

Eye care services for older adults with vision impairment



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Photo: Sarah Langdon.

Photo: Leonid Skorin Jr.



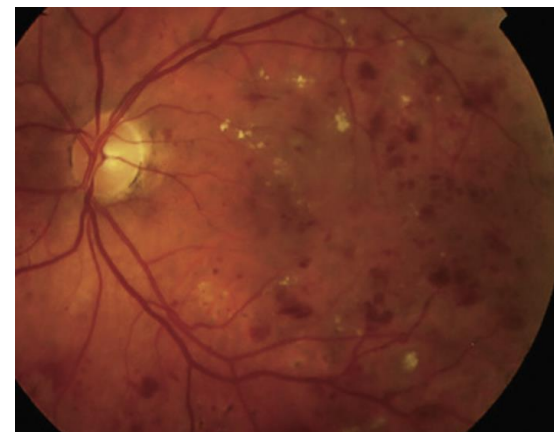
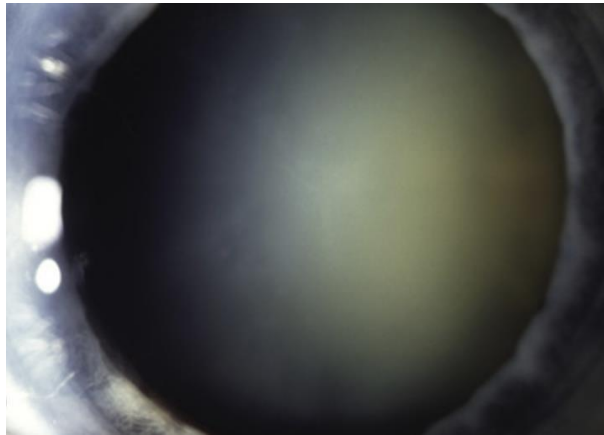
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Q1										GBD Region															
ID	Journal	MPF/VL	MATCH	Year	Country	Region	GBD Region																		
1079	Annual Review of Vision Science	male	Y	New York	USA	HIC	North America High Income																		
16030	Annual Review of Vision Science	male	Y	New York	USA	HIC	North America High Income																		
18562	Annual Review of Vision Science	female	Y	Massachusetts	USA	HIC	North America High Income																		
15344	Annual Review of Vision Science	female	Y	Boston	USA	HIC	North America High Income																		
82120	Annual Review of Vision Science	female	Y	USA	USA	HIC	North America High Income																		
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62049	Annual Review of Vision Science	male	Y	San Francisco	USA	HIC	North America High Income																		
14406	Annual Review of Vision Science	male	Y	USA	USA	HIC	North America High Income																		
39107	Annual Review of Vision Science	male	Y	USA	USA	HIC	North America High Income																		
12911	Annual Review of Vision Science	male	Y	USA	USA	HIC	North America High Income																		
81898	Annual Review of Vision Science	male	Y	Berkeley	USA	HIC	North America High Income																		
49151	Annual Review of Vision Science	male	Y	Seattle	USA	HIC	North America High Income																		
40084	Annual Review of Vision Science	male	Y	Seattle	USA	HIC	North America High Income																		
62446	Vision Research	male	Y	Riyadh	Saudi Arabia	HIC	NAMR																		
15460	Vision Research	male	Y	Riyadh	Saudi Arabia	HIC	NAMR																		
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Vision impairment in older adults

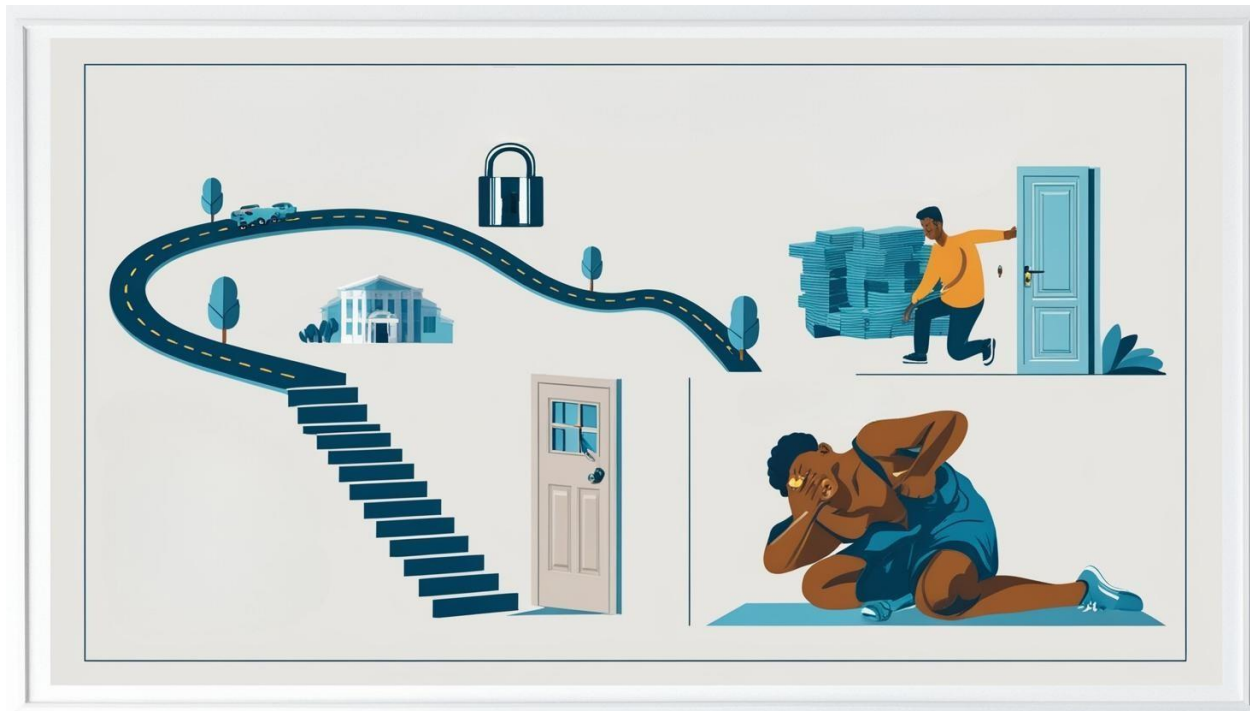
- 11% of people >65 yrs report vision impairment

(Stats NZ Disability Survey)



Research question

Using routinely-collected data, what are the **barriers** to accessing eye health services in Aotearoa New Zealand?



Health Data Platform

- Routinely-collected health service data from Te Whatu Ora National Collections.
- Comprehensive data on all **surgery and procedures**: ACHI and ICD-10 codes
- Data on **ophthalmology outpatient attendance** dates, but no further details
- Data on **diabetic retinopathy screening**
- Virtual diabetes registry
- Pharmaceutical collection
- PHO enrolment
- Mortality data
- Inpatient data



Planned research directions

- Descriptive analysis of people who have accessed eye services
- Is geographic difficulty in accessing cataract services (e.g. people living >1h travel time) associated with cataract surgical rates?
- Social risk factors associated with accessing eye services, e.g. residential care
- Clinical risk factors, e.g. dementia

Nobody Lives Here

Kaore tetahi e noho ana i konei

■ Parts of New Zealand with no inhabitants living per one square kilometre

(78.21% of New Zealand's total area)



Questions for the audience

- Do you frequently encounter older adults who are likely to have high eye care needs but have difficulty accessing eye services? If so, what are the main **social and clinical risk factors**?
- How could health contact data from **services not directly related to eye health** (e.g. data from inpatient admissions) be used to help identify 'at risk groups' who are not accessing eye services?
- Could a **multi-disciplinary** approach be the way forward to improve access to eye services, and if so, how?

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