

## TORONTO COVID CASES

Test Date	Toronto Cases	Low	High	Outliers	Range	Limit	Outliers	notes	Comments / CAP
20-Dec	486	OK	OK						first vaccine dec 14 - pfizer
21-Dec	611	OK	OK			Failed	125	increase	
22-Dec	636	OK	OK		25	OK			
23-Dec	629	OK	OK		7	OK			Moderna vaccine approved
24-Dec	646	OK	OK		17	OK			
25-Dec	616	OK	OK		30	OK			
26-Dec	541	OK	OK		75	OK			Christmas day
27-Dec	572	OK	OK		31	OK			
28-Dec	412	OK	OK			Failed	160	dropped	
29-Dec	895	OK	OK			Failed	483	increase	C: Vaccine A: N/A P: N/A
30-Dec	998	OK	OK			Failed	103	increase	C: Christmas Day A: Shut down P: vaccine
31-Dec	888	OK	OK			Failed	110	increase	C: Christmas Day A: Shut down P: vaccine
1-Jan	499	OK	OK			Failed	389	dropped	C: Vaccine A: N/A P: N/A
2-Jan	700	OK	OK			Failed	201	increase	New Years Day C: Vaccine A: N/A P: N/A
3-Jan	786	OK	OK		86	OK			C: Christmas Day A: Shut down P: vaccine
4-Jan	917	OK	OK			Failed	131	increase	New Years Day C: Vaccine A: N/A P: N/A
5-Jan	778	OK	OK			Failed	139	dropped	
6-Jan	805	OK	OK		27	OK			
7-Jan	891	OK	OK		86	OK			C: Vaccine A: N/A P: N/A
8-Jan	1382	OK	OK			Failed	491	increase	C: New Years Day A: Shut down P: vaccine
9-Jan	1070	OK	OK			Failed	312	dropped	C: Vaccine A: N/A P: N/A
10-Jan	1160	OK	OK			Failed	90	increased	C: New Years Day A: Shut down P: vaccine
11-Jan	931	OK	OK			Failed	229	dropped	C: Vaccine A: N/A P: N/A
12-Jan	837	OK	OK			Failed	94	dropped	C: Vaccine A: N/A P: N/A
13-Jan	738	OK	OK			Failed	99	dropped	C: Vaccine A: N/A P: N/A
14-Jan	968	OK	OK			Failed	230	increase	C: Vaccine A: N/A P: N/A
15-Jan	800	OK	OK			Failed	168	dropped	C: New Years Day A: Shut down P: vaccine
16-Jan	903	OK	OK			Failed	103	increase	C: Vaccine A: N/A P: N/A
17-Jan	1035	OK	OK			Failed	132	increase	C: New Years Day A: Shut down P: vaccine
18-Jan	815	OK	OK			Failed	220	dropped	C: Vaccine A: N/A P: N/A
19-Jan	550	OK	OK			Failed	265	dropped	C: Vaccine A: N/A P: N/A
20-Jan	925	OK	OK			Failed	375	increase	C: Vaccine A: N/A P: N/A
21-Jan	897	OK	OK		28	OK			C: count issues A: N/A P: N/A
22-Jan	779	OK	OK			Failed	118	dropped	TORONTO ISSUES 102 CASES ADDED
23-Jan	708	OK	OK		71	OK			C: Vaccine A: N/A P: N/A
24-Jan	785	OK	OK		77	OK			
25-Jan	727	OK	OK		58	OK			

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26-Jan	677	OK	OK		50	OK			
27-Jan	450	OK	OK			Failed	227	dropped	C: Vaccine A: N/A P: N/A
28-Jan	700	OK	OK			Failed	250	increase	C: count issuesA: N/A P: N/A
29-Jan	595	OK	OK			Failed	105	dropped	C: Vaccine A: N/A P: N/A
30-Jan	713	OK	OK			Failed	118	increase	
31-Jan	726	OK	OK		13	OK			
1-Feb	886	OK	OK			Failed	160	increased	C: ISSUES 300 CASES ADDED
2-Feb	-119	OK	OK			Failed	1005	dropped	C: Vaccine A: N/A P: N/A+J30
3-Feb	444	OK	OK			Failed	563	increase	C: count issuesA: N/A P: N/A
4-Feb	584	OK	OK			Failed	140	dropped	C: Vaccine A: N/A P: N/A
5-Feb	667	OK	OK		83	OK			
6-Feb	455	OK	OK			Failed	212	dropped	C: Vaccine A: N/A P: N/A
7-Feb	517	OK	OK		62	OK			
8-Feb	421	OK	OK			Failed	96	dropped	C: Vaccine A: N/A P: N/A
9-Feb	343	OK	OK		78	OK			
10-Feb	393	OK	OK		50	OK			
11-Feb	112	OK	OK			Failed	281	increase	
12-Feb	361	OK	OK			Failed	249	increase	
13-Feb	433	OK	OK		72	OK			
14-Feb	122	OK	OK			Failed	311	dropped	C: Vaccine A: N/A P: N/A
15-Feb	251	OK	OK			Failed	129	increase	C: Family Day A: Shut down P: vaccine
16-Feb	320	OK	OK		69	OK			
17-Feb	257	OK	OK		63	OK			
18-Feb	372	OK	OK			Failed	115	increase	C: Family Day A: Shut down P: vaccine
19-Feb	376	OK	OK		4	OK			
20-Feb	331	OK	OK		45	OK			
21-Feb	344	OK	OK		13	OK			
22-Feb	325	OK	OK		19	OK			
23-Feb	343	OK	OK		18	OK			
24-Feb	363	OK	OK		20	OK			
25-Feb	339	OK	OK		24	OK			
26-Feb	362	OK	OK		23	OK			Astra Zeneca approved
27-Feb	331	OK	OK		31	OK			
28-Feb	259	OK	OK		72	OK			
1-Mar	280	OK	OK		21	OK			
2-Mar	253	OK	OK		27	OK			
3-Mar	249	OK	OK		4	OK			
4-Mar	298	OK	OK		49	OK			

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5-Mar	337	OK	OK		39	OK			
6-Mar	284	OK	OK		53	OK			
7-Mar	329	OK	OK		45	OK			
8-Mar	568	OK	OK			Failed	239	increase	
9-Mar	343	OK	OK			Failed	225	dropped	C: Vaccine A: N/A P: N/A
10-Mar	428	OK	OK		85	OK			
11-Mar	293	OK	OK			Failed	135	dropped	C: Vaccine A: N/A P: N/A
12-Mar	371	OK	OK		78	OK			
13-Mar	388	OK	OK		17	OK			
14-Mar	545	OK	OK			Failed	157	dropped	C: Vaccine A: N/A P: N/A
15-Mar	366	OK	OK			Failed	179	dropped	C: Vaccine A: N/A P: N/A
16-Mar	313	OK	OK		53	OK			
17-Mar	542	OK	OK			Failed	229	increase	
18-Mar	404	OK	OK			Failed	138	dropped	C: Vaccine A: N/A P: N/A
19-Mar	478	OK	OK		74	OK			
20-Mar	593	OK	OK			Failed	115	dropped	C: Vaccine A: N/A P: N/A
21-Mar	495	OK	OK			Failed	98	dropped	C: Vaccine A: N/A P: N/A
22-Mar	500	OK	OK		5	OK			
23-Mar	465	OK	OK		35	OK			
24-Mar	459	OK	OK		6	OK			
25-Mar	1016	OK	OK			Failed	557	increase	
26-Mar	682	OK	OK			Failed	334	dropped	C: Vaccine A: N/A P: N/A
27-Mar	814	OK	OK			Failed	132	increase	
28-Mar	780	OK	OK		34	OK			
29-Mar	618	OK	OK			Failed	162	dropped	C: Vaccine A: N/A P: N/A
30-Mar	727	OK	OK			Failed	109	increase	
31-Mar	785	OK	OK		58	OK			
1-Apr	743	OK	OK		42	OK			shut down starts
2-Apr	1052	OK	OK			Failed	309	increase	Good friday
3-Apr	954	OK	OK			Failed	98	dropped	C: Vaccine A: N/A P: N/A
4-Apr	847	OK	OK			Failed	107	dropped	Easter Sunday C: Vaccine A: N/A P: N/A
5-Apr	906	OK	OK		59	OK			
6-Apr	955	OK	OK		49	OK			
7-Apr	1095	OK	OK			Failed	140	increase	C: Easter Weekend A: shut down P: vaccine
8-Apr	933	OK	OK			Failed	162	dropped	C: Vaccine A: N/A P: N/A
9-Apr	1218	OK	OK			Failed	285	dropped	C: Vaccine A: N/A P: N/A
10-Apr	973	OK	OK			Failed	245	increase	C: Easter Weekend A: shut down P: vaccine
11-Apr	1353	OK	OK			Failed	380	increase	shut down extended

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12-Apr	1282	OK	OK		71	OK			
13-Apr	1016	OK	OK			Failed	266	dropped	C: Vaccine A: N/A P: N/A
14-Apr	1254	OK	OK			Failed	238	increase	C: Easter Weekend A: shut down P: vaccine
15-Apr	1188	OK	OK		66	OK			
16-Apr	1469	OK	OK	apex		Failed	281	increase	C: Easter Weekend A: shut down P: vaccine
17-Apr	1162	OK	OK			Failed	307	dropped	C: Vaccine A: N/A P: N/A
18-Apr	1392	OK	OK			Failed	230	increase	C: Easter Weekend A: shut down P: vaccine
19-Apr	1299	OK	OK			Failed	93	dropped	C: Vaccine A: N/A P: N/A
20-Apr	1074	OK	OK			Failed	225	dropped	vaccine 40+ C: Vaccine A: N/A P: N/A
21-Apr	1249	OK	OK			Failed	175	increase	C: Easter Weekend A: shut down P: vaccine
22-Apr	1131	OK	OK			Failed	118	dropped	C: Vaccine A: N/A P: N/A
23-Apr	1257	OK	OK			Failed	126	increase	C: Easter Weekend A: shut down P: vaccine
24-Apr	1191	OK	OK		66	OK			section order 22
25-Apr	1136	OK	OK		55	OK			
26-Apr	1015	OK	OK			Failed	121	dropped	C: Vaccine A: N/A P: N/A
27-Apr	1044	OK	OK		29	OK			
28-Apr	961	OK	OK		83	OK			
29-Apr	1172	OK	OK			Failed	211	increase	
30-Apr	1331	OK	OK			Failed	159	increase	
1-May	1050	OK	OK			Failed	281	dropped	C: Vaccine A: N/A P: N/A
2-May	1198	OK	OK			Failed	148	increased	
3-May	985	OK	OK			Failed	213	dropped	C: Vaccine A: N/A P: N/A
4-May	931	OK	OK		54	OK			
5-May	924	OK	OK		7	OK			
6-May	958	OK	OK		34	OK			
7-May	876	OK	OK		82	OK			
8-May	684	OK	OK			Failed	192	dropped	C: Vaccine A: N/A P: N/A
9-May	903	OK	OK			Failed	219	increase	
10-May	807	OK	OK			Failed	96	dropped	C: Vaccine A: N/A P: N/A
11-May	685	OK	OK			Failed	122	dropped	C: Vaccine A: N/A P: N/A
12-May	712	OK	OK		27	OK			
13-May	774	OK	OK		62	OK			
14-May	691	OK	OK		83	OK			
15-May	689	OK	OK		2	OK			
16-May	633	OK	OK		56	OK			36 hour vaccine clinic peel
17-May	566	OK	OK		67	OK			
18-May	472	OK	OK			Failed	94	dropped	C: Vaccine A: N/A P: N/A
19-May	524	OK	OK		52	OK			

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20-May	607	OK	OK		83	OK			shut down extended to June 2nd
21-May	469	OK	OK			Failed	138	dropped	outdoor reopening May 22nd
22-May	416	OK	OK		53	OK			
23-May	455	OK	OK		39	OK			
24-May	387	OK	OK		68	OK			Victoria Day Long weekend
25-May	325	OK	OK		62	OK			
26-May	257	OK	OK		68	OK			
27-May	316	OK	OK		59	OK			
28-May	269	OK	OK		47	OK			
29-May	228	OK	OK		41	OK			
30-May	237	OK	OK		9	OK			
31-May	226	OK	OK		11	OK			
1-Jun	207	OK	OK		19	OK			
2-Jun	173	OK	OK		34	OK			
3-Jun	225	OK	OK		52	OK			
4-Jun	214	OK	OK		11	OK			
5-Jun	181	OK	OK		33	OK			
6-Jun	115	OK	OK		66	OK			
7-Jun	114	OK	OK		1	OK			
8-Jun	182	OK	OK		68	OK			
9-Jun	97	OK	OK		85	OK			
10-Jun	114	OK	OK		17	OK			
11-Jun	109	OK	OK		5	OK			stage 1 reopening
12-Jun	89	OK	OK		20	OK			
13-Jun	102	OK	OK		13	OK			
14-Jun	110	OK	OK		8	OK			
15-Jun	60	OK	OK		50	OK			
16-Jun	54	OK	OK		6	OK			
17-Jun	67	OK	OK		13	OK			
18-Jun	50	OK	OK		17	OK			
19-Jun	58	OK	OK		8	OK			
20-Jun	45	OK	OK		13	OK			
21-Jun	47	OK	OK		2	OK			*80 cases from prev mos
22-Jun	123	OK	OK		76	OK			
23-Jun	57	OK	OK		66	OK			
24-Jun	35	OK	OK		22	OK			
25-Jun	36	OK	OK		1	OK			
26-Jun	64	OK	OK		28	OK			

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27-Jun	42	OK	OK		22	OK			
28-Jun	37	OK	OK		5	OK			
29-Jun	130	OK	OK			Failed	93	increased	90 cases prev period
30-Jun	17	OK	OK			Failed	113	dropped	Stage 2 starts C: Vaccine A: N/A P: N/A
1-Jul	41	OK	OK		24	OK			Canada day long weekend
2-Jul	23	OK	OK		18	OK			
3-Jul	20	OK	OK		3	OK			
4-Jul	42	OK	OK		22	OK			
5-Jul	27	OK	OK		15	OK			
6-Jul	112	OK	OK		85	OK			80 cases prev period
7-Jul	35	OK	OK		77	OK			
8-Jul	18	OK	OK		17	OK			
9-Jul	22	OK	OK		4	OK			
10-Jul	23	OK	OK		1	OK			
11-Jul	28	OK	OK		5	OK			
12-Jul	10	OK	OK		18	OK			
13-Jul	43	OK	OK		33	OK			
14-Jul	28	OK	OK		15	OK			
15-Jul	20	OK	OK		8	OK			
16-Jul	23	OK	OK		3	OK			stage 3 starts; Ontario partial opening
17-Jul	37	OK	OK		14	OK			
18-Jul	22	OK	OK		15	OK			
19-Jul	18	OK	OK		4	OK			
20-Jul	34	OK	OK		16	OK			
21-Jul	26	OK	OK		8	OK			
22-Jul	18	OK	OK		8	OK			
23-Jul	43	OK	OK		25	OK			
24-Jul	44	OK	OK		1	OK			
25-Jul	48	OK	OK		4	OK			
26-Jul	22	OK	OK		26	OK			
27-Jul	37	OK	OK		15	OK			
28-Jul	25	OK	OK		12	OK			
29-Jul	38	OK	OK		13	OK			
30-Jul	62	OK	OK		24	OK			
31-Jul	53	OK	OK		9	OK			
1-Aug	40	OK	OK		13	OK			
2-Aug	43	OK	OK		3	OK			civic day long weekend
3-Aug	45	OK	OK		2	OK			

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4-Aug	26	OK	OK		19	OK			
5-Aug	44	OK	OK		18	OK			
6-Aug	80	OK	OK		36	OK			
7-Aug	94	OK	OK		14	OK			
8-Aug	109	OK	OK		15	OK			
9-Aug	90	OK	OK		19	OK			
10-Aug	96	OK	OK		6	OK			
11-Aug	72	OK	OK		24	OK			
12-Aug	105	OK	OK		33	OK			
13-Aug	129	OK	OK		24	OK			
14-Aug	153	OK	OK		24	OK			
15-Aug	116	OK	OK		37	OK			
16-Aug	128	OK	OK		12	OK			
17-Aug	85	OK	OK		43	OK			
18-Aug	108	OK	OK		23	OK			
19-Aug	116	OK	OK		8	OK			
20-Aug	136	OK	OK		20	OK			
21-Aug	130	OK	OK		6	OK			
22-Aug	170	OK	OK		40	OK			
23-Aug	124	OK	OK		46	OK			
24-Aug	129	OK	OK		5	OK			
25-Aug	151	OK	OK		22	OK			
26-Aug	144	OK	OK		7	OK			
27-Aug	185	OK	OK		41	OK			
28-Aug	168	OK	OK		17	OK			
29-Aug	141	OK	OK		27	OK			
30-Aug	121	OK	OK		20	OK			
31-Aug	120	OK	OK		1	OK			
1-Sep	158	OK	OK		38	OK			
2-Sep	175	OK	OK		17	OK			
3-Sep	175	OK	OK		0	OK			
4-Sep	181	OK	OK		6	OK			
5-Sep	156	OK	OK		25	OK			
6-Sep	114	OK	OK		42	OK			Labour day holiday long weekend
7-Sep	116	OK	OK		2	OK			
8-Sep	149	OK	OK		33	OK			
9-Sep	159	OK	OK		10	OK			
10-Sep	166	OK	OK		7	OK			

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11-Sep	170	OK	OK	run failure	4	OK		increase	C: Delta A: wear mask P: Vaccine
12-Sep	147	OK	OK		23	OK			
13-Sep	114	OK	OK		33	OK			
14-Sep	116	OK	OK		2	OK			
15-Sep	141	OK	OK		25	OK			
16-Sep	162	OK	OK		21	OK			
17-Sep	166	OK	OK		4	OK			
18-Sep	152	OK	OK		14	OK			
19-Sep	139	OK	OK		13	OK			
20-Sep	126	OK	OK		13	OK			
21-Sep	104	OK	OK		22	OK			
22-Sep	93	OK	OK		11	OK			
23-Sep	136	OK	OK		43	OK			Vaccine certificate required
24-Sep	144	OK	OK		8	OK			
25-Sep	113	OK	OK		31	OK			
26-Sep	109	OK	OK		4	OK			
27-Sep	117	OK	OK		8	OK			
28-Sep	138	OK	OK		21	OK			
29-Sep	107	OK	OK		31	OK			
30-Sep	94	OK	OK		13	OK			
1-Oct	110	OK	OK		16	OK			
2-Oct	150	OK	OK		40	OK			
3-Oct	110	OK	OK		40	OK			
4-Oct	85	OK	OK		25	OK			
5-Oct	108	OK	OK		23	OK			
6-Oct	84	OK	OK		24	OK			
7-Oct	119	OK	OK		35	OK			
8-Oct	104	OK	OK		15	OK			
9-Oct	123	OK	OK		19	OK			
10-Oct	98	OK	OK		25	OK			
11-Oct	92	OK	OK		6	OK			Thanksgiving day holiday long weekend
12-Oct	66	OK	OK		26	OK			
13-Oct	68	OK	OK		2	OK			
14-Oct	69	OK	OK		1	OK			
15-Oct	74	OK	OK		5	OK			
16-Oct	88	OK	OK		14	OK			
17-Oct	58	OK	OK		30	OK			
18-Oct	62	OK	OK		4	OK			



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19-Oct	52	OK	OK		10	OK			
20-Oct	46	OK	OK		6	OK			
21-Oct	66	OK	OK		20	OK			
22-Oct	64	OK	OK		2	OK			
23-Oct	41	OK	OK		23	OK			
24-Oct	47	OK	OK		6	OK			
25-Oct	39	OK	OK		8	OK			Some restrictions lifted
26-Oct	39	OK	OK		0	OK			
27-Oct	66	OK	OK		27	OK			
28-Oct	54	OK	OK		12	OK			
29-Oct	63	OK	OK		9	OK			
30-Oct	45	OK	OK		18	OK			
31-Oct	58	OK	OK		13	OK			Halloween weekend
1-Nov	61	OK	OK		3	OK			
2-Nov	42	OK	OK		19	OK			
3-Nov	64	OK	OK		22	OK			
4-Nov	72	OK	OK		8	OK			
5-Nov		OK	OK		72	OK			
6-Nov		OK	OK		0	OK			
7-Nov		OK	OK		0	OK			
8-Nov		OK	OK		0	OK			
9-Nov		OK	OK		0	OK			
10-Nov		OK	OK		0	OK			
11-Nov		OK	OK		0	OK			
12-Nov		OK	OK		0	OK			
13-Nov		OK	OK		0	OK			
14-Nov		OK	OK		0	OK			
15-Nov		OK	OK		0	OK			
16-Nov		OK	OK		0	OK			
17-Nov		OK	OK		0	OK			

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<b>Count/Sum</b>	320				248		84		
<b>Mean</b>	391.86				27.32		208.60		
<b>Standard Deviation</b>	377.77				23.99		137.43		
<b>Kurtosis</b>	-0.32	normal					13.29	not normal	
<b>Skew</b>	0.92	normal					2.97	not normal	
<b>CP</b>	1.1								
<b>CPK</b>	0.6								
	<b>Bin</b>								
<b>Upper Control Limit</b>	1525.17								
	1147.40								
	769.63								
	391.86								
	14.09								
	-363.67								
<b>Lower Control Limit</b>	-741.44								