

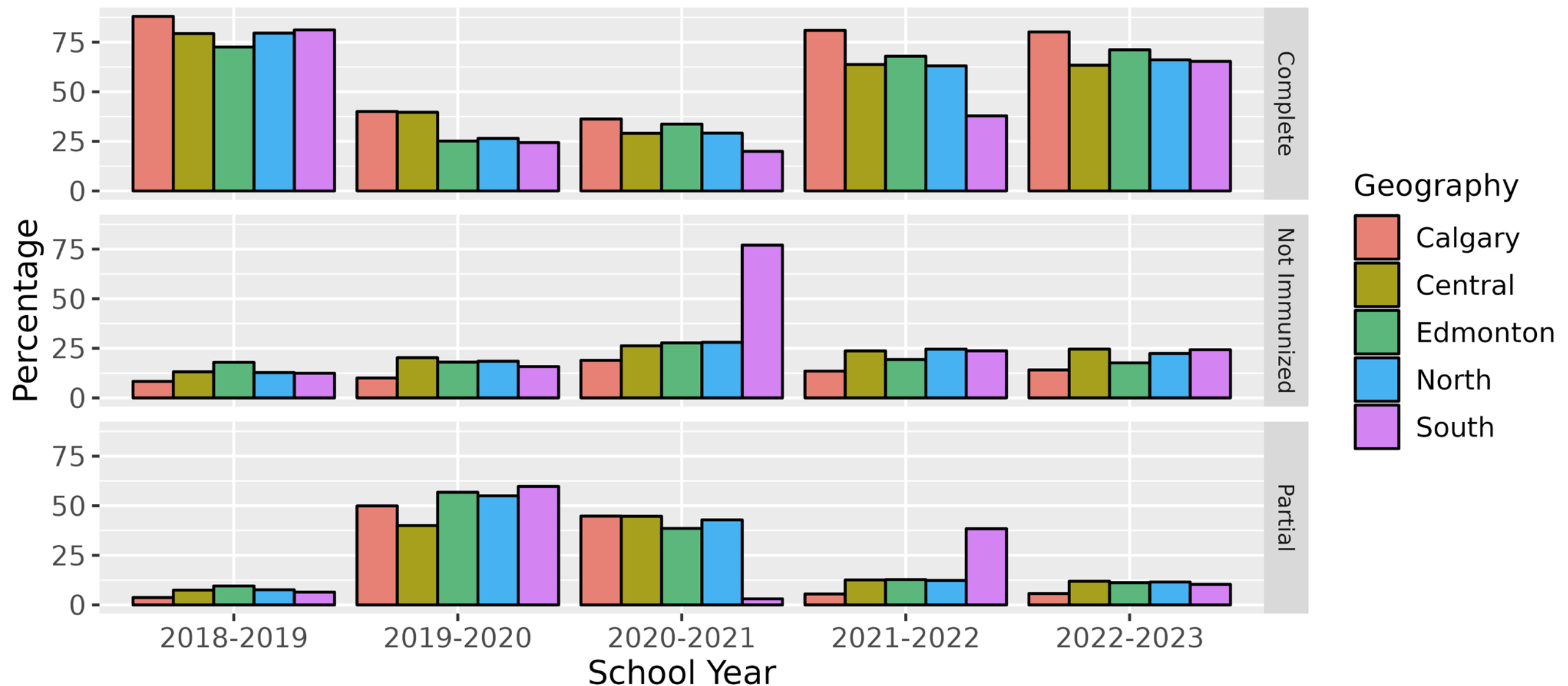
Hepatitis B Immunization among Grade 6 students in Alberta

SY 2018-19 to 2022-23

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For: Data Scientist,
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2023 Nov 17th

Source code: https://github.com/yrodriguezmd/HBV_Alberta_School/tree/main

HBV Immunization among Grade 6 Students in Alberta



* The highest HBV completed immunization for the past 5 years was in the Calgary zone at 88.31%

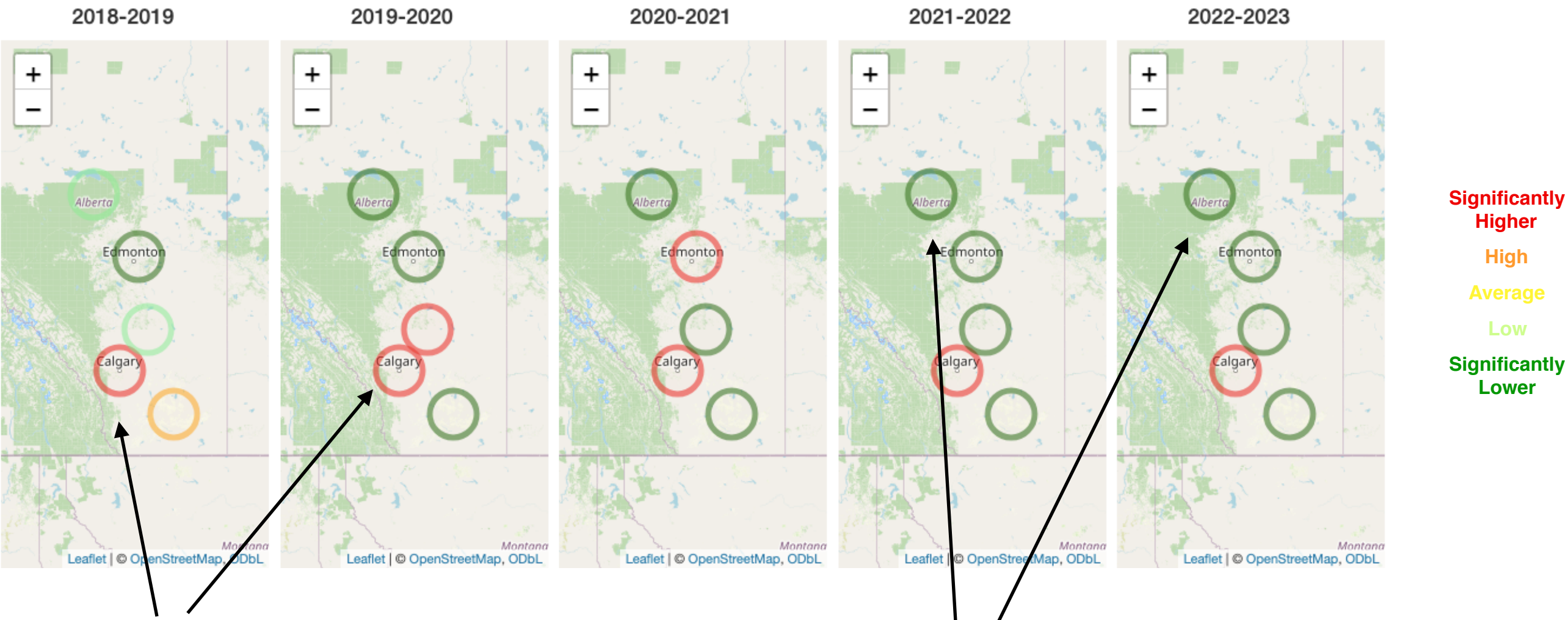
* None of the 5 zones reached the target of 90% complete immunization

* There was a decrease in vaccination rates during the pandemic years SY 2019-20 and 2020-21

* The rates are recovering but still has not reached pre-pandemic levels

interactive plot: https://fed1li-maria0lorena-rodriguez.shinyapps.io/HBV_Alberta_School/

Figure 2. HBV Complete Immunizations for Grade 6 students by Zone Relative to Provincial Average



interactive plot: https://fed1li-maria0lorena-rodriguez.shinyapps.io/HBV_Alberta_School/

- **Limitations**

- A change in educational models with increased adoption to non-traditional schooling
- Data from schools in First Nations reserves are not included in the database
- Data prior to 2021 may be incomplete



- **Moving Forward**



- Re-evaluate vaccination methods that can be effectively used outside of traditional school approaches
- Strengthen data reporting from sources such as clinics and pharmacies
- Liaise with First Nations councils to find common objectives in the prevention of Chronic Hepatitis B