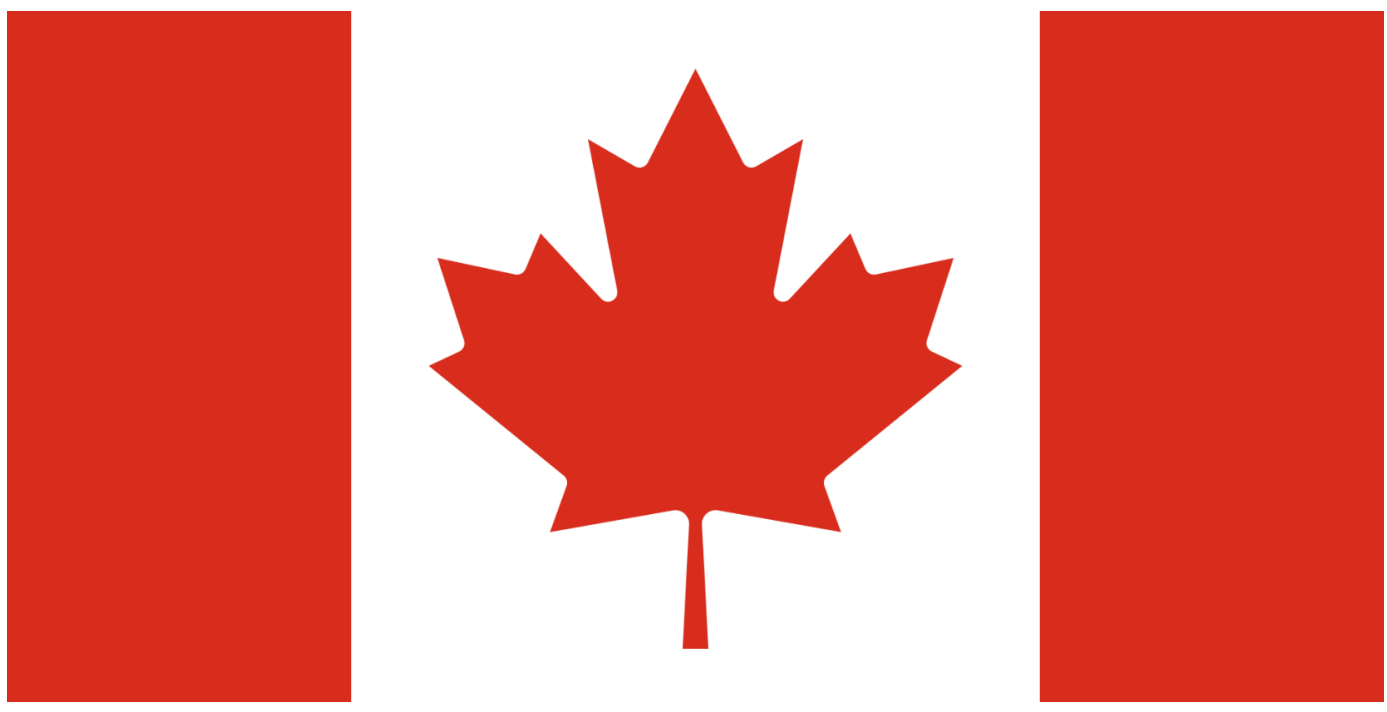
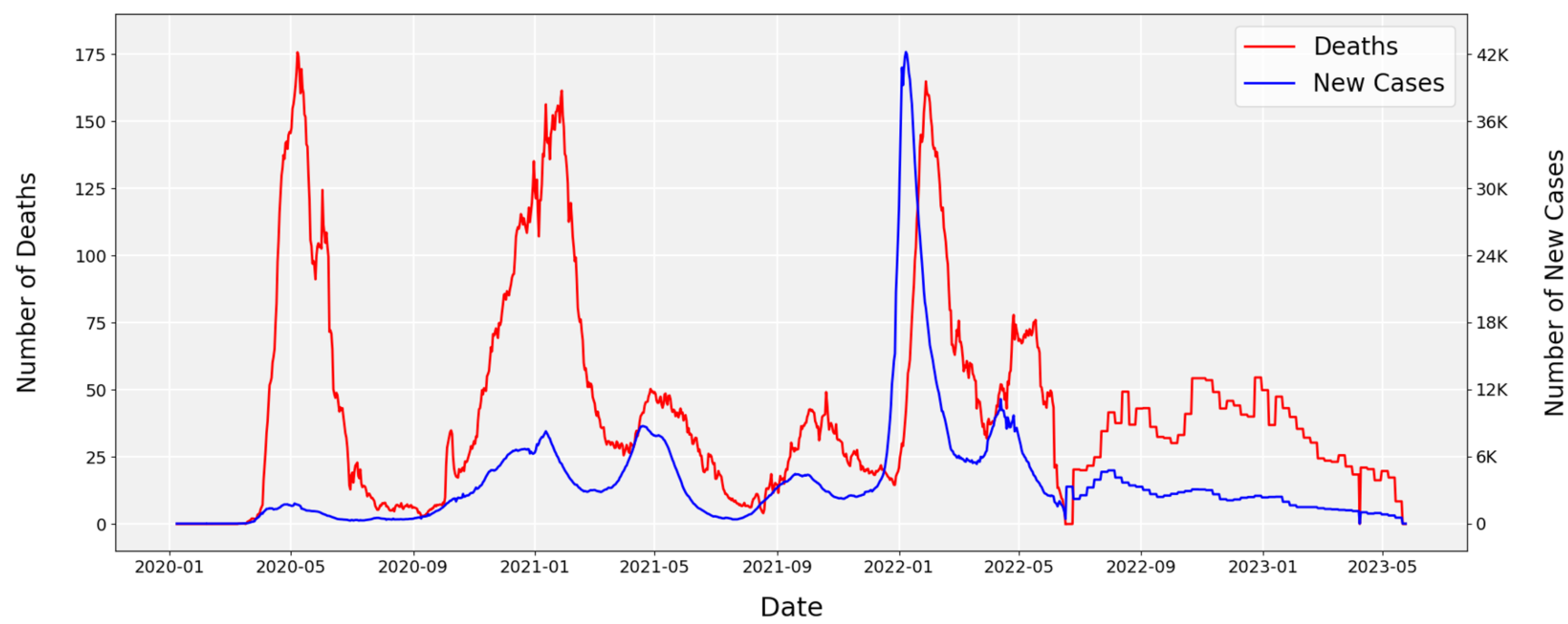


COVID-19 in Canada

Krzysztof Zakrzewski & Dawid Jamka



Daily New Cases vs Daily Deaths



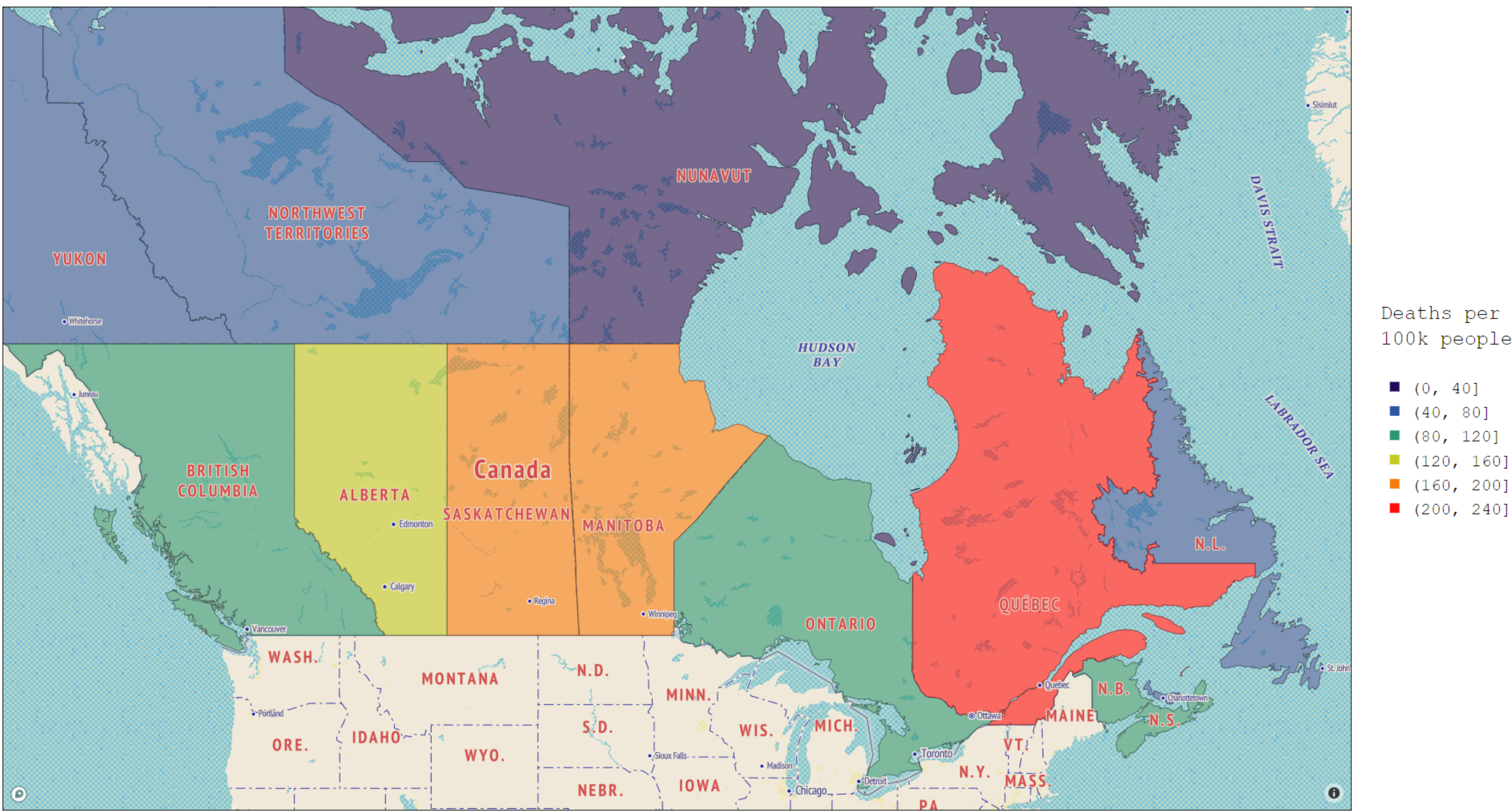
The initial high case-fatality rate for COVID-19 in Canada has **gradually reduced** starting from **2021** due to increasing vaccination coverage. Since **Summer 2022**, the **fatality rate has spiked again** to an alarming level. This phenomenon can be partially explained by the population **not** following vaccination **with booster shots**.

The severity of the COVID-19 was visibly varying across Canadian provinces. The most impacted region was **Quebec**, with **Montreal** as its **most populated city**.

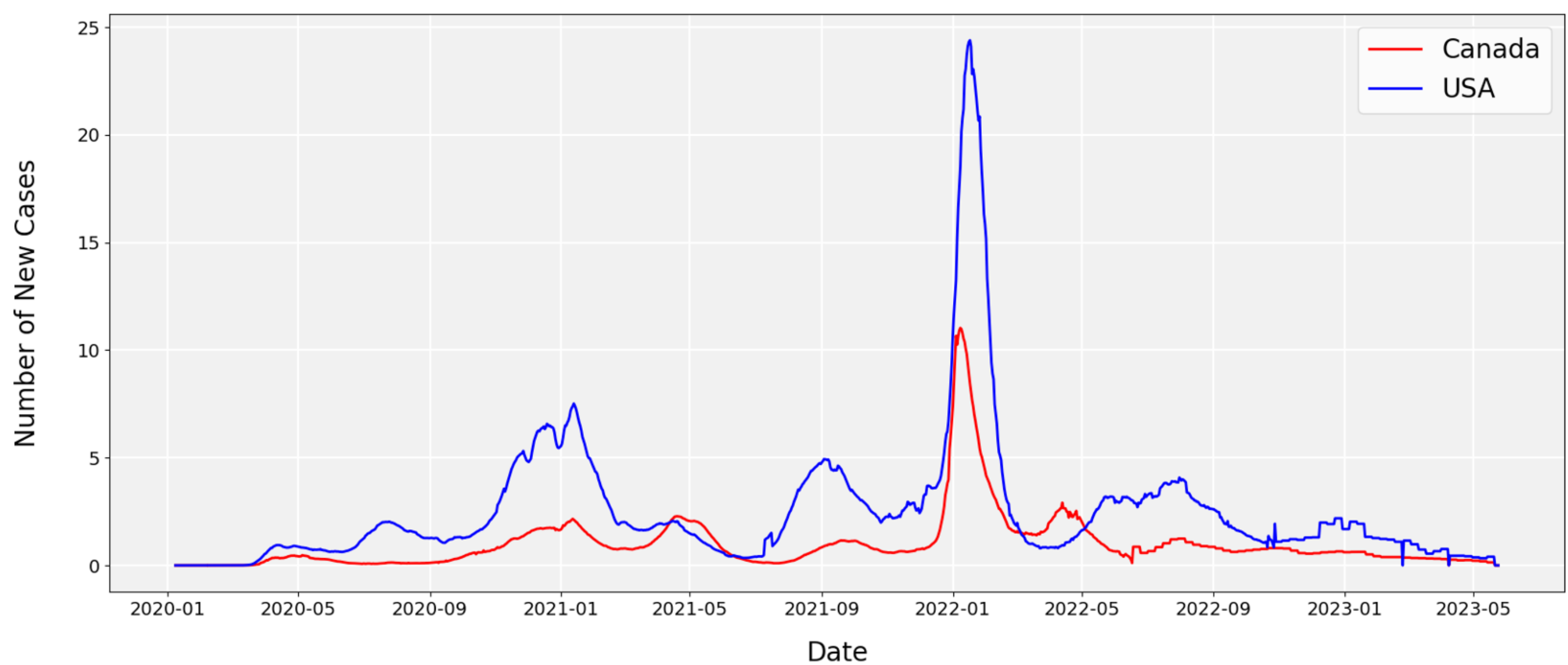
The municipality is a reason why Quebec statistics stand out – until the middle of May 2020, Montreal accounted for **64% of the entire province's death toll**.

Second and third most populated provinces in Canada are **Ontario** and **British Columbia**. Their example shows that the existence of **large population centres** is not enough to explain why COVID-19 in Quebec was so severe. What makes **Montreal** stand out is its **systemic poverty** and **inequality**.

Deaths per 100K people by province

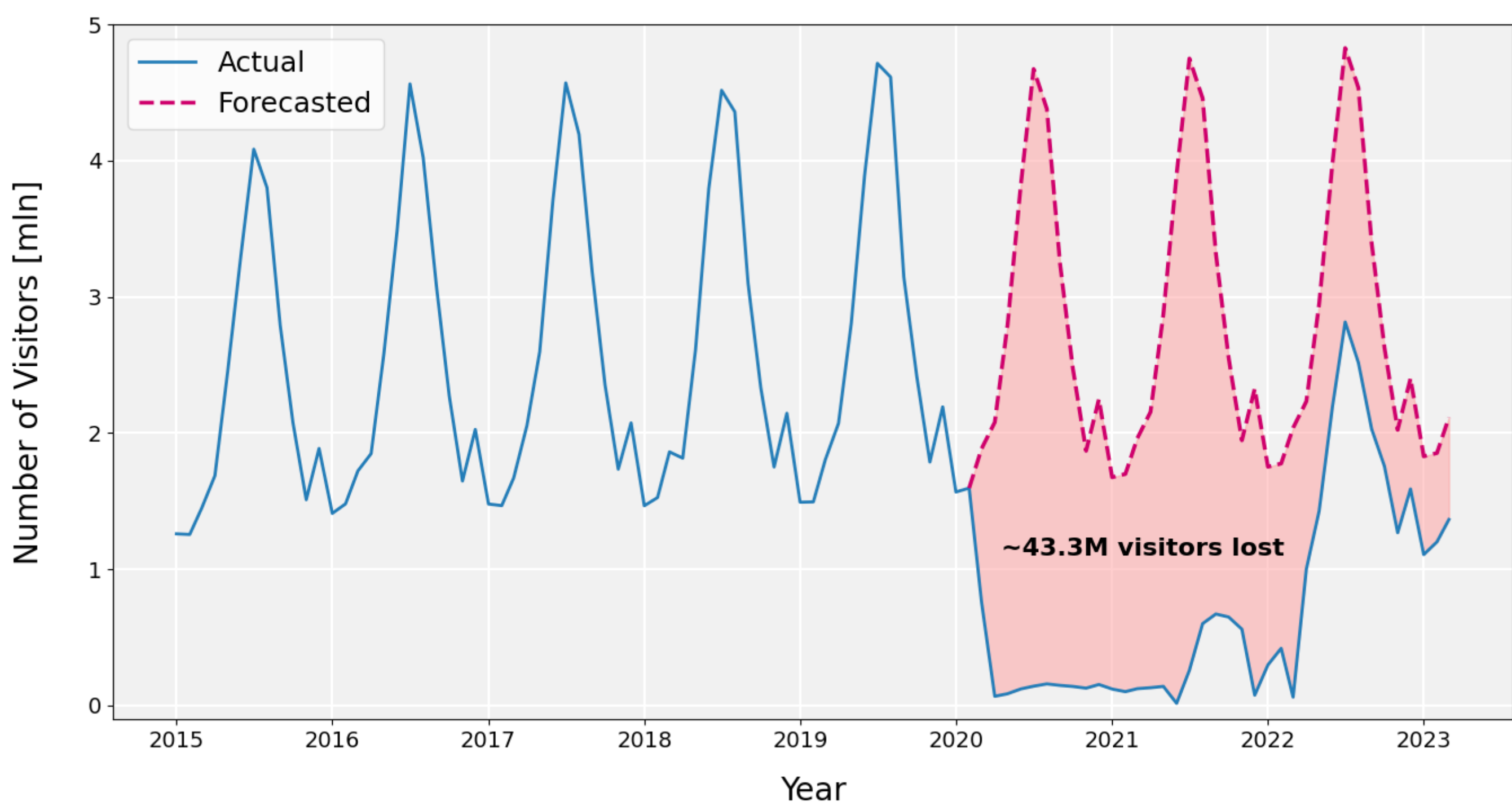


Daily New Cases per 10K citizens, Canada vs USA

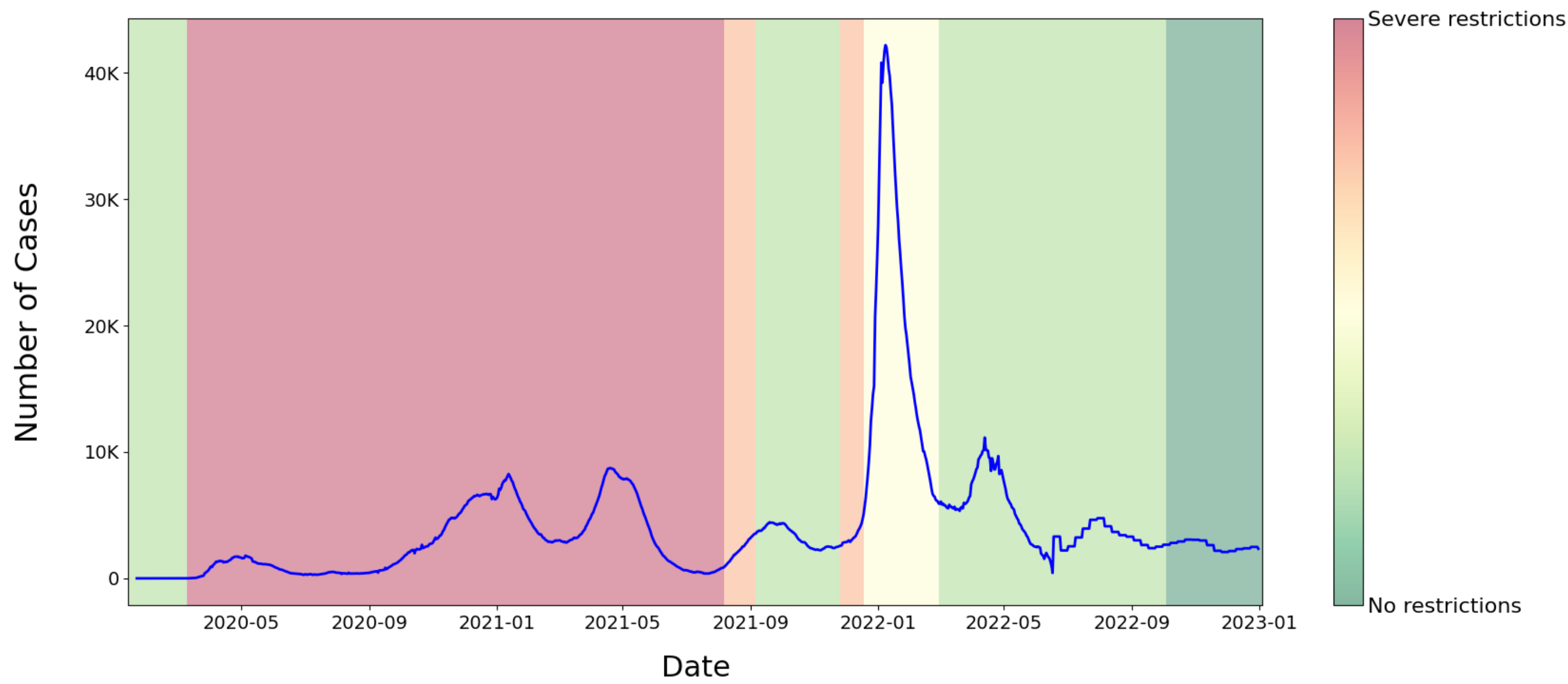


The timeline of subsequent waves in Canada and the USA was similar. Peaks in the observed number of new cases in the **USA** are **more pronounced** and have brought significantly **more infections per citizen**.

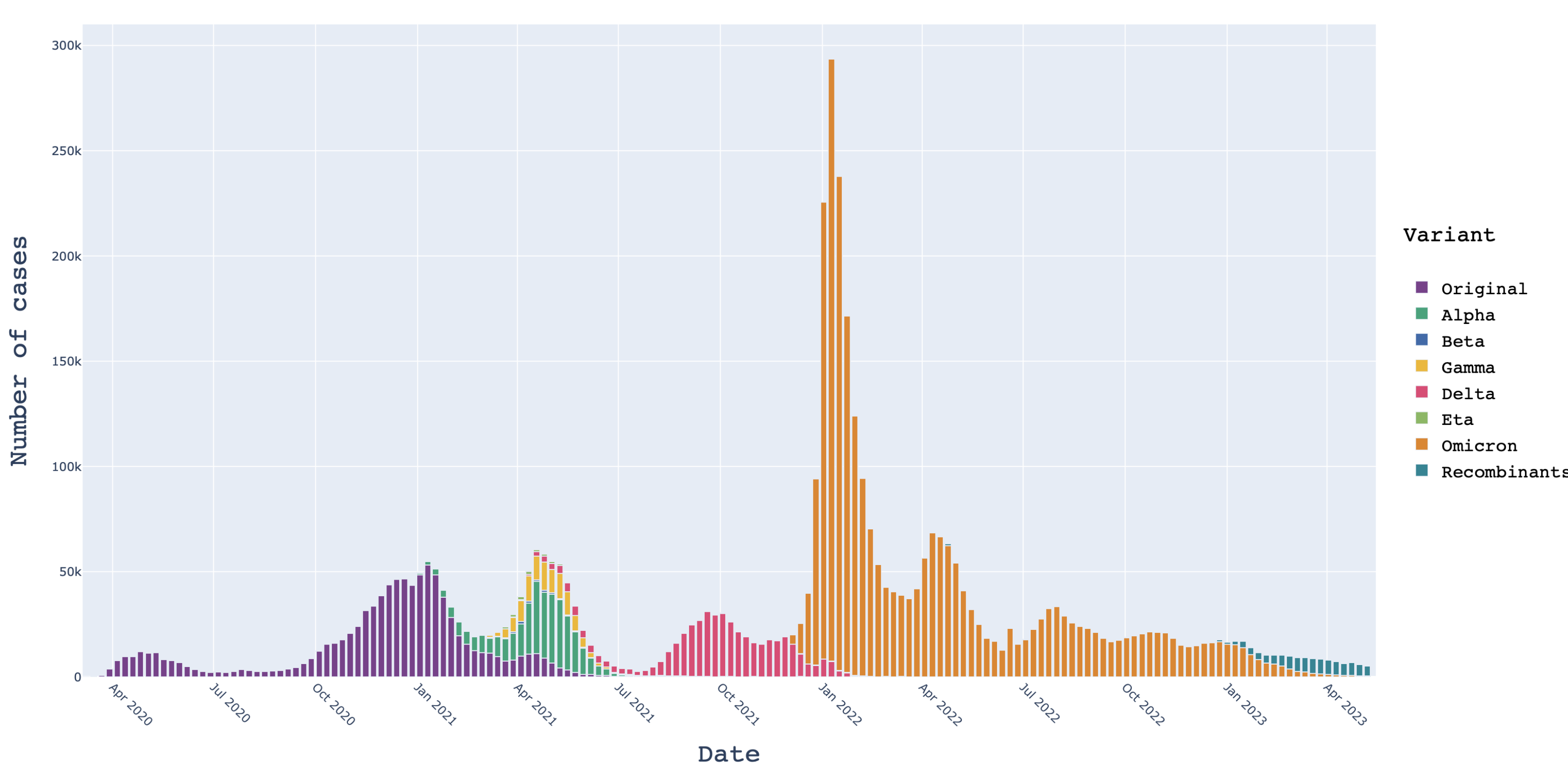
Travelers visiting Canada (monthly)



Daily New Cases vs Restrictions: International travel controls



Weekly Cases by Variant



The pandemic timeline in Canada can be separated into **distinct phases** based on the most dominant COVID-19 variant. One exception could be seen around the **Spring of 2021** when each of **Alpha**, **Gamma** and the **original strain** contributed considerably to the total number of cases.

International travel restrictions impacted Canadian tourism drastically but turned out to be the **most effective preventive measure**. Out of **eight** distinct categories highlighted by COVID-19 Government Response Tracker it achieved **the lowest correlation** with a number of new cases to come in the next **ten days**.