

DEATHS IN ONTARIO - 5 Sigma

Test Date	Deaths	Low	High	Outliers	Comments	Range	Limit	Outliers	notes	comments CAP
12/19/2020	17	OK	OK							
12/20/2020	25	OK	OK			8	OK			first vaccine dec 14 pfizer
12/21/2020	17	OK	OK			8	OK			
12/22/2020	21	OK	OK			4	OK			first lock down starts
12/23/2020	41	OK	OK				Failed	20	increased	Moderna approved
12/24/2020	49	OK	OK			8	OK			C: Vaccines A: NA P: NA
12/25/2020	43	OK	OK			6	OK			C: Christmas A: Shut down P: vaccines
12/26/2020	38	OK	OK			5	OK			C: Boxing Day A: Shut down P: vaccines
12/27/2020	18	OK	OK				Failed	20	dropped	C: Vaccines A: NA P: NA
12/28/2020	37	OK	OK				Failed	19	increased	C: Christmas dinner A: Shut down P: vaccines
12/29/2020	41	OK	OK			4	OK			C: Christmas dinner A: Shut down P: vaccines
12/30/2020	19	OK	OK				Failed	22	increased	C: Christmas dinner A: Shut down P: vaccines
12/31/2020	56	OK	OK				Failed	37	increased	C: Christmas dinner A: Shut down P: vaccines
1/1/2021	51	OK	OK			5	OK			C: Vaccines A: NA P: NA, New years DAY
1/2/2021	44	OK	OK			7	OK			C: Christmas dinner A: Shut down P: vaccines
1/3/2021	25	OK	OK				Failed	19	dropped	C: Vaccines A: NA P: NA
1/4/2021	29	OK	OK			4	OK			
1/5/2021	51	OK	OK				Failed	22	increased	C: Christmas dinner A: Shut down P: vaccines
1/6/2021	37	OK	OK			14	OK			
1/7/2021	89	OK	OK				Failed	52	increased	C: Christmas dinner A: Shut down P: vaccines
1/8/2021	26	OK	OK				Failed	63	dropped	C: Vaccines A: NA P: NA
1/9/2021	40	OK	OK			14	OK		increased	C: New Years A:Shut down P: vaccines
1/10/2021	61	OK	OK				Failed	21	increased	C: New Years A:Shut down P: vaccines
1/11/2021	29	OK	OK				Failed	32	dropped	C: Vaccines A: NA P: NA
1/12/2021	41	OK	OK			12	OK			C: Vaccines A: NA P: NA
1/13/2021	74	OK	OK				Failed	33	increased	C: New Years A:Shut down P: vaccines
1/14/2021	62	OK	OK			12	OK			C: New Years A:Shut down P: vaccines
1/15/2021	100	OK	OK		apex		Failed	38	increased	C: New Years A:Shut down P: vaccines
1/16/2021	51	OK	OK				Failed	49	dropped	C: Vaccines A: NA P: NA
1/17/2021	69	OK	OK				Failed	18	dropped	C: Vaccines A: NA P: NA
1/18/2021	24	OK	OK				Failed	45	increased	C: New Years A:Shut down P: vaccines
1/19/2021	46	OK	OK				Failed	22	increased	C: New Years A:Shut down P: vaccines
1/20/2021	89	OK	OK				Failed	43	increased	C: New Years A:Shut down P: vaccines
1/21/2021	46	OK	OK				Failed	43	increased	C: New Years A:Shut down P: vaccines
1/22/2021	87	OK	OK				Failed	41	increased	C: New Years A:Shut down P: vaccines
1/23/2021	52	OK	OK				Failed	35	dropped	C: Vaccines A: NA P: NA
1/24/2021	50	OK	OK			2	OK			C: Vaccines A: NA P: NA
1/25/2021	43	OK	OK			7	OK			C: Vaccines A: NA P: NA
1/26/2021	63	OK	OK				Failed	20	increased	C: New Years A:Shut down P: vaccines
1/27/2021	49	OK	OK				OK	14	dropped	C: Vaccines A: NA P: NA
1/28/2021	56	OK	OK			7	OK			C: New Years A:Shut down P: vaccines
1/29/2021	58	OK	OK			2	OK			C: New Years A:Shut down P: vaccines
1/30/2021	73	OK	OK				OK	15	increased	C: New Years A:Shut down P: vaccines
1/31/2021	43	OK	OK				Failed	30	dropped	C: Vaccines A: NA P: NA
2/1/2021	36	OK	OK			7	OK			
2/2/2021	14	OK	OK				Failed	22	dropped	C: Vaccines A: NA P: NA
2/3/2021	67	OK	OK				Failed	53	increased	C: New Years A:Shut down P: vaccines
2/4/2021	88	OK	OK				Failed	21	increased	C: New Years A:Shut down P: vaccines
2/5/2021	45	OK	OK				Failed	43	dropped	C: Vaccines A: NA P: NA

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2/6/2021	45	OK	OK		neutral	0	OK			
2/7/2021	22	OK	OK				Failed	23	dropped	C: Vaccines A: NA P: NA
2/8/2021	33	OK	OK			11	OK			
2/9/2021	17	OK	OK				OK	16	increased	C: New Years A:Shut down P: vaccines
2/10/2021	41	OK	OK				Failed	24	increased	C: New Years A:Shut down P: vaccines
2/11/2021	18	OK	OK				Failed	23	dropped	C: Vaccines A: NA P: NA
2/12/2021	18	OK	OK			0	OK			
2/13/2021	19	OK	OK			1	OK			
2/14/2021	42	OK	OK				Failed	23	increased	Family Day
2/15/2021	13	OK	OK				Failed	29	dropped	C: Vaccines A: NA P: NA
2/16/2021	13	OK	OK			0	OK			
2/17/2021	10	OK	OK			3	OK			
2/18/2021	44	OK	OK				Failed	34	increased	C: Family Day A:Shut Down P:vaccines
2/19/2021	47	OK	OK			3	OK			C: Vaccines A: NA P: NA
2/20/2021	28	OK	OK				Failed	19	increased	C: Family Day A:Shut Down P:vaccines
2/21/2021	13	OK	OK				OK	15	dropped	C: Vaccines A: NA P: NA
2/22/2021	11	OK	OK			2	OK			
2/23/2021	12	OK	OK			1	OK			
2/24/2021	9	OK	OK			3	OK			
2/25/2021	23	OK	OK				OK	14	increased	C: Family A:Shut Down P:vaccines, Astra Approved
2/26/2021	23	OK	OK			0	OK			
2/27/2021	16	OK	OK			7	OK			
2/28/2021	20	OK	OK			4	OK			
3/1/2021	6	OK	OK			14	OK			
3/2/2021	11	OK	OK			5	OK			
3/3/2021	7	OK	OK			4	OK			
3/4/2021	10	OK	OK			3	OK			
3/5/2021	22	OK	OK			12	OK			
3/6/2021	6	OK	OK				OK	16	dropped	C: Vaccines A: NA P: NA
3/7/2021	15	OK	OK			9	OK			
3/8/2021	10	OK	OK			5	OK			
3/9/2021	6	OK	OK			4	OK			
3/10/2021	16	OK	OK			10	OK			
3/11/2021	10	OK	OK			6	OK			
3/12/2021	18	OK	OK			8	OK			
3/13/2021	11	OK	OK			7	OK			
3/14/2021	15	OK	OK			4	OK			
3/15/2021	9	OK	OK			6	OK			
3/16/2021	11	OK	OK			2	OK			
3/17/2021	14	OK	OK			3	OK			
3/18/2021	15	OK	OK			1	OK			
3/19/2021	10	OK	OK			5	OK			
3/20/2021	11	OK	OK			1	OK			
3/21/2021	18	OK	OK			7	OK			
3/22/2021	3	OK	OK				OK	15	dropped	C: Vaccines A: NA P: NA
3/23/2021	9	OK	OK			6	OK			
3/24/2021	10	OK	OK			1	OK			
3/25/2021	17	OK	OK			7	OK			
3/26/2021	12	OK	OK			5	OK			

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3/27/2021	16	OK	OK			4	OK			
3/28/2021	19	OK	OK			3	OK			
3/29/2021	10	OK	OK			9	OK			
3/30/2021	14	OK	OK			4	OK			
3/31/2021	15	OK	OK			1	OK			
4/1/2021	23	OK	OK			8	OK			shut down
4/2/2021	23	OK	OK			0	OK			Good Friday
4/3/2021	16	OK	OK			7	OK			
4/4/2021	12	OK	OK			4	OK			Easter Sunday
4/5/2021	10	OK	OK			2	OK			
4/6/2021	8	OK	OK			2	OK			
4/7/2021	17	OK	OK			9	OK			
4/8/2021	19	OK	OK			2	OK			shut down
4/9/2021	18	OK	OK			1	OK			
4/10/2021	19	OK	OK			1	OK			
4/11/2021	21	OK	OK			2	OK			
4/12/2021	15	OK	OK			6	OK			Vaccine 50+ hot spots, 2021 ramadon starts
4/13/2021	15	OK	OK			0	OK			
4/14/2021	28	OK	OK			13	OK			C: Easter A: NA P: Vaccine
4/15/2021	29	OK	OK			1	OK			
4/16/2021	25	OK	OK			4	OK			
4/17/2021	34	OK	OK			9	OK			
4/18/2021	18	OK	OK				OK	16	dropped	C: Vaccines A: NA P: NA
4/19/2021	19	OK	OK			1	OK			
4/20/2021	22	OK	OK			3	OK			
4/21/2021	32	OK	OK			10	OK			vaccine 40+
4/22/2021	40	OK	OK			8	OK			C: Ramadan A: NA P: NA
4/23/2021	34	OK	OK			6	OK			
4/24/2021	24	OK	OK			10	OK			
4/25/2021	24	OK	OK			0	OK			
4/26/2021	24	OK	OK			0	OK			
4/27/2021	29	OK	OK			5	OK			
4/28/2021	24	OK	OK			5	OK			
4/29/2021	41	OK	OK				Failed	17	increased	C: Ramadan A: NA P: Vaccine
4/30/2021	21	OK	OK				Failed	20	dropped	C: Vaccines A: NA P: NA
5/1/2021	29	OK	OK			8	OK			
5/2/2021	23	OK	OK			6	OK			
5/3/2021	16	OK	OK			7	OK			vaccine 18+ hot zones
5/4/2021	25	OK	OK			9	OK			
5/5/2021	41	OK	OK				OK	16	increased	C: Ramadan A: NA P: Vaccine
5/6/2021	26	OK	OK			15	OK		dropped	C: Vaccines A: NA P: NA
5/7/2021	23	OK	OK			3	OK			
5/8/2021	25	OK	OK			2	OK			
5/9/2021	47	OK	OK				Failed	22	increased	C: Ramadan A: NA P: Vaccine
5/10/2021	19	OK	OK				Failed	28	dropped	C: Vaccines A: NA P: NA
5/11/2021	15	OK	OK			4	OK			
5/12/2021	32	OK	OK				Failed	17	increased	2021 ramadon ended
5/13/2021	31	OK	OK			1	OK			
5/14/2021	26	OK	OK			5	OK			

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Test Date	Deaths	Low	High	Outliers	Comments	Range	Limit	Outliers	notes	comments CAP
5/15/2021	25	OK	OK			1	OK			
5/16/2021	30	OK	OK			5	OK			
5/17/2021	4	OK	OK				Failed	26	dropped	C: Vaccines A: NA P: NA
5/18/2021	17	OK	OK			13	OK			C: Ramadon A: NA P:Vaccine
5/19/2021	19	OK	OK			2	OK			shut down extended to June 2nd
5/20/2021	27	OK	OK			8	OK			
5/21/2021	27	OK	OK			0	OK			outdoor reopening May 22nd
5/22/2021	20	OK	OK			7	OK			
5/23/2021	15	OK	OK			5	OK			
5/24/2021	8	OK	OK			7	OK			Victoria Day Long weekend
5/25/2021	33	OK	OK				Failed	25	increased	C: Victoria day A: NA P: Vaccine
5/26/2021	23	OK	OK			10	OK			
5/27/2021	16	OK	OK			7	OK			
5/28/2021	19	OK	OK			3	OK			
5/29/2021	15	OK	OK			4	OK			
5/30/2021	18	OK	OK			3	OK			
5/31/2021	13	OK	OK			5	OK			
6/1/2021	9	OK	OK			4	OK			
6/2/2021	25	OK	OK				OK	16	increased	C: Victoria day A: NA P: Vaccine
6/3/2021	10	OK	OK			15	OK		dropped	C: Vaccines A: NA P: NA
6/4/2021	19	OK	OK			9	OK			
6/5/2021	24	OK	OK			5	OK			
6/6/2021	10	OK	OK			14	OK			
6/7/2021	15	OK	OK			5	OK			
6/8/2021	18	OK	OK			3	OK			
6/9/2021	33	OK	OK				OK	15	increased	C: Victoria day A: NA P: vaccine
6/10/2021	11	OK	OK				Failed	22	dropped	C: Vaccines A: NA P: NA
6/11/2021	4	OK	OK			7	OK			stage 1 reopening
6/12/2021	15	OK	OK			11	OK			
6/13/2021	7	OK	OK			8	OK			
6/14/2021	4	OK	OK			3	OK			
6/15/2021	13	OK	OK			9	OK			Delta variant detected
6/16/2021	12	OK	OK			1	OK			
6/17/2021	7	OK	OK			5	OK			
6/18/2021	1	OK	OK			6	OK			
6/19/2021	13	OK	OK			12	OK			
6/20/2021	12	OK	OK			1	OK			
6/21/2021	3	OK	OK			9	OK			
6/22/2021	60	OK	OK				Failed	57	increased	C:*54 cases from prev mos A: N/A P: N/A
6/23/2021	11	OK	OK				Failed	49	dropped	C: Vaccines A: NA P: NA
6/24/2021	6	OK	OK			5	OK			
6/25/2021	2	OK	OK			4	OK			
6/26/2021	13	OK	OK			11	OK			
6/27/2021	12	OK	OK			1	OK			
6/28/2021	3	OK	OK			9	OK			
6/29/2021	25	OK	OK				Failed	22	increased	C: Delta Variet A: N/A P: Vaccine
6/30/2021	14	OK	OK			11	OK			stage 2 starts
7/1/2021	19	OK	OK			5	OK			canada day long weekend
7/2/2021	9	OK	OK			10	OK			

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Test Date	Deaths	Low	High	Outliers	Comments	Range	Limit	Outliers	notes	comments CAP
7/3/2021	9	OK	OK			0	OK			
7/4/2021	9	OK	OK			0	OK			
7/5/2021	1	OK	OK			8	OK			
7/6/2021	9	OK	OK			8	OK			
7/7/2021	0	OK	OK			9	OK			
7/8/2021	4	OK	OK			4	OK			
7/9/2021	9	OK	OK			5	OK			
7/10/2021	8	OK	OK			1	OK			
7/11/2021	6	OK	OK			2	OK			
7/12/2021	0	OK	OK			6	OK			
7/13/2021	7	OK	OK			7	OK			
7/14/2021	7	OK	OK			0	OK			
7/15/2021	10	OK	OK			3	OK			
7/16/2021	10	OK	OK			0	OK			stage 3 starts; Ontario partial opening
7/17/2021	3	OK	OK			7	OK			
7/18/2021	6	OK	OK			3	OK			
7/19/2021	0	OK	OK			6	OK			
7/20/2021	2	OK	OK			2	OK			
7/21/2021	4	OK	OK			2	OK			
7/22/2021	7	OK	OK			3	OK			
7/23/2021	1	OK	OK			6	OK			
7/24/2021	3	OK	OK			2	OK			
7/25/2021	2	OK	OK			1	OK			
7/26/2021	3	OK	OK			1	OK			
7/27/2021	5	OK	OK			2	OK			
7/28/2021	4	OK	OK			1	OK			
7/29/2021	3	OK	OK			1	OK			
7/30/2021	11	OK	OK			8	OK			
7/31/2021	6	OK	OK			5	OK			
8/1/2021	2	OK	OK			4	OK			
8/2/2021	1	OK	OK			1	OK			civic holiday long weekend
8/3/2021	1	OK	OK			0	OK			
8/4/2021	11	OK	OK			10	OK			
8/5/2021	14	OK	OK			3	OK			* 12 deaths from previous period
8/6/2021	18	OK	OK			4	OK			* 16 deaths from previous period
8/7/2021	9	OK	OK			9	OK			* 1 death from previous period
8/8/2021	6	OK	OK			3	OK			
8/9/2021	0	OK	OK			6	OK			
8/10/2021	2	OK	OK			2	OK			
8/11/2021	3	OK	OK			1	OK			
8/12/2021	0	OK	OK			3	OK			
8/13/2021	4	OK	OK			4	OK			* 2 death from previous period
8/14/2021	2	OK	OK			2	OK			
8/15/2021	0	OK	OK			2	OK			
8/16/2021	0	OK	OK			0	OK			
8/17/2021	10	OK	OK			10	OK			* 6 death from previous period
8/18/2021	3	OK	OK			7	OK			
8/19/2021	17	OK	OK				OK	14	increased	C:* 15 death from prev period A: N/A P:Vaccine
8/20/2021	2	OK	OK				OK	15	dropped	C: Vaccines A: NA P: NA

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8/21/2021	1	OK	OK			1	OK			
8/22/2021	2	OK	OK			1	OK			
8/23/2021	0	OK	OK			2	OK			
8/24/2021	18	OK	OK				Failed	18	increased	C:* 16 death from prev period A: N/A P:N/A
8/25/2021	1	OK	OK				Failed	17	dropped	C: Vaccines A: NA P: NA
8/26/2021	0	OK	OK			1	OK			
8/27/2021	17	OK	OK				Failed	17	increased	C :* 14 death from prev period A: N/A P: Vaccine
8/28/2021	7	OK	OK			10	OK			* 6 death from prev period
8/29/2021	2	OK	OK			5	OK			
8/30/2021	0	OK	OK			2	OK			
8/31/2021	5	OK	OK			5	OK			* 3 death from prev period
9/1/2021	13	OK	OK			8	OK			* 6 death from prev period
9/2/2021	14	OK	OK			1	OK			* 9 death from prev period
9/3/2021	6	OK	OK			8	OK			* 2 death from prev period
9/4/2021	9	OK	OK			3	OK			* 5 death from previous period
9/5/2021	3	OK	OK			6	OK			* 2 death from prev period
9/6/2021	2	OK	OK			1	OK			Labour day holiday long weekend
9/7/2021	3	OK	OK			1	OK			
9/8/2021	16	OK	OK			13	OK			* 5 death from prev period
9/9/2021	10	OK	OK			6	OK			* 7 death from prev period
9/10/2021	11	OK	OK			1	OK			* 6 death from prev period
9/11/2021	15	OK	OK			4	OK			* 7 death from prev period
9/12/2021	6	OK	OK			9	OK			* 2 death from prev period
9/13/2021	6	OK	OK			0	OK			* 2 death from prev period
9/14/2021	7	OK	OK			1	OK			* 1 death from prev period
9/15/2021	5	OK	OK			2	OK			* 1 death from prev period
9/16/2021	3	OK	OK			2	OK			* 3 death from prev period
9/17/2021	5	OK	OK			2	OK			* 5 death from prev period
9/18/2021	11	OK	OK			6	OK			* 1 death from prev period
9/19/2021	6	OK	OK			5	OK			* 1 death from prev period
9/20/2021	2	OK	OK			4	OK			
9/21/2021	8	OK	OK			6	OK			
9/22/2021	7	OK	OK			1	OK			Vaccine certificate required
9/23/2021	6	OK	OK			1	OK			* 1 death from prev period
9/24/2021	11	OK	OK			5	OK			* 3 death from prev period
9/25/2021	10	OK	OK			1	OK			* 4 death from prev period
9/26/2021	3	OK	OK			7	OK			* 3 death from prev period
9/27/2021	0	OK	OK			3	OK			
9/28/2021	9	OK	OK			9	OK			* 2 death from prev period
9/29/2021	8	OK	OK			1	OK			* 8 death from prev period
9/30/2021	9	OK	OK			1	OK			* 4 death from prev period
10/1/2021	8	OK	OK			1	OK			* 8 death from prev period
10/2/2021	7	OK	OK			1	OK			* 7 death from prev period
10/3/2021	2	OK	OK			5	OK			* 2 death from prev period
10/4/2021	2	OK	OK			0	OK			* 2 death from prev period
10/5/2021	4	OK	OK			2	OK			* 4 death from prev period
10/6/2021	14	OK	OK			10	OK			* 4 death from prev period
10/7/2021	6	OK	OK			8	OK			* 6 death from prev period
10/8/2021	10	OK	OK			4	OK			* 10 death from prev period

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10/9/2021	2	OK	OK			8	OK			* 2 death from prev period
10/10/2021	2	OK	OK			0	OK			* 2 death from prev period
10/11/2021	2	OK	OK			0	OK			Thanksgiving day holiday long weekend
10/12/2021	0	OK	OK			2	OK			* Oct 11/21 - 2 death from prev period
10/13/2021	12	OK	OK			12	OK			* 12 death from prev period
10/14/2021	3	OK	OK			9	OK			* 3 death from prev period
10/15/2021	2	OK	OK			1	OK			* 2 death from prev period
10/16/2021	5	OK	OK			3	OK			* 5 death from prev period
10/17/2021	-1	OK	OK			6	OK			* 1 death removed
10/18/2021	2	OK	OK			3	OK			* 2 death from prev period
10/19/2021	4	OK	OK			2	OK			* 4 death from prev period
10/20/2021	4	OK	OK			0	OK			* 4 death from prev period
10/21/2021	4	OK	OK			0	OK			* 4 death from prev period
10/22/2021	11	OK	OK			7	OK			* 11 death from prev period
10/23/2021	6	OK	OK			5	OK			* 6 death from prev period
10/24/2021	1	OK	OK			5	OK			* 1 death from prev period
10/25/2021	0	OK	OK			1	OK			Some restrictions lifted
10/26/2021	5	OK	OK			5	OK			* 5 death from prev period
10/27/2021	10	OK	OK			5	OK			* 1 death from prev period
10/28/2021	3	OK	OK			7	OK			* 3 death from prev period
10/29/2021	0	OK	OK			3	OK			
10/30/2021	4	OK	OK			4	OK			* 4 death from prev period
10/31/2021	3	OK	OK			1	OK			* 3 death from prev period; Halloween
11/1/2021	3	OK	OK			0	OK			* 3 death from prev period
11/2/2021	7	OK	OK			4	OK			* 7 death from prev period
11/3/2021	5	OK	OK			2	OK			* 5 death from prev period
11/4/2021	5	OK	OK			0	OK			* 5 death from prev period
11/5/2021	5	OK	OK			0	OK			* 5 death from prev period
11/6/2021	3	OK	OK			2	OK			* 3 death from prev period
11/7/2021	2	OK	OK			1	OK			* 2 death from prev period
11/8/2021	2	OK	OK		run failure dropped	0	OK			* 2 death from prev period
11/9/2021	3	OK	OK			1	OK			* 3 death from prev period
11/10/2021	9	OK	OK			6	OK			* 9 death from prev period
11/11/2021	5	OK	OK			4	OK			* 5 death from prev period Remembrance Day
11/12/2021	4	OK	OK			1	OK			* 4 death from prev period
11/13/2021	6	OK	OK			2	OK			* 6 death from prev period
11/14/2021	7	OK	OK			1	OK			* 3 death from prev period
11/15/2021	3	OK	OK			4	OK			* 3 death from prev period
11/16/2021	1	OK	OK			2	OK			* 1 death from prev period
11/17/2021	12	OK	OK			11	OK			* 12 death from prev period
11/18/2021	5	OK	OK			7	OK			* 5 death from prev period
11/19/2021	4	OK	OK			1	OK			* 4 death from prev period Diwalil Night
11/20/2021	5	OK	OK			1	OK			* 5 death from prev period
11/21/2021	3	OK	OK			2	OK			* 3 death from prev period
11/22/2021	1	OK	OK			2	OK			* 1 death from prev period; kids 5-11 vac. approved
11/23/2021	9	OK	OK			8	OK			* 9 death from prev period
11/24/2021	7	OK	OK			2	OK			* 7 death from prev period
11/25/2021	5	OK	OK			2	OK			* 5 death from prev period - US Thanksgiving Day
11/26/2021	5	OK	OK			0	OK			* 5 deaths from prev period - Omicron detected

**Failure is a statical movement of 2% or greater

DEATHS IN ONTARIO - 5 Sigma

Test Date	Deaths	Low	High	Outliers	Comments	Range	Limit	Outliers	notes	comments CAP
11/27/2021	2	OK	OK			3	OK			* 2 death from prev period
11/28/2021	1	OK	OK		run failure dropped	1	OK			* 1 death from prev period - Hanukkah starts
11/29/2021	2	OK	OK			1	OK			* 2 death from prev period
11/30/2021	3	OK	OK			1	OK			* 3 death from prev period
12/1/2021	6	OK	OK			3	OK			* 6 death from prev period
12/2/2021	8	OK	OK			2	OK			* 8 death from prev period
12/3/2021	4	OK	OK			4	OK			* 4 death from prev period
12/4/2021	7	OK	OK			3	OK			* 7 death from prev period
12/5/2021	0	OK	OK			7	OK			* no death from prev period
12/6/2021	3	OK	OK			3	OK			* 3 death from prev period - Hanukkah ends
12/7/2021	9	OK	OK			6	OK			* 9 death from prev period
12/8/2021	8	OK	OK			1	OK			* 8 death from prev period
12/9/2021	9	OK	OK			1	OK			* 9 death from prev period
12/10/2021	11	OK	OK			2	OK			* 11 death from prev period
12/11/2021	5	OK	OK			6	OK			* 5 death from prev period
12/12/2021	8	OK	OK			3	OK			* 8 death from prev period
12/13/2021	1	OK	OK			7	OK			* 1 death from prev period, third dose 50+
12/14/2021	5	OK	OK			4	OK			* 5 death from prev period
12/15/2021	9	OK	OK			4	OK			* 9 death from prev period
12/16/2021	9	OK	OK			0	OK			* 9 death from prev period
12/17/2021	5	OK	OK			4	OK			* 5 death from prev period
12/18/2021	4	OK	OK			1	OK			* 4 death from prev period
12/19/2021	2	OK	OK			2	OK			* 2 death from prev period
12/20/2021	0	OK	OK		run failure dropped	2	OK			* no death from prev period, third dose 18+
12/21/2021	11	OK	OK			11	OK			* 11 death from prev period
12/22/2021	9	OK	OK			2	OK			* 9 death from prev period
12/23/2021	7	OK	OK			2	OK			* 7 death from prev period
12/24/2021	6	OK	OK			1	OK			* 6 death from prev period
12/25/2021	4	OK	OK			2	OK			* 4 death from prev period; Christmas Day
12/26/2021	7	OK	OK			3	OK			* 7 death from prev period; Boxing Day
12/27/2021	5	OK	OK			2	OK			* 5 death from prev period
12/28/2021	7	OK	OK			2	OK			* 7 death from prev period
12/29/2021	3	OK	OK			4	OK			* 3 death from prev period
12/30/2021	8	OK	OK			5	OK			* 8 death from prev period
12/31/2021	15	OK	OK			7	OK			* 15 death from prev period; New year Eve
1/1/2022	12	OK	OK			3	OK			* 12 death from prev period
1/2/2022	16	OK	OK			4	OK			* 16 death from prev period
1/3/2022	6	OK	OK			10	OK			* 6 death from prev period
1/4/2022	10	OK	OK			4	OK			* 10 death from prev period
1/5/2022	14	OK	OK			4	OK			* 14 death from prev period; 21 Day Lockdown
1/6/2022	20	OK	OK			6	OK			* 20 death from prev period
1/7/2022	42	OK	OK				Failed	22	increased	* 42 death from prev period
1/8/2022	31	OK	OK			11	OK			* 31 death from prev period
1/9/2022	20	OK	OK			11	OK			* 20 death from prev period
1/10/2022	12	OK	OK			8	OK			* 12 death from prev period
1/11/2022	21	OK	OK			9	OK			* 21 death from prev period
1/12/2022	46	OK	OK				Failed	25	increased	* 46 death from prev period
1/13/2022	35	OK	OK			11	OK			* 35 death from prev period
1/14/2022	41	OK	OK			6	OK			* 41 death from prev period

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DEATHS IN ONTARIO - 5 Sigma

Test Date	Deaths	Low	High	Outliers	Comments	Range	Limit	Outliers	notes	comments CAP
1/15/2022	42	OK	OK			1	OK			* 42 death from prev period
1/16/2022	40	OK	OK			2	OK			* 40 death from prev period
1/17/2022	22	OK	OK				Failed	18	dropped	* 22 death from prev period
1/18/2022	37	OK	OK			15	OK		increased	* 37 death from prev period
1/19/2022	59	OK	OK				Failed	22	increased	* 59 death from prev period
1/20/2022	75	OK	OK				OK	16	increased	* 75 death from prev period
1/21/2022	62	OK	OK			13	OK			* 62 death from prev period
1/22/2022	47	OK	OK			15	OK		increased	* 47 death from prev period
1/23/2022	57	OK	OK		run fail increased	10	OK			* 57 death from prev period
1/24/2022	37	OK	OK				Failed	20	dropped	* 37 death from prev period
1/25/2022	64	OK	OK				Failed	27	increased	* 64 death from prev period
1/26/2022	89	OK	OK				Failed	25	increased	* 89 death from prev period
1/27/2022	70	OK	OK				Failed	19	dropped	* 70 death from prev period
1/28/2022	67	OK	OK			3	OK			* 67 death from prev period
1/29/2022	58	OK	OK			9	OK			* 58 death from prev period
1/30/2022	55	OK	OK			3	OK		dropped	55 death from prev period ,run failure
1/31/2022	31	OK	OK				Failed	24	dropped	* 31 death from prev period
2/1/2022	63	OK	OK				Failed	32	increased	* 63 death from prev period
2/2/2022	67	OK	OK			4	OK			* 67 death from prev period
2/3/2022	74	OK	OK			7	OK			* 74 death from prev period
2/4/2022	58	OK	OK				OK	16	dropped	* 58 death from prev period
2/5/2022	59	OK	OK			1	OK			* 59 death from prev period
2/6/2022	56	OK	OK			3	OK			* 56 death from prev period
2/7/2022	11	OK	OK				Failed	45	dropped	* 11 death from prev period
2/8/2022	42	OK	OK				Failed	31	increased	* 42 death from prev period
2/9/2022	65	OK	OK				Failed	23	increased	* 65 death from prev period
2/10/2022	44	OK	OK				Failed	21	dropped	* 44 death from prev period
2/11/2022	50	OK	OK			6	OK			* 50 death from prev period
2/12/2022	35	OK	OK			15	OK			* 35 death from prev period
2/13/2022	22	OK	OK			13	OK			* 22 death from prev period
2/14/2022	8	OK	OK			14	OK			* 8 death from prev period
2/15/2022	19	OK	OK			11	OK			* 19 death from prev period
2/16/2022	46	OK	OK				Failed	27	increased	* 46 death from prev period
2/17/2022	36	OK	OK			10	OK			* 36 death from prev period
2/18/2022	30	OK	OK			6	OK			* 30 death from prev period
2/19/2022	14	OK	OK				OK	16	dropped	* 14 death from prev period
2/20/2022	19	OK	OK			5	OK			* 19 death from prev period
2/21/2022	15	OK	OK			4	OK			* 15 death from prev period
2/22/2022	9	OK	OK			6	OK			* 9 death from prev period
2/23/2022	19	OK	OK			10	OK			* 19 death from prev period
2/24/2022	41	OK	OK				Failed	22	increased	* 41 death from prev period
2/25/2022	35	OK	OK			6	OK			* 35 death from prev period
2/26/2022	31	OK	OK			4	OK			* 31 death from prev period
2/27/2022	9	OK	OK				Failed	22	dropped	* 9 death from prev period
2/28/2022	3	OK	OK			6	OK			* 3 death from prev period
3/1/2022	16	OK	OK			13	OK			* 16 death from prev period
3/2/2022	24	OK	OK			8	OK			* 24 death from prev period
3/3/2022	17	OK	OK			7	OK			* 17 death from prev period
3/4/2022	26	OK	OK			9	OK			* 26 death from prev period

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DEATHS IN ONTARIO - 5 Sigma

Test Date	Deaths	Low	High	Outliers	Comments	Range	Limit	Outliers	notes	comments CAP
3/5/2022	18	OK	OK			8	OK			* 18 death from prev period
3/6/2022	17	OK	OK			1	OK			* 17 death from prev period
3/7/2022	3	OK	OK			14	OK			* 3 death from prev period
3/8/2022	20	OK	OK				Failed	17	increased	* 20 death from prev period
3/9/2022	20	OK	OK			0	OK			* 20 death from prev period
3/10/2022	14	OK	OK			6	OK			* 14 death from prev period
3/11/2022		OK	OK		deaths not reported	14	OK			* deaths not reported
3/12/2022	16	OK	OK				OK	16	dropped	* 16 death from prev period
3/13/2022	8	OK	OK			8	OK			* 8 death from prev period
3/14/2022	0	OK	OK			8	OK			* 0 death from prev period
3/15/2022	13	OK	OK			13	OK			* 13 death from prev period
3/16/2022	15	OK	OK			2	OK			* 15 death from prev period
3/17/2022	13	OK	OK			2	OK			* 13 death from prev period
3/18/2022	8	OK	OK			5	OK			* 8 death from prev period
3/19/2022	13	OK	OK			5	OK			* 13 death from prev period
3/20/2022	3	OK	OK			10	OK			* 3 death from prev period
3/21/2022	3	OK	OK			0	OK			* 3 death from prev period: masks off
3/22/2022	7	OK	OK			4	OK			* 7 death from prev period
3/23/2022	14	OK	OK			7	OK			* 14 death from prev period
3/24/2022	7	OK	OK			7	OK			* 7 death from prev period
3/25/2022	15	OK	OK			8	OK			* 15 death from prev period
3/26/2022	5	OK	OK			10	OK			* 5 death from prev period
3/27/2022	3	OK	OK			2	OK			* 3 death from prev period
3/28/2022	3	OK	OK			0	OK			* 3 death from prev period
3/29/2022	7	OK	OK			4	OK			* 7 death from prev period
3/30/2022	12	OK	OK			5	OK			* 12 death from prev period
3/31/2022	5	OK	OK			7	OK			* 5 death from prev period
4/1/2022	9	OK	OK			4	OK			* 9 death from prev period
4/2/2022	7	OK	OK			2	OK			* 7 death from prev period
4/3/2022	8	OK	OK			1	OK			* 8 death from prev period
4/4/2022	0	OK	OK			8	OK			* No deaths from prev period
4/5/2022	6	OK	OK			6	OK			* 6 death from prev period
4/6/2022	10	OK	OK			4	OK			* 10 death from prev period
4/7/2022	16	OK	OK			6	OK			* 16 death from prev period
4/8/2022	6	OK	OK			10	OK			* 6 death from prev period
4/9/2022	10	OK	OK			4	OK			* 10 death from prev period
4/10/2022	11	OK	OK			1	OK			* 11 death from prev period
4/11/2022	3	OK	OK			8	OK			* 3 death from prev period
4/12/2022	5	OK	OK			2	OK			* 5 death from prev period
4/13/2022	12	OK	OK			7	OK			* 12 death from prev period
4/14/2022	20	OK	OK			8	OK			* 20 death from prev period
4/15/2022	10	OK	OK			10	OK			* 10 death from prev period; GOOD FRIDAY
4/16/2022	10	OK	OK			0	OK			* 10 death from prev period
4/17/2022	0	OK	OK			10	OK			* NO death from prev period
4/18/2022	2	OK	OK			2	OK			* 2 death from prev period: EASTER MONDAY
4/19/2022	1	OK	OK			1	OK			* 1 death from prev period
4/20/2022	28	OK	OK				Failed	27	increased	* 28 death from prev period
4/21/2022	19	OK	OK		Covid turns endemic	9	OK			* 19 death from prev period
4/22/2022	27	OK	OK			8	OK			* 27 death from prev period

**Failure is a statical movement of 2% or greater

DEATHS IN ONTARIO - 5 Sigma

Test Date	Deaths	Low	High	Outliers	Comments	Range	Limit	Outliers	notes	comments CAP
4/23/2022	23	OK	OK			4	OK			* 23 death from prev period
4/24/2022	3	OK	OK				Failed	20	dropped	* 3 death from prev period
4/25/2022	2	OK	OK			1	OK			* 2 death from prev period
4/26/2022	13	OK	OK			11	OK			* 13 death from prev period
4/27/2022	22	OK	OK			9	OK			* 22 death from prev period
4/28/2022	21	OK	OK			1	OK			* 21 death from prev period
4/29/2022	19	OK	OK			2	OK			* 19 death from prev period
4/30/2022	13	OK	OK			6	OK			* 13 death from prev period; Ramadon ends
5/1/2022	17	OK	OK			4	OK			* 17 death from prev period
5/2/2022	0	OK	OK				Failed	17	dropped	* No deaths from prev period
5/3/2022	15	OK	OK			15	OK			* 15 death from prev period
5/4/2022	29	OK	OK			14	OK			* 29 death from prev period
5/5/2022	32	OK	OK			3	OK			* 32 death from prev period
5/6/2022	17	OK	OK			15	OK			* 17 death from prev period
5/7/2022	24	OK	OK			7	OK			* 24 death from prev period
5/8/2022	9	OK	OK			15	OK			* 9 death from prev period
5/9/2022	0	OK	OK			9	OK			* No deaths from prev period
5/10/2022	19	OK	OK				Failed	19	increased	* 19 death from prev period
5/11/2022	29	OK	OK			10	OK			* 29 death from prev period
5/12/2022	14	OK	OK			15	OK			* 14 death from prev period
5/13/2022	18	OK	OK			4	OK			* 18 death from prev period
5/14/2022	11	OK	OK			7	OK			* 11 death from prev period
5/15/2022	7	OK	OK			4	OK			* 7 death from prev period
5/16/2022	2	OK	OK			5	OK			* 2 death from prev period
5/17/2022	11	OK	OK			9	OK			* 11 death from prev period
5/18/2022	14	OK	OK			3	OK			* 14 death from prev period
5/19/2022	20	OK	OK			6	OK			* 20 death from prev period
5/20/2022	16	OK	OK			4	OK			* 16 death from prev period
5/21/2022	12	OK	OK			4	OK			* 12 death from prev period
5/22/2022	2	OK	OK			10	OK			* 2 death from prev period
5/23/2022	2	OK	OK			0	OK			* 2 death from prev period Victoria day
5/24/2022	1	OK	OK		run failure dropped	1	OK			* 1 death from prev period
5/25/2022	10	OK	OK			9	OK			* 10 death from prev period
5/26/2022	20	OK	OK			10	OK			* 20 death from prev period
5/27/2022	14	OK	OK			6	OK			* 14 death from prev period
5/28/2022	12	OK	OK			2	OK			* 12 death from prev period
5/29/2022	2	OK	OK			10	OK			* 2 death from prev period
5/30/2022	1	OK	OK			1	OK			* 1 death from prev period
5/31/2022	14	OK	OK			13	OK			* 14 death from prev period
6/1/2022	23	OK	OK			9	OK			* 23 death from prev period
6/2/2022	2	OK	OK				Failed	21	dropped	* 2 death from prev period
6/3/2022	8	OK	OK			6	OK			* 8 death from prev period
6/4/2022	10	OK	OK			2	OK			* 10 death from prev period
6/5/2022	3	OK	OK			7	OK			* 3 death from prev period
6/6/2022	0	OK	OK			3	OK			* NO death from prev period
6/7/2022	4	OK	OK			4	OK			* 4 death from prev period
6/8/2022	7	OK	OK			3	OK			* 7 death from prev period
6/9/2022	7	OK	OK			0	OK			* 7 death from prev period
9/10/2022	10	OK	OK			3	OK			* 10 death from prev period

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DEATHS IN ONTARIO - 5 Sigma

Test Date	Deaths	Low	High	Outliers	Comments	Range	Limit	Outliers	notes	comments CAP
6/11/2022	11	OK	OK		run failure increased	1	OK			* 11 death from prev period - cp24 reporting
6/12/2022	2	OK	OK			9	OK			* 2 death from prev period - cp24 reporting
6/13/2022		OK	OK		NO NEW DEATHS	2	OK			MANDATES OVER GOVERNMENT NO LONGER RELEASING
6/14/2022	5	OK	OK			5	OK			* 5 death from prev period - cp24 reporting
6/15/2022	8	OK	OK			3	OK			* 8 death from prev period - cp24 reporting
6/16/2022	6	OK	OK			2	OK			* 6 death from prev period - cp24 reporting
6/17/2022	4	OK	OK			2	OK			* 4 death from prev period - cp24 reporting
6/18/2022		OK	OK			4	OK			* NO deaths from prev period
6/19/2022		OK	OK			0	OK			* NO deaths from prev period
6/20/2022	2	OK	OK			2	OK			* 2 deaths from prev period
6/21/2022	2	OK	OK			0	OK			* 4 death from prev period
6/22/2022	4	OK	OK			2	OK			* 14 death from prev period
6/23/2022	14	OK	OK			10	OK			* 3 death from prev period
6/24/2022	3	OK	OK			11	OK			
6/25/2022		OK	OK			3	OK			
6/26/2022		OK	OK			0	OK			
6/27/2022		OK	OK			0	OK			

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DEATHS IN ONTARIO - 5 Sigma

Test Date	Deaths	Low	High	Outliers	Comments	Range	Limit	Outliers	notes	comments CAP
Sum	9498			0		467		88		pop = 14.57 million
Mean	17.30			#DIV/0!		4.96		25.25		percent of population diseased
Standard Deviation	17.76			#DIV/0!		3.82		11.01		0.065
Kurtosis	3.34	normal		#DIV/0!	normal			1.71	not normal	
Skew	1.79	normal		#DIV/0!	not normal			1.51	not normal	
CP	1.1					1.1				
CPK	0.6					0.6				
	Bin									
Upper Control Limit	106.10									
	70.58									
	52.82									
	35.06									
	17.30									
	-0.46									
	-18.22									
Lower Control Limit	-35.98	misdiagnosed								
	-71.50									

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