

# PEEL COVID CASES @ 5 sigma

| Test Date   | cases | Low | High | Outliers | Comments | Range | Limit | Outliers | notes    | Comments / CAP                           |
|-------------|-------|-----|------|----------|----------|-------|-------|----------|----------|--|
| Dec 20/2020 | 468   | OK  | OK   |          |          |       |       |          |          |  |
| Dec 21/2020 | 480   | OK  | OK   |          |          | 12    | OK    |          |          | first vaccine Pfizer dec 14              |
| Dec 22/2020 | 504   | OK  | OK   |          |          | 24    | OK    |          |          |  |
| Dec 23/2020 | 448   | OK  | OK   |          |          | 56    | OK    |          |          | Moderna approved; Province shut down     |
| Dec 24/2020 | 502   | OK  | OK   |          |          | 54    | OK    |          |          |  |
| Dec 25/2020 | 385   | OK  | OK   |          |          |       | Fail  | 117      | dropped  | Christmas day C: Vaccine A: N/A P: N/A   |
| Dec 26/2020 | 344   | OK  | OK   |          |          | 41    | OK    |          |          |  |
| Dec 27/2020 | 331   | OK  | OK   |          |          | 13    | OK    |          |          |  |
| Dec 28/2020 | 475   | OK  | OK   |          |          |       | Fail  | 144      | increase | C: Christmas A: shut down P: vaccine     |
| Dec 29/2020 | 496   | OK  | OK   |          |          | 21    | OK    |          |          |  |
| Dec 30/2020 | 441   | OK  | OK   |          |          | 55    | OK    |          |          |  |
| Dec 31/2020 | 431   | OK  | OK   |          |          | 10    | OK    |          |          | new years eve                            |
| Jan 1/2021  | 480   | OK  | OK   |          |          | 49    | OK    |          |          | new years day                            |
| Jan 2/2021  | 713   | OK  | OK   |          |          |       | Fail  | 233      | increase | C: Christmas A: shut down P: vaccine     |
| Jan 3/2021  | 346   | OK  | OK   |          |          |       | Fail  | 367      | dropped  | C: Vaccine A: N/A P: N/A                 |
| Jan 4/2021  | 581   | OK  | OK   |          |          |       | Fail  | 235      | increase | C: Christmas A: shut down P: vaccine     |
| Jan 5/2021  | 614   | OK  | OK   |          |          | 33    | OK    |          |          |  |
| Jan 6/2021  | 523   | OK  | OK   |          |          |       | Fail  | 91       | dropped  | C: Vaccine A: N/A P: N/A                 |
| Jan 7/2021  | 568   | OK  | OK   |          |          | 45    | OK    |          |          |  |
| Jan 8/2021  | 691   | OK  | OK   |          |          |       | Fail  | 123      | increase | C: New Years Day A: shut down P: vaccine |
| Jan 9/2021  | 548   | OK  | OK   |          |          |       | Fail  | 143      | dropped  | C: Vaccine A: N/A P: N/A                 |
| Jan 10/2021 | 641   | OK  | OK   |          |          |       | Fail  | 93       | increase | C: New Years Day A: shut down P: vaccine |
| Jan 11/2021 | 531   | OK  | OK   |          |          |       | Fail  | 110      | dropped  | C: Vaccine A: N/A P: N/A                 |
| Jan 12/2021 | 545   | OK  | OK   |          |          | 14    | OK    |          |          |  |
| Jan 13/2021 | 536   | OK  | OK   |          |          | 9     | OK    |          |          |  |
| Jan 14/2021 | 572   | OK  | OK   |          |          | 36    | OK    |          |          |  |
| Jan 15/2021 | 618   | OK  | OK   |          |          | 46    | OK    |          |          |  |
| Jan 16/2021 | 639   | OK  | OK   |          |          | 21    | OK    |          |          |  |
| Jan 17/2021 | 585   | OK  | OK   |          |          | 54    | OK    |          |          |  |
| Jan 18/2021 | 507   | OK  | OK   |          |          |       | OK    | 78       | dropped  | C: Vaccine A: N/A P: N/A                 |
| Jan 19/2021 | 346   | OK  | OK   |          |          |       | Fail  | 161      | dropped  | C: Vaccine A: N/A P: N/A                 |
| Jan 20/2021 | 473   | OK  | OK   |          |          |       | Fail  | 127      | increase | C: Alpha A: N/A P: vaccine               |
| Jan 21/2021 | 412   | OK  | OK   |          |          | 61    | OK    |          |          |  |
| Jan 22/2021 | 542   | OK  | OK   |          |          |       | Fail  | 130      | increase | C: Alpha A: N/A P: vaccine               |
| Jan 23/2021 | 422   | OK  | OK   |          |          |       | Fail  | 120      | dropped  | C: Vaccine A: N/A P: N/A                 |
| Jan 24/2021 | 404   | OK  | OK   |          |          | 18    | OK    |          |          |  |
| Jan 25/2021 | 365   | OK  | OK   |          |          | 39    | OK    |          |          |  |
| Jan 26/2021 | 320   | OK  | OK   |          |          | 45    | OK    |          |          |  |
| Jan 27/2021 | 342   | OK  | OK   |          |          | 22    | OK    |          |          |  |
| Jan 28/2021 | 331   | OK  | OK   |          |          | 11    | OK    |          |          |  |

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|-------------|-------|-----|------|----------|----------|-------|-------|----------|----------|---|
| Jan 29/2021 | 295   | OK  | OK   |          |          | 36    | OK    |          |          |   |
| Jan 30/2021 | 379   | OK  | OK   |          |          |       | Fail  | 84       | increase | C: Alpha A: N/A P: vaccine                            |
| Jan 31/2021 | 206   | OK  | OK   |          |          |       | Fail  | 173      | dropped  | C: Vaccine A: N/A P: N/A                              |
| Feb 1/2021  | 330   | OK  | OK   |          |          |       | Fail  | 124      | increase | C: Alpha A: N/A P: vaccine                            |
| Feb 2/2021  | 334   | OK  | OK   |          |          | 4     | OK    |          |          |   |
| Feb 3/2021  | 199   | OK  | OK   |          |          |       | Fail  | 135      | dropped  | C: Vaccine A: N/A P: N/A                              |
| Feb 4/2021  | 265   | OK  | OK   |          |          | 66    | OK    |          |          |   |
| Feb 5/2021  | 317   | OK  | OK   |          |          | 52    | OK    |          |          |   |
| Feb 6/2021  | 288   | OK  | OK   |          |          | 29    | OK    |          |          |   |
| Feb 7/2021  | 261   | OK  | OK   |          |          | 27    | OK    |          |          |   |
| Feb 8/2021  | 256   | OK  | OK   |          |          | 5     | OK    |          |          |   |
| Feb 9/2021  | 250   | OK  | OK   |          |          | 6     | OK    |          |          |   |
| Feb 10/2021 | 196   | OK  | OK   |          |          | 54    | OK    |          |          |   |
| Feb 11/2021 | 258   | OK  | OK   |          |          | 62    | OK    |          |          |   |
| Feb 12/2021 | 210   | OK  | OK   |          |          | 48    | OK    |          |          |   |
| Feb 13/2021 | 253   | OK  | OK   |          |          | 43    | OK    |          |          |   |
| Feb 14/2021 | 209   | OK  | OK   |          |          | 44    | OK    |          |          |   |
| Feb 15/2021 | 201   | OK  | OK   |          |          | 8     | OK    |          |          | Family Day  |
| Feb 16/2021 | 154   | OK  | OK   |          |          | 47    | OK    |          |          |   |
| Feb 17/2021 | 170   | OK  | OK   |          |          | 16    | OK    |          |          |   |
| Feb 18/2021 | 142   | OK  | OK   |          |          | 28    | OK    |          |          |   |
| Feb 19/2021 | 264   | OK  | OK   |          |          |       | Fail  | 122      | increase | C: Family Day A: Shut down P: Vaccine                 |
| Feb 20/2021 | 228   | OK  | OK   |          |          | 36    | OK    |          |          |   |
| Feb 21/2021 | 156   | OK  | OK   |          |          | 72    | OK    |          |          | C: Vaccine A: N/A P: N/A                              |
| Feb 22/2021 | 215   | OK  | OK   |          |          | 59    | OK    |          |          |   |
| Feb 23/2021 | 186   | OK  | OK   |          |          | 29    | OK    |          |          |   |
| Feb 24/2021 | 186   | OK  | OK   |          |          | 0     | OK    |          |          |   |
| Feb 25/2021 | 204   | OK  | OK   |          |          | 18    | OK    |          |          |   |
| Feb 26/2021 | 274   | OK  | OK   |          |          | 70    | OK    |          |          | C: Family Day A: Shut down P: Vaccine, Astra approved |
| Feb 27/2021 | 220   | OK  | OK   |          |          | 54    | OK    |          |          |   |
| Feb 28/2021 | 201   | OK  | OK   |          |          | 19    | OK    |          |          |   |
| Mar 1/2021  | 182   | OK  | OK   |          |          | 19    | OK    |          |          |   |
| Mar 2/2021  | 223   | OK  | OK   |          |          | 41    | OK    |          |          |   |
| Mar 3/2021  | 92    | OK  | OK   |          |          |       | Fail  | 131      | Dropped  | C: Vaccine A: N/A P: N/A                              |
| Mar 4/2021  | 64    | OK  | OK   |          |          | 28    | OK    |          |          |   |
| Mar 5/2021  | 167   | OK  | OK   |          |          |       | Fail  | 103      | increase | C: Alpha A: N/A P: vaccine                            |
| Mar 6/2021  | 173   | OK  | OK   |          |          | 6     | OK    |          |          |   |
| Mar 7/2021  | 192   | OK  | OK   |          |          | 19    | OK    |          |          |   |
| Mar 8/2021  | 322   | OK  | OK   |          |          |       | Fail  | 130      | dropped  | C: Vaccine A: N/A P: N/A                              |
| Mar 9/2021  | 235   | OK  | OK   |          |          |       | Fail  | 87       | dropped  | C: Vaccine A: N/A P: N/A                              |
| Mar 10/2021 | 244   | OK  | OK   |          |          | 9     | OK    |          |          |   |

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|-------------|-------|-----|------|----------|----------|-------|-------|----------|----------|---|
| Mar 11/2021 | 199   | OK  | OK   |          |          | 45    | OK    |          |          |   |
| Mar 12/2021 | 225   | OK  | OK   |          |          | 26    | OK    |          |          |   |
| Mar 13/2021 | 225   | OK  | OK   |          |          | 0     | OK    |          |          |   |
| Mar 14/2021 | 352   | OK  | OK   |          |          |       | Fail  | 127      | increase | C: Alpha A: N/A P: vaccine                    |
| Mar 15/2021 | 220   | OK  | OK   |          |          |       | Fail  | 132      | dropped  | C: Vaccine A: N/A P: N/A                      |
| Mar 16/2021 | 199   | OK  | OK   |          |          | 21    | OK    |          |          |   |
| Mar 17/2021 | 253   | OK  | OK   |          |          | 54    | OK    |          |          |   |
| Mar 18/2021 | 294   | OK  | OK   |          |          | 41    | OK    |          |          |   |
| Mar 19/2021 | 344   | OK  | OK   |          |          | 50    | OK    |          |          |   |
| Mar 20/2021 | 287   | OK  | OK   |          |          | 57    | OK    |          |          |   |
| Mar 21/2021 | 350   | OK  | OK   |          |          | 63    | OK    |          |          |   |
| Mar 22/2021 | 318   | OK  | OK   |          |          | 32    | OK    |          |          |   |
| Mar 23/2021 | 329   | OK  | OK   |          |          | 11    | OK    |          |          |   |
| Mar 24/2021 | 309   | OK  | OK   |          |          | 20    | OK    |          |          |   |
| Mar 25/2021 | 294   | OK  | OK   |          |          | 15    | OK    |          |          |   |
| Mar 26/2021 | 397   | OK  | OK   |          |          |       | Fail  | 103      | increase | C: Alpha A: N/A P: vaccine                    |
| Mar 27/2021 | 411   | OK  | OK   |          |          | 14    | OK    |          |          |   |
| Mar 28/2021 | 356   | OK  | OK   |          |          | 55    | OK    |          |          |   |
| Mar 29/2021 | 368   | OK  | OK   |          |          | 12    | OK    |          |          |   |
| Mar 30/2021 | 434   | OK  | OK   |          |          | 66    | OK    |          |          |   |
| Mar 31/2021 | 433   | OK  | OK   |          |          | 1     | OK    |          |          |   |
| Apr 1/2021  | 484   | OK  | OK   |          |          | 51    | OK    |          |          | shut down starts                              |
| Apr 2/2021  | 539   | OK  | OK   |          |          | 55    | OK    |          |          | Good Friday - long weekend                    |
| Apr 3/2021  | 434   | OK  | OK   |          |          |       | Fail  | 105      | Dropped  | Long weekend C: Vaccine A: N/A P: N/A         |
| Apr 4/2021  | 644   | OK  | OK   |          |          |       | Fail  | 210      | increase | Easter Sunday                                 |
| Apr 5/2021  | 533   | OK  | OK   |          |          |       | Fail  | 111      | Dropped  | C: Vaccine A: N/A P: N/A                      |
| Apr 6/2021  | 561   | OK  | OK   |          |          | 28    | OK    |          |          |   |
| Apr 7/2021  | 596   | OK  | OK   |          |          | 35    | OK    |          |          |   |
| Apr 8/2021  | 647   | OK  | OK   |          |          | 51    | OK    |          |          |   |
| Apr 9/2021  | 762   | OK  | OK   |          |          |       | Fail  | 115      | increase | C: Easter Dinner A: Shut down P: Vaccine      |
| Apr 10/2021 | 669   | OK  | OK   |          |          |       | Fail  | 93       | increase | C: Easter Dinner A: Shut down P: Vaccine      |
| Apr 11/2021 | 860   | OK  | OK   |          |          |       | Fail  | 191      | increase | shut down extended C: Vaccine A: N/A P: N/A   |
| Apr 12/2021 | 772   | OK  | OK   |          |          |       | Fail  | 88       | dropped  | 2021 ramadan starts; C: Vaccine A: N/A P: N/A |
| Apr 13/2021 | 613   | OK  | OK   |          |          |       | Fail  | 159      | dropped  | C: Vaccine A: N/A P: N/A                      |
| Apr 14/2021 | 593   | OK  | OK   |          |          | 20    | OK    |          |          |   |
| Apr 15/2021 | 983   | OK  | OK   |          |          |       | Fail  | 390      | increase | C: Ramadan/Easter A: shut down P: vaccine     |
| Apr 16/2021 | 851   | OK  | OK   |          |          |       | Fail  | 132      | Dropped  | C: Vaccine A: N/A P: N/A                      |
| Apr 17/2021 | 936   | OK  | OK   |          |          |       | Fail  | 85       | Dropped  | C: Ramadan/Easter A: shut down P: vaccine     |
| Apr 18/2021 | 714   | OK  | OK   |          |          |       | Fail  | 222      | dropped  |   |
| Apr 19/2021 | 926   | OK  | OK   |          |          |       | Fail  | 212      | increase | C: Ramadan/Easter A: shut down P: vaccine     |
| Apr 20/2021 | 775   | OK  | OK   |          |          |       | Fail  | 151      | dropped  | vaccine 40+                                   |

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|-------------|-------|-----|------|----------|----------|-------|-------|----------|----------|---|
| Apr 21/2021 | 771   | OK  | OK   |          |          | 4     | OK    |          |          |   |
| Apr 22/2021 | 507   | OK  | OK   |          |          |       | Fail  | 264      | increase | C: Ramadan/Easter A: shut down P: vaccine         |
| Apr 23/2021 | 1232  | OK  | OK   |          | 1st apex |       | Fail  | 725      | increase | C: Easter Dinner Ramadam A: Shut down P: Vaccine, |
| Apr 24/2021 | 1014  | OK  | OK   |          |          |       | Fail  | 218      | dropped  | C: Vaccine A: N/A P: N/A                          |
| Apr 25/2021 | 901   | OK  | OK   |          |          |       | Fail  | 113      | dropped  | C: Vaccine A: N/A P: N/A                          |
| Apr 26/2021 | 909   | OK  | OK   |          |          | 8     | OK    |          |          |   |
| Apr 27/2021 | 673   | OK  | OK   |          |          |       | Fail  | 236      | dropped  | C: Vaccine A: N/A P: N/A                          |
| Apr 28/2021 | 589   | OK  | OK   |          |          |       | Fail  | 84       | dropped  | C: Vaccine A: N/A P: N/A                          |
| Apr 29/2021 | 901   | OK  | OK   |          |          |       | Fail  | 312      | increase | C: Ramadan/Easter A: shut down P: vaccine         |
| Apr 30/2021 | 871   | OK  | OK   |          |          | 30    | OK    |          |          |   |
| May 1/2021  | 819   | OK  | OK   |          |          | 52    | OK    |          |          |   |
| May 2/2021  | 797   | OK  | OK   |          |          | 22    | OK    |          |          |   |
| May 3/2021  | 714   | OK  | OK   |          |          |       | Fail  | 83       | dropped  | vaccine 18+ hot zones; C:Vaccine A:N/A P:N/A      |
| May 4/2021  | 653   | OK  | OK   |          |          | 61    | OK    |          |          |   |
| May 5/2021  | 565   | OK  | OK   |          |          |       | Fail  | 88       | dropped  | C: Vaccine A: N/A P: N/A                          |
| May 6/2021  | 900   | OK  | OK   |          |          |       | Fail  | 335      | increase | C: Ramadan/Easter A: shut down P: vaccine         |
| May 7/2021  | 817   | OK  | OK   |          |          |       | Fail  | 83       | dropped  | C: Vaccine A: N/A P: N/A                          |
| May 8/2021  | 803   | OK  | OK   |          |          | 14    | OK    |          |          |   |
| May 9/2021  | 752   | OK  | OK   |          |          | 51    | OK    |          |          |   |
| May 10/2021 | 707   | OK  | OK   |          |          | 45    | OK    |          |          |   |
| May 11/2021 | 389   | OK  | OK   |          |          |       | Fail  | 318      | dropped  | C: Vaccine A: N/A P: N/A                          |
| May 12/2021 | 452   | OK  | OK   |          |          | 63    | OK    |          |          | 2021 ramadan ends                                 |
| May 13/2021 | 602   | OK  | OK   |          |          |       | Fail  | 150      | increase | C: Ramadan A: shut down P: vaccine                |
| May 14/2021 | 563   | OK  | OK   |          |          | 39    | OK    |          |          |   |
| May 15/2021 | 584   | OK  | OK   |          |          | 21    | OK    |          |          |   |
| May 16/2021 | 547   | OK  | OK   |          |          | 37    | OK    |          |          | 36 hour vaccine clinic peel                       |
| May 17/2021 | 556   | OK  | OK   |          |          | 9     | OK    |          |          |   |
| May 18/2021 | 336   | OK  | OK   |          |          |       | Fail  | 220      | dropped  | C: Vaccine A: N/A P: N/A                          |
| May 19/2021 | 335   | OK  | OK   |          |          | 1     | OK    |          |          |   |
| May 20/2021 | 528   | OK  | OK   |          |          |       | Fail  | 193      | increase | C: Ramadam A: shut down P: vaccine                |
| May 21/2021 | 468   | OK  | OK   |          |          | 60    | OK    |          |          | outdoor reopening May 22nd                        |
| May 22/2021 | 355   | OK  | OK   |          |          |       | Fail  | 113      | dropped  | C: Vaccine A: N/A P: N/A                          |
| May 23/2021 | 326   | OK  | OK   |          |          | 29    | OK    |          |          |   |
| May 24/2021 | 393   | OK  | OK   |          |          | 67    | OK    |          |          | Victoria Day                                      |
| May 25/2021 | 231   | OK  | OK   |          |          |       | Fail  | 162      | dropped  | C: Vaccine A: N/A P: N/A                          |
| May 26/2021 | 215   | OK  | OK   |          |          | 16    | OK    |          |          |   |
| May 27/2021 | 271   | OK  | OK   |          |          | 56    | OK    |          |          |   |
| May 28/2021 | 268   | OK  | OK   |          |          | 3     | OK    |          |          |   |
| May 29/2021 | 178   | OK  | OK   |          |          |       | Fail  | 90       | dropped  | C: Vaccine A: N/A P: N/A                          |
| May 30/2021 | 214   | OK  | OK   |          |          | 36    | OK    |          |          |   |
| May 31/2021 | 165   | OK  | OK   |          |          | 49    | OK    |          |          |   |

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|-------------|-------|-----|------|----------|----------|-------|-------|----------|-------|------------------------|
| Jun 1/2021  | 144   | OK  | OK   |          |          | 21    | OK    |          |       |                        |
| Jun 2/2021  | 134   | OK  | OK   |          |          | 10    | OK    |          |       |                        |
| Jun 3/2021  | 167   | OK  | OK   |          |          | 33    | OK    |          |       |                        |
| Jun 4/2021  | 169   | OK  | OK   |          |          | 2     | OK    |          |       |                        |
| Jun 5/2021  | 123   | OK  | OK   |          |          | 46    | OK    |          |       |                        |
| Jun 6/2021  | 112   | OK  | OK   |          |          | 11    | OK    |          |       |                        |
| Jun 7/2021  | 95    | OK  | OK   |          |          | 17    | OK    |          |       |                        |
| Jun 8/2021  | 76    | OK  | OK   |          |          | 19    | OK    |          |       |                        |
| Jun 9/2021  | 72    | OK  | OK   |          |          | 4     | OK    |          |       |                        |
| Jun 10/2021 | 130   | OK  | OK   |          |          | 58    | OK    |          |       |                        |
| Jun 11/2021 | 84    | OK  | OK   |          |          | 46    | OK    |          |       | stage 1 reopening      |
| Jun 12/2021 | 71    | OK  | OK   |          |          | 13    | OK    |          |       |                        |
| Jun 13/2021 | 81    | OK  | OK   |          |          | 10    | OK    |          |       |                        |
| Jun 14/2021 | 61    | OK  | OK   |          |          | 20    | OK    |          |       | Delta variant detected |
| Jun 15/2021 | 62    | OK  | OK   |          |          | 1     | OK    |          |       |                        |
| Jun 16/2021 | 60    | OK  | OK   |          |          | 2     | OK    |          |       |                        |
| Jun 17/2021 | 47    | OK  | OK   |          |          | 13    | OK    |          |       |                        |
| Jun 18/2021 | 50    | OK  | OK   |          |          | 3     | OK    |          |       |                        |
| Jun 19/2021 | 45    | OK  | OK   |          |          | 5     | OK    |          |       |                        |
| Jun 20/2021 | 49    | OK  | OK   |          |          | 4     | OK    |          |       |                        |
| Jun 21/2021 | 42    | OK  | OK   |          |          | 7     | OK    |          |       |                        |
| Jun 22/2021 | 20    | OK  | OK   |          |          | 22    | OK    |          |       |                        |
| Jun 23/2021 | 25    | OK  | OK   |          |          | 5     | OK    |          |       |                        |
| Jun 24/2021 | 20    | OK  | OK   |          |          | 5     | OK    |          |       |                        |
| Jun 25/2021 | 38    | OK  | OK   |          |          | 18    | OK    |          |       |                        |
| Jun 26/2021 | 34    | OK  | OK   |          |          | 4     | OK    |          |       |                        |
| Jun 27/2021 | 26    | OK  | OK   |          |          | 8     | OK    |          |       |                        |
| Jun 28/2021 | 15    | OK  | OK   |          |          | 11    | OK    |          |       |                        |
| Jun 29/2021 | 20    | OK  | OK   |          |          | 5     | OK    |          |       |                        |
| Jun 30/2021 | 16    | OK  | OK   |          |          | 4     | OK    |          |       | Stage 2 starts         |
| Jul 1/2021  | 26    | OK  | OK   |          |          | 10    | OK    |          |       | Canada Day             |
| Jul 2/2021  | 15    | OK  | OK   |          |          | 11    | OK    |          |       |                        |
| Jul 3/2021  | 12    | OK  | OK   |          |          | 3     | OK    |          |       |                        |
| Jul 4/2021  | 17    | OK  | OK   |          |          | 5     | OK    |          |       |                        |
| Jul 5/2021  | 8     | OK  | OK   |          |          | 9     | OK    |          |       |                        |
| Jul 6/2021  | 26    | OK  | OK   |          |          | 18    | OK    |          |       |                        |
| Jul 7/2021  | 26    | OK  | OK   |          |          | 0     | OK    |          |       |                        |
| Jul 8/2021  | 23    | OK  | OK   |          |          | 3     | OK    |          |       |                        |
| Jul 9/2021  | 24    | OK  | OK   |          |          | 1     | OK    |          |       |                        |
| Jul 10/2021 | 21    | OK  | OK   |          |          | 3     | OK    |          |       |                        |
| Jul 11/2021 | 18    | OK  | OK   |          |          | 3     | OK    |          |       |                        |

\*\*Failure is a statcal movement of 1.4 parts per million

## PEEL COVID CASES @ 5 sigma

| Test Date   | cases | Low | High | Outliers | Comments | Range | Limit | Outliers | notes | Comments / CAP                          |
|-------------|-------|-----|------|----------|----------|-------|-------|----------|-------|---|
| Jul 12/2021 | 9     | OK  | OK   |          |          | 9     | OK    |          |       |   |
| Jul 13/2021 | 13    | OK  | OK   |          |          | 4     | OK    |          |       |   |
| Jul 14/2021 | 19    | OK  | OK   |          |          | 6     | OK    |          |       |   |
| Jul 15/2021 | 7     | OK  | OK   |          |          | 12    | OK    |          |       |   |
| Jul 16/2021 | 12    | OK  | OK   |          |          | 5     | OK    |          |       | stage 3 starts; Ontario partial opening |
| Jul 17/2021 | 20    | OK  | OK   |          |          | 8     | OK    |          |       |   |
| Jul 18/2021 | 12    | OK  | OK   |          |          | 8     | OK    |          |       |   |
| Jul 19/2021 | 17    | OK  | OK   |          |          | 5     | OK    |          |       |   |
| Jul 20/2021 | 10    | OK  | OK   |          |          | 7     | OK    |          |       |   |
| Jul 21/2021 | 16    | OK  | OK   |          |          | 6     | OK    |          |       |   |
| Jul 22/2021 | 13    | OK  | OK   |          |          | 3     | OK    |          |       |   |
| Jul 23/2021 | 25    | OK  | OK   |          |          | 12    | OK    |          |       |   |
| Jul 24/2021 | 26    | OK  | OK   |          |          | 1     | OK    |          |       |   |
| Jul 25/2021 | 23    | OK  | OK   |          |          | 3     | OK    |          |       |   |
| Jul 26/2021 | 13    | OK  | OK   |          |          | 10    | OK    |          |       |   |
| Jul 27/2021 | 22    | OK  | OK   |          |          | 9     | OK    |          |       |   |
| Jul 28/2021 | 10    | OK  | OK   |          |          | 12    | OK    |          |       |   |
| Jul 29/2021 | 38    | OK  | OK   |          |          | 28    | OK    |          |       |   |
| Jul 30/2021 | 24    | OK  | OK   |          |          | 14    | OK    |          |       |   |
| Jul 31/2021 | 26    | OK  | OK   |          |          | 2     | OK    |          |       |   |
| Aug 1/2021  | 33    | OK  | OK   |          |          | 7     | OK    |          |       |   |
| Aug 2/2021  | 19    | OK  | OK   |          |          | 14    | OK    |          |       | Civic Day                               |
| Aug 3/2021  | 22    | OK  | OK   |          |          | 3     | OK    |          |       |   |
| Aug 4/2021  | 18    | OK  | OK   |          |          | 4     | OK    |          |       |   |
| Aug 5/2021  | 31    | OK  | OK   |          |          | 13    | OK    |          |       |   |
| Aug 6/2021  | 36    | OK  | OK   |          |          | 5     | OK    |          |       |   |
| Aug 7/2021  | 38    | OK  | OK   |          |          | 2     | OK    |          |       |   |
| Aug 8/2021  | 51    | OK  | OK   |          |          | 13    | OK    |          |       |   |
| Aug 9/2021  | 47    | OK  | OK   |          |          | 4     | OK    |          |       |   |
| Aug 10/2021 | 31    | OK  | OK   |          |          | 16    | OK    |          |       |   |
| Aug 11/2021 | 30    | OK  | OK   |          |          | 1     | OK    |          |       |   |
| Aug 12/2021 | 64    | OK  | OK   |          |          | 34    | OK    |          |       |   |
| Aug 13/2021 | 61    | OK  | OK   |          |          | 3     | OK    |          |       |   |
| Aug 14/2021 | 67    | OK  | OK   |          |          | 6     | OK    |          |       |   |
| Aug 15/2021 | 69    | OK  | OK   |          |          | 2     | OK    |          |       |   |
| Aug 16/2021 | 83    | OK  | OK   |          |          | 14    | OK    |          |       |   |
| Aug 17/2021 | 45    | OK  | OK   |          |          | 38    | OK    |          |       |   |
| Aug 18/2021 | 59    | OK  | OK   |          |          | 14    | OK    |          |       |   |
| Aug 19/2021 | 63    | OK  | OK   |          |          | 4     | OK    |          |       |   |
| Aug 20/2021 | 113   | OK  | OK   |          |          | 50    | OK    |          |       |   |
| Aug 21/2021 | 94    | OK  | OK   |          |          | 19    | OK    |          |       |   |

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## PEEL COVID CASES @ 5 sigma

| Test Date   | cases | Low | High | Outliers | Comments | Range | Limit | Outliers | notes | Comments / CAP               |
|-------------|-------|-----|------|----------|----------|-------|-------|----------|-------|------------------------------|
| Aug 22/2021 | 63    | OK  | OK   |          |          | 31    | OK    |          |       |                              |
| Aug 23/2021 | 97    | OK  | OK   |          |          | 34    | OK    |          |       |                              |
| Aug 24/2021 | 82    | OK  | OK   |          |          | 15    | OK    |          |       |                              |
| Aug 25/2021 | 52    | OK  | OK   |          |          | 30    | OK    |          |       |                              |
| Aug 26/2021 | 102   | OK  | OK   |          |          | 50    | OK    |          |       |                              |
| Aug 27/2021 | 96    | OK  | OK   |          |          | 6     | OK    |          |       |                              |
| Aug 28/2021 | 114   | OK  | OK   |          |          | 18    | OK    |          |       |                              |
| Aug 29/2021 | 63    | OK  | OK   |          |          | 51    | OK    |          |       |                              |
| Aug 30/2021 | 104   | OK  | OK   |          |          | 41    | OK    |          |       |                              |
| Aug 31/2021 | 60    | OK  | OK   |          |          | 44    | OK    |          |       |                              |
| Sep 1/2021  | 59    | OK  | OK   |          |          | 1     | OK    |          |       |                              |
| Sep 2/2021  | 104   | OK  | OK   |          |          | 45    | OK    |          |       |                              |
| Sep 3/2021  | 136   | OK  | OK   |          |          | 32    | OK    |          |       |                              |
| Sep 4/2021  | 118   | OK  | OK   |          |          | 18    | OK    |          |       |                              |
| Sep 5/2021  | 100   | OK  | OK   |          |          | 18    | OK    |          |       |                              |
| Sep 6/2021  | 87    | OK  | OK   |          |          | 13    | OK    |          |       | Labour day                   |
| Sep 7/2021  | 52    | OK  | OK   |          |          | 35    | OK    |          |       |                              |
| Sep 8/2021  | 46    | OK  | OK   |          |          | 6     | OK    |          |       |                              |
| Sep 9/2021  | 73    | OK  | OK   |          |          | 27    | OK    |          |       |                              |
| Sep 10/2021 | 117   | OK  | OK   |          |          | 44    | OK    |          |       |                              |
| Sep 11/2021 | 100   | OK  | OK   |          |          | 17    | OK    |          |       |                              |
| Sep 12/2021 | 67    | OK  | OK   |          |          | 33    | OK    |          |       |                              |
| Sep 13/2021 | 84    | OK  | OK   |          |          | 17    | OK    |          |       |                              |
| Sep 14/2021 | 67    | OK  | OK   |          |          | 17    | OK    |          |       |                              |
| Sep 15/2021 | 61    | OK  | OK   |          |          | 6     | OK    |          |       |                              |
| Sep 16/2021 | 122   | OK  | OK   |          |          | 61    | OK    |          |       |                              |
| Sep 17/2021 | 77    | OK  | OK   |          |          | 45    | OK    |          |       |                              |
| Sep 18/2021 | 114   | OK  | OK   |          |          | 37    | OK    |          |       |                              |
| Sep 19/2021 | 59    | OK  | OK   |          |          | 55    | OK    |          |       |                              |
| Sep 20/2021 | 100   | OK  | OK   |          |          | 41    | OK    |          |       |                              |
| Sep 21/2021 | 80    | OK  | OK   |          |          | 20    | OK    |          |       |                              |
| Sep 22/2021 | 41    | OK  | OK   |          |          | 39    | OK    |          |       | Vaccine certificate required |
| Sep 23/2021 | 76    | OK  | OK   |          |          | 35    | OK    |          |       |                              |
| Sep 24/2021 | 83    | OK  | OK   |          |          | 7     | OK    |          |       |                              |
| Sep 25/2021 | 69    | OK  | OK   |          |          | 14    | OK    |          |       |                              |
| Sep 26/2021 | 55    | OK  | OK   |          |          | 14    | OK    |          |       |                              |
| Sep 27/2021 | 70    | OK  | OK   |          |          | 15    | OK    |          |       |                              |
| Sep 28/2021 | 39    | OK  | OK   |          |          | 31    | OK    |          |       |                              |
| Sep 29/2021 | 33    | OK  | OK   |          |          | 6     | OK    |          |       |                              |
| Sep 30/2021 | 85    | OK  | OK   |          |          | 52    | OK    |          |       |                              |
| Oct 1/2021  | 65    | OK  | OK   |          |          | 20    | OK    |          |       |                              |

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## PEEL COVID CASES @ 5 sigma

| Test Date   | cases | Low | High | Outliers | Comments         | Range | Limit | Outliers | notes | Comments / CAP           |
|-------------|-------|-----|------|----------|------------------|-------|-------|----------|-------|--------------------------|
| Oct 2/2021  | 67    | OK  | OK   |          |                  | 2     | OK    |          |       |                          |
| Oct 3/2021  | 85    | OK  | OK   |          |                  | 18    | OK    |          |       |                          |
| Oct 4/2021  | 88    | OK  | OK   |          |                  | 3     | OK    |          |       |                          |
| Oct 5/2021  | 55    | OK  | OK   |          |                  | 33    | OK    |          |       |                          |
| Oct 6/2021  | 39    | OK  | OK   |          |                  | 16    | OK    |          |       |                          |
| Oct 7/2021  | 55    | OK  | OK   |          |                  | 16    | OK    |          |       |                          |
| Oct 8/2021  | 80    | OK  | OK   |          |                  | 25    | OK    |          |       |                          |
| Oct 9/2021  | 80    | OK  | OK   |          |                  | 0     | OK    |          |       |                          |
| Oct 10/2021 | 45    | OK  | OK   |          |                  | 35    | OK    |          |       |                          |
| Oct 11/2021 | 71    | OK  | OK   |          |                  | 26    | OK    |          |       | Thanksgiving day         |
| Oct 12/2021 | 62    | OK  | OK   |          |                  | 9     | OK    |          |       |                          |
| Oct 13/2021 | 18    | OK  | OK   |          |                  | 44    | OK    |          |       |                          |
| Oct 14/2021 | 43    | OK  | OK   |          |                  | 25    | OK    |          |       |                          |
| Oct 15/2021 | 60    | OK  | OK   |          |                  | 17    | OK    |          |       |                          |
| Oct 16/2021 | 60    | OK  | OK   |          |                  | 0     | OK    |          |       |                          |
| Oct 17/2021 | 80    | OK  | OK   |          |                  | 20    | OK    |          |       |                          |
| Oct 18/2021 | 71    | OK  | OK   |          |                  | 9     | OK    |          |       |                          |
| Oct 19/2021 | 60    | OK  | OK   |          |                  | 11    | OK    |          |       |                          |
| Oct 20/2021 | 13    | OK  | OK   |          |                  | 47    | OK    |          |       |                          |
| Oct 21/2021 | 54    | OK  | OK   |          |                  | 41    | OK    |          |       |                          |
| Oct 22/2021 | 59    | OK  | OK   |          |                  | 5     | OK    |          |       |                          |
| Oct 23/2021 | 45    | OK  | OK   |          |                  | 14    | OK    |          |       |                          |
| Oct 24/2021 | 42    | OK  | OK   |          |                  | 3     | OK    |          |       |                          |
| Oct 25/2021 | 33    | OK  | OK   |          |                  | 9     | OK    |          |       | Some restrictions lifted |
| Oct 26/2021 | 36    | OK  | OK   |          |                  | 3     | OK    |          |       |                          |
| Oct 27/2021 | 16    | OK  | OK   |          | run fail dropped | 20    | OK    |          |       | C: Vaccine A: N/A P: N/A |
| Oct 28/2021 | 45    | OK  | OK   |          |                  | 29    | OK    |          |       |                          |
| Oct 29/2021 | 32    | OK  | OK   |          |                  | 13    | OK    |          |       |                          |
| Oct 30/2021 | 32    | OK  | OK   |          |                  | 0     | OK    |          |       |                          |
| Oct 31/2021 | 26    | OK  | OK   |          |                  | 6     | OK    |          |       | Halloween weekend        |
| Nov 1/2021  | 47    | OK  | OK   |          |                  | 21    | OK    |          |       |                          |
| Nov 2/2021  | 36    | OK  | OK   |          |                  | 11    | OK    |          |       |                          |
| Nov 3/2021  | 13    | OK  | OK   |          |                  | 23    | OK    |          |       |                          |
| Nov 4/2021  | 26    | OK  | OK   |          |                  | 13    | OK    |          |       |                          |
| Nov 5/2021  | 44    | OK  | OK   |          |                  | 18    | OK    |          |       |                          |
| Nov 6/2021  | 46    | OK  | OK   |          |                  | 2     | OK    |          |       |                          |
| Nov 7/2021  | 41    | OK  | OK   |          |                  | 5     | OK    |          |       |                          |
| Nov 8/2021  | 39    | OK  | OK   |          |                  | 2     | OK    |          |       |                          |
| Nov 9/2021  | 15    | OK  | OK   |          |                  | 24    | OK    |          |       |                          |
| Nov 10/2021 | 33    | OK  | OK   |          |                  | 18    | OK    |          |       |                          |
| Nov 11/2021 | 61    | OK  | OK   |          |                  | 28    | OK    |          |       | Rememberence day         |

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## PEEL COVID CASES @ 5 sigma

| Test Date   | cases | Low | High | Outliers | Comments           | Range | Limit | Outliers | notes    | Comments / CAP                                    |
|-------------|-------|-----|------|----------|--------------------|-------|-------|----------|----------|---|
| Nov 12/2021 | 43    | OK  | OK   |          |                    | 18    | OK    |          |          |   |
| Nov 13/2021 | 27    | OK  | OK   |          |                    | 16    | OK    |          |          |   |
| Nov 14/2021 | 42    | OK  | OK   |          |                    | 15    | OK    |          |          |   |
| Nov 15/2021 | 51    | OK  | OK   |          |                    | 9     | OK    |          |          |   |
| Nov 16/2021 | 31    | OK  | OK   |          |                    | 20    | OK    |          |          |   |
| Nov 17/2021 | 26    | OK  | OK   |          |                    | 5     | OK    |          |          |   |
| Nov 18/2021 | 39    | OK  | OK   |          |                    | 13    | OK    |          |          |   |
| Nov 19/2021 | 54    | OK  | OK   |          |                    | 15    | OK    |          |          | Diwalil Night                                     |
| Nov 20/2021 | 45    | OK  | OK   |          |                    | 9     | OK    |          |          |   |
| Nov 21/2021 | 43    | OK  | OK   |          |                    | 2     | OK    |          |          |   |
| Nov 22/2021 | 53    | OK  | OK   |          |                    | 10    | OK    |          |          | kids 5 -11 vaccine approved                       |
| Nov 23/2021 | 35    | OK  | OK   |          |                    | 18    | OK    |          |          |   |
| Nov 24/2021 | 43    | OK  | OK   |          |                    | 8     | OK    |          |          |   |
| Nov 25/2021 | 48    | OK  | OK   |          |                    | 5     | OK    |          |          | US Thanksgiving day                               |
| Nov 26/2021 | 54    | OK  | OK   |          |                    | 6     | OK    |          |          | Omicron variant detected                          |
| Nov 27/2021 | 47    | OK  | OK   |          |                    | 7     | OK    |          |          |   |
| Nov 28/2021 | 58    | OK  | OK   |          |                    | 11    | OK    |          |          | Hanukkah - starts                                 |
| Nov 29/2021 | 49    | OK  | OK   |          |                    | 9     | OK    |          |          |   |
| Nov 30/2021 | 60    | OK  | OK   |          |                    | 11    | OK    |          |          |   |
| Dec 1/2021  | 38    | OK  | OK   |          |                    | 22    | OK    |          |          |   |
| Dec 2/2021  | 75    | OK  | OK   |          |                    | 37    | OK    |          |          |   |
| Dec 3/2021  | 60    | OK  | OK   |          |                    | 15    | OK    |          |          |   |
| Dec 4/2021  | 59    | OK  | OK   |          |                    | 1     | OK    |          |          |   |
| Dec 5/2021  | 81    | OK  | OK   |          |                    | 22    | OK    |          |          |   |
| Dec 6/2021  | 60    | OK  | OK   |          |                    | 21    | OK    |          |          | Hanukkah - ends                                   |
| Dec 7/2021  | 48    | OK  | OK   |          |                    | 12    | OK    |          |          |   |
| Dec 8/2021  | 48    | OK  | OK   |          |                    | 0     | OK    |          |          |   |
| Dec 9/2021  | 71    | OK  | OK   |          |                    | 23    | OK    |          |          |   |
| Dec 10/2021 | 89    | OK  | OK   |          |                    | 18    | OK    |          |          |   |
| Dec 11/2021 | 103   | OK  | OK   |          |                    | 14    | OK    |          |          |   |
| Dec 12/2021 | 96    | OK  | OK   |          |                    | 7     | OK    |          |          |   |
| Dec 13/2021 | 89    | OK  | OK   |          |                    | 7     | OK    |          |          | third dose 50+                                    |
| Dec 14/2021 | 103   | OK  | OK   |          |                    | 14    | OK    |          |          |   |
| Dec 15/2021 | 132   | OK  | OK   |          |                    | 29    | OK    |          |          |   |
| Dec 16/2021 | 153   | OK  | OK   |          |                    | 21    | OK    |          |          |   |
| Dec 17/2021 | 209   | OK  | OK   |          |                    | 56    | OK    |          |          |   |
| Dec 18/2021 | 246   | OK  | OK   |          |                    | 37    | OK    |          |          |   |
| Dec 19/2021 | 311   | OK  | OK   |          |                    | 65    | OK    |          |          |   |
| Dec 20/2021 | 381   | OK  | OK   |          | run fail increased | 70    | OK    |          |          | C:Omicron A: wear mask P: Vaccine, third dose 18+ |
| Dec 21/2021 | 280   | OK  | OK   |          |                    |       | Fail  | 101      | increase | C: Vaccine A: N/A P: N/A                          |
| Dec 22/2021 | 335   | OK  | OK   |          |                    | 55    | OK    |          |          |   |

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# PEEL COVID CASES @ 5 sigma

| Test Date   | cases | Low | High | Outliers | Comments | Range | Limit | Outliers | notes    | Comments / CAP                                  |
|-------------|-------|-----|------|----------|----------|-------|-------|----------|----------|---|
| Dec 23/2021 | 491   | OK  | OK   |          |          |       | Fail  | 156      | increase | C:Omicron A: wear mask P: Vaccine               |
| Dec 24/2021 | 1113  | OK  | OK   |          |          |       | Fail  | 622      | increase | C:Omicron A: wear mask P: Vaccine               |
| Dec 25/2021 | 965   | OK  | OK   |          |          |       | Fail  | 148      | dropped  | Christmas Day                                   |
| Dec 26/2021 | 813   | OK  | OK   |          |          |       | Fail  | 152      | dropped  | Boxing Day                                      |
| Dec 27/2021 | 934   | OK  | OK   |          |          |       | Fail  | 121      | dropped  | C: Vaccine A: N/A P: N/A                        |
| Dec 28/2021 | 886   | OK  | OK   |          |          | 48    | OK    |          |          |   |
| Dec 29/2021 | 1066  | OK  | OK   |          |          |       | Fail  | 180      | increase | C: Christmas A: N /A P: stay home               |
| Dec 30/2021 | 1468  | OK  | OK   |          |          |       | Fail  | 402      | increase | C: Christmas A: N /A P: stay home               |
| Dec 31/2021 | 1639  | OK  | OK   |          |          |       | Fail  | 171      | increase | C: Christmas A: N /A P: stay home; New year eve |
| Jan 1/2022  | 1730  | OK  | OK   |          |          |       | Fail  | 91       | increase | C: Christmas A: N /A P: stay home               |
| Jan 2/2022  | 2182  | OK  | Fail |          | 2nd apex |       | Fail  | 452      | increase | C: New years eve A: N /A P: stay home           |
| Jan 3/2022  | 1433  | OK  | OK   |          |          |       | Fail  | 749      | dropped  | C: Vaccine A: N/A P: N/A                        |
| Jan 4/2022  | 1486  | OK  | OK   |          |          | 53    | OK    |          |          | C: Vaccine A: N/A P: N/A                        |
| Jan 5/2022  | 1435  | OK  | OK   |          |          | 51    | OK    |          |          | C: Vaccine A: N/A P: N/A; 21 Day Lockdown       |
| Jan 6/2022  | 1500  | OK  | OK   |          |          | 65    | OK    |          |          | C: New year eve A: N /A P: stay home            |
| Jan 7/2022  | 1745  | OK  | OK   |          |          |       | Fail  | 245      | increase | C: New year eve A: N /A P: stay home            |
| Jan 8/2022  | 1736  | OK  | OK   |          |          | 9     | OK    |          |          |   |
| Jan 9/2022  | 1604  | OK  | OK   |          |          |       | Fail  | 132      | dropped  | C: Vaccine A: N/A P: N/A                        |
| Jan 10/2022 | 1310  | OK  | OK   |          |          |       | Fail  | 294      | dropped  | C: Vaccine A: N/A P: N/A                        |
| Jan 11/2022 | 1143  | OK  | OK   |          |          |       | Fail  | 167      | dropped  | C: Vaccine A: N/A P: N/A                        |
| Jan 12/2022 | 1060  | OK  | OK   |          |          |       | Fail  | 83       | dropped  | C: Vaccine A: N/A P: N/A                        |
| Jan 13/2022 | 1365  | OK  | OK   |          |          |       | Fail  | 305      | increase | C:Omicron A: wear mask P: Vaccine               |
| Jan 14/2022 | 1561  | OK  | OK   |          |          |       | Fail  | 196      | increase | C:Omicron A: wear mask P: Vaccine               |
| Jan 15/2022 | 1533  | OK  | OK   |          |          | 28    | OK    |          |          | C:Omicron A: wear mask P: Vaccine               |
| Jan 16/2022 | 1652  | OK  | OK   |          |          |       | Fail  | 119      | increase | C:Omicron A: wear mask P: Vaccine               |
| Jan 17/2022 | 1302  | OK  | OK   |          |          |       | Fail  | 350      | dropped  | C: Vaccine A: N/A P: N/A                        |
| Jan 18/2022 | 1106  | OK  | OK   |          |          |       | Fail  | 196      | dropped  | C: Vaccine A: N/A P: N/A                        |
| Jan 19/2022 | 914   | OK  | OK   |          |          |       | Fail  | 192      | dropped  | C: Vaccine A: N/A P: N/A                        |
| Jan 20/2022 | 1006  | OK  | OK   |          |          |       | Fail  | 92       | increase | C:Omicron A: wear mask P: Vaccine               |
| Jan 21/2022 | 957   | OK  | OK   |          |          | 49    | OK    |          |          | C: Vaccine A: N/A P: N/A                        |
| Jan 22/2022 | 820   | OK  | OK   |          |          |       | Fail  | 137      | dropped  | C: Vaccine A: N/A P: N/A                        |
| Jan 23/2022 | 884   | OK  | OK   |          |          | 64    | OK    |          |          |   |
| Jan 24/2022 | 690   | OK  | OK   |          |          |       | Fail  | 194      | dropped  | C: Vaccine A: N/A P: N/A                        |
| Jan 25/2022 | 525   | OK  | OK   |          |          |       | Fail  | 165      | dropped  | C: Vaccine A: N/A P: N/A                        |
| Jan 26/2022 | 765   | OK  | OK   |          |          |       | Fail  | 240      | increase | C: New year eve A: N /A P: stay home            |
| Jan 27/2022 | 842   | OK  | OK   |          |          |       | OK    |          |          |   |
| Jan 28/2022 | 690   | OK  | OK   |          |          |       | Fail  | 152      | dropped  | C: Vaccine A: N/A P: N/A                        |
| Jan 29/2022 | 663   | OK  | OK   |          |          | 27    | OK    |          |          |   |
| Jan 30/2022 | 557   | OK  | OK   |          |          |       | Fail  | 106      | dropped  | C: Vaccine A: N/A P: N/A                        |
| Jan 31/2022 | 431   | OK  | OK   |          |          |       | Fail  | 126      | dropped  | C: Vaccine A: N/A P: N/A                        |
| Feb 1/2022  | 334   | OK  | OK   |          |          |       | Fail  | 97       | dropped  | C: Vaccine A: N/A P: N/A                        |

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## PEEL COVID CASES @ 5 sigma

| Test Date   | cases | Low | High | Outliers | Comments         | Range | Limit | Outliers | notes    | Comments / CAP  |
|-------------|-------|-----|------|----------|------------------|-------|-------|----------|----------|---|
| Feb 2/2022  | 362   | OK  | OK   |          | run fail dropped | 28    | OK    |          |          | C: Vaccine A: N/A P: N/A                                    |
| Feb 3/2022  | 411   | OK  | OK   |          |                  | 49    | OK    |          |          |   |
| Feb 4/2022  | 389   | OK  | OK   |          |                  | 22    | OK    |          |          |   |
| Feb 5/2022  | 310   | OK  | OK   |          |                  |       | OK    | 79       | dropped  | C: Vaccine A: N/A P: N/A                                    |
| Feb 6/2022  | 299   | OK  | OK   |          |                  | 11    | OK    |          |          |   |
| Feb 7/2022  | 147   | OK  | OK   |          |                  |       | Fail  | 152      | dropped  | C: Vaccine A: N/A P: N/A                                    |
| Feb 8/2022  | 198   | OK  | OK   |          |                  | 51    | OK    |          |          |   |
| Feb 9/2022  | 283   | OK  | OK   |          |                  |       | Fail  | 85       | increase | C: Omicron A: wear mask P: Vaccine                          |
| Feb 10/2022 | 275   | OK  | OK   |          |                  | 8     | OK    |          |          |   |
| Feb 11/2022 | 192   | OK  | OK   |          |                  |       | Fail  | 83       | dropped  | C: Vaccine A: N/A P: N/A                                    |
| Feb 12/2022 | 253   | OK  | OK   |          |                  | 61    | OK    |          |          |   |
| Feb 13/2022 | 259   | OK  | OK   |          |                  | 6     | OK    |          |          |   |
| Feb 14/2022 | 134   | OK  | OK   |          |                  |       | Fail  | 125      | dropped  | C: Vaccine A: N/A P: N/A                                    |
| Feb 15/2022 | 129   | OK  | OK   |          |                  | 5     | OK    |          |          |   |
| Feb 16/2022 | 185   | OK  | OK   |          |                  | 56    | OK    |          |          |   |
| Feb 17/2022 | 134   | OK  | OK   |          |                  | 51    | OK    |          |          | clubs/bars reopening  |
| Feb 18/2022 | 187   | OK  | OK   |          |                  | 53    | OK    |          |          |   |
| Feb 19/2022 | 97    | OK  | OK   |          |                  |       | Fail  | 90       | dropped  | Variant BA.2 first detected Canada C: Vaccine A: N/A P: N/A |
| Feb 20/2022 | 174   | OK  | OK   |          |                  | 77    | OK    |          |          |   |
| Feb 21/2022 | 78    | OK  | OK   |          |                  |       | Fail  | 96       | dropped  | C: Vaccine A: N/A P: N/A                                    |
| Feb 22/2022 | 89    | OK  | OK   |          |                  | 11    | OK    |          |          |   |
| Feb 23/2022 | 95    | OK  | OK   |          |                  | 6     | OK    |          |          |   |
| Feb 24/2022 | 195   | OK  | OK   |          |                  |       | Fail  | 100      | increase | C: Stealth Omicron sub variant A: Wear mask P: Vaccine;     |
| Feb 25/2022 | 130   | OK  | OK   |          |                  | 65    | OK    |          |          |   |
| Feb 26/2022 | 187   | OK  | OK   |          |                  | 57    | OK    |          |          |   |
| Feb 27/2022 | 163   | OK  | OK   |          |                  | 24    | OK    |          |          |   |
| Feb 28/2022 | 54    | OK  | OK   |          |                  |       | Fail  | 109      | dropped  | C: Vaccine A: N/A P: N/A                                    |
| Mar 1/2022  | 70    | OK  | OK   |          |                  | 16    | OK    |          |          | Limits removed - masks still on                             |
| Mar 2/2022  | 113   | OK  | OK   |          |                  | 43    | OK    |          |          |   |
| Mar 3/2022  | 120   | OK  | OK   |          |                  | 7     | OK    |          |          |   |
| Mar 4/2022  | 115   | OK  | OK   |          |                  | 5     | OK    |          |          |   |
| Mar 5/2022  | 110   | OK  | OK   |          |                  | 5     | OK    |          |          |   |
| Mar 6/2022  | 143   | OK  | OK   |          |                  | 33    | OK    |          |          |   |
| Mar 7/2022  | 57    | OK  | OK   |          |                  |       | Fail  | 86       | dropped  | C: Vaccine A: N/A P: N/A                                    |
| Mar 8/2022  | 76    | OK  | OK   |          |                  | 19    | OK    |          |          |   |
| Mar 9/2022  | 158   | OK  | OK   |          |                  |       | OK    | 82       | increase | C: Stealth Omicron sub variant A: Wear mask P: Vaccine;     |
| Mar 10/2022 | 162   | OK  | OK   |          |                  | 4     | OK    |          |          |   |
| Mar 11/2022 | 119   | OK  | OK   |          |                  | 43    | OK    |          |          |   |
| Mar 12/2022 | 142   | OK  | OK   |          |                  | 23    | OK    |          |          |   |
| Mar 13/2022 | 64    | OK  | OK   |          |                  |       | OK    | 78       | dropped  | C: Vaccine A: N/A P: N/A                                    |
| Mar 14/2022 | 43    | OK  | OK   |          |                  | 21    | OK    |          |          |   |

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## PEEL COVID CASES @ 5 sigma

| Test Date   | cases | Low | High | Outliers | Comments            | Range | Limit | Outliers | notes    | Comments / CAP  |
|-------------|-------|-----|------|----------|---------------------|-------|-------|----------|----------|---|
| Mar 15/2022 | 90    | OK  | OK   |          |                     | 47    | OK    |          |          |   |
| Mar 16/2022 | 183   | OK  | OK   |          |                     |       | Fail  | 93       | increase | C: Stealth Omicron sub variant A: Wear mask P: Vaccine; |
| Mar 17/2022 | 137   | OK  | OK   |          |                     | 46    | OK    |          |          |   |
| Mar 18/2022 | 112   | OK  | OK   |          |                     | 25    | OK    |          |          |   |
| Mar 19/2022 | 120   | OK  | OK   |          |                     | 8     | OK    |          |          |   |
| Mar 20/2022 | 82    | OK  | OK   |          |                     | 38    | OK    |          |          |   |
| Mar 21/2022 | 60    | OK  | OK   |          | run fail dropped    | 22    | OK    |          |          | Restrictions removed (masks)                            |
| Mar 22/2022 | 101   | OK  | OK   |          |                     | 41    | OK    |          |          |   |
| Mar 23/2022 | 166   | OK  | OK   |          |                     | 65    | OK    |          |          |   |
| Mar 24/2022 | 163   | OK  | OK   |          |                     | 3     | OK    |          |          |   |
| Mar 25/2022 | 167   | OK  | OK   |          |                     | 4     | OK    |          |          |   |
| Mar 26/2022 | 222   | OK  | OK   |          |                     | 55    | OK    |          |          |   |
| Mar 27/2022 | 135   | OK  | OK   |          |                     |       | Fail  | 87       | dropped  | C: Vaccine A: N/A P: N/A                                |
| Mar 28/2022 | 76    | OK  | OK   |          |                     | 59    | OK    |          |          | No mask required  |
| Mar 29/2022 | 101   | OK  | OK   |          |                     | 25    | OK    |          |          |   |
| Mar 30/2022 | 167   | OK  | OK   |          |                     | 66    | OK    |          |          |   |
| Mar 31/2022 | 196   | OK  | OK   |          |                     | 29    | OK    |          |          |   |
| Apr 1/2022  | 249   | OK  | OK   |          |                     | 53    | OK    |          |          | Border restrictions removed; Ramadan starts             |
| Apr 2/2022  | 210   | OK  | OK   |          |                     | 39    | OK    |          |          |   |
| Apr 3/2022  | 153   | OK  | OK   |          |                     | 57    | OK    |          |          |   |
| Apr 4/2022  | 139   | OK  | OK   |          |                     | 14    | OK    |          |          |   |
| Apr 5/2022  | 159   | OK  | OK   |          |                     | 20    | OK    |          |          |   |
| Apr 6/2022  | 203   | OK  | OK   |          |                     | 44    | OK    |          |          |   |
| Apr 7/2022  | 230   | OK  | OK   |          |                     | 27    | OK    |          |          |   |
| Apr 8/2022  | 265   | OK  | OK   |          |                     | 35    | OK    |          |          |   |
| Apr 9/2022  | 180   | OK  | OK   |          |                     |       | Fail  | 85       | dropped  | C: Vaccine A: N/A P: N/A                                |
| Apr 10/2022 | 198   | OK  | OK   |          |                     | 18    | OK    |          |          |   |
| Apr 11/2022 | 120   | OK  | OK   |          |                     | 78    | OK    |          |          |   |
| Apr 12/2022 | 137   | OK  | OK   |          |                     | 17    | OK    |          |          |   |
| Apr 13/2022 | 166   | OK  | OK   |          |                     | 29    | OK    |          |          |   |
| Apr 14/2022 | 274   | OK  | OK   |          |                     |       | Fail  | 108      | increase | C: Ramadan Omicron sub variant A: Wear mask P: Vaccine; |
| Apr 15/2022 | 423   | OK  | OK   |          |                     |       | Fail  | 149      | increase | Good Friday long weekend                                |
| Apr 16/2022 | 198   | OK  | OK   |          |                     |       | Fail  | 225      | dropped  | C: Vaccine A: N/A P: N/A                                |
| Apr 17/2022 | 127   | OK  | OK   |          |                     | 71    | OK    |          |          |   |
| Apr 18/2022 | 145   | OK  | OK   |          |                     | 18    | OK    |          |          | Easter Monday   |
| Apr 19/2022 | 65    | OK  | OK   |          |                     | 80    | OK    |          |          |   |
| Apr 20/2022 | 136   | OK  | OK   |          |                     | 71    | OK    |          |          |   |
| Apr 21/2022 | 336   | OK  | OK   |          | Covid turns endemic |       | Fail  | 200      | increase | C: Easter Omicron sub variant A: Wear mask P: Vaccine;  |
| Apr 22/2022 | 307   | OK  | OK   |          |                     | 29    | OK    |          |          |   |
| Apr 23/2022 | 252   | OK  | OK   |          |                     | 55    | OK    |          |          |   |
| Apr 24/2022 | 217   | OK  | OK   |          |                     | 35    | OK    |          |          |   |

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## PEEL COVID CASES @ 5 sigma

| Test Date   | cases | Low | High | Outliers | Comments         | Range | Limit | Outliers | notes | Comments / CAP            |
|-------------|-------|-----|------|----------|------------------|-------|-------|----------|-------|---------------------------|
| Apr 25/2022 | 164   | OK  | OK   |          |                  | 53    | OK    |          |       |                           |
| Apr 26/2022 | 113   | OK  | OK   |          | run fail dropped | 51    | OK    |          |       | C: Vaccine A: N/A P: N/A  |
| Apr 27/2022 | 190   | OK  | OK   |          |                  | 77    | OK    |          |       |                           |
| Apr 28/2022 | 179   | OK  | OK   |          |                  | 11    | OK    |          |       |                           |
| Apr 29/2022 | 194   | OK  | OK   |          |                  | 15    | OK    |          |       |                           |
| Apr 30/2022 | 222   | OK  | OK   |          |                  | 28    | OK    |          |       | Ramadon Ends              |
| May 1/2022  | 188   | OK  | OK   |          |                  | 34    | OK    |          |       |                           |
| May 2/2022  | 139   | OK  | OK   |          |                  | 49    | OK    |          |       |                           |
| May 3/2022  | 103   | OK  | OK   |          |                  | 36    | OK    |          |       |                           |
| May 4/2022  | 149   | OK  | OK   |          |                  | 46    | OK    |          |       |                           |
| May 5/2022  | 185   | OK  | OK   |          |                  | 36    | OK    |          |       |                           |
| May 6/2022  | 192   | OK  | OK   |          |                  | 7     | OK    |          |       |                           |
| May 7/2022  | 162   | OK  | OK   |          |                  | 30    | OK    |          |       |                           |
| May 8/2022  | 135   | OK  | OK   |          |                  | 27    | OK    |          |       |                           |
| May 9/2022  | 85    | OK  | OK   |          |                  | 50    | OK    |          |       |                           |
| May 10/2022 | 96    | OK  | OK   |          |                  | 11    | OK    |          |       |                           |
| May 11/2022 | 161   | OK  | OK   |          |                  | 65    | OK    |          |       |                           |
| May 12/2022 | 151   | OK  | OK   |          |                  | 10    | OK    |          |       |                           |
| May 13/2022 | 168   | OK  | OK   |          |                  | 17    | OK    |          |       |                           |
| May 14/2022 | 145   | OK  | OK   |          |                  | 23    | OK    |          |       |                           |
| May 15/2022 | 102   | OK  | OK   |          |                  | 43    | OK    |          |       |                           |
| May 16/2022 | 92    | OK  | OK   |          |                  | 10    | OK    |          |       |                           |
| May 17/2022 | 76    | OK  | OK   |          |                  | 16    | OK    |          |       |                           |
| May 18/2022 | 136   | OK  | OK   |          |                  | 60    | OK    |          |       |                           |
| May 19/2022 | 128   | OK  | OK   |          |                  | 8     | OK    |          |       |                           |
| May 20/2022 | 149   | OK  | OK   |          |                  | 21    | OK    |          |       |                           |
| May 21/2022 | 90    | OK  | OK   |          |                  | 59    | OK    |          |       |                           |
| May 22/2022 | 82    | OK  | OK   |          |                  | 8     | OK    |          |       |                           |
| May 23/2022 | 48    | OK  | OK   |          |                  | 34    | OK    |          |       | Victoria Day long weekend |
| May 24/2022 | 51    | OK  | OK   |          |                  | 3     | OK    |          |       |                           |
| May 25/2022 | 62    | OK  | OK   |          |                  | 11    | OK    |          |       |                           |
| May 26/2022 | 87    | OK  | OK   |          |                  | 25    | OK    |          |       |                           |
| May 27/2022 | 87    | OK  | OK   |          |                  | 0     | OK    |          |       |                           |
| May 28/2022 | 95    | OK  | OK   |          |                  | 8     | OK    |          |       |                           |
| May 29/2022 | 85    | OK  | OK   |          |                  | 10    | OK    |          |       |                           |
| May 30/2022 | 35    | OK  | OK   |          |                  | 50    | OK    |          |       |                           |
| May 31/2022 | 55    | OK  | OK   |          |                  | 20    | OK    |          |       |                           |
| Jun 1/2022  | 96    | OK  | OK   |          |                  | 41    | OK    |          |       |                           |
| Jun 2/2022  | 83    | OK  | OK   |          |                  | 13    | OK    |          |       |                           |
| Jun 3/2022  | 78    | OK  | OK   |          |                  | 5     | OK    |          |       |                           |
| Jun 4/2022  | 87    | OK  | OK   |          |                  | 9     | OK    |          |       |                           |

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## PEEL COVID CASES @ 5 sigma

| Test Date   | cases | Low | High | Outliers | Comments | Range | Limit | Outliers | notes | Comments / CAP                                       |
|-------------|-------|-----|------|----------|----------|-------|-------|----------|-------|--|
| Jun 5/2022  | 59    | OK  | OK   |          |          | 28    | OK    |          |       |  |
| Jun 6/2022  | 47    | OK  | OK   |          |          | 12    | OK    |          |       |  |
| Jun 7/2022  | 72    | OK  | OK   |          |          | 25    | OK    |          |       |  |
| Jun 8/2022  | 90    | OK  | OK   |          |          | 18    | OK    |          |       |  |
| Jun 9/2022  | 122   | OK  | OK   |          |          | 32    | OK    |          |       |  |
| Jun 10/2022 | 85    | OK  | OK   |          |          | 37    | OK    |          |       |  |
| Jun 11/2022 | 62    | OK  | OK   |          |          | 23    | OK    |          |       | CP24 REPORTING                                       |
| Jun 12/2022 |       | OK  | OK   |          |          | 62    | OK    |          |       |  |
| Jun 13/2022 |       | OK  | OK   |          |          | 0     | OK    |          |       | MANDATES OVER GOVERNMENT NO LONGER RELEASING NUMBERS |

\*\*Failure is a static movement of 1.4 parts per million

# PEEL COVID CASES @ 5 sigma

| Test Date | cases    | Low            | High | Outliers | Comments | Range | Limit | Outliers | notes      | Comments / CAP                 |
|-----------|----------|----------------|------|----------|----------|-------|-------|----------|------------|--------------------------------|
| Sum       | 151800   |                |      |          |          | 429   |       | 110      |            | 1.382 mil = pop                |
| Mean      | 281.63   |                |      |          |          | 25.32 |       | 171.08   |            | percent of population infected |
| Std Dev   | 343.02   |                |      |          |          |       |       | 118.83   |            | 10.98                          |
| Kurtosis  | 5.59     | not normal     |      |          |          | -0.60 | norma | 9.80     | not normal |                                |
| Skew      | 2.23     | not normal     |      |          |          | 0.70  | norma | 2.83     | not normal |                                |
| CP        | 1.1      |                |      |          |          |       |       |          |            |                                |
| CPK       | 0.6      |                |      |          |          |       |       |          |            |                                |
|           | Bin      |                |      |          |          |       |       |          |            |                                |
| U C L     | 1,996.75 |                |      |          |          |       |       |          |            |                                |
|           | 1310.71  |                |      |          |          |       |       |          |            |                                |
|           | 967.68   |                |      |          |          |       |       |          |            |                                |
|           | 624.66   |                |      |          |          |       |       |          |            |                                |
|           | 281.63   |                |      |          |          |       |       |          |            |                                |
|           | -61.39   |                |      |          |          |       |       |          |            |                                |
|           | -404.42  | flu, not covid |      |          |          |       |       |          |            |                                |
|           | -747.44  |                |      |          |          |       |       |          |            |                                |

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