

Disappearance of data related to the ‘Mysterious spike’ of deaths among people under 45 years of age in New Brunswick following vaccination

Investigation report

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Observation

The data published by the Statistics Canada in its April’s release of “Death counts, by age and sex” dataset showed significant (by a factor of 2 to 4) increase of deaths in New Brunswick in age group 0 to 44 after June 2021 - i.e. one month after the vaccination has been extended to this age group of the province.

In its next month’s release of the dataset, Statistics Canada has removed the portion of data that showed this increase.

This Investigation Report provides details on what exactly has been reported in April and what has been removed in May

Additional references and analysis

- CBC article: “Mysterious spike in N.B. deaths in 2021 not due to COVID, health minister says”, Posted: May 13, 2022, URL: <https://www.cbc.ca/amp/1.6451680>
- «“Mysterious spike” in excess deaths in New Brunswick: Now you see it. Now you don’t», May 21 <https://ivim.substack.com/p/mysterious-spike-in-excess-deaths>
- «“Killer on the road” in New Brunswick: killing mainly under 44. CBC started talking about it. StatsCan removed data », May 19: <https://ivim.substack.com/p/killer-on-the-road-in-new-brunswick>

Data source

Source: Statistics Canada - Table 13-10-0768-01. Provisional weekly death counts, by age group and sex (Updated monthly)

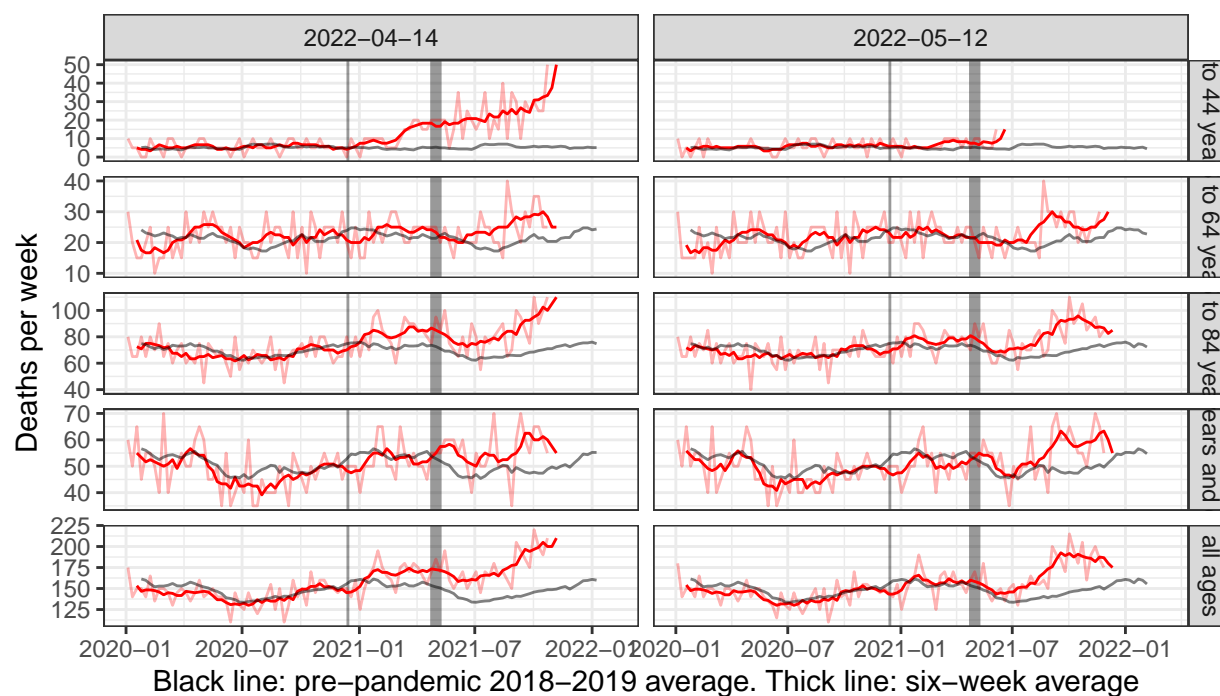
- URL: <https://www150.statcan.gc.ca/t1/tbl1/en/tv.action?pid=1310076801>
- Data Releases: 2022-04-14, 2022-05-12
- Cached data: <https://github.com/IVI-M/std-data/tree/main/ca/statcan-deaths-by-age>

Visual summary

Vertical lines indicate the date when vaccination started with high-risk population (December 14, 2020) and (thick line) when vaccination was extended to general population (May 1, 2021)

Mortality rate before and after vaccination

Region: New Brunswick. Data Release: 2022-05-12 vs. 2022-04-14



Black line: pre-pandemic 2018–2019 average. Thick line: six-week average
Source: Statistics Canada – Table 13–10–0768–01
Generated by Open Canada Deaths Tracker App (ivim.ca/app)

Recommendations

The dataset has several fields (columns) that are related to each other. In particular:

- ‘All ages’ values should equal to the sum of deaths in all age groups. In April release of the data, this appears to be the case. In May release it is not.

Therefore, assuming the integrity of the other (unremoved) parts of dataset, it should be possible to recover the deleted portion data for age group 0 to 44 by simply subtracting data for all other groups data from “All ages” data.

Appendix: Raw Data preview

Extracts below show :

- the first and last five lines of the dataset after 2018-01-01,
- the date of the last entry,
- the date of the last numeric entry for each age group (i.e. which is when entry is a number, not NA - Not Available)

Data Release: 2022-04-14

```
##          Date      GEO value      Age      Sex
##          <IDat>      <char> <int>      <char>      <char>
##    1: 2018-01-06 New Brunswick  180      all ages Both sexes
##    2: 2018-01-06 New Brunswick   90      all ages    Males
##    3: 2018-01-06 New Brunswick   95      all ages    Females
##    4: 2018-01-06 New Brunswick    5    0 to 44 years Both sexes
##    5: 2018-01-06 New Brunswick    0    0 to 44 years    Males
##    ---
## 3206: 2022-02-05 New Brunswick   NA    65 to 84 years    Males
## 3207: 2022-02-05 New Brunswick   NA    65 to 84 years    Females
## 3208: 2022-02-05 New Brunswick   NA 85 years and over Both sexes
## 3209: 2022-02-05 New Brunswick   NA 85 years and over    Males
## 3210: 2022-02-05 New Brunswick   NA 85 years and over    Females
```

```
##          GEO      V1
##          <char>      <IDat>
## 1: New Brunswick 2022-02-05
```

```
##          Age      Sex      V1
##          <char>      <char>      <IDat>
## 1:      all ages Both sexes 2021-10-23
## 2:      all ages    Males 2021-10-23
## 3:      all ages    Females 2021-10-23
## 4:    0 to 44 years Both sexes 2021-10-23
## 5:    0 to 44 years    Males 2021-10-23
## 6:    0 to 44 years    Females 2021-10-23
## 7:   45 to 64 years Both sexes 2021-10-23
## 8:   45 to 64 years    Males 2021-10-23
## 9:   45 to 64 years    Females 2021-10-23
## 10:  65 to 84 years Both sexes 2021-10-23
## 11:  65 to 84 years    Males 2021-10-23
## 12:  65 to 84 years    Females 2021-10-23
## 13: 85 years and over Both sexes 2021-10-23
## 14: 85 years and over    Males 2021-10-23
## 15: 85 years and over    Females 2021-10-23
```

Data Release: 2022-05-12

```
##          Date      GEO value      Age      Sex
##          <IDat>      <char> <int>      <char>      <char>
##    1: 2018-01-06 New Brunswick  180      all ages Both sexes
##    2: 2018-01-06 New Brunswick   90      all ages      Males
##    3: 2018-01-06 New Brunswick   95      all ages      Females
##    4: 2018-01-06 New Brunswick    5    0 to 44 years Both sexes
##    5: 2018-01-06 New Brunswick    0    0 to 44 years      Males
##    ---
## 3266: 2022-03-05 New Brunswick   NA    65 to 84 years      Males
## 3267: 2022-03-05 New Brunswick   NA    65 to 84 years      Females
## 3268: 2022-03-05 New Brunswick   NA 85 years and over Both sexes
## 3269: 2022-03-05 New Brunswick   NA 85 years and over      Males
## 3270: 2022-03-05 New Brunswick   NA 85 years and over      Females
```

```
##          GEO      V1
##          <char>      <IDat>
## 1: New Brunswick 2022-03-05
```

```
##          Age      Sex      V1
##          <char>      <char>      <IDat>
## 1:      all ages Both sexes 2021-11-27
## 2:      all ages      Males 2021-11-27
## 3:      all ages      Females 2021-11-13
## 4:    0 to 44 years Both sexes 2021-06-05
## 5:    0 to 44 years      Males 2021-10-09
## 6:    0 to 44 years      Females 2021-11-13
## 7:   45 to 64 years Both sexes 2021-11-20
## 8:   45 to 64 years      Males 2021-11-06
## 9:   45 to 64 years      Females 2021-10-30
## 10:  65 to 84 years Both sexes 2021-11-27
## 11:  65 to 84 years      Males 2021-10-30
## 12:  65 to 84 years      Females 2021-11-13
## 13: 85 years and over Both sexes 2021-11-27
## 14: 85 years and over      Males 2021-11-27
## 15: 85 years and over      Females 2021-11-13
```