

DEATHS IN ONTARIO

Test Date	Deaths	Low	High	Outliers	Range	Limit	Outliers	notes	comments CAP
19-Dec	17	OK	OK						
20-Dec	25	OK	OK		8	OK			first vaccine dec 14 pfizer
21-Dec	17	OK	OK		8	OK			
22-Dec	21	OK	OK		4	OK			first lock down starts
23-Dec	41	OK	OK		20	OK			Moderna approved
24-Dec	49	OK	OK		8	OK			
25-Dec	43	OK	OK		6	OK			christmas day + week holiday
26-Dec	38	OK	OK		5	OK			boxing day
27-Dec	18	OK	OK		20	OK			
28-Dec	37	OK	OK		19	OK			
29-Dec	41	OK	OK		4	OK			
30-Dec	19	OK	OK		22	OK			
31-Dec	56	OK	OK			Failed	37	increased	C: Christmas dinner A: Shut down P: vaccines
1-Jan	51	OK	OK		5	OK			
2-Jan	44	OK	OK		7	OK			
3-Jan	25	OK	OK		19	OK			
4-Jan	29	OK	OK		4	OK			
5-Jan	51	OK	OK		22	OK			
6-Jan	37	OK	OK		14	OK			
7-Jan		OK	Failed	89		Failed	52	increased	C: Christmas dinner A: Shut down P: vaccines
8-Jan	26	OK	OK			Failed	63	dropped	C: Vaccines A: NA P: NA
9-Jan	40	OK	OK		14	OK			
10-Jan	61	OK	OK		21	OK			
11-Jan	29	OK	OK			Failed	32	dropped	C: Vaccines A: NA P: NA
12-Jan	41	OK	OK		12	OK			
13-Jan	74	OK	OK			Failed	41	increased	C: New Years A: Shut down P: vaccines
14-Jan	62	OK	OK		62	Failed			
15-Jan		OK	Failed	100		Failed	38	increased	C: New Years A: Shut down P: vaccines
16-Jan	51	OK	OK			Failed	49	dropped	C: Vaccines A: NA P: NA
17-Jan	69	OK	OK		51	Failed			
18-Jan	24	OK	OK			Failed	24	dropped	C: Vaccines A: NA P: NA
19-Jan	46	OK	OK		22	OK			
20-Jan	89	OK	OK			Failed	46	increased	C: New Years A: Shut down P: vaccines
21-Jan	46	OK	OK			Failed	46	dropped	C: Vaccines A: NA P: NA
22-Jan	87	OK	OK			Failed	46	increased	C: New Years A: Shut down P: vaccines
23-Jan	52	OK	OK			Failed	52	dropped	C: Vaccines A: NA P: NA
24-Jan	50	OK	OK		2	OK			
25-Jan	43	OK	OK		7	OK			
26-Jan	63	OK	OK		20	OK			

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27-Jan	49	OK	OK		14	OK			
28-Jan	56	OK	OK		7	OK			
29-Jan	58	OK	OK		2	OK			
30-Jan		OK	Failed	73	15	OK		increased	C: New Years A:Shut down P: vaccines
31-Jan	43	OK	OK			Failed	30	dropped	C: Vaccines A: NA P: NA
1-Feb	36	OK	OK		7	OK			
2-Feb	14	OK	OK		22	OK			
3-Feb	67	OK	OK			Failed	53	increased	C: New Years A:Shut down P: vaccines
4-Feb		OK	Failed	88	21	OK		increased	C: New Years A:Shut down P: vaccines
5-Feb	45	OK	OK			Failed	43	dropped	C: Vaccines A: NA P: NA
6-Feb	45	OK	OK		0	OK			
7-Feb	22	OK	OK			OK	23	dropped	C: Vaccines A: NA P: NA
8-Feb	33	OK	OK		11	OK			
9-Feb	17	OK	OK		16	OK			
10-Feb	41	OK	OK						
11-Feb	18	OK	OK			OK	23	dropped	C: Vaccines A: NA P: NA
12-Feb	18	OK	OK		0	OK			
13-Feb	19	OK	OK		1	OK			
14-Feb	42	OK	OK			OK	23	increased	family day long weekend
15-Feb	13	OK	OK			Failed	29	dropped	C: Vaccines A: NA P: NA
16-Feb	13	OK	OK		0	OK			
17-Feb	10	OK	OK		3	OK			
18-Feb	44	OK	OK			Failed	34	increased	C: Family Day A:Shut Down P:vaccines
19-Feb	47	OK	OK		3	OK			
20-Feb	28	OK	OK		19	OK			
21-Feb	13	OK	OK		15	OK			
22-Feb	11	OK	OK		2	OK			
23-Feb	12	OK	OK		1	OK			
24-Feb	9	OK	OK		3	OK			
25-Feb	23	OK	OK		14	OK		Astra Zeneca approved	
26-Feb	23	OK	OK		0	OK			
27-Feb	16	OK	OK		7	OK			
28-Feb	20	OK	OK		4	OK			
1-Mar	6	OK	OK		14	OK			
2-Mar	11	OK	OK		5	OK			
3-Mar	7	OK	OK		4	OK			
4-Mar	10	OK	OK		3	OK			
5-Mar	22	OK	OK		12	OK			
6-Mar	6	OK	OK		16	OK			

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7-Mar	15	OK	OK		9	OK			
8-Mar	10	OK	OK		5	OK			
9-Mar	6	OK	OK		4	OK			
10-Mar	16	OK	OK		10	OK			
11-Mar	10	OK	OK		6	OK			
12-Mar	18	OK	OK		8	OK			
13-Mar	11	OK	OK		7	OK			
14-Mar	15	OK	OK		4	OK			
15-Mar	9	OK	OK		6	OK			
16-Mar	11	OK	OK		2	OK			
17-Mar	14	OK	OK		3	OK			
18-Mar	15	OK	OK		1	OK			
19-Mar	10	OK	OK		5	OK			
20-Mar	11	OK	OK		1	OK			
21-Mar	18	OK	OK		7	OK			
22-Mar	3	OK	OK		15	OK			
23-Mar	9	OK	OK		6	OK			
24-Mar	10	OK	OK		1	OK			
25-Mar	17	OK	OK		7	OK			
26-Mar	12	OK	OK		5	OK			
27-Mar	16	OK	OK		4	OK			
28-Mar	19	OK	OK		3	OK			
29-Mar	10	OK	OK		9	OK			
30-Mar	14	OK	OK		4	OK			
31-Mar	15	OK	OK		1	OK			
1-Apr	23	OK	OK		8	OK		shut down	
2-Apr	23	OK	OK		0	OK		good Friday long weekend	
3-Apr	16	OK	OK		7	OK			
4-Apr	12	OK	OK		4	OK		easter sunday	
5-Apr	10	OK	OK		2	OK			
6-Apr	8	OK	OK		2	OK			
7-Apr	17	OK	OK		9	OK			
8-Apr	19	OK	OK		2	OK		shut down	
9-Apr	18	OK	OK		1	OK			
10-Apr	19	OK	OK		1	OK			
11-Apr	21	OK	OK		2	OK			
12-Apr	15	OK	OK		6	OK		Vaccine 50+ hot spots, 2021 ramadon starts	
13-Apr	15	OK	OK		0	OK			
14-Apr	28	OK	OK		13	OK			

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15-Apr	29	OK	OK		1	OK			
16-Apr	25	OK	OK		4	OK			
17-Apr	34	OK	OK		9	OK			
18-Apr	18	OK	OK		16	OK			
19-Apr	19	OK	OK		1	OK			
20-Apr	22	OK	OK		3	OK			
21-Apr	32	OK	OK		10	OK		vaccine 40+	
22-Apr	40	OK	OK		8	OK			
23-Apr	34	OK	OK		6	OK			
24-Apr	24	OK	OK		10	OK			
25-Apr	24	OK	OK		0	OK			
26-Apr	24	OK	OK		0	OK			
27-Apr	29	OK	OK		5	OK			
28-Apr	24	OK	OK		5	OK			
29-Apr	41	OK	OK		17	OK			
30-Apr	21	OK	OK		20	OK			
1-May	29	OK	OK		8	OK			
2-May	23	OK	OK		6	OK			
3-May	16	OK	OK		7	OK			vaccine 18+ hot zones
4-May	25	OK	OK		9	OK			
5-May	41	OK	OK		16	OK			
6-May	26	OK	OK		15	OK			
7-May	23	OK	OK		3	OK			
8-May	25	OK	OK		2	OK			
9-May	47	OK	OK		22	OK			
10-May	19	OK	OK			Failed	28	dropped	C: Vaccines A: NA P: NA
11-May	15	OK	OK		4	OK			
12-May	32	OK	OK		17	OK			2021 ramadon ended
13-May	31	OK	OK		1	OK			
14-May	26	OK	OK		5	OK			
15-May	25	OK	OK		1	OK			
16-May	30	OK	OK		5	OK			
17-May	4	OK	OK			Failed	26	dropped	C: Vaccines A: NA P: NA
18-May	17	OK	OK		13	OK			
19-May	19	OK	OK		2	OK			shut down extended to June 2nd
20-May	27	OK	OK		8	OK			
21-May	27	OK	OK		0	OK			outdoor reopening May 22nd
22-May	20	OK	OK		7	OK			
23-May	15	OK	OK		5	OK			

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24-May	8	OK	OK		7	OK			Victoria Day Long weekend
25-May	33	OK	OK			Failed	25	increased	
26-May	23	OK	OK		10	OK			
27-May	16	OK	OK		7	OK			
28-May	19	OK	OK		3	OK			
29-May	15	OK	OK		4	OK			
30-May	18	OK	OK		3	OK			
31-May	13	OK	OK		5	OK			
1-Jun	9	OK	OK		4	OK			
2-Jun	25	OK	OK		16	OK			
3-Jun	10	OK	OK		15	OK			
4-Jun	19	OK	OK		9	OK			
5-Jun	24	OK	OK		5	OK			
6-Jun	10	OK	OK		14	OK			
7-Jun	15	OK	OK		5	OK			
8-Jun	18	OK	OK		3	OK			
9-Jun	33	OK	OK		15	OK			
10-Jun	11	OK	OK		22	OK			
11-Jun	4	OK	OK		7	OK			stage 1 reopening
12-Jun	15	OK	OK		11	OK			
13-Jun	7	OK	OK		8	OK			
14-Jun	4	OK	OK		3	OK			
15-Jun	13	OK	OK		9	OK			
16-Jun	12	OK	OK		1	OK			
17-Jun	7	OK	OK		5	OK			
18-Jun	1	OK	OK		6	OK			
19-Jun	13	OK	OK		12	OK			
20-Jun	12	OK	OK		1	OK			
21-Jun	3	OK	OK		9	OK			
22-Jun	60	OK	OK			Failed	57	increased	*54 cases from prev mos C: Vaccines A: NA P: NA
23-Jun	11	OK	OK			Failed	49	dropped	
24-Jun	6	OK	OK		5	OK			
25-Jun	2	OK	OK		4	OK			
26-Jun	13	OK	OK		11	OK			
27-Jun	12	OK	OK		1	OK			
28-Jun	3	OK	OK		9	OK			
29-Jun	25	OK	OK		22	OK			
30-Jun	14	OK	OK		11	OK		stage 2 starts	
1-Jul	19	OK	OK		5	OK		canada day long weekend	

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2-Jul	9	OK	OK		10	OK			
3-Jul	9	OK	OK		0	OK			
4-Jul	9	OK	OK		0	OK			
5-Jul	1	OK	OK		8	OK			
6-Jul	9	OK	OK		8	OK			
7-Jul	0	OK	OK		9	OK			
8-Jul	4	OK	OK		4	OK			
9-Jul	9	OK	OK		5	OK			
10-Jul	8	OK	OK		1	OK			
11-Jul	6	OK	OK		2	OK			
12-Jul	0	OK	OK		6	OK			
13-Jul	7	OK	OK		7	OK			
14-Jul	7	OK	OK		0	OK			
15-Jul	10	OK	OK		3	OK			
16-Jul	10	OK	OK		0	OK		stage 3 starts; Ontario partial opening	
17-Jul	3	OK	OK		7	OK			
18-Jul	6	OK	OK		3	OK			
19-Jul	0	OK	OK		6	OK			
20-Jul	2	OK	OK		2	OK			
21-Jul	4	OK	OK		2	OK			
22-Jul	7	OK	OK		3	OK			
23-Jul	1	OK	OK		6	OK			
24-Jul	3	OK	OK		2	OK			
25-Jul	2	OK	OK		1	OK			
26-Jul	3	OK	OK		1	OK			
27-Jul	5	OK	OK		2	OK			
28-Jul	4	OK	OK		1	OK			
29-Jul	3	OK	OK		1	OK			
30-Jul	11	OK	OK		8	OK			
31-Jul	6	OK	OK		5	OK			
1-Aug	2	OK	OK		4	OK			
2-Aug	1	OK	OK		1	OK		civic holiday long weekend	
3-Aug	1	OK	OK		0	OK			
4-Aug	11	OK	OK		10	OK			
5-Aug	14	OK	OK		3	OK			* 12 deaths from previous period
6-Aug	18	OK	OK		4	OK			* 16 deaths from previous period
7-Aug	9	OK	OK		9	OK			* 1 death from previous period
8-Aug	6	OK	OK		3	OK			
9-Aug	0	OK	OK		6	OK			

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Test Date	Deaths	Low	High	Outliers	Range	Limit	Outliers	notes	comments CAP
10-Aug	2	OK	OK		2	OK			
11-Aug	3	OK	OK		1	OK			
12-Aug	0	OK	OK		3	OK			
13-Aug	4	OK	OK		4	OK			* 2 death from previous period
14-Aug	2	OK	OK		2	OK			
15-Aug	0	OK	OK		2	OK			
16-Aug	0	OK	OK		0	OK			
17-Aug	10	OK	OK		10	OK			* 6 death from previous period
18-Aug	3	OK	OK		7	OK			
19-Aug	17	OK	OK		14	OK			* 15 death from previous period
20-Aug	2	OK	OK		15	OK			
21-Aug	1	OK	OK		1	OK			
22-Aug	2	OK	OK		1	OK			
23-Aug	0	OK	OK		2	OK			
24-Aug	18	OK	OK		18	OK			* 16 death from prev period
25-Aug		OK	OK		18	OK			
26-Aug		OK	OK		0	OK			
27-Aug		OK	OK		0	OK			
28-Aug		OK	OK		0	OK			
29-Aug		OK	OK		0	OK			
30-Aug		OK	OK		0	OK			
31-Aug		OK	OK		0	OK			
1-Sep		OK	OK		0	OK			
2-Sep		OK	OK		0	OK			
3-Sep		OK	OK		0	OK			
4-Sep		OK	OK		0	OK			
5-Sep		OK	OK		0	OK			

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Count/Sum	245				234				
Mean	20.40				7.04				
Standard Deviation	16.79				7.52				
Kurtosis	1.96	not normal							
Skew	1.35	not normal							
CP	1.1				1.1				
CPK	0.6				0.6				
	Bin								
Upper Control Limit	70.77								
	53.98								
	37.19								
	20.40								
	3.61								
	-13.18								
Lower Control Limit	-29.97								