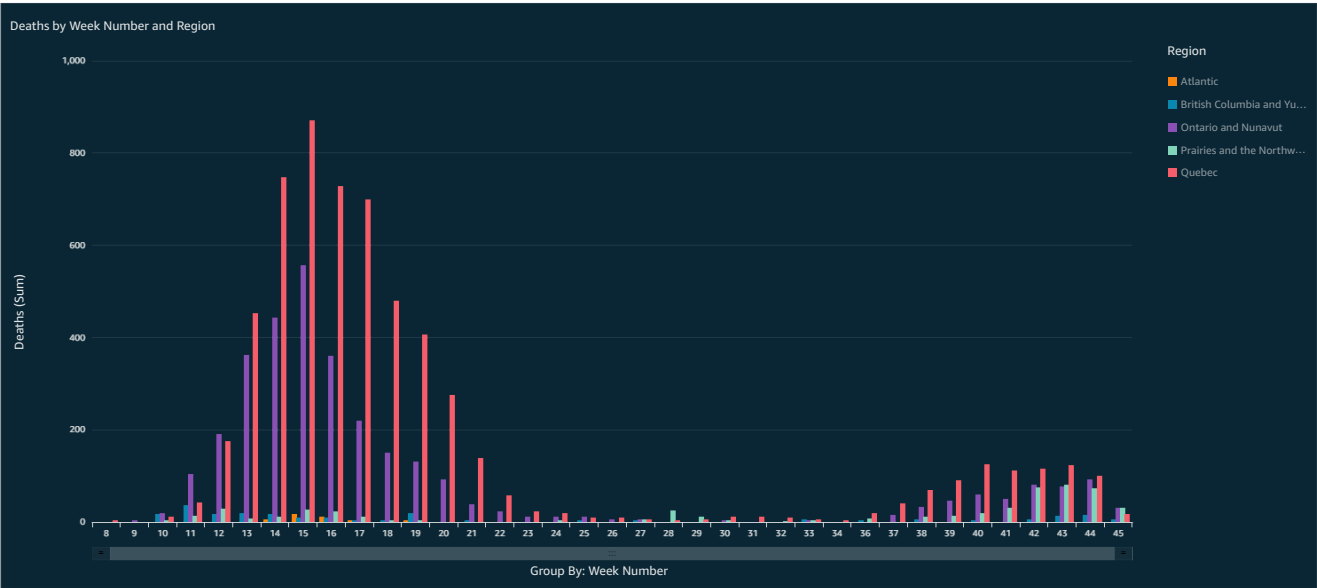


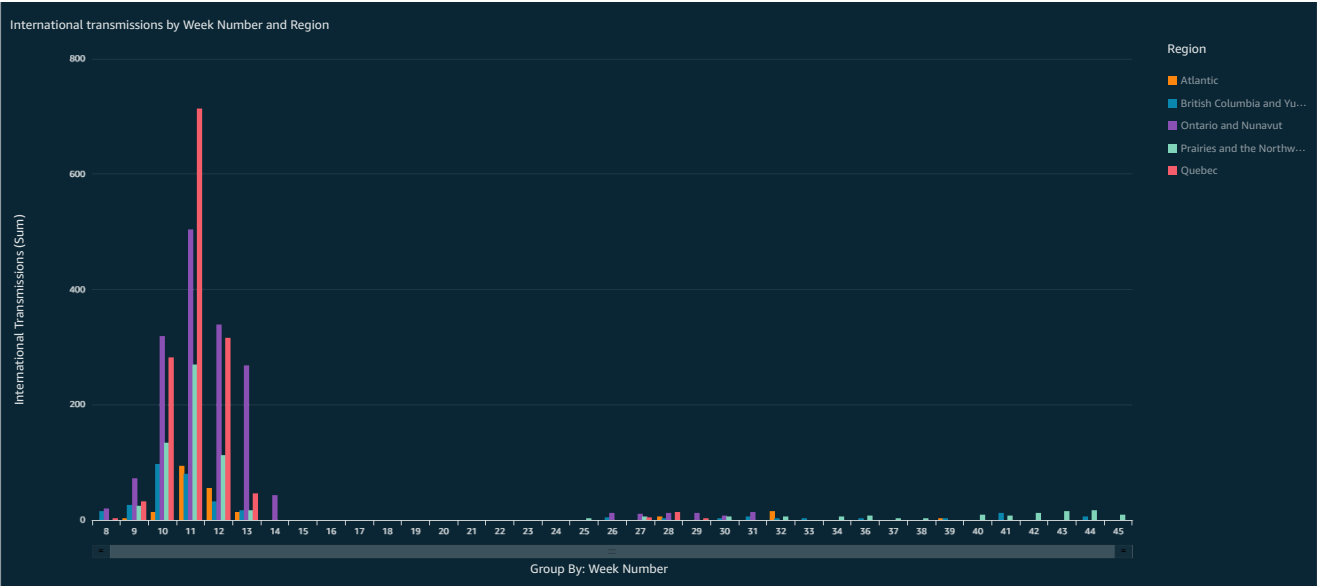
Plot of new Covid-19 cases in each province by week

A high number of cases in Quebec and Ontario regions, this could be due to proximity to USA, but since BC and the Prairies also share extensive boundaries with the USA, we postulate that the high number of cases are due to the large percentage of population in these regions living in high density urban neighborhood, which increases the risk of an outbreak.



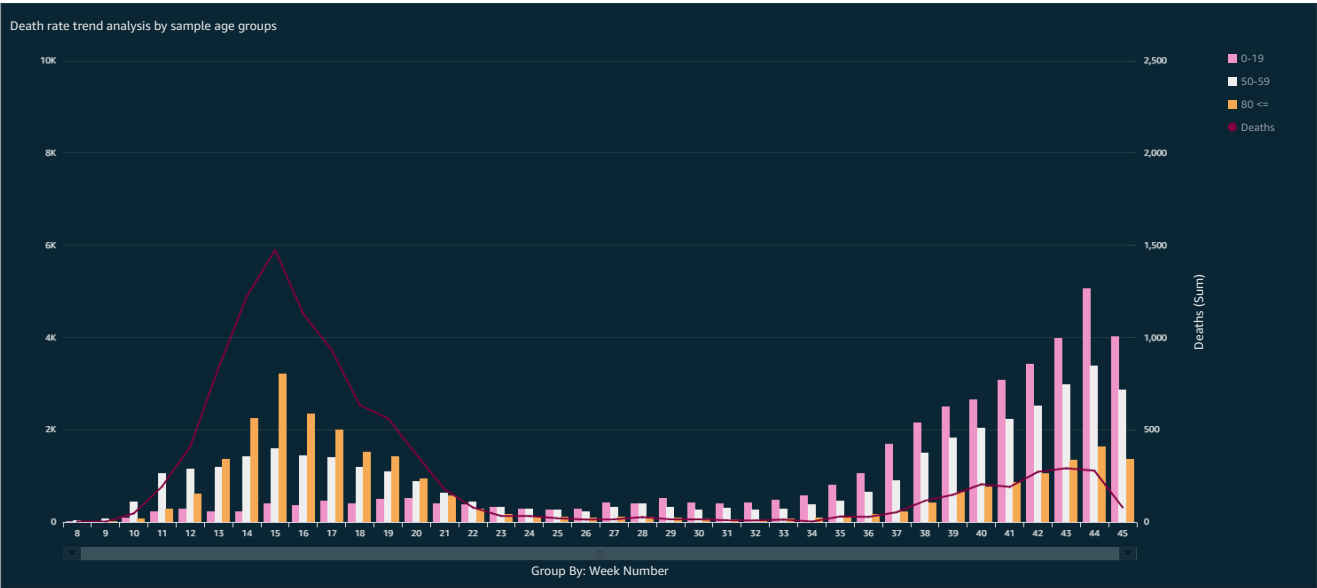
Plot of deaths due to Covid-19 in each province by week

A high number of deaths in Quebec and Ontario regions could be attributed to high percentage of older population living in those regions. A plot study of death rate and age groups will be studied below to confirm this hypothesis.



Plot of Covid-19 cases in each province due to international transmissions by week

Quebec and Ontario provinces also seem to have been the most accessible to international travellers, and hence this could also have been once of the reasons for the high number of cases and deaths of Covid-19 in those places.



Plot of new Covid-19 cases in sample age groups and deaths due to Covid-19 by week

In this graph, we have taken sample age groups - 0-19 years (young), 50-59 (old) and 80+ (very old), to study if there is any correlation between age and death rates. And from the graph we have obtained, we are able to notice a positive correlation between the number of cases and the death rate, but it is the most striking between the number of cases in the very old age group and the death rate. This seems to indicate that a person's age also plays a role in determining the risk and dangers of contracting the virus.