



mtrackr

improving the quality of healthcare



Meet Alawa

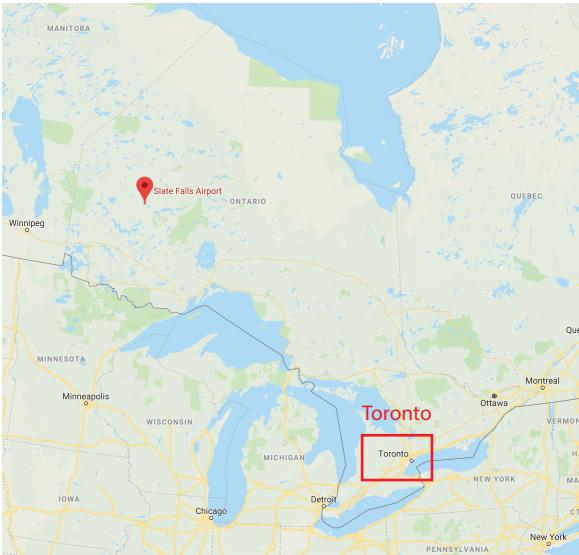


Alawa Abenaki

- Alawa is from Slate Falls First Nation community in Northern Ontario
- She is 77 years old
- A family doctor comes to her community 2 times per month so she waits for an appointment [1]



Meet Alawa

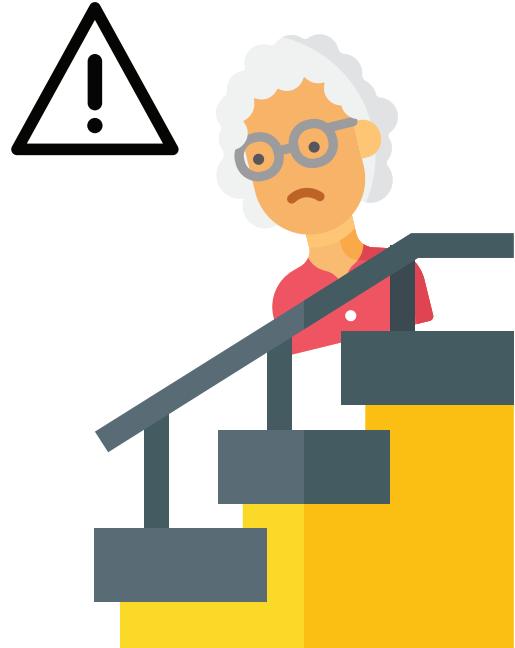


Sioux Falls, ON

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- She is 77 years old
- A family doctor comes to her community 2 times per month so she waits for an appointment [1]



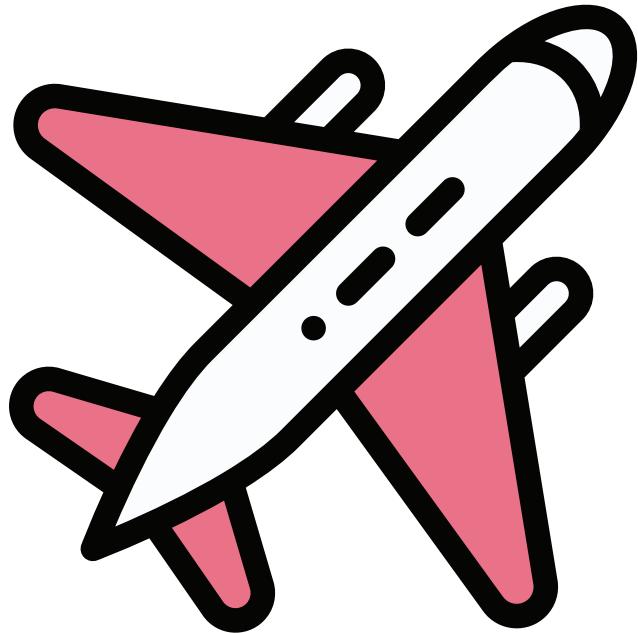
Alawa Falls



- Alawa starts feeling dizzy on occasion
- One day she falls down and breaks her hip
- She has to be airlifted to the Sioux Lookout health centre located 180 km away



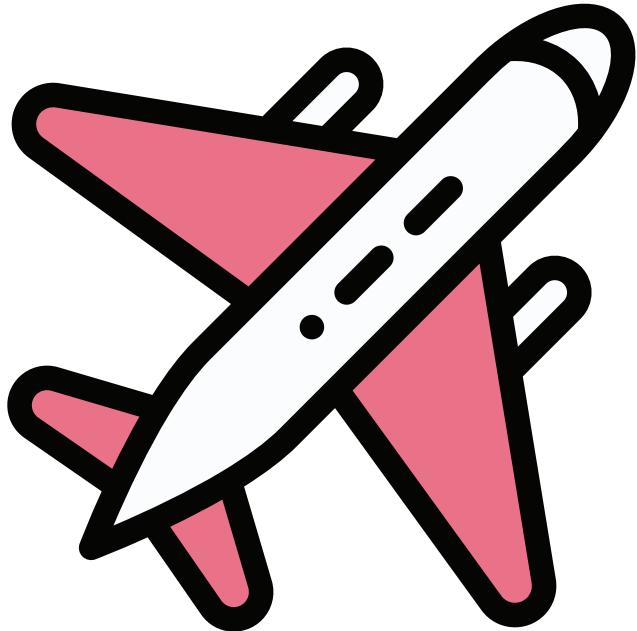
Doctors are Inaccessible



Doctors are usually not based
in these communities and fly
in every few weeks [2]

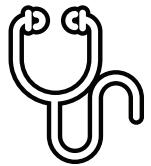


Doctors are Inaccessible

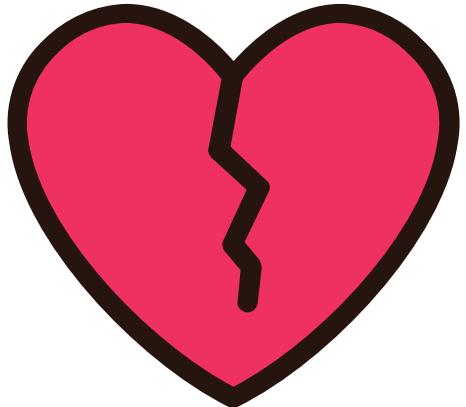


This results in:

- Infrequent physician visits
- Incomplete information for the doctors to work with



Care is Worse



Which leads to worse health outcomes
for remote communities



Older People Are Most Affected



- Multiple illnesses
- Many medications
 - **25%** of Canadian seniors are on **10+** meds [3]
- Few specialists
 - Only **2%** of Canada's specialists serve **20%** of Canada's total pop. which is rural [4]



What Do We Need to Solve



- 1) Help physicians prescribe safer medications
 - **25-50%** of medications prescribed to seniors are **inappropriate** according to the **Beers' Criteria** [5]

- 2) Track symptoms over the long term
 - Provide more data for more accurate

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An easy-to-use symptom tracker that records symptoms experienced by the patient every few days



A platform that provides more detailed patient history for the doctor and helps them choose better treatment



Impact



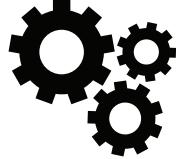
Financial

\$10 million annually is spent on inappropriate medications, leading to loss in money as well as adverse side effects to patients [6]



Health

Up to date and detailed symptom data can help patients optimize treatment, thereby improving the medical experience



Plan for Rollout

Slate Falls First Nation community



Focusing on Alawa's community first

Community Telehealth Coordinators

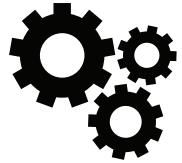


Collaborating with the health workers in the community

Ontario Telemedicine Network



Provides virtual healthcare solutions to 1600 underserved communities



Scalability



Slate Falls

60



Other Indigenous
communities

50,000



Seniors in
Canada

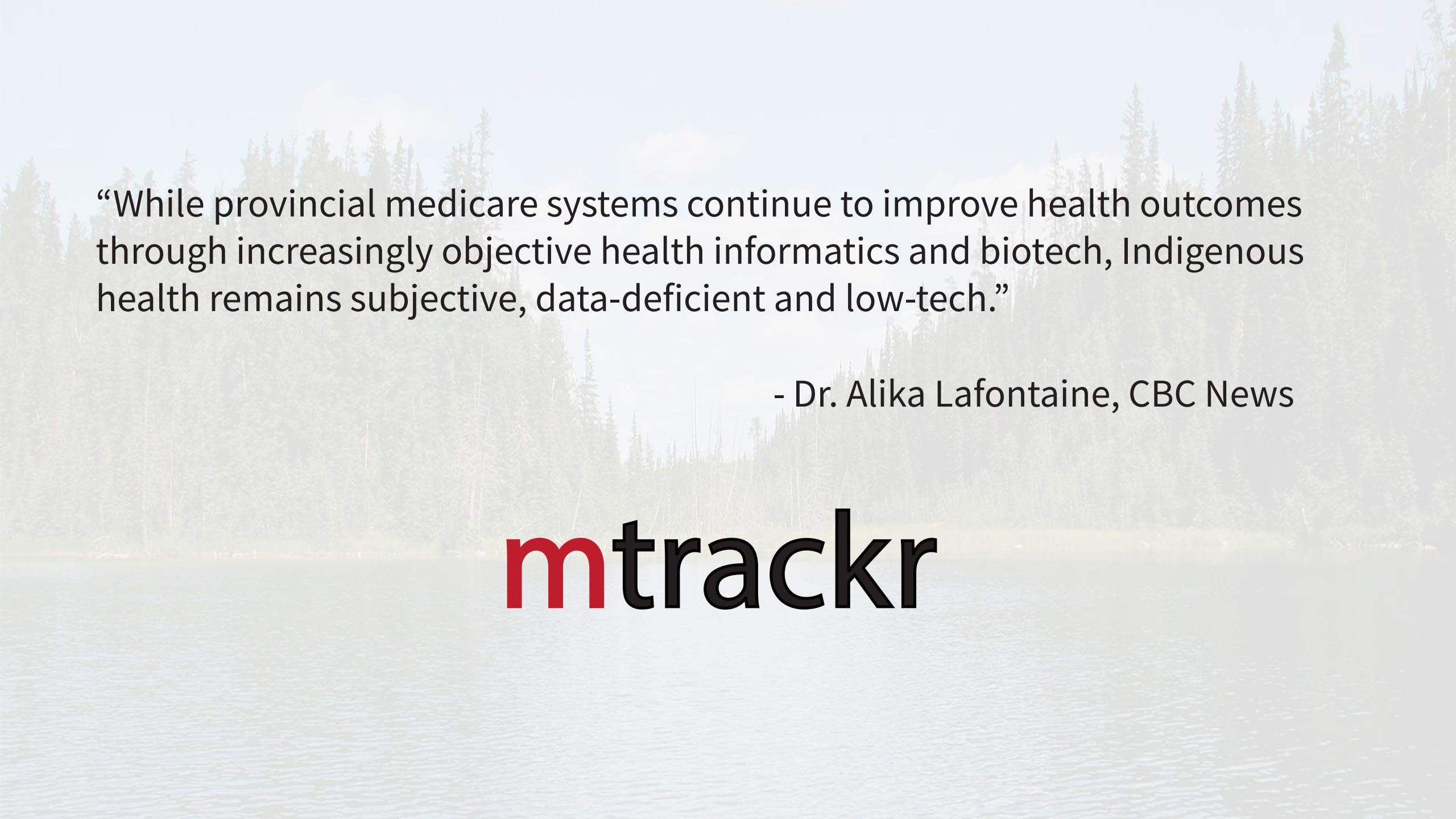
5m



Worldwide

600m

[7][8]

A photograph of a misty forest. In the foreground, there's a body of water with small ripples. Behind it, a dense forest of tall, thin evergreen trees stands in a misty, hazy atmosphere.

“While provincial medicare systems continue to improve health outcomes through increasingly objective health informatics and biotech, Indigenous health remains subjective, data-deficient and low-tech.”

- Dr. Aliko Lafontaine, CBC News

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References

- [1] <https://telemedicine.knet.ca/communities/slatefallsfirstnation>
- [2] https://secure.cihi.ca/free_products/Geographic_Distribution_of_Physicians_FINAL_e.pdf
- [3] <https://www.cihi.ca/sites/default/files/document/drug-use-among-seniors-2016-en-web.pdf>
- [4] <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2211345/>
- [5] <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4957869/>
- [6] <https://www.canada.ca/en/indigenous-services-canada/services/first-nations-inuit-health/reports-publications/non-insured-health-benefits/annual-report-2016-2017.html#a3>
- [7] <https://www.canada.ca/en/employment-social-development/programs/seniors-action-report.html>
- [8] <https://www.nih.gov/news-events/news-releases/worlds-older-population-grows-dramatically>