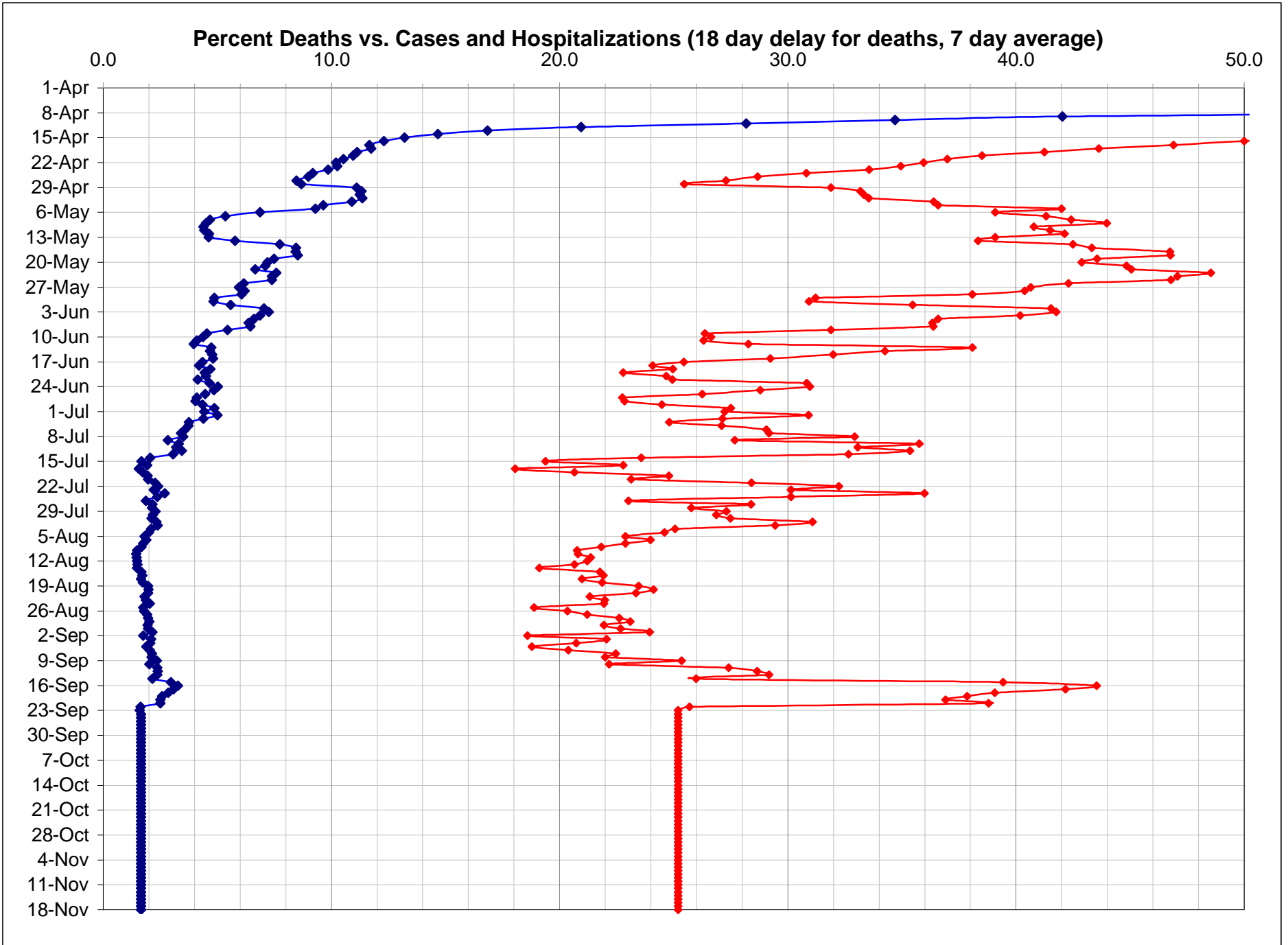


Trend Line is a 7 day moving average

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9/24/2020

03/13/20	13	0	0				05/15/20	25349	549	1431	43	4791	73	07/17/20	68175	1635	2858	9	9445	121	09/18/20	134922	921	4312	30	14687	62
03/14/20	26	13	0				05/16/20	25836	487	1457	26	4870	79	07/18/20	69684	1509	2875	17	9513	68	09/19/20	135800	878	4316	4	14750	63
03/15/20	37	11	0				05/17/20	26220	384	1472	15	4921	51	07/19/20	70755	1071	2916	41	9555	42	09/20/20	136505	705	4318	2	14773	23
03/16/20	50	13	0		14	14	05/18/20	26646	426	1504	32	4998	77	07/20/20	71952	1197	2931	15	9610	55	09/21/20	137309	804	4325	7	14829	56
03/17/20	67	17	0		17	3	05/19/20	27106	460	1556	52	5117	119	07/21/20	72963	1011	2959	28	9736	126	09/22/20	137888	579	4338	13	14899	70
03/18/20	88	21	0		26	9	05/20/20	27517	411	1603	47	5198	81	07/22/20	74409	1446	2976	17	9864	128	09/23/20	138712	824	4387	49	14997	98
03/19/20	119	31	0		33	7	05/21/20	28174	657	1653	50	5295	97	07/23/20	75819	1410	2997	21	9968	104	09/24/20	139632	920	4414	27	15051	54
03/20/20	169	50	1	1	39	6	05/22/20	28758	584	1691	38	5379	84	07/24/20	77309	1490	3039	42	10072	104	09/25/20						
03/21/20	247	78	3	2	58	19	05/23/20	29288	530	1756	65	5437	58	07/25/20	78735	1426	3039	0	10145	73	09/26/20						
03/22/20	351	104	3	0	83	25	05/24/20	29777	489	1769	13	5476	39	07/26/20	79573	838	3049	10	10199	54	09/27/20						
03/23/20	442	91	6	3	104	21	05/25/20	30305	528	1788	19	5511	35	07/27/20	80628	1055	3082	33	10285	86	09/28/20						
03/24/20	564	122	8	2	145	41	05/26/20	30827	522	1803	15	5579	68	07/28/20	81896	1268	3118	36	10425	140	09/29/20						
03/25/20	704	140	10	2	182	37	05/27/20	31191	364	1842	39	5700	121	07/29/20	83213	1317	3156	38	10553	128	09/30/20						
03/26/20	867	163	15	5	223	41	05/28/20	31625	434	1888	46	5811	111	07/30/20	84862	1649	3177	21	10678	125	10/01/20						
03/27/20	1137	270	19	4	276	53	05/29/20	32202	577	1921	33	5947	136	07/31/20	86333	1471	3222	45	10790	112	10/02/20						
03/28/20	1406	269	25	6	344	68	05/30/20	32639	437	1938	17	6011	64	08/01/20	87218	885	3246	24	10857	67	10/03/20						
03/29/20	1653	247	29	4	403	59	05/31/20	33073	434	1944	6	6049	38	08/02/20	88134	916	3261	15	10900	43	10/04/20						
03/30/20	1933	280	39	10	475	72	06/01/20	33501	428	1993	49	6112	63	08/03/20	88997	863	3271	10	10992	92	10/05/20						
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04/01/20	2547	348	65	10	679	94	06/03/20	34208	316	2080	39	6251	75	08/05/20	91171	1130	3326	25	11231	112	10/07/20						
04/02/20	2902	355	81	16	802	123	06/04/20	34639	431	2117	37	6312	61	08/06/20	92273	1102	3348	22	11366	135	10/08/20						
04/03/20	3312	410	91	10	895	93	06/05/20	35096	457	2135	18	6385	73	08/07/20	93402	1129	3381	33	11447	81	10/09/20						
04/04/20	3739	427	102	11	1006	111	06/06/20	35408	312	2148	13	6460	75	08/08/20	94671	1269	3396	15	11516	69	10/10/20						
04/05/20	4043	304	119	17	1104	98	06/07/20	35731	323	2155	7	6497	37	08/09/20	95496	825	3397	1	11565	49	10/11/20						
04/06/20	4450	407	142	23	1214	110	06/08/20	36077	346	2177	22	6550	53	08/10/20	96358	862	3405	8	11629	64	10/12/20						
04/07/20	4782	332	167	25	1354	140	06/09/20	36355	278	2196	19	6620	70	08/11/20	97373	1015	3435	30	11760	131	10/13/20						
04/08/20	5148	366	193	26	1495	141	06/10/20	36710	355	2231	35	6693	73	08/12/20	98725	1352	3460	25	11901	141	10/14/20						
04/09/20	5512	364	213	20	1612	117	06/11/20	37120	410	2263	32	6753	60	08/13/20	99856	1131	3481	21	12023	122	10/15/20						
04/10/20	5836	324	227	14	1755	143	06/12/20	37519	399	2280	17	6814	61	08/14/20	100945	1089	3510	29	12128	105	10/16/20						
04/11/20	6187	351	242	15	1859	104	06/13/20	37893	374	2324	44	6864	50	08/15/20	102016	1071	3546	36	12210	82	10/17/20						
04/12/20	6518	331	248	6	1948	89	06/14/20	38188	295	2327	3	6895	31	08/16/20	102577	561	3548	2	12236	26	10/18/20						
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04/17/20	8858	619	401	28	2424	93	06/19/20	40549	576	2430	29	7167	63	08/21/20	107064	1001	3675	25	12719	104	10/23/20						
04/18/20	9939	1081	434	33	2519	95	06/20/20	41062	513	2460	30	7201	34	08/22/20	108133	1069	3694	19	12778	59	10/24/20						
04/19/20	11292	1353	453	19	2565	46	06/21/20	41578	516	2463	3	7242	41	08/23/20	108735	602	3697	3	12800	22	10/25/20						
04/20/20	12516	1224	491	38	2653	88	06/22/20	42254	676	2467	4	7292	50	08/24/20	109566	831	3705	8	12859	59	10/26/20						
04/21/20	13250	734	538	47	2779	126	06/23/20	42767	513	2497	30	7379	87	08/25/20	110343	777	3716	11	12956	97	10/27/20						
04/22/20	13609	359	584	46	2882	103	06/24/20	43363	596	2516	19	7447	68	08/26/20	111331	988	3761	45	13043	87	10/28/20						
04/23/20	14142	533	618	34	2960	78	06/25/20	44221	858	2530	14	7502	55	08/27/20	112489	1158	3791	30	13150	107	10/29/20						
04/24/20	14581	439	649	31	3053	93	06/26/20	45172	951	2545	15	7570	68	08/28/20	113725	1236	3819	28	13221	71	10/30/20						
04/25/20	14983	402	671	22	3115	62	06/27/20	45969	797	2561	16	7624	54	08/29/20	114911	1186	3842	23	13288	67	10/31/20						
04/26/20	15360	377	687	16	3178	63	06/28/20	46790	821	2564	3	7681	57	08/30/20	115806	895	3844	2	13317	29	11/01/20						
04/27/20	15699	339	712	25	3232	54	06/29/20	47514	724	2575	11	7746	65	08/31/20	116666	860	3854	10	13376	59	11/02/20						
04/28/20	16128	429	757	45	3340	108	06/30/20	48222	708	2615	40	7839	93	09/01/20	118048	1382	3879	25	13479	103	11/03/20						
04/29/20	16601	473	856	99	3421	81	07/01/20	49263	1041	2626	11	7911	72	09/02/20	119157	1109	3890	11	13574	95	11/04/20						
04/30/20	17285	684	898	42	3533	112	07/02/20	50523	1260	2653	27	8038	127	09/03/20	120471	1314	3939	49	13663	89	11/05/20						
05/01/20	17962	677	922	24	3634	101	07/03/20	51581	1058	2653	0	8084	46	09/04/20	121765	1294	3962	23	13731	68	11/06/20						
05/02/20	18537	575	940	18	3712	78	07/04/20	52488	907	2657	4	8111	27	09/05/20	123079	1314	3969	7	13808	77	11/07/20						
05/03/20	19094	557	957	17	3769	57	07/05/20	53458	970	2661	4	8172	61	09/06/20	123803	724	3972	3	13841	33	11/08/20						
05/04/20	19609	515	975	18	3809	40	07/06/20	54232	774	2677	16	8249	77	09/07/20	124514	711	39										



% Deaths per Case

% Deaths per Hospitalization