

Appendix 2 (as supplied by the authors)

Supplementary Table 1: Comparing the estimated case fatality proportion for confirmed cases reported up to May 20, 2020 in the Greater Toronto Area using iPHIS data extracted on May 31 vs. on Aug 6, 2020.

	May 31, 2020 data cut	Aug 6, 2020 data cut
%death (case fatality proportion)	1437 (8.7%)	1672 (10.1%)
%resolved	14342 (87%)	14839 (89.8%)
%outcome unknown	711 (4.3%)	10 (0.1%)
Time from case report date to death	Min = -52 IQR = 2 – 12 Median = 7 Max = 50	Min = -29 IQR = 3 - 13 Median = 7 Max = 89

Abbreviation: iPHIS (integrated public health information system); IQR (inter-quartile range)

Supplementary Table 2: Cumulative and daily number of diagnosed COVID-19 cases in the Greater Toronto Area by outbreak setting as of May 20th, 2020.

Setting*	Cumulative cases, N(%)	Daily cases on May 20, N(%)
LTCH residents	3368 (20.4%)	42 (13.5%)
LTCH staff	1043 (6.3%)	14 (4.5%)
LTCH other	425 (2.6%)	5 (1.6%)
Shelter	372 (2.3%)	3 (1.0%)
Retirement home	620 (3.8%)	1 (0.3%)
Group home	294 (1.8%)	0 (0%)
Correctional facility	100 (0.6%)	0 (0%)
Hospital	575 (3.5%)	1 (0.3%)
Other congregate outbreak settings	389 (2.4%)	19 (6.1%)
Travel related	674 (4.1%)	0 (0%)
Close contact of a confirmed case	2945 (17.9%)	91 (29.3%)
No known epidemiological link	2889 (17.5%)	98 (31.5%)
Information missing	2796 (17.0%)	37 (11.9%)

*Settings are defined as mutually exclusive categories by the order shown in the table (from top to bottom) in the event of multiple exposures. LTCH-other may include volunteers; other congregate outbreak settings include hospitals, correctional facilities, retirement homes, group homes, and other not

yet classified such as workplaces. Information missing category excludes congregate setting cases. Abbreviations: LTCH, long-term care home.

Supplementary Table 3: Age and sex-specific comparison in cumulative case fatality proportion and the proportion of individuals tested positive between LTCH residents and the rest of the population in the Greater Toronto Area as of May 20, 2020.

	Male		Female	
	LTCH	Rest of the population*	LTCH	Rest of the population*
Case fatality proportion				
Age 60-70	17 (17.3%)	62 (7.1%)	18 (21.2%)	25 (2.8%)
Age 70-80	71 (27.5%)	88 (21.3%)	57 (18.2%)	34 (10.0%)
Age 80+	264 (37.4%)	111 (30.5%)	457 (26.4%)	133 (22.8%)
Case fatality rate ratio				
Age 60-70	2.4 (1.5 – 4.0)	ref	7.6 (4.3 – 13.3)	ref
Age 70-80	1.3 (1.0 – 1.7)	ref	1.8 (1.2 – 2.7)	ref
Age 80+	1.2 (1.0 – 1.5)	ref	1.2 (1.0 – 1.4)	ref
Proportion tested positive				
Age 60-70	156 (19.2%)	801 (10.4%)	134 (17.1%)	815 (7.5%)
Age 70-80	262 (17.4%)	382 (7.5%)	304 (14.5%)	319 (6.2%)
Age 80+	673 (16.2%)	331 (5.6%)	1621 (14.0%)	513 (5.5%)
Test positivity rate ratio				
Age 60-70	1.9 (1.6 – 2.2)	ref	2.3 (1.9 – 2.7)	ref
Age 70-80	2.3 (2.0 – 2.7)	ref	2.4 (2.0 – 2.7)	ref
Age 80+	2.9 (2.5 – 3.3)	ref	2.6 (2.3 – 2.8)	ref

*Excludes the identifiable persons using shelters. Abbreviation: LTCH, long-term care home.