

FIFTH WAVE ONTARIO CASES

Test Date	cases	Low	High	Outliers	Comments	Range	Limit	Outliers	Notes	Comments / CAP
12/1/2021	780	OK	OK				OK			
12/2/2021	959	OK	OK			179	OK			
12/3/2021	1031	OK	OK			72	OK			
12/4/2021	1053	OK	OK			22	OK			
12/5/2021	1184	OK	OK		run failure increase	131	OK			C: Omicron A: Wear mask P: Vaccine;
12/6/2021	887	OK	OK			297	OK			Hanukkah ends
12/7/2021	928	OK	OK			41	OK			
12/8/2021	1009	OK	OK			81	OK			
12/9/2021	1200	OK	OK			191	OK			
12/10/2021	1453	OK	OK			253	OK			
12/11/2021	1607	OK	OK		run failure increase	154	OK			C: Omicron A: Wear mask P: Vaccine;
12/12/2021	1476	OK	OK			131	OK			
12/13/2021	1536	OK	OK			60	OK			third dose 50+
12/14/2021	1429	OK	OK			107	OK			
12/16/2021	1808	OK	OK				OK	379	dropped	C: Omicron A: Wear mask P: Vaccine;
12/17/2021	2421	OK	OK				Failed	613	increase	C: Omicron A: Wear mask P: Vaccine;
12/18/2021	3124	OK	OK				Failed	703	increase	C: Omicron A: Wear mask P: Vaccine;
12/19/2021	3301	OK	OK			177	OK			
12/20/2021	4177	OK	OK		run failure increase		Failed	876	increase	
12/21/2021	3784	OK	OK				OK	393	dropped	C: Vaccine A: N/A P: N/A; third dose 18+
12/22/2021	3453	OK	OK			331	OK			
12/23/2021	4383	OK	OK				Failed	930	increase	C: Omicron A: Wear mask P: Vaccine;
12/24/2021		OK	Failed	5790	increase		Failed	1407	increase	C: Omicron A: Wear mask P: Vaccine;
12/25/2021		OK	Failed	9571	increase		Failed	3781	increase	C: Omicron A: Wear mask P: Vaccine;
12/26/2021		OK	Failed	10412	run failure increase		Failed	841	increase	C: Omicron A: Wear mask P: Vaccine; Christmas Day
12/27/2021		OK	Failed	9826	dropped		Failed	586	dropped	C: Vaccine A: N/A P: N/A; Boxing Day
12/28/2021		OK	Failed	9418	dropped		OK	408	dropped	C: Vaccine A: N/A P: N/A
12/29/2021		OK	Failed	8825	dropped		Failed	593	dropped	C: Vaccine A: N/A P: N/A
12/30/2021		OK	Failed	10436	increase		Failed	1611	increase	C: Christmas A: N/A P: stay home
12/31/2021		OK	Failed	13807	increase		Failed	3371	increase	C: Christmas A: N/A P: stay home
1/1/2022		OK	Failed	16713	increase		Failed	2906	increase	C: Christmas A: N/A P: stay home; New year eve
1/2/2022		OK	Failed	18445	2nd apex		Failed	1732	increase	C: christmas day A: N/A P: stay home
1/3/2022		OK	Failed	16714	dropped		Failed	1731	dropped	C: Vaccine A: N/A P: N/A
1/4/2022		OK	Failed	13578	dropped		Failed	3136	dropped	C: Vaccine A: N/A P: N/A
1/5/2022		OK	Failed	11352	dropped		Failed	2226	dropped	C: Vaccine A: N/A P: N/A
1/6/2022		OK	Failed	11582	increase	230	OK			21 Day Lockdown
1/7/2022		OK	Failed	13339	increase		Failed	1757	increase	C: New year eve A: N/A P: stay home
1/8/2022		OK	Failed	11899	dropped		Failed	1440	dropped	C: Vaccine A: N/A P: N/A
1/9/2022		OK	Failed	13362	increase		Failed	1463	increase	C: New year eve A: N/A P: stay home
1/10/2022		OK	Failed	11959	dropped		Failed	1403	dropped	C: Vaccine A: N/A P: N/A
1/11/2022		OK	Failed	9706	dropped		Failed	2253	dropped	C: Vaccine A: N/A P: N/A
1/12/2022		OK	Failed	7951	dropped		Failed	1755	dropped	C: Vaccine A: N/A P: N/A
1/13/2022		OK	Failed	9783	increase		Failed	1832	increase	C: Omicron A: Wear mask P: Vaccine;
1/14/2022		OK	Failed	9909	increase	126	OK			C: Omicron A: Wear mask P: Vaccine;
1/15/2022		OK	Failed	10964	increase		Failed	1055	increase	C: Omicron A: Wear mask P: Vaccine;
1/16/2022		OK	Failed	10732	dropped	232	OK			C: Vaccine A: N/A P: N/A
1/16/2022		OK	Failed	10450	dropped	282	OK			C: Vaccine A: N/A P: N/A

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1/17/2022		OK	Failed	8521	dropped		Failed	1929	dropped	C: Vaccine A: N/A P: N/A
1/18/2022		OK	Failed	7086	dropped		Failed	1435	dropped	C: Vaccine A: N/A P: N/A
1/19/2022		OK	Failed	5744	dropped		Failed	1342	dropped	C: Vaccine A: N/A P: N/A
1/20/2022		OK	Failed	7757	increase		Failed	2013	increase	C: Omicron A: Wear mask P: Vaccine;
1/21/2022		OK	Failed	7165	dropped		Failed	592	dropped	C: Vaccine A: N/A P: N/A
1/22/2022		OK	Failed	6473	dropped		Failed	692	dropped	C: Vaccine A: N/A P: N/A
1/23/2022		OK	Failed	5883	dropped		Failed	590	dropped	C: Vaccine A: N/A P: N/A
1/24/2022	4790	OK	OK				Failed	1093	dropped	C: Vaccine A: N/A P: N/A
1/25/2022	3424	OK	OK		run failure dropped		Failed	1366	dropped	C: Vaccine A: N/A P: N/A
1/26/2022		OK	OK	5369	increase		Failed	1945	increase	C: Omicron A: Wear mask P: Vaccine;
1/27/2022		OK	Failed	5852	increase		OK	483	increase	C: Omicron A: Wear mask P: Vaccine;
1/28/2022		OK	OK	5337	dropped		OK	515	dropped	C: Vaccine A: N/A P: N/A
1/29/2022	4855	OK	OK				OK	482	dropped	C: Vaccine A: N/A P: N/A
1/30/2022	3960	OK	OK				Failed	895	dropped	C: Vaccine A: N/A P: N/A
1/31/2022	3043	OK	OK				Failed	917	dropped	C: Vaccine A: N/A P: N/A
2/1/2022	2622	OK	OK		run failure dropped		OK	421	dropped	C: Vaccine A: N/A P: N/A
2/2/2022	3909	OK	OK				Failed	1287	increase	C: Omicron A: Wear mask P: Vaccine;
2/3/2022	4098	OK	OK			189	OK			
2/4/2022	4047	OK	OK			51	OK			
2/5/2022	3204	OK	OK				Failed	843	dropped	C: Vaccine A: N/A P: N/A
2/6/2022	2887	OK	OK			317	OK			
2/7/2022	2088	OK	OK				Failed	799	dropped	C: Vaccine A: N/A P: N/A
2/8/2022	2098	OK	OK			10	OK			
2/9/2022	3162	OK	OK				Failed	1064	increase	C: Omicron A: Wear mask P: Vaccine;
2/10/2022	3201	OK	OK			39	OK			
2/11/2022	2907	OK	OK			294	OK			
2/12/2022	2944	OK	OK			37	OK			
2/13/2022	2265	OK	OK				Failed	679	dropped	C: Vaccine A: N/A P: N/A
2/14/2022	1765	OK	OK				OK	500	dropped	C: Vaccine A: N/A P: N/A
2/15/2022	1593	OK	OK			172	OK			
2/16/2022	2532	OK	OK				Failed	939	increase	C: Stealth Omicron A: Wear mask P: Vaccine;
2/17/2022	2327	OK	OK			205	OK			clubs/bars reopening
2/18/2022	2337	OK	OK			10	OK			
2/19/2022	2244	OK	OK			93	OK			Varient BA.2 first detected Canada
2/20/2022	1966	OK	OK			278	OK			
2/21/2022	1335	OK	OK				Failed	631	dropped	C: Vaccine A: N/A P: N/A
2/22/2022	1282	OK	OK			53	OK			
2/23/2022	1425	OK	OK			143	OK			
2/24/2022	2404	OK	OK				Failed	979	increase	C: Stealth Omicron A: Wear mask P: Vaccine;
2/25/2022	2427	OK	OK			23	OK			
2/26/2022	2338	OK	OK			89	OK			
2/27/2022	2001	OK	OK				OK	337	dropped	C: Vaccine A: N/A P: N/A
2/28/2022	1315	OK	OK				Failed	686	dropped	C: Vaccine A: N/A P: N/A
3/1/2022	1176	OK	OK			139	OK			Limits removed - masks still on
3/2/2022	1959	OK	OK				Failed	783	increase	C: Stealth Omicron A: Wear mask P: Vaccine;
3/3/2022	2262	OK	OK			303	OK			
3/4/2022	2085	OK	OK			177	OK			
3/5/2022	1930	OK	OK			155	OK			

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3/6/2022	1787	OK	OK			143	OK			
3/7/2022	1074	OK	OK				Failed	713	dropped	C: Vaccine A: N/A P: N/A
3/8/2022	1208	OK	OK			134	OK			
3/9/2022	1947	OK	OK				Failed	739	dropped	C: Vaccine A: N/A P: N/A
3/10/2022	2125	OK	OK			178	OK			
3/11/2022	2130	OK	OK			5	OK			
3/12/2022	2015	OK	OK			115	OK			
3/13/2022	1631	OK	OK				OK	384	dropped	C: Vaccine A: N/A P: N/A
3/14/2022	1116	OK	OK				OK	515	dropped	C: Vaccine A: N/A P: N/A
3/15/2022	1076	OK	OK			40	OK			
3/16/2022	2011	OK	OK				Failed	935	increase	C: Stealth Omicron sub variant A: Wear mask P: Vaccine;
3/17/2022	2398	OK	OK				OK	387	increase	C: Stealth Omicron sub variant A: Wear mask P: Vaccine;
3/18/2022	2508	OK	OK			110	OK			
3/19/2022	2078	OK	OK				OK	430	dropped	C: Vaccine A: N/A P: N/A
3/20/2022	1680	OK	OK				OK	398	dropped	C: Vaccine A: N/A P: N/A
3/21/2022	1217	OK	OK				OK	463	dropped	Restrictions removed (masks)
3/22/2022	1447	OK	OK			230	OK			
3/23/2022	2149	OK	OK				Failed	702	increase	mask no longer required
3/24/2022	2561	OK	OK				OK	412	increase	mask no longer required
3/25/2022	2761	OK	OK			200	OK			
3/26/2022	2754	OK	OK			7	OK			
3/27/2022	2217	OK	OK				Failed	537	dropped	C: Vaccine A: N/A P: N/A
3/28/2022	1741	OK	OK				OK	476	dropped	C: Vaccine A: N/A P: N/A
3/29/2022	1610	OK	OK			131	OK			
3/30/2022	2814	OK	OK				Failed	1204	increase	C: Stealth Omicron sub variant A: Wear mask P: Vaccine;
3/31/2022	3139	OK	OK			325	OK			
4/1/2022	3519	OK	OK				OK	380	increase	Border restrictions removed
4/2/2022	3233	OK	OK			286	OK			
4/3/2022	3077	OK	OK			156	OK			
4/4/2022	2248	OK	OK				Failed	829	dropped	C: Vaccine A: N/A P: N/A
4/5/2022	1991	OK	OK			257	OK			
4/6/2022	3444	OK	OK				Failed	1453	increase	C: Ramadan Omicron sub variant A: Wear mask P: Vaccine;
4/7/2022	4224	OK	OK				Failed	780	increase	C: Ramadan Omicron sub variant A: Wear mask P: Vaccine;
4/8/2022	4295	OK	OK			71	OK			
4/9/2022	3797	OK	OK				OK	498	dropped	C: Vaccine A: N/A P: N/A
4/10/2022	3481	OK	OK			316	OK			
4/11/2022	2401	OK	OK				Failed	1080	dropped	C: Vaccine A: N/A P: N/A
4/12/2022	2300	OK	OK			101	OK			
4/13/2022	3833	OK	OK				Failed	1533	increase	C: Ramadan Omicron sub variant A: Wear mask P: Vaccine;
4/14/2022	4589	OK	OK				Failed	756	increase	C: Ramadan Omicron sub variant A: Wear mask P: Vaccine;
4/15/2022	4332	OK	OK			257	OK			Good Friday long weekend
4/16/2022	4201	OK	OK			131	OK			
4/17/2022	2450	OK	OK				Failed	1751	dropped	C: Vaccine A: N/A P: N/A
4/18/2022	2219	OK	OK			231	OK			Easter Monday
4/19/2022	1218	OK	OK				Failed	1001	dropped	C: Vaccine A: N/A P: N/A
4/20/2022	1073	OK	OK		run failure dropped	145	OK			
4/21/2022	5038	OK	OK				Failed	3965	increase	C: Easter Omicron sub variant A: Wear mask P: Vaccine;
4/22/2022	4668	OK	OK			370	OK			

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4/23/2022	3820	OK	OK				Failed	848	dropped	C: Vaccine A: N/A P: N/A
4/24/2022	4098	OK	OK			278	OK			
4/25/2022	2028	OK	OK				Failed	2070	dropped	C: Vaccine A: N/A P: N/A
4/26/2022	1827	OK	OK			201	OK			
4/27/2022	3005	OK	OK				Failed	1178	increase	C: Ramadan Omicron sub variant A: Wear mask P: Vaccine;
4/28/2022	3560	OK	OK				Failed	555	increase	C: Ramadan Omicron sub variant A: Wear mask P: Vaccine;
4/29/2022	2760	OK	OK				Failed	800	dropped	C: Vaccine A: N/A P: N/A
4/30/2022	2799	OK	OK			39	OK			Ramadon ends
5/1/2022	2243	OK	OK				Failed	556	dropped	C: Vaccine A: N/A P: N/A
5/2/2022	1275	OK	OK				Failed	968	dropped	C: Vaccine A: N/A P: N/A
5/3/2022	1547	OK	OK			272	OK			
5/4/2022	2488	OK	OK				Failed	941	increase	
5/5/2022	2700	OK	OK			212	OK			
5/6/2022	2418	OK	OK			282	OK			
5/7/2022	2164	OK	OK			254	OK			
5/8/2022	1938	OK	OK			226	OK			
5/9/2022	1206	OK	OK				Failed	732	dropped	C: Vaccine A: N/A P: N/A
5/10/2022	1089	OK	OK		run failure dropped	117	OK			
5/11/2022	1995	OK	OK				Failed	906	increase	
5/12/2022	2160	OK	OK			165	OK			
5/13/2022	1969	OK	OK			191	OK			
5/14/2022	1575	OK	OK				OK	394	dropped	
5/15/2022	1564	OK	OK			11	OK			
5/16/2022	1061	OK	OK				OK	503	dropped	
5/17/2022	1028	OK	OK		run failure dropped	33	OK			
5/18/2022	1692	OK	OK				Failed	664	increase	
5/19/2022	1565	OK	OK			127	OK			
5/20/2022	1412	OK	OK			153	OK			
5/21/2022	1221	OK	OK			191	OK			
5/22/2022	1052	OK	OK			169	OK			
5/23/2022	668	OK	OK				OK	384	dropped	Victoria Day long weekend

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Sum	325942			351710		79		94		pop = 14.57 million
Mean	2344.91			10048.86		161.19		1077.00		percent of population infected
Standard Deviation	1044.16			3345.63				750.35		2.24
Kurtosis	-0.38	normal		0.12	normal	-0.88				
Skew	0.65	normal		0.62	normal	0.12				
CP	1.1									
CPK	0.6									
	Bin									
Upper Control Limit	5477.39									
	4433.23									
	3389.07									
	2344.91									
	1300.74									
	256.58									
Lower Control Limit	-787.58	flu not covid								

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