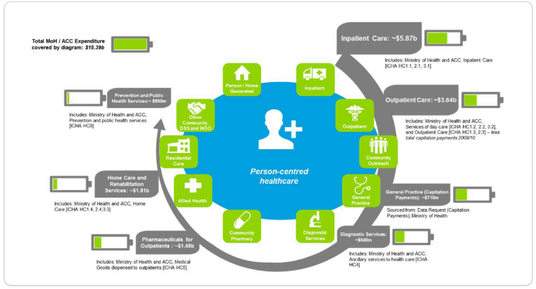

https://www.tewhatuora.govt.nz/for-health-professionals/data-and-statistics/diabetes

Can tie into whatu ora dataset

Possible Topics

https://www.tandfonline.com/doi/abs/10.1080/08820538.2021.1893351

https://bmjopen.bmj.com/content/bmjopen/12/10/e065430.full.pdf

Illness Costs NZ

https://www.health.govt.nz/system/files/2022-06/cost_of_illness_itcs_2_jun_-_jr.pdf

Current NZ EHR Implementations

https://www.health.govt.nz/system/files/2015-10/independent-review-new-zealand-electronic-health-r...

Patient-centric value of electronic health records: The case of Hea...

Electronic health records (EHR) are digital repositories allowing access...

aisel.aisnet.org

This is about HealthOne, a EHR system in use in the south island in use by most medical practices down there.

Notes

4.1 Medical safety

One consistent and significant outcome reported by all participants was that HealthOne significantly enhanced medication safety. Medication safety is the process of preventing and managing prescription medication error (Jafaru and Abubakar 2022). HealthOne allows users to access prescribed medication and its dispensing status. Research has demonstrated that EHR does not generally present the dispensing status function (Hoopes et al. 2018). As a result of this situation, pharmacies in Australia also implemented e-prescribing systems, which were separate from the EHR (Hareem et al. 2024). HealthOne has effectively eliminated the barrier between prescribed and dispensed medication management by integrating the dispensing tracking function into the medical section. This integration enables healthcare providers to customise their care plans for their patients and fulfil their understanding of medication (Hoopes et al. 2018). It provides them with true understanding whether the patient is taking the prescribed medicine and with information on potential interactions and side effects.Additionally, the system also allows real-time reporting and collaboration in managing prescription, which allows sharing mutual understanding between healthcare professionals in medication data. Consequently, prescription duplication and medication errors are prevented.

Money saved through not prescribing a drug multiple time.
Tax profit from wages of people not killed from medication errors.

"And those are the patients who we call our familiar faces.And they're the patients who bounce from one surgery to the next 24-hour surgery. And they're gaming the system to get more of a particular drug.... So, yes, that has reduced errors because it means that we're not prescribing on top of somebody else's prescription, which was easy to do previously. So, it's made a big difference." [GP2]

EHR reduces addicts access to prescription drugs?
Tie into addiction dataset?

https://www.tewhatuora.govt.nz/for-health-professionals/data-and-statistics/mental-health-and-addic...

Another way of improving patient safety is by reducing the risk of misdiagnosis by providing comprehensive information on all tests that have been performed previously. It gives professionals more definitive options for care and lower probability of prescribing the wrong treatment.Also, it eliminates potential delays in diagnosis which for some patients (e.g. cancer patients) has critical impact. For example, if a GP orders unnecessary tests then there is a waiting time of 2-3 weeks.

Save money and time by not duplicating tests already done.
Save money by not wasting on wrong treatments.

In the context of HealthOne, the system's algorithm and the documentation collaboration feature had been utilised by participants to making informed and accurate clinical decisions. Additionally, by using the documentation collaboration feature, the system has been reported to provide the full picture about the patient's medical conditions, which could help in making more appropriate clinical decision, particularly in emergency services, resulting in over investigation prevention. This saves the use of precious resources.

"And so, I can see that some of my patients that are attending ED quite regularly are also attending after hours quite regularly. So, I can look at the notes that the doctor's written and see what kind of presentations they're going to after hours for ...And yeah, that just helps give a big picture because some of these patients are being over investigated... And so, it's kind of like, actually they've been really well investigated for this particular problem."[GP3]

According to OECD iLibrary (2017), healthcare resources includes both financial resources and human resources. In the context of HealthOne, the system's feature to allow comprehensive information accessibility has been stated to have positive impacts on saving resources for healthcare professionals through the prevention of duplicated investigation.

Save money by preventing over investigation and reducing resource usage.