

## ONTARIO CASES four sigma

Test Date	cases	Low	High	Outliers	Comments	Range	Limit	Outliers	Notes	Comments / CAP
Dec 20/2020	2316	OK	OK							Dec 14 first vaccination - pfizer
Dec 21/2020	2123	OK	OK			193	OK			
Dec 22/2020	2202	OK	OK			79	OK			
Dec 23/2020	2408	OK	OK			206	OK			Moderna vaccine approved; shut down
Dec 24/2020	2447	OK	OK			39	OK			
Dec 25/2020	2159	OK	OK			288	OK			<b>Christmas Day</b>
Dec 26/2020	2143	OK	OK			16	OK			<b>Boxing Day holiday</b>
Dec 27/2020	2005	OK	OK			138	OK			
Dec 28/2020	1939	OK	OK			66	OK			
Dec 29/2020	2553	OK	OK				Failed	614	increased	C: Christmas A: Shut down P: Vaccine
Dec 30/2020	2923	OK	OK				Failed	370	increased	C: Christmas A: Shut down P: Vaccine
Dec 31/2020	3328	OK	OK				Failed	405	increased	new years eve : Christmas A: Shut down P: Vaccine
Jan 01/2021	2476	OK	OK				Failed	852	dropped	<b>new years day</b> C: Christmas A: Shut down P: Vaccine
Jan 02/2021	3363	OK	OK				Failed	887	increased	C: Christmas A: shut down P: vaccine
Jan 03/2021	2964	OK	OK				Failed	399	dropped	C: Vaccine A: N/A P: N/A
Jan 04/2021	3270	OK	OK			306	OK			C: Christmas A: Shut down P: Vaccine
Jan 05/2021	3128	OK	OK			142	OK			
Jan 06/2021	3266	OK	OK			138	OK			
Jan 07/2021	3519	OK	OK			253	OK			
Jan 08/2021	4249	OK	OK				Failed	730	increased	C: New Years A: shut down P: vaccine
Jan 09/2021	3443	OK	OK				Failed	806	dropped	C: Vaccine A: N/A P: N/A
Jan 10/2021	3945	OK	OK				Failed	502	dropped	C: New Years A: shut down P: vaccine
Jan 11/2021	3338	OK	OK				Failed	607	dropped	C: Vaccine A: N/A P: N/A
Jan 12/2021	2903	OK	OK				Failed	435	dropped	C: Vaccine A: N/A P: N/A
Jan 13/2021	2961	OK	OK			58	OK			
Jan 14/2021	3326	OK	OK				Failed	365	increased	C: New Years A: shut down P: vaccine
Jan 15/2021	2998	OK	OK			328	OK			C: Vaccine A: N/A P: N/A
Jan 16/2021	3056	OK	OK			58	OK			Ron's Birthday
Jan 17/2021	3422	OK	OK				Failed	366	increased	C: New Years A: shut down P: vaccine
Jan 18/2021	2578	OK	OK				Failed	844	increased	C: New Years A: shut down P: vaccine
Jan 19/2021	1913	OK	OK				Failed	665	dropped	C: Vaccine A: N/A P: N/A
Jan 20/2021	2655	OK	OK				Failed	742	increased	C: New Years A: shut down P: vaccine
Jan 21/2021	2632	OK	OK			23	OK			
Jan 22/2021	2662	OK	OK			30	OK			
Jan 23/2021	2359	OK	OK			303	OK			C: New Years A: shut down P: vaccine
Jan 24/2021	2417	OK	OK			58	OK			
Jan 25/2021	1958	OK	OK				Failed	459	dropped	C: Vaccine A: N/A P: N/A
Jan 26/2021	1740	OK	OK			218	OK			
Jan 27/2021	1670	OK	OK			70	OK			
Jan 28/2021	2093	OK	OK				Failed	423	dropped	C: Alpha A: N/A P: vaccine
Jan 29/2021	1838	OK	OK			255	OK			
Jan 30/2021	2063	OK	OK			225	OK			
Jan 31/2021	1848	OK	OK			215	OK			
Feb 01/2021	1969	OK	OK			121	OK			
Feb 02/2021	745	OK	OK				Failed	1224	dropped	C: Vaccine A: N/A P: N/A
Feb 03/2021	1172	OK	OK				Failed	427	dropped	C: Alpha A: N/A P: vaccine
Feb 04/2021	1563	OK	OK				Failed	391	dropped	C: Alpha A: N/A P: vaccine

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Feb 05/2021	1670	OK	OK			107	OK			
Feb 06/2021	1388	OK	OK			282	OK			
Feb 07/2021	1489	OK	OK			101	OK			
Feb 08/2021	1265	OK	OK			224	OK			
Feb 09/2021	1022	OK	OK			243	OK			
Feb 10/2021	1072	OK	OK			50	OK			
Feb 11/2021	1100	OK	OK			28	OK			
Feb 12/2021	1076	OK	OK			24	OK			
Feb 13/2021	1300	OK	OK			224	OK			
Feb 14/2021	981	OK	OK			<b>319</b>	<b>OK</b>			C: Vaccine A: N/A P: N/A
Feb 15/2021	961	OK	OK			20	OK			family day long weekend
Feb 16/2021	904	OK	OK			57	OK			
Feb 17/2021	847	OK	OK			57	OK			
Feb 18/2021	1038	OK	OK			191	OK			
Feb 19/2021	1150	OK	OK			112	OK			
Feb 20/2021	1228	OK	OK			78	OK			
Feb 21/2021	1087	OK	OK			141	OK			
Feb 22/2021	1058	OK	OK			29	OK			
Feb 23/2021	975	OK	OK			83	OK			
Feb 24/2021	1054	OK	OK			79	OK			
Feb 25/2021	1138	OK	OK			84	OK			
Feb 26/2021	1258	OK	OK			120	OK			Astra Zeneca vaccine approved
Feb 27/2021	1185	OK	OK			73	OK			
Feb 28/2021	1062	OK	OK			123	OK			
Mar 01/2021	1023	OK	OK			39	OK			
Mar 02/2021	996	OK	OK			27	OK			
Mar 03/2021	958	OK	OK			38	OK			
Mar 04/2021	994	OK	OK			36	OK			
Mar 05/2021	1250	OK	OK			256	OK			
Mar 06/2021	990	OK	OK			260	OK			
Mar 07/2021	1255	OK	OK			265	OK			
Mar 08/2021	1631	OK	OK				Failed	376	increased	C: Alpha A: N/A P: vaccine
Mar 09/2021	1185	OK	OK				Failed	446	dropped	C: Vaccine A: N/A P: N/A
Mar 10/2021	1316	OK	OK			131	OK			
Mar 11/2021	1092	OK	OK			224	OK			
Mar 12/2021	1371	OK	OK			279	OK			
Mar 13/2021	1468	OK	OK			97	OK			
Mar 14/2021	1747	OK	OK			279	OK			
Mar 15/2021	1268	OK	OK				Failed	479	dropped	C: Vaccine A: N/A P: N/A
Mar 16/2021	1074	OK	OK			194	OK			
Mar 17/2021	1508	OK	OK				Failed	434	dropped	C: Alpha A: Wear mask P: vaccine
Mar 18/2021	1553	OK	OK			45	OK			
Mar 19/2021	1745	OK	OK			192	OK			
Mar 20/2021	1829	OK	OK			84	OK			
Mar 21/2021	1791	OK	OK			38	OK			
Mar 22/2021	1699	OK	OK			92	OK			
Mar 23/2021	1546	OK	OK			153	OK			
Mar 24/2021	1571	OK	OK			25	OK			

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Test Date	cases	Low	High	Outliers	Comments	Range	Limit	Outliers	Notes	Comments / CAP
Mar 25/2021	2380	OK	OK				Failed	809	increase	C: Alpha A: Wear mask P: vaccine
Mar 26/2021	2169	OK	OK			211	OK			
Mar 27/2021	2453	OK	OK			284	OK			
Mar 28/2021	2448	OK	OK			5	OK			
Mar 29/2021	2094	OK	OK				OK	354	dropped	C: Vaccine A: N/A P: N/A
Mar 30/2021	2366	OK	OK			272	OK			
Mar 31/2021	2333	OK	OK			33	OK			
Apr 01/2021	2557	OK	OK			224	OK			<b>Provincial Shut down</b>
Apr 02/2021	3089	OK	OK				Failed	532	increase	<b>Good friday long week end</b>
Apr 03/2021	3009	OK	OK			80	OK			
Apr 04/2021	3041	OK	OK			32	OK			<b>Easter Sunday long weekend</b>
Apr 05/2021	2938	OK	OK			103	OK			
Apr 06/2021	3065	OK	OK			127	OK			
Apr 07/2021	3215	OK	OK			150	OK			
Apr 08/2021	3295	OK	OK			80	OK			
Apr 09/2021	4227	OK	OK				Failed	932	increase	C: Easter A: Shut down P: vaccine
Apr 10/2021	3813	OK	OK				Failed	414	dropped	<b>Provincial shutdown Extended</b>
Apr 11/2021	4456	OK	OK				Failed	643	dropped	<b>Ramadam starts - month long C:Vaccine A: NA P:NA</b>
Apr 12/2021	4401	OK	OK			55	OK			
Apr 13/2021	3670	OK	OK				Failed	731	dropped	C: Vaccine A: N/A P: N/A
Apr 14/2021	4156	OK	OK				Failed	486	dropped	C: Vaccine A: N/A P: N/A
Apr 15/2021	4736	OK	OK				Failed	580	increase	C: Easter A: Shut down P: vaccine
Apr 16/2021	4812	OK	OK		<b>Apex</b>	76	OK			<b>C: Easter Dinner Ramadam A: Shut down P: Vaccine</b>
Apr 17/2021	4362	OK	OK				Failed	450	dropped	C: Vaccine A: N/A P: N/A
Apr 18/2021	4250	OK	OK			112	OK			
Apr 19/2021	4447	OK	OK			197	OK			
Apr 20/2021	3469	OK	OK				Failed	978	increase	vaccine 40+ C: Ramadam/Easter A: Shut down P:Vaccine
Apr 21/2021	4212	OK	OK				Failed	743	increase	C:Ramadon/Easter A: shut down P: vaccine
Apr 22/2021	3683	OK	OK				Failed	529	increase	C:Ramadon/Easter A: shut down P: vaccine
Apr 23/2021	4505	OK	OK				Failed	822	dropped	C: Vaccine A: N/A P: N/A
Apr 24/2021	4094	OK	OK				Failed	411	dropped	C: Vaccine A: N/A P: N/A
Apr 25/2021	3947	OK	OK			147	OK			
Apr 26/2021	3510	OK	OK			437	Failed	dropped	dropped	C:Ramadon/Easter A: shut down P: vaccine
Apr 27/2021	3265	OK	OK			245	OK			
Apr 28/2021	3480	OK	OK			215	OK			
Apr 29/2021	3871	OK	OK				Failed	391	increase	
Apr 30/2021	3887	OK	OK			16	OK			
May 01/2021	3369	OK	OK				Failed	518	dropped	C: Vaccine A: N/A P: N/A
May 02/2021	3732	OK	OK				Failed	363	increase	C:Ramadon/Easter A: shut down P: vaccine
May 03/2021	3436	OK	OK			296	OK			C: Vaccine A: N/A P: N/A
May 04/2021	2791	OK	OK				Failed	645	increase	C:Ramadon/Easter A: shut down P: vaccine
May 05/2021	2941	OK	OK			150	OK			
May 06/2021	3887	OK	OK				Failed	946	increase	C:Ramadon/Easter A: shut down P: vaccine
May 07/2021	3166	OK	OK				Failed	721	dropped	C: Vaccine A: N/A P: N/A
May 08/2021	2864	OK	OK			302	OK			C:Ramadon/Easter A: shut down P: vaccine
May 09/2021	3216	OK	OK				OK	352	dropped	C: Vaccine A: N/A P: N/A
May 10/2021	2761	OK	OK				Failed	455	dropped	Ramadam ends - month long; C:Vaccine N/A P: N/A
May 11/2021	2073	OK	OK				Failed	688	increase	C: Ramadam A: shut down P: vaccine

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May 12/2021	2320	OK	OK			247	OK			2021 ramadan ends
May 13/2021	2759	OK	OK				Failed	439	dropped	C: Ramadam A: shut down P: vaccine
May 14/2021	2362	OK	OK				Failed	397	dropped	C: Vaccine A: N/A P: N/A
May 15/2021	2584	OK	OK			222	OK			
May 16/2021	2199	OK	OK				Failed	385	dropped	36 hour vaccine clinic Brampton
May 17/2021	2170	OK	OK			29	OK			
May 18/2021	1616	OK	OK				Failed	554	dropped	C: Vaccine A: N/A P: N/A
May 19/2021	1588	OK	OK			28	OK			Ramadan ends
May 20/2021	2400	OK	OK				Failed	812	increase	C:Ramadam A:shutdown P:vaccine
May 21/2021	1890	OK	OK				Failed	510	dropped	outdoor reopening May 22nd; C: Vaccine A: NA P: NA
May 22/2021	1794	OK	OK			96	OK			
May 23/2021	1691	OK	OK			103	OK			
May 24/2021	1446	OK	OK			245	OK			Victoria Day long weekend
May 25/2021	1039	OK	OK				Failed	407	dropped	C: Vaccine A: N/A P: N/A
May 26/2021	1095	OK	OK			56	OK			
May 27/2021	1135	OK	OK			40	OK			
May 28/2021	1273	OK	OK			138	OK			
May 29/2021	1057	OK	OK			216	OK			
May 30/2021	1033	OK	OK			24	OK			
May 31/2021	916	OK	OK			117	OK			
Jun 01/2021	699	OK	OK			217	OK			
Jun 02/2021	733	OK	OK			34	OK			
Jun 03/2021	870	OK	OK			137	OK			
Jun 04/2021	914	OK	OK			44	OK			
Jun 05/2021	744	OK	OK			170	OK			
Jun 06/2021	663	OK	OK			81	OK			
Jun 07/2021	525	OK	OK			138	OK			
Jun 08/2021	469	OK	OK			56	OK			
Jun 09/2021	411	OK	OK			58	OK			
Jun 10/2021	590	OK	OK			179	OK			
Jun 11/2021	574	OK	OK			16	OK			stage 1 reopening
Jun 12/2021	502	OK	OK			72	OK			
Jun 13/2021	530	OK	OK			28	OK			
Jun 14/2021	447	OK	OK			83	OK			Delta variant detected
Jun 15/2021	296	OK	OK			151	OK			
Jun 16/2021	384	OK	OK			88	OK			
Jun 17/2021	370	OK	OK			14	OK			
Jun 18/2021	345	OK	OK			25	OK			
Jun 19/2021	355	OK	OK			10	OK			
Jun 20/2021	318	OK	OK			37	OK			
Jun 21/2021	270	OK	OK			48	OK			
Jun 22/2021	296	OK	OK			26	OK			
Jun 23/2021	255	OK	OK			41	OK			
Jun 24/2021	296	OK	OK			41	OK			
Jun 25/2021	256	OK	OK			40	OK			
Jun 26/2021	346	OK	OK			90	OK			
Jun 27/2021	287	OK	OK			59	OK			
Jun 28/2021	210	OK	OK			77	OK			

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Test Date	cases	Low	High	Outliers	Comments	Range	Limit	Outliers	Notes	Comments / CAP
Jun 29/2021	299	OK	OK			89	OK			90 cases in TO prev period
Jun 30/2021	184	OK	OK			115	OK			Stage 2 starts
Jul 01/2021	284	OK	OK			100	OK			Canada Day long weekend
Jul 02/2021	200	OK	OK			84	OK			
Jul 03/2021	209	OK	OK			9	OK			
Jul 04/2021	213	OK	OK			4	OK			
Jul 05/2021	170	OK	OK			43	OK			
Jul 06/2021	244	OK	OK			74	OK			80 cases prev period
Jul 07/2021	194	OK	OK			50	OK			
Jul 08/2021	210	OK	OK			16	OK			
Jul 09/2021	183	OK	OK			27	OK			
Jul 10/2021	179	OK	OK			4	OK			
Jul 11/2021	166	OK	OK			13	OK			
Jul 12/2021	114	OK	OK			52	OK			
Jul 13/2021	146	OK	OK			32	OK			
Jul 14/2021	153	OK	OK			7	OK			
Jul 15/2021	143	OK	OK			10	OK			
Jul 16/2021	159	OK	OK			16	OK			stage 3 starts; Ontario partial opening
Jul 17/2021	176	OK	OK			17	OK			
Jul 18/2021	177	OK	OK			1	OK			
Jul 19/2021	130	OK	OK			47	OK			
Jul 20/2021	127	OK	OK			3	OK			
Jul 21/2021	135	OK	OK			8	OK			
Jul 22/2021	185	OK	OK			50	OK			
Jul 23/2021	192	OK	OK			7	OK			
Jul 24/2021	170	OK	OK			22	OK			
Jul 25/2021	172	OK	OK		run failure increase	2	OK			C: Delta A: Wear mask P: vaccine
Jul 26/2021	113	OK	OK			59	OK			
Jul 27/2021	129	OK	OK			16	OK			
Jul 28/2021	158	OK	OK			29	OK			
Jul 29/2021	218	OK	OK			60	OK			
Jul 30/2021	226	OK	OK			8	OK			
Jul 31/2021	258	OK	OK		run failure increase	32	OK			C: Delta A: Wear mask P: vaccine
Aug 01/2021	218	OK	OK			40	OK			
Aug 02/2021	168	OK	OK			50	OK			civic day holiday long weekend
Aug 03/2021	164	OK	OK			4	OK			
Aug 04/2021	139	OK	OK			25	OK			
Aug 05/2021	213	OK	OK			74	OK			
Aug 06/2021	340	OK	OK			127	OK			
Aug 07/2021	378	OK	OK			38	OK			
Aug 08/2021	423	OK	OK			45	OK			
Aug 09/2021	325	OK	OK			98	OK			
Aug 10/2021	321	OK	OK			4	OK			
Aug 11/2021	324	OK	OK			3	OK			
Aug 12/2021	513	OK	OK			189	OK			
Aug 13/2021	510	OK	OK			3	OK			
Aug 14/2021	578	OK	OK			68	OK			
Aug 15/2021	511	OK	OK			67	OK			

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Aug 16/2021	526	OK	OK			15	OK			
Aug 17/2021	348	OK	OK			178	OK			
Aug 18/2021	485	OK	OK			137	OK			
Aug 19/2021	531	OK	OK			46	OK			
Aug 20/2021	650	OK	OK			119	OK			
Aug 21/2021	689	OK	OK			39	OK			
Aug 22/2021	722	OK	OK		run failure increase	33	OK			C: Delta A: Wear mask P: vaccine
Aug 23/2021	639	OK	OK			83	OK			
Aug 24/2021	486	OK	OK			153	OK			
Aug 25/2021	660	OK	OK			174	OK			
Aug 26/2021	678	OK	OK			18	OK			
Aug 27/2021	781	OK	OK			103	OK			
Aug 28/2021	835	OK	OK			54	OK			
Aug 29/2021	740	OK	OK			95	OK			
Aug 30/2021	694	OK	OK			46	OK			
Aug 31/2021	525	OK	OK			169	OK			
Sep 01/2021	656	OK	OK			131	OK			
Sep 02/2021	865	OK	OK			209	OK			
Sep 03/2021	807	OK	OK			58	OK			
Sep 04/2021	944	OK	OK			137	OK			
Sep 05/2021	811	OK	OK			133	OK			
Sep 06/2021	581	OK	OK			230	OK			Labour day holiday long weekend
Sep 07/2021	564	OK	OK			17	OK			
Sep 08/2021	554	OK	OK			10	OK			
Sep 09/2021	798	OK	OK			244	OK			
Sep 10/2021	848	OK	OK			50	OK			
Sep 11/2021	857	OK	OK			9	OK			
Sep 12/2021	784	OK	OK			73	OK			
Sep 13/2021	600	OK	OK			184	OK			
Sep 14/2021	577	OK	OK			23	OK			
Sep 15/2021	593	OK	OK			16	OK			
Sep 16/2021	864	OK	OK			271	OK			
Sep 17/2021	795	OK	OK			69	OK			
Sep 18/2021	821	OK	OK			26	OK			
Sep 19/2021	715	OK	OK			106	OK			
Sep 20/2021	610	OK	OK			105	OK			
Sep 21/2021	574	OK	OK			36	OK			
Sep 22/2021	463	OK	OK			111	OK			Vaccine certificate required
Sep 23/2021	677	OK	OK			214	OK			
Sep 24/2021	727	OK	OK			50	OK			
Sep 25/2021	640	OK	OK			87	OK			
Sep 26/2021	653	OK	OK			13	OK			
Sep 27/2021	613	OK	OK			40	OK			
Sep 28/2021	466	OK	OK			147	OK			
Sep 29/2021	495	OK	OK			29	OK			
Sep 30/2021	647	OK	OK			152	OK			
Oct 01/2021	668	OK	OK			21	OK			
Oct 02/2021	704	OK	OK			36	OK			

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Oct 03/2021	580	OK	OK			124	OK			
Oct 04/2021	511	OK	OK			69	OK			
Oct 05/2021	429	OK	OK			82	OK			
Oct 06/2021	476	OK	OK			47	OK			
Oct 07/2021	587	OK	OK			111	OK			
Oct 08/2021	573	OK	OK			14	OK			
Oct 09/2021	654	OK	OK			81	OK			
Oct 10/2021	535	OK	OK			119	OK			
Oct 11/2021	458	OK	OK			77	OK			Thanksgiving day holiday long weekend
Oct 12/2021	390	OK	OK			68	OK			
Oct 13/2021	306	OK	OK		run failure dropped	84	OK			C: Vaccine A: N/A P: N/A
Oct 14/2021	417	OK	OK			111	OK			
Oct 15/2021	496	OK	OK			79	OK			
Oct 16/2021	486	OK	OK			10	OK			
Oct 17/2021	443	OK	OK			43	OK			
Oct 18/2021	373	OK	OK			70	OK			
Oct 19/2021	328	OK	OK			45	OK			
Oct 20/2021	304	OK	OK			24	OK			
Oct 21/2021	413	OK	OK			109	OK			
Oct 22/2021	492	OK	OK			79	OK			
Oct 23/2021	373	OK	OK			119	OK			
Oct 24/2021	370	OK	OK			3	OK			
Oct 25/2021	326	OK	OK			44	OK			Some restrictions lifted
Oct 26/2021	269	OK	OK			57	OK			
Oct 27/2021	321	OK	OK			52	OK			
Oct 28/2021	409	OK	OK			88	OK			
Oct 29/2021	419	OK	OK			10	OK			
Oct 30/2021	356	OK	OK			63	OK			Halloween weekend
Oct 31/2021	340	OK	OK			16	OK			
Nov 01/2021	422	OK	OK			82	OK			
Nov 02/2021	331	OK	OK			91	OK			
Nov 03/2021	378	OK	OK			47	OK			
Nov 04/2021	438	OK	OK			60	OK			
Nov 05/2021	563	OK	OK			125	OK			
Nov 06/2021	508	OK	OK			55	OK			
Nov 07/2021	636	OK	OK			128	OK			
Nov 08/2021	480	OK	OK			156	OK			
Nov 09/2021	441	OK	OK			39	OK			
Nov 10/2021	454	OK	OK			13	OK			
Nov 11/2021	642	OK	OK			188	OK			Rememberence day
Nov 12/2021	598	OK	OK			44	OK			
Nov 13/2021	661	OK	OK			63	OK			
Nov 14/2021	666	OK	OK			5	OK			
Nov 15/2021	552	OK	OK			114	OK			
Nov 16/2021	481	OK	OK			71	OK			
Nov 17/2021	512	OK	OK			31	OK			
Nov 18/2021	711	OK	OK			199	OK			
Nov 19/2021	793	OK	OK			82	OK			Diwali Night

\*\*Failure is a statcal movement in excess of 32 parts per million

## ONTARIO CASES four sigma

Test Date	cases	Low	High	Outliers	Comments	Range	Limit	Outliers	Notes	Comments / CAP
Nov 20/2021	728	OK	OK			65	OK			
Nov 21/2021	741	OK	OK			13	OK			
Nov 22/2021	627	OK	OK			114	OK			kids vaccines approved
Nov 23/2021	613	OK	OK			14	OK			
Nov 24/2021	591	OK	OK			22	OK			
Nov 25/2021	748	OK	OK			157	OK			US Thanks giving day holiday
Nov 26/2021	927	OK	OK			179	OK			Omicron variant detected
Nov 27/2021	854	OK	OK			73	OK			
Nov 28/2021	964	OK	OK			110	OK			Hanukkah - starts
Nov 29/2021	788	OK	OK			176	OK			
Nov 30/2021	687	OK	OK			101	OK			
Dec 01/2021	780	OK	OK			93	OK			
Dec 02/2021	959	OK	OK			179	OK			
Dec 03/2021	1031	OK	OK			72	OK			
Dec 04/2021	1053	OK	OK			22	OK			
Dec 05/2021	1184	OK	OK		run failure increase	131	OK			C: Omicron A: Wear mask P: Vaccine;
Dec 06/2021	887	OK	OK			297	OK			Hanukkah ends
Dec 07/2021	928	OK	OK			41	OK			
Dec 08/2021	1009	OK	OK			81	OK			
Dec 09/2021	1200	OK	OK			191	OK			
Dec 10/2021	1453	OK	OK			253	OK			
Dec 11/2021	1607	OK	OK		run failure increase	154	OK			C: Omicron A: Wear mask P: Vaccine;
Dec 12/2021	1476	OK	OK			131	OK			
Dec 13/2021	1536	OK	OK			60	OK			third dose 50+
Dec 14/2021	1429	OK	OK			107	OK			
Dec 15/2021	1808	OK	OK				Failed	379	dropped	C: Omicron A: Wear mask P: Vaccine;
Dec 16/2021	2421	OK	OK				Failed	613	increase	C: Omicron A: Wear mask P: Vaccine;
Dec 17/2021	3124	OK	OK				Failed	703	increase	C: Omicron A: Wear mask P: Vaccine;
Dec 18/2021	3301	OK	OK			177	OK			
Dec 19/2021	4177	OK	OK		run failure increase		Failed	876	increase	
Dec 20/2021	3784	OK	OK				Failed	393	dropped	C: Vaccine A: N/A P: N/A; third dose 18+
Dec 21/2021	3453	OK	OK			331	OK			
Dec 22/2021	4383	OK	OK				Failed	930	increase	C: Omicron A: Wear mask P: Vaccine;
Dec 23/2021	5790	OK	OK				Failed	1407	increase	C: Omicron A: Wear mask P: Vaccine;
Dec 24/2021	9571	OK	OK				Failed	3781	increase	C: Omicron A: Wear mask P: Vaccine;
Dec 25/2021	10412	OK	OK				Failed	841	increase	C: Omicron A: Wear mask P: Vaccine; Christmas Day
Dec 26/2021	9826	OK	OK				Failed	586	dropped	C: Vaccine A: N/A P: N/A; Boxing Day
Dec 27/2021	9418	OK	OK				Failed	408	dropped	C: Vaccine A: N/A P: N/A
Dec 28/2021	8825	OK	OK				Failed	593	dropped	C: Vaccine A: N/A P: N/A
Dec 29/2021	10436	OK	OK				Failed	1611	increase	C: Christmas A: N/A P: stay home
Dec 30/2021	13807	OK	Failed		1		Failed	3371	increase	C: Christmas A: N/A P: stay home
Dec 31/2021	16713	OK	Failed				Failed	2906	increase	C: Christmas A: N/A P: stay home; New year eve
Jan 01/2022	18445	OK	Failed		2nd apex		Failed	1732	increase	C: christmas day A: N/A P: stay home
Jan 02/2022	16714	OK	Failed				Failed	1731	dropped	C: Vaccine A: N/A P: N/A
Jan 03/2022	13578	OK	Failed				Failed	3136	dropped	C: Vaccine A: N/A P: N/A
Jan 04/2022	11352	OK	OK				Failed	2226	dropped	C: Vaccine A: N/A P: N/A
Jan 05/2022	11582	OK	OK			230	OK			21 Day Lockdown
Jan 06/2022	13339	OK	Failed				Failed	1757	increase	C: New year eve A: N/A P: stay home

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## ONTARIO CASES four sigma

Test Date	cases	Low	High	Outliers	Comments	Range	Limit	Outliers	Notes	Comments / CAP
Jan 07/2022	11899	OK	OK				Failed	1440	dropped	C: Vaccine A: N/A P: N/A
Jan 08/2022	13362	OK	Failed				Failed	1463	increase	C: New year eve A: N/A P: stay home
Jan 09/2022	11959	OK	OK				Failed	1403	dropped	C: Vaccine A: N/A P: N/A
Jan 10/2022	9706	OK	OK				Failed	2253	dropped	C: Vaccine A: N/A P: N/A
Jan 11/2022	7951	OK	OK				Failed	1755	dropped	C: Vaccine A: N/A P: N/A
Jan 12/2022	9783	OK	OK				Failed	1832	increase	C: Omicron A: Wear mask P: Vaccine;
Jan 13/2022	9909	OK	OK			126	OK			C: Omicron A: Wear mask P: Vaccine;
Jan 14/2022	10964	OK	OK				Failed	1055	increase	C: Omicron A: Wear mask P: Vaccine;
Jan 15/2022	10732	OK	OK			232	OK			C: Vaccine A: N/A P: N/A
Jan 16/2022	10450	OK	OK			282	OK			C: Vaccine A: N/A P: N/A
Jan 17/2022	8521	OK	OK				Failed	1929	dropped	C: Vaccine A: N/A P: N/A
Jan 18/2022	7086	OK	OK				Failed	1435	dropped	C: Vaccine A: N/A P: N/A
Jan 19/2022	5744	OK	OK				Failed	1342	dropped	C: Vaccine A: N/A P: N/A
Jan 20/2022	7757	OK	OK				Failed	2013	increase	C: Omicron A: Wear mask P: Vaccine;
Jan 21/2022	7165	OK	OK				Failed	592	dropped	C: Vaccine A: N/A P: N/A
Jan 22/2022	6473	OK	OK				Failed	692	dropped	C: Vaccine A: N/A P: N/A
Jan 23/2022	5883	OK	OK				Failed	590	dropped	C: Vaccine A: N/A P: N/A
Jan 24/2022	4790	OK	OK				Failed	1093	dropped	C: Vaccine A: N/A P: N/A
Jan 25/2022	3424	OK	OK		run failure dropped		Failed	1366	dropped	C: Vaccine A: N/A P: N/A
Jan 26/2022	5369	OK	OK				Failed	1945	increase	C: Omicron A: Wear mask P: Vaccine;
Jan 27/2022	5852	OK	OK				Failed	483	increase	C: Omicron A: Wear mask P: Vaccine;
Jan 28/2022	5337	OK	OK				Failed	515	dropped	C: Vaccine A: N/A P: N/A
Jan 29/2022	4855	OK	OK				Failed	482	dropped	C: Vaccine A: N/A P: N/A
Jan 30/2022	3960	OK	OK				Failed	895	dropped	C: Vaccine A: N/A P: N/A
Jan 31/2022	3043	OK	OK				Failed	917	dropped	C: Vaccine A: N/A P: N/A
Feb 01/2022	2622	OK	OK		run failure dropped		Failed	421	dropped	C: Vaccine A: N/A P: N/A
Feb 02/2022	3909	OK	OK				Failed	1287	increase	C: Omicron A: Wear mask P: Vaccine;
Feb 03/2022	4098	OK	OK			189	OK			
Feb 04/2022	4047	OK	OK			51	OK			
Feb 05/2022	3204	OK	OK				Failed	843	dropped	C: Vaccine A: N/A P: N/A
Feb 06/2022	2887	OK	OK			317	OK			
Feb 07/2022	2088	OK	OK				Failed	799	dropped	C: Vaccine A: N/A P: N/A
Feb 08/2022	2098	OK	OK			10	OK			
Feb 09/2022	3162	OK	OK				Failed	1064	increase	C: Omicron A: Wear mask P: Vaccine;
Feb 10/2022	3201	OK	OK			39	OK			
Feb 11/2022	2907	OK	OK			294	OK			
Feb 12/2022	2944	OK	OK			37	OK			
Feb 13/2022	2265	OK	OK				Failed	679	dropped	C: Vaccine A: N/A P: N/A
Feb 14/2022	1765	OK	OK				Failed	500	dropped	C: Vaccine A: N/A P: N/A
Feb 15/2022	1593	OK	OK			172	OK			
Feb 16/2022	2532	OK	OK				Failed	939	increase	C: Stealth Omicron A: Wear mask P: Vaccine;
Feb 17/2022	2327	OK	OK			205	OK			clubs/bars reopening
Feb 18/2022	2337	OK	OK			10	OK			
Feb 19/2022	2244	OK	OK			93	OK			Varient BA.2 first detected Canada
Feb 20/2022	1966	OK	OK			278	OK			
Feb 21/2022	1335	OK	OK				Failed	631	dropped	C: Vaccine A: N/A P: N/A
Feb 22/2022	1282	OK	OK			53	OK			
Feb 23/2022	1425	OK	OK			143	OK			

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## ONTARIO CASES four sigma

Test Date	cases	Low	High	Outliers	Comments	Range	Limit	Outliers	Notes	Comments / CAP
Feb 24/2022	2404	OK	OK				Failed	979	increase	C: Stealth Omicron A: Wear mask P: Vaccine;
Feb 25/2022	2427	OK	OK			23	OK			
Feb 26/2022	2338	OK	OK			89	OK			
Feb 27/2022	2001	OK	OK				OK	337	dropped	C: Vaccine A: N/A P: N/A
Feb 28/2022	1315	OK	OK				Failed	686	dropped	C: Vaccine A: N/A P: N/A
Mar 01/2022	1176	OK	OK			139	OK			Limits removed - masks still on
Mar 02/2022	1959	OK	OK				Failed	783	increase	C: Stealth Omicron A: Wear mask P: Vaccine;
Mar 03/2022	2262	OK	OK			303	OK			
Mar 04/2022	2085	OK	OK			177	OK			
Mar 05/2022	1930	OK	OK			155	OK			
Mar 06/2022	1787	OK	OK			143	OK			
Mar 07/2022	1074	OK	OK				Failed	713	dropped	C: Vaccine A: N/A P: N/A
Mar 08/2022	1208	OK	OK			134	OK			
Mar 09/2022	1947	OK	OK				Failed	739	dropped	C: Vaccine A: N/A P: N/A
Mar 10/2022	2125	OK	OK			178	OK			
Mar 11/2022	2130	OK	OK			5	OK			
Mar 12/2022	2015	OK	OK			115	OK			
Mar 13/2022	1631	OK	OK				Failed	384	dropped	C: Vaccine A: N/A P: N/A
Mar 14/2022	1116	OK	OK				Failed	515	dropped	C: Vaccine A: N/A P: N/A
Mar 15/2022	1076	OK	OK			40	OK			
Mar 16/2022	2011	OK	OK				Failed	935	increase	C: Stealth Omicron sub variant A: Wear mask P: Vaccine;
Mar 17/2022	2398	OK	OK				Failed	387	increase	C: Stealth Omicron sub variant A: Wear mask P: Vaccine;
Mar 18/2022	2508	OK	OK			110	OK			
Mar 19/2022	2078	OK	OK				Failed	430	dropped	C: Vaccine A: N/A P: N/A
Mar 20/2022	1680	OK	OK				Failed	398	dropped	C: Vaccine A: N/A P: N/A
Mar 21/2022	1217	OK	OK				Failed	463	dropped	Restrictions removed ( masks)
Mar 22/2022	1447	OK	OK			230	OK			
Mar 23/2022	2149	OK	OK				Failed	702	increase	mask no longer required
Mar 24/2022	2561	OK	OK				Failed	412	increase	mask no longer required
Mar 25/2022	2761	OK	OK			200	OK			
Mar 26/2022	2754	OK	OK			7	OK			
Mar 27/2022	2217	OK	OK				Failed	537	dropped	C: Vaccine A: N/A P: N/A
Mar 28/2022	1741	OK	OK				Failed	476	dropped	C: Vaccine A: N/A P: N/A
Mar 29/2022	1610	OK	OK			131	OK			
Mar 30/2022	2814	OK	OK				Failed	1204	increase	C: Stealth Omicron sub variant A: Wear mask P: Vaccine;
Mar 31/2022	3139	OK	OK			325	OK			
Apr 01/2022	3519	OK	OK				Failed	380	increase	Border restrictions removed
Apr 02/2022	3233	OK	OK			286	OK			
Apr 03/2022	3077	OK	OK			156	OK			
Apr 04/2022	2248	OK	OK				Failed	829	dropped	C: Vaccine A: N/A P: N/A
Apr 05/2022	1991	OK	OK			257	OK			
Apr 06/2022	3444	OK	OK				Failed	1453	increase	C: Ramadan Omicron sub variant A: Wear mask P: Vaccine;
Apr 07/2022	4224	OK	OK				Failed	780	increase	C: Ramadan Omicron sub variant A: Wear mask P: Vaccine;
Apr 08/2022	4295	OK	OK			71	OK			
Apr 09/2022	3797	OK	OK				Failed	498	dropped	C: Vaccine A: N/A P: N/A
Apr 10/2022	3481	OK	OK			316	OK			
Apr 11/2022	2401	OK	OK				Failed	1080	dropped	C: Vaccine A: N/A P: N/A
Apr 12/2022	2300	OK	OK			101	OK			

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## ONTARIO CASES four sigma

Test Date	cases	Low	High	Outliers	Comments	Range	Limit	Outliers	Notes	Comments / CAP
Apr 13/2022	3833	OK	OK				Failed	1533	increase	C: Ramadan Omicron sub variant A: Wear mask P: Vaccine;
Apr 14/2022	4589	OK	OK				Failed	756	increase	C: Ramadan Omicron sub variant A: Wear mask P: Vaccine;
Apr 15/2022	4332	OK	OK			257	OK			Good Friday long weekend
Apr 16/2022	4201	OK	OK			131	OK			
Apr 17/2022	2450	OK	OK				Failed	1751	dropped	C: Vaccine A: N/A P: N/A
Apr 18/2022	2219	OK	OK			231	OK			Easter Monday
Apr 19/2022	1218	OK	OK				Failed	1001	dropped	C: Vaccine A: N/A P: N/A
Apr 20/2022	1073	OK	OK		run failure dropped	145	OK			
Apr 21/2022	5038	OK	OK		Covid turns endemic		Failed	3965	increase	C: Easter Omicron sub variant A: Wear mask P: Vaccine;
Apr 22/2022	4668	OK	OK			370	Failed			
Apr 23/2022	3820	OK	OK				Failed	848	dropped	C: Vaccine A: N/A P: N/A
Apr 24/2022	4098	OK	OK			278	OK			
Apr 25/2022	2028	OK	OK				Failed	2070	dropped	C: Vaccine A: N/A P: N/A
Apr 26/2022	1827	OK	OK			201	OK			
Apr 27/2022	3005	OK	OK				Failed	1178	increase	C: Ramadan Omicron sub variant A: Wear mask P: Vaccine;
Apr 28/2022	3560	OK	OK				Failed	555	increase	C: Ramadan Omicron sub variant A: Wear mask P: Vaccine;
Apr 29/2022	2760	OK	OK				Failed	800	dropped	C: Vaccine A: N/A P: N/A
Apr 30/2022	2799	OK	OK			39	OK			Ramadan ends
May 01/2022	2243	OK	OK				Failed	556	dropped	C: Vaccine A: N/A P: N/A
May 02/2022	1275	OK	OK				Failed	968	dropped	C: Vaccine A: N/A P: N/A
May 03/2022	1547	OK	OK			272	OK			
May 04/2022	2488	OK	OK				Failed	941	increase	
May 05/2022	2700	OK	OK			212	OK			
May 06/2022	2418	OK	OK			282	OK			
May 07/2022	2164	OK	OK			254	OK			
May 08/2022	1938	OK	OK			226	OK			
May 09/2022	1206	OK	OK				Failed	732	dropped	C: Vaccine A: N/A P: N/A
May 10/2022	1089	OK	OK		run failure dropped	117	OK			
May 11/2022	1995	OK	OK				Failed	906	increase	
May 12/2022	2160	OK	OK			165	OK			
May 13/2022	1969	OK	OK			191	OK			
May 14/2022	1575	OK	OK				Failed	394	dropped	
May 15/2022	1564	OK	OK			11	OK			
May 16/2022	1061	OK	OK				Failed	503	dropped	
May 17/2022	1028	OK	OK		run failure dropped	33	OK			
May 18/2022	1692	OK	OK				Failed	664	increase	
May 19/2022	1565	OK	OK			127	OK			
May 20/2022	1412	OK	OK			153	OK			
May 21/2022	1221	OK	OK			191	OK			
May 22/2022	1052	OK	OK			169	OK			
May 23/2022	668	OK	OK				Failed	384	dropped	Victoria Day long weekend
May 24/2022	619	OK	OK		run failure dropped	49	OK			
May 25/2022	775	OK	OK			156	OK			
May 26/2022	1217	OK	OK				Failed	442	increase	
May 27/2022	1096	OK	OK			121	OK			
May 28/2022	1144	OK	OK			48	OK			
May 29/2022	878	OK	OK			266	OK			
May 30/2022	547	OK	OK			331	OK			

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## ONTARIO CASES four sigma

Test Date	cases	Low	High	Outliers	Comments	Range	Limit	Outliers	Notes	Comments / CAP
May 31/2022	590	OK	OK			43	OK			
Jun 01/2022	1030	OK	OK				Failed	440	increase	
Jun 02/2022	1038	OK	OK			8	OK			
Jun 03/2022	888	OK	OK			150	OK			
Jun 04/2022	901	OK	OK			13	OK			
Jun 05/2022	710	OK	OK			191	OK			
Jun 06/2022	468	OK	OK			242	OK			
Jun 07/2022	537	OK	OK			69	OK			
Jun 08/2022	1013	OK	OK				Failed	476	increase	
Jun 09/2022	907	OK	OK			106	OK			
Jun 10/2022	835	OK	OK			72	OK			
Jun 11/2022	825	OK	OK			10	OK			cp24 reporting
Jun 12/2022	370	OK	OK				Failed	455	dropped	cp24 reporting
Jun 13/2022	357	OK	OK			13	OK			<b>MANDATES OVER GOVERNMENT NO LONGER RELEASING NUMBERS</b>

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## ONTARIO CASES four sigma

Test Date	cases	Low	High	Outliers	Comments	Range	Limit	Outliers	Notes	Comments / CAP
<b>Sum</b>	1159946					386		154		pop = 14.57 million
<b>Mean</b>	2144.08					110.28		878.55		percent of population infected
<b>Standard Deviation</b>	2534.47							647.70		7.96
<b>Kurtosis</b>	11.40	normal								
<b>Skew</b>	3.02	normal								
<b>CP</b>	1.1									
<b>CPK</b>	0.6									
	<b>Bin</b>									
<b>Upper Control Limit</b>	14816.45									
	12281.98									
	9747.50									
	7213.03									
	4678.55									
	2144.08									
	-390.40									
	-2924.87									
	-5459.35	flu not covid								
	-7993.82									

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