

Covid-19 Modelling Results, as at 2 May 2020

CANADA

1. Total Cases

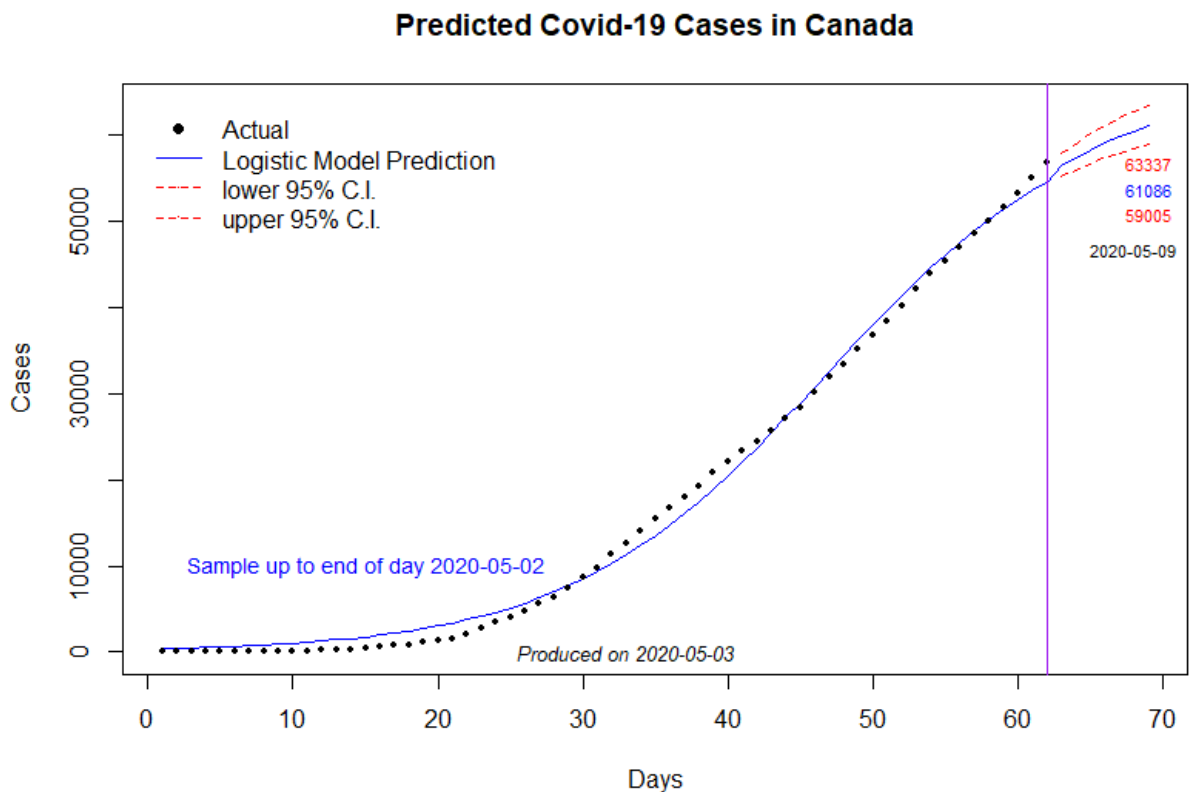


Table 1: Projected Covid-19 Cases in Canada

(95% Prediction Intervals are in Red; Actual Values are in Brackets)

Sample end (projection made): 28 April						
<i>29 Apr</i>	<i>30 Apr</i>	<i>1 May</i>	<i>2 May</i>	<i>3 May</i>	<i>4 May</i>	<i>5 May</i>
49082	49786	50604	51204	51718	52495	52839
50203	51163	52043	52889	53612	54327	54929
[51597]	[53236]	[55061]	[56714]			
51508	52654	53635	54742	55686	56316	57203
Sample end (projection made): 29 April						
<i>30 Apr</i>	<i>1 May</i>	<i>2 May</i>	<i>3 May</i>	<i>4 May</i>	<i>5 May</i>	<i>6 May</i>
50433	51228	52120	52753	53385	54004	54418
51764	52655	53600	54392	55087	55827	56433
[53236]	[55061]	[56714]				
53162	54146	55316	56154	57128	57883	58588
Sample end (projection made): 30 April						
<i>1 May</i>	<i>2 May</i>	<i>3 May</i>	<i>4 May</i>	<i>5 May</i>	<i>6 May</i>	<i>7 May</i>
52011	52815	53481	54273	54881	55431	56027
53290	54207	55078	55912	56604	57314	57939
[55061]	[56714]					
54576	55671	56702	57723	58546	59546	60158
Sample end (projection made): 1 May						
<i>2 May</i>	<i>3 May</i>	<i>4 May</i>	<i>5 May</i>	<i>6 May</i>	<i>7 May</i>	<i>8 May</i>
53507	54330	55089	55713	56283	56870	57447
54896	55812	56712	57429	58186	58914	59490
[56714]						
56294	57384	58499	59221	60303	61177	61817
Sample end (projection made): 2 May						
<i>3 May</i>	<i>4 May</i>	<i>5 May</i>	<i>6 May</i>	<i>7 May</i>	<i>8 May</i>	<i>9 May</i>
55141	55806	56567	57305	57919	58454	59005
56480	57379	58263	59079	59822	60443	61086
57896	58997	60109	61037	61940	62693	63337

Note: Prediction intervals are based on 1,000 bootstrap replications. The point predictions are the mean of the bootstrap sample for each day, so these differ from the simple extrapolation from the estimated Logistic curve.

2. Total Number of Deaths

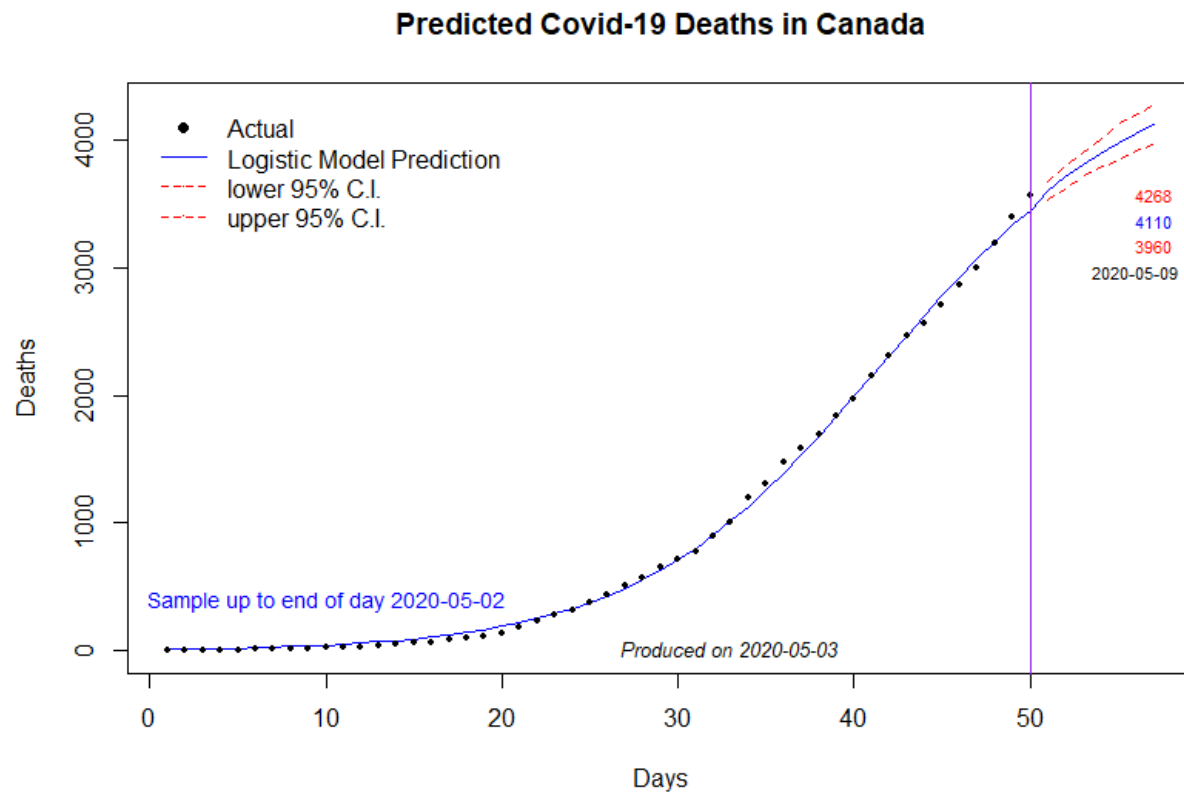


Table 2: Projected Covid-19 Deaths in Canada

(95% Prediction Intervals are in Red; Actual Values are in Brackets)

Sample end (projection made): 28 April						
<i>29 Apr</i>	<i>30 Apr</i>	<i>1 May</i>	<i>2 May</i>	<i>3 May</i>	<i>4 May</i>	<i>5 May</i>
2907	3007	3093	3172	3232	3299	3350
2950	3054	3150	3233	3308	3380	3442
[2996]	[3184]	[3391]	[3566]			
2995	3104	3207	3305	3387	3466	3535
Sample end (projection made): 29 April						
<i>30 Apr</i>	<i>1 May</i>	<i>2 May</i>	<i>3 May</i>	<i>4 May</i>	<i>5 May</i>	<i>6 May</i>
3037	3127	3209	3285	3349	3405	3456
[3184]	[3391]	[3566]				
3077	3176	3267	3345	3420	3483	3540
3121	3226	3325	3414	3490	3562	3629
Sample end (projection made): 30 April						
<i>1 May</i>	<i>2 May</i>	<i>3 May</i>	<i>4 May</i>	<i>5 May</i>	<i>6 May</i>	<i>7 May</i>
3185	3270	3353	3427	3489	3546	3602
3230	3326	3415	3493	3568	3632	3690
[3391]	[3566]					
3278	3381	3480	3565	3648	3728	3797
Sample end (projection made): 1 May						
<i>2 May</i>	<i>3 May</i>	<i>4 May</i>	<i>5 May</i>	<i>6 May</i>	<i>7 May</i>	<i>8 May</i>
3352	3441	3525	3604	3668	3723	3773
3410	3512	3604	3689	3766	3832	3898
[3566]						
3475	3587	3691	3785	3876	3947	4025
Sample end (projection made): 2 May						
<i>3 May</i>	<i>4 May</i>	<i>5 May</i>	<i>6 May</i>	<i>7 May</i>	<i>8 May</i>	<i>9 May</i>
3525	3612	3704	3777	3840	3912	3960
3596	3700	3802	3889	3971	4048	4110
3674	3786	3902	3995	4111	4191	4268

Note: Prediction intervals are based on 1,000 bootstrap replications. The point predictions are the mean of the bootstrap sample for each day, so these differ from the simple extrapolation from the estimated Logistic curve.

ONTARIO

1. Total Cases

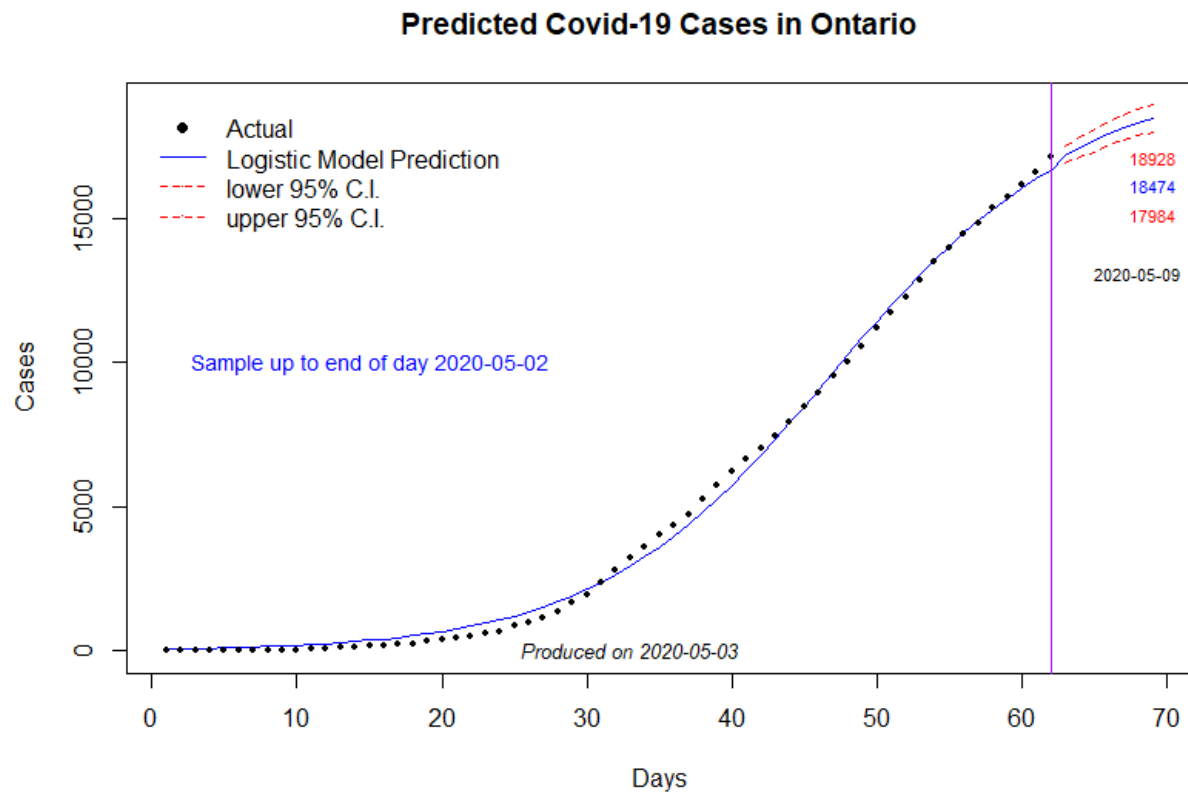


Table 3: Projected Covid-19 Cases in Ontario

(95% Prediction Intervals are in Red; Actual Values are in Brackets)

Sample end (projection made): 28 April						
<i>29 Apr</i>	<i>30 Apr</i>	<i>1 May</i>	<i>2 May</i>	<i>3 May</i>	<i>4 May</i>	<i>5 May</i>
15273	15542	15798	16022	16212	16432	16589
15565	15881	16171	16443	16688	16913	17110
[15728]	[16187]	[16608]	[17119]			
15881	16227	16550	16900	17161	17450	17667
Sample end (projection made): 29 April						
<i>30 Apr</i>	<i>1 May</i>	<i>2 May</i>	<i>3 May</i>	<i>4 May</i>	<i>5 May</i>	<i>6 May</i>
15658	15928	16214	16439	16624	16814	16939
15987	16275	16575	16819	17042	17265	17452
[16187]	[16608]	[17119]				
16318	16624	16947	17244	17520	17753	17983
Sample end (projection made): 30 April						
<i>1 May</i>	<i>2 May</i>	<i>3 May</i>	<i>4 May</i>	<i>5 May</i>	<i>6 May</i>	<i>7 May</i>
16069	16327	16590	16809	16965	17152	17329
16391	16674	16947	17193	17397	17612	17793
[16608]	[17119]					
16698	17020	17313	17590	17846	18070	18316
Sample end (projection made): 1 May						
<i>2 May</i>	<i>3 May</i>	<i>4 May</i>	<i>5 May</i>	<i>6 May</i>	<i>7 May</i>	<i>8 May</i>
16485	16717	16938	17159	17338	17496	17642
16793	17062	17324	17545	17764	17950	18127
[17119]						
17116	17441	17722	17954	18251	18438	18626
Sample end (projection made): 2 May						
<i>3 May</i>	<i>4 May</i>	<i>5 May</i>	<i>6 May</i>	<i>7 May</i>	<i>8 May</i>	<i>9 May</i>
16891	17127	17315	17541	17698	17861	17984
17200	17456	17709	17925	18131	18305	18474
17519	17849	18091	18341	18594	18774	18928

Note: Prediction intervals are based on 1,000 bootstrap replications. The point predictions are the mean of the bootstrap sample for each day, so these differ from the simple extrapolation from the estimated Logistic curve.

2. Total Number of Deaths

Max: 1,500 – 1,600

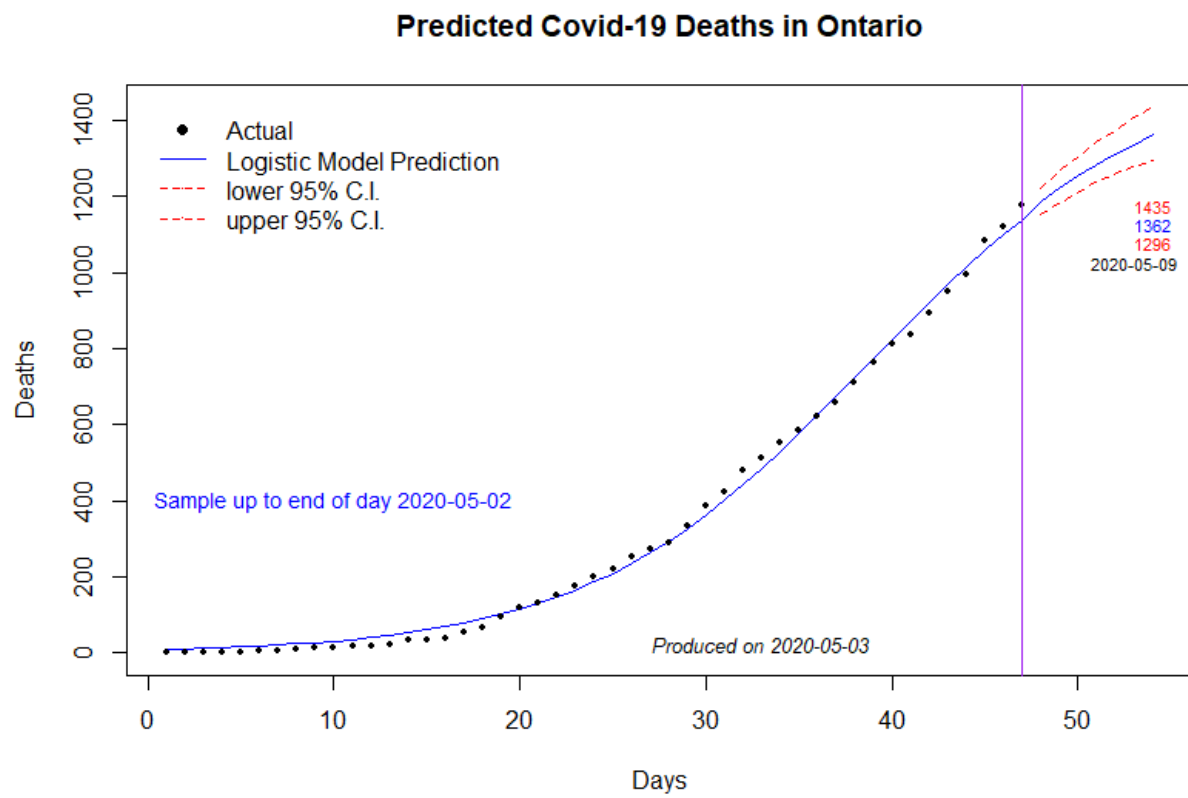


Table 4: Projected Covid-19 Deaths in Ontario

(95% Prediction Intervals are in Red; Actual Values are in Brackets)

Sample end (projection made): 28 April						
<i>29 Apr</i>	<i>30 Apr</i>	<i>1 May</i>	<i>2 May</i>	<i>3 May</i>	<i>4 May</i>	<i>5 May</i>
934	960	983	1003	1020	1036	1050
958	987	1014	1037	1059	1078	1096
[996]	[1082]	[1121]	[1176]			
986	1017	1048	1074	1101	1124	1148
Sample end (projection made): 29 April						
<i>30 Apr</i>	<i>1 May</i>	<i>2 May</i>	<i>3 May</i>	<i>4 May</i>	<i>5 May</i>	<i>6 May</i>
980	1005	1033	1052	1069	1084	1101
1005	1035	1064	1087	1110	1128	1148
[1082]	[1121]	[1176]				
1031	1064	1097	1124	1158	1173	1200
Sample end (projection made): 30 April						
<i>1 May</i>	<i>2 May</i>	<i>3 May</i>	<i>4 May</i>	<i>5 May</i>	<i>6 May</i>	<i>7 May</i>
1042	1069	1096	1121	1141	1156	1176
1072	1104	1134	1162	1187	1210	1229
[1121]	[1176]					
1105	1143	1173	1210	1243	1272	1296
Sample end (projection made): 1 May						
<i>2 May</i>	<i>3 May</i>	<i>4 May</i>	<i>5 May</i>	<i>6 May</i>	<i>7 May</i>	<i>8 May</i>
1101	1128	1151	1179	1200	1216	1236
1129	1163	1194	1223	1250	1275	1296
[1176]						
1163	1202	1239	1278	1309	1344	1363
Sample end (projection made): 2 May						
<i>3 May</i>	<i>4 May</i>	<i>5 May</i>	<i>6 May</i>	<i>7 May</i>	<i>8 May</i>	<i>9 May</i>
1152	1181	1211	1236	1257	1279	1296
1185	1222	1254	1284	1311	1336	1362
1222	1265	1302	1344	1373	1409	1435

Note: Prediction intervals are based on 1,000 bootstrap replications. The point predictions are the mean of the bootstrap sample for each day, so these differ from the simple extrapolation from the estimated Logistic curve.