

Trends in HIV notifications among people from Culturally and Linguistically Diverse backgrounds in Australia 2010-2023

Presented by:

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Acknowledgment of country

Like to acknowledge the traditional owners of the land on which we meet today, the Kurna People. I pay my respects to their Elders past and present and extend that respect to any Aboriginal and Torres Strait Islander people joining us today.

Conflict of interest

I have no conflict of interest to declare.

Background

- Australia is a multicultural society
- HIV is notifiable in each state/territory health jurisdiction in Australia.
- Even though total HIV notifications are decreasing – proportion of notifications among culturally and linguistically diverse communities is increasing – rising from 28% of total HIV notifications in 2015 to 46% in 2022 ⁽¹⁾
- Not much known about HIV notifications rates among culturally and linguistically diverse people

(1) Naruka, E, Gray, R, King, J, Khawar, L, McGregor, S. 2024, HIV, viral hepatitis and sexually transmissible infections among people from culturally and linguistically diverse backgrounds in Australia: Enhanced surveillance report, The Kirby Institute, UNSW Sydney, Sydney, Australia. <https://doi.org/10.26190/4v8n-0m98>

Aims

- Novel analysis
- Understand annual HIV notifications rates among culturally and linguistically diverse communities
- How are they different than the non-culturally and linguistically diverse people

Methods

- HIV notifications first ever diagnosed in Australia - from the National HIV Registry
- From 1st January 2010 to 31st December 2023
- **Descriptive analysis** – counts and proportion
- **Poisson Regression** – Rate Ratio and Standardised Rate Ratio
- Numerator- number of HIV notifications – overall, by gender and by age groups (from National HIV Registry)
- Denominator – population data (Census data)

Population classification:

Culturally and linguistically diverse communities

Country of birth – non-Main English-speaking country AND/OR Language Spoken At Home – Non- English

Non- Culturally and linguistically diverse

Country of birth –Main English-Speaking Countries* AND Language Spoken at Home –English/ not reported

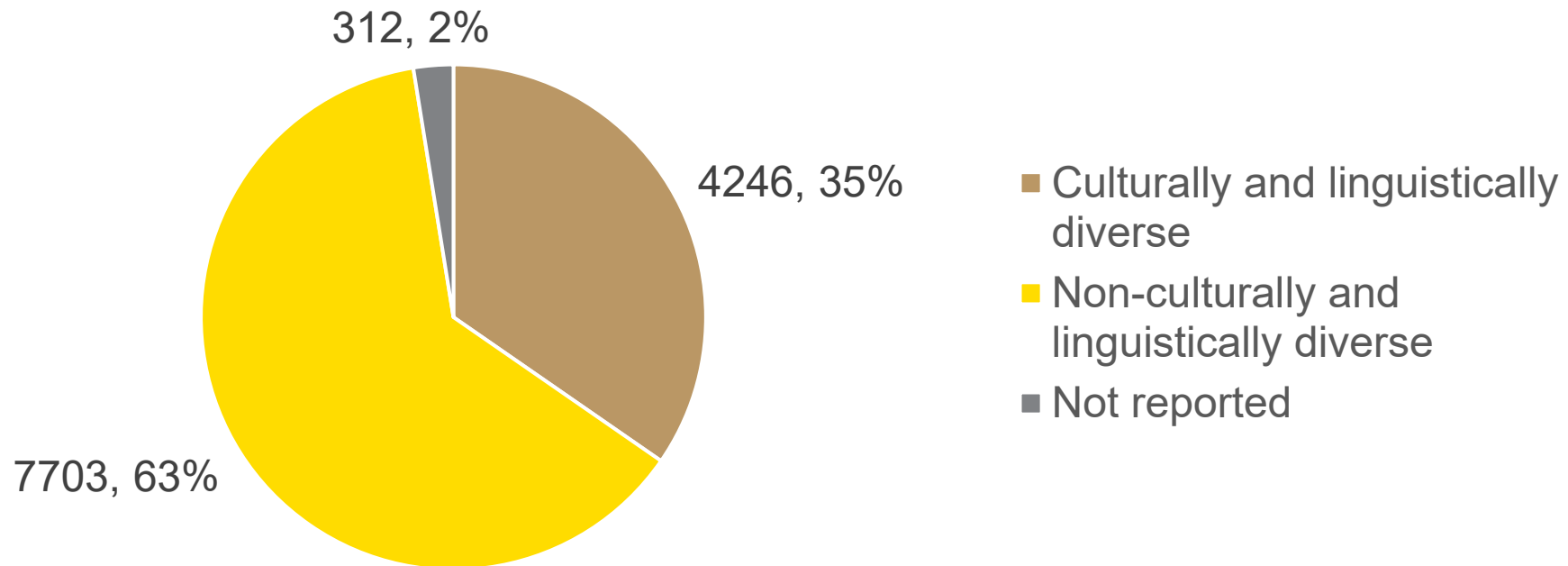
Not reported

Country of birth –not reported AND/OR Language Spoken at Home is Not reported/ English

* **Main English-speaking countries** are Australia, New Zealand, Canada, United States of America, United Kingdom (England, Wales, Northern Ireland, Scotland), Ireland

Results:

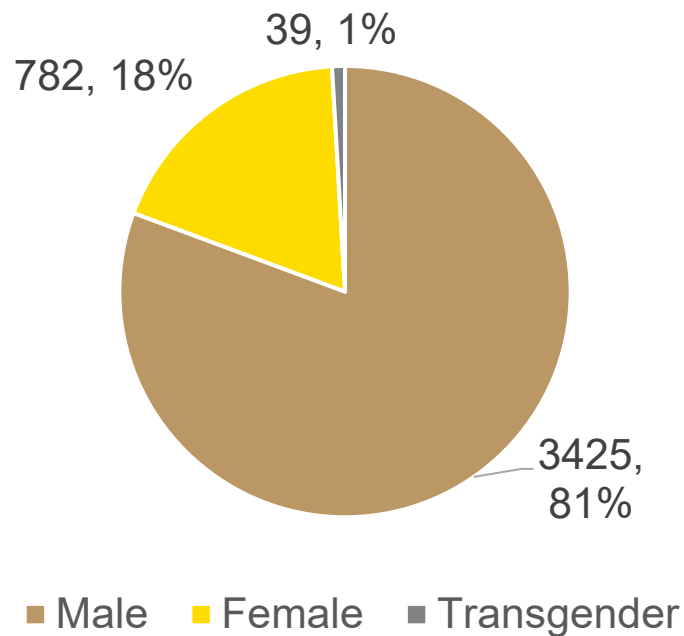
Total: 12,261 HIV notifications from 2010-2023



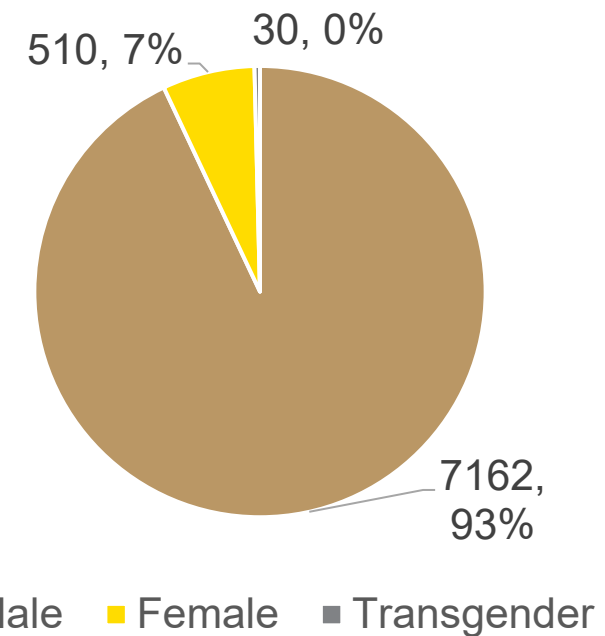
Analysis conducted on 11,949 HIV notifications, excluding notifications where country of birth was not available.

HIV notifications, by gender, 2010-2023

Culturally and linguistically diverse

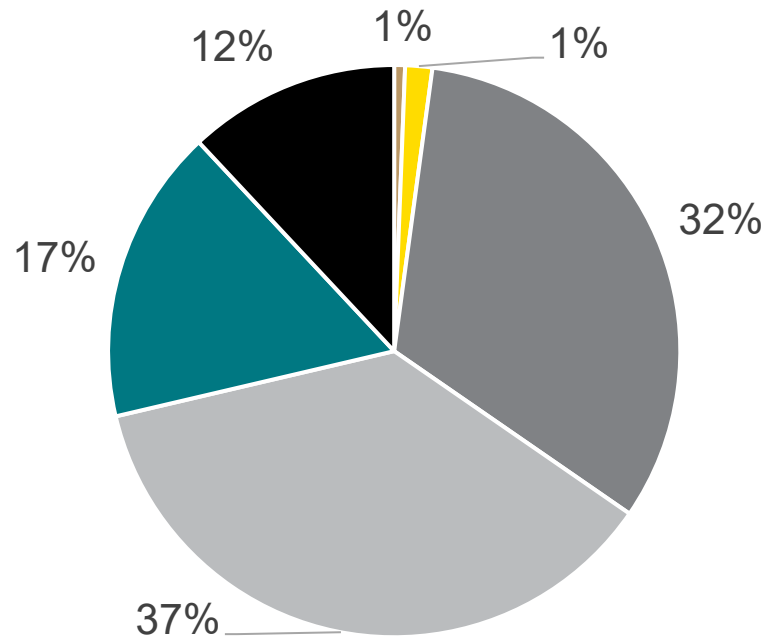


Non-culturally and linguistically diverse



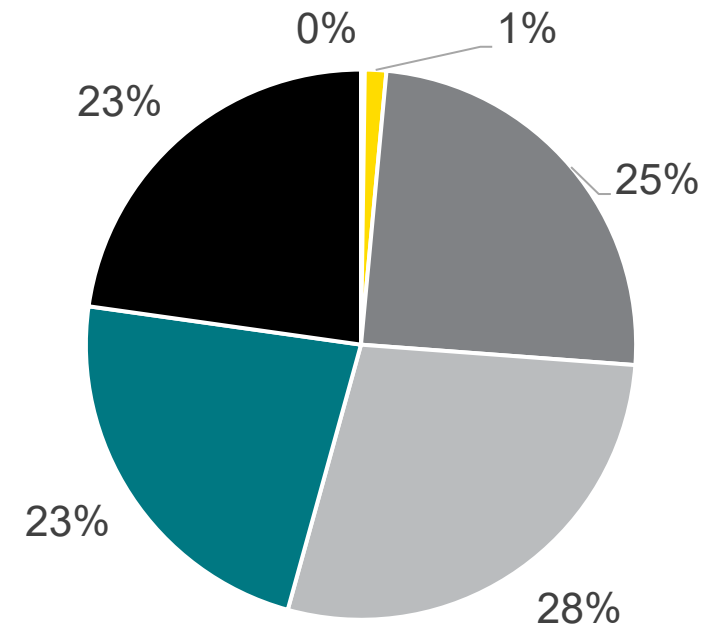
HIV notifications, by age groups, 2010-2023

Culturally and linguistically diverse



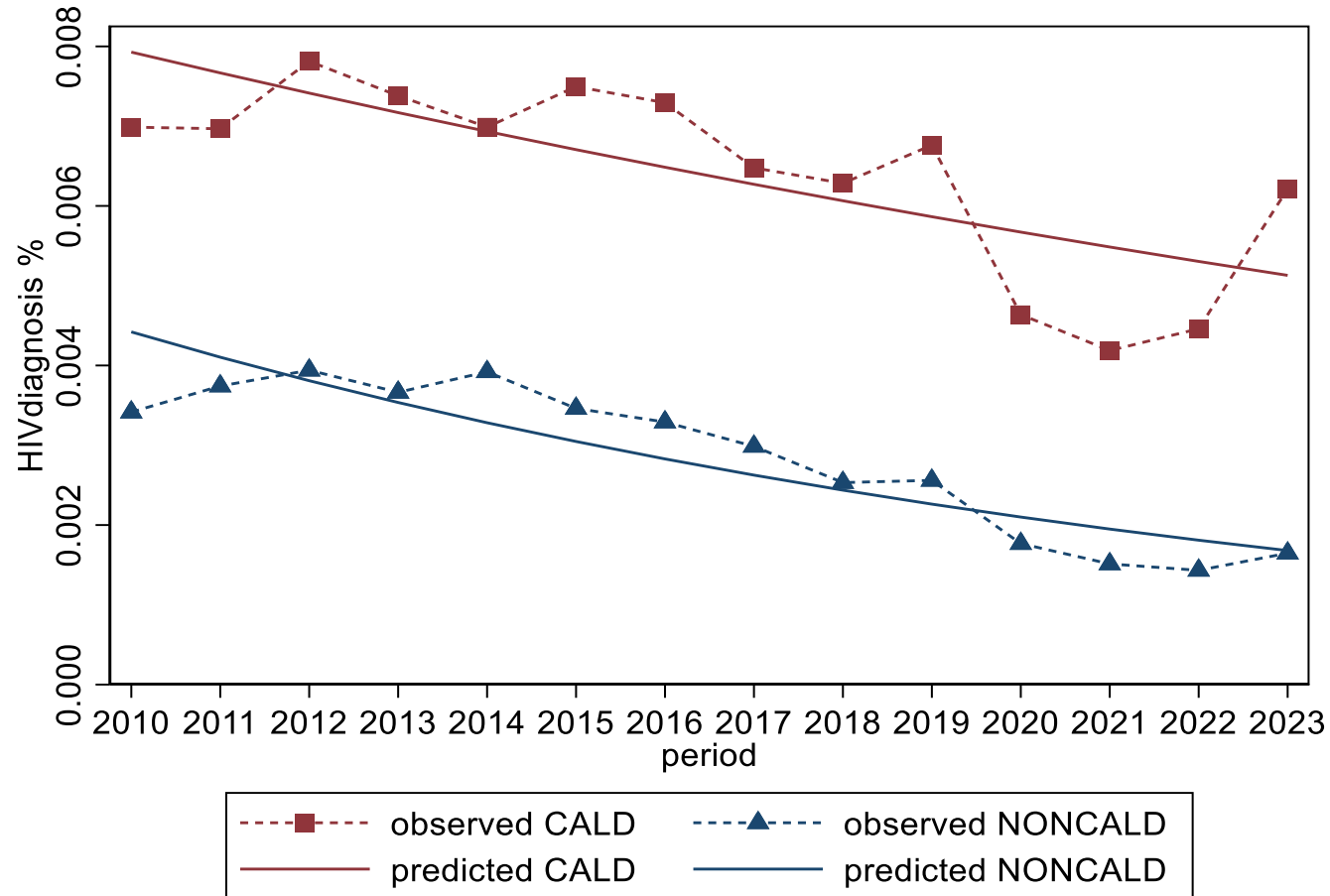
0-14 15-19 20-29 30-39 40-49 50+

Non- Culturally and linguistically diverse



0-14 15-19 20-29 30-39 40-49 50+

RR and SRR trend analysis, overall



Trend analysis

3%, 95% CI: 0.923-0.934



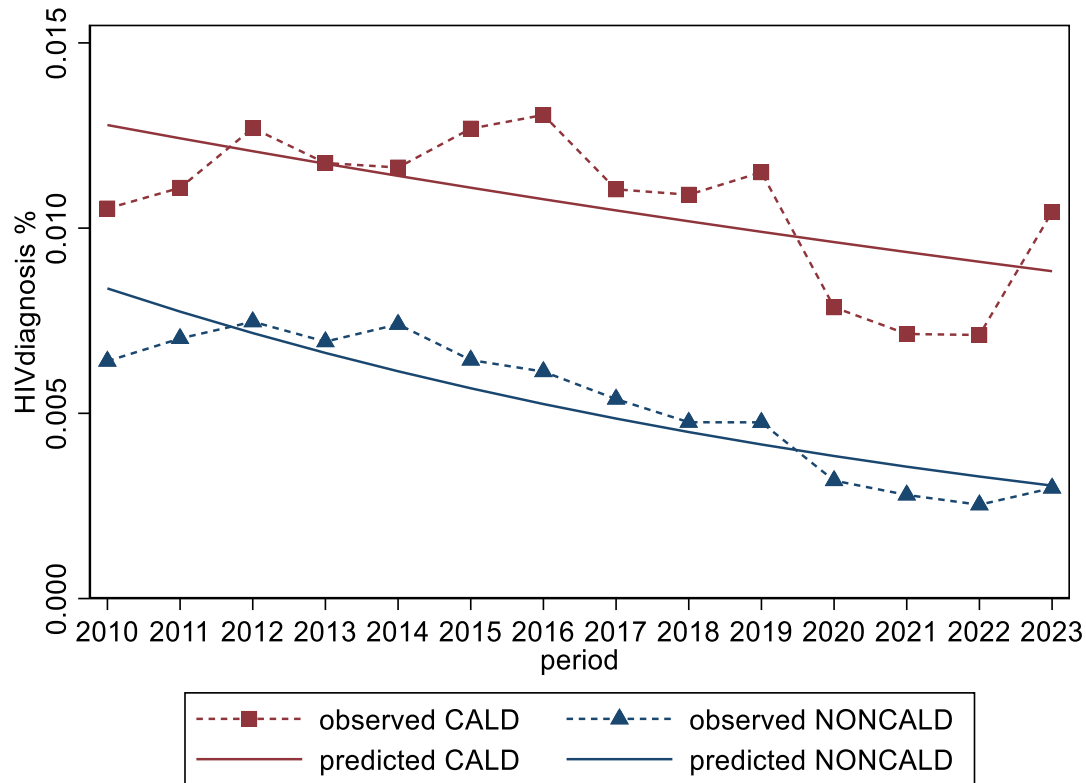
7%, 95% CI: 0.960-0.970



SRR 4%, 95% CI: 1.032-1.052, $p=0.000$

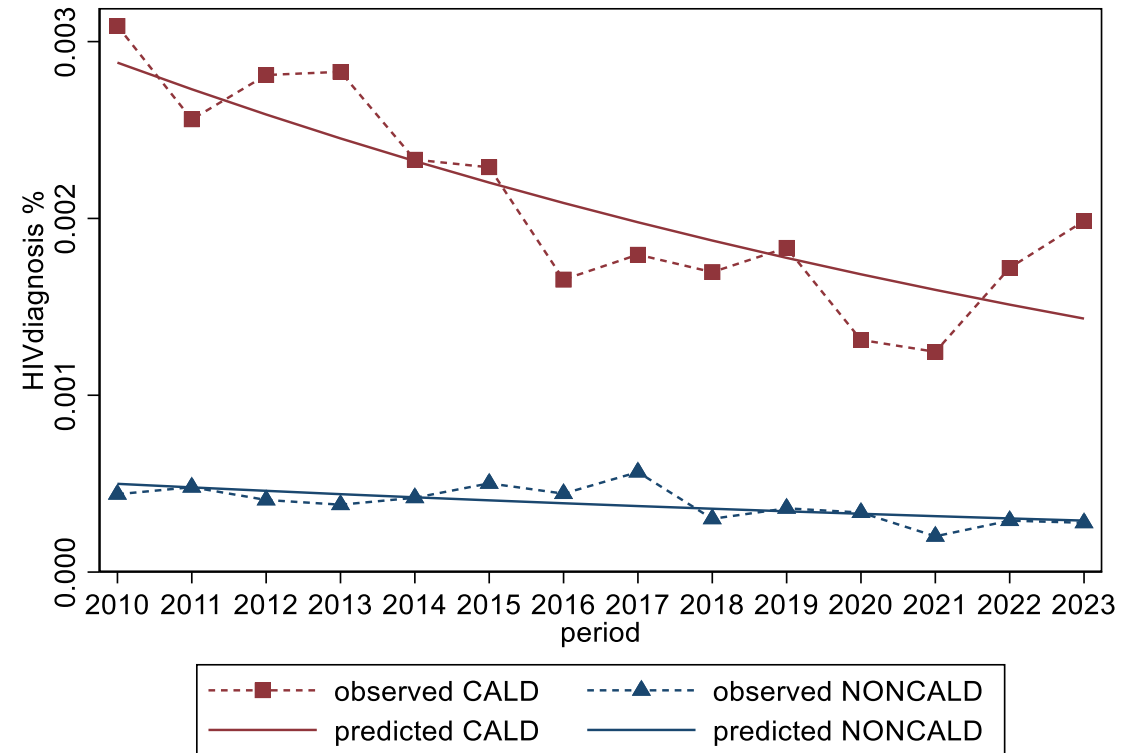
RR and SRR trend analysis, be gender

Males



SRR 5%, 95% CI: 1.040-1.061, $p=0.000$

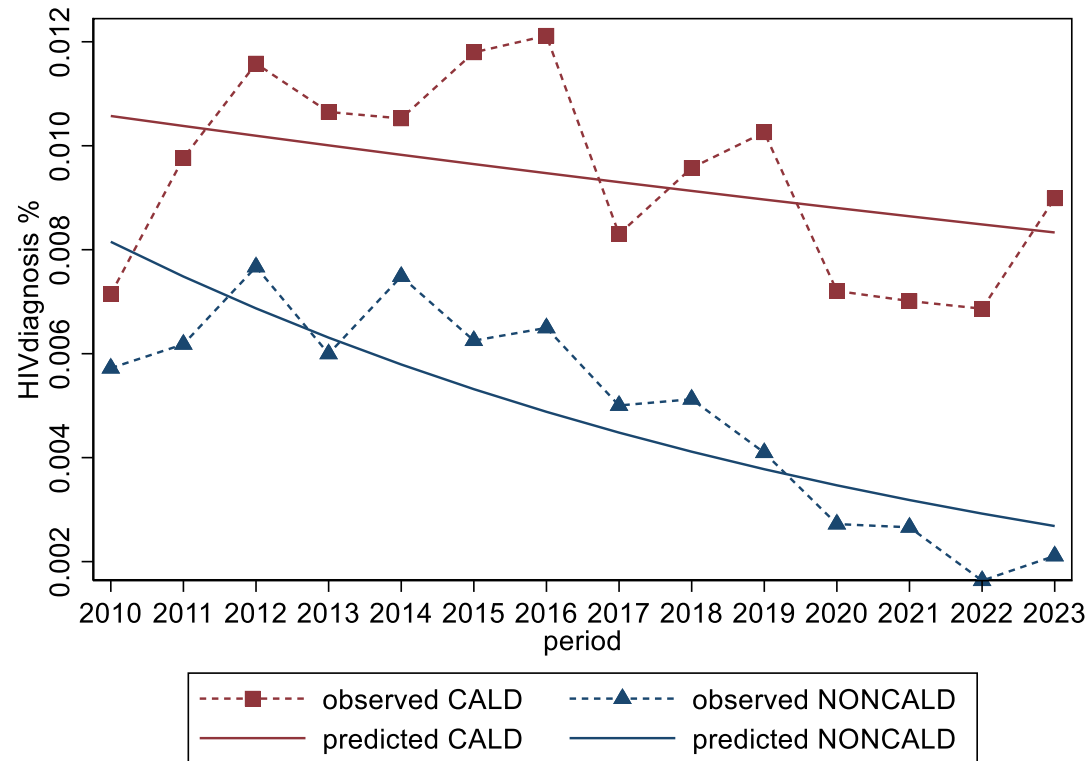
Females



SRR 2%, 95% CI: 0.961-1.061, $p=3.891$ ✕

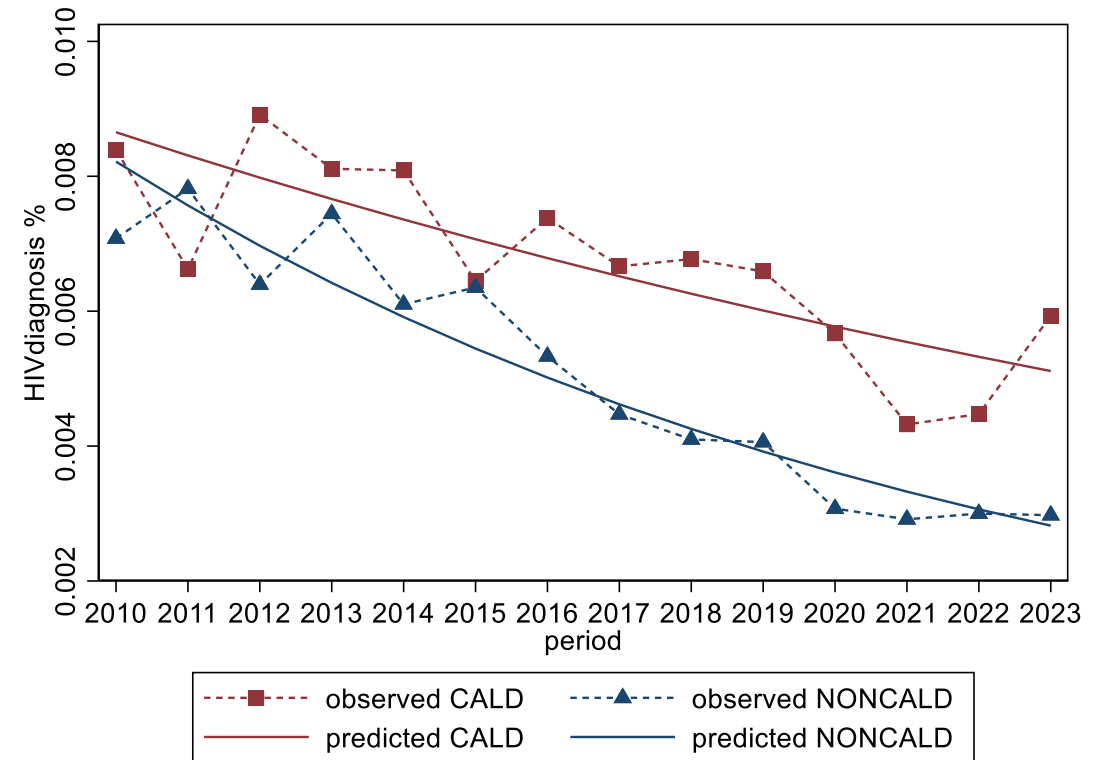
RR and SRR trend analysis, by age groups

20-29 years old



SRR 7%, 95% CI: 1.051-1.088, p=0.000

40-49 years old



SRR 4%, 95% CI: 1.020-1.066, p=0.0002

Limitations

- Not appropriate indicators for culturally and linguistically diverse population
- Underrepresented due to gaps in definition due to limited variables
- Appropriate term/s to address the population

Implications

- First step towards national HIV notifications analysis by population stratification
- Understanding the rates trends in culturally and linguistically diverse
- How different is it to the non-culturally and linguistically diverse

Acknowledgment

- State and Territory Health departments
- National BBV and STI Surveillance Sub Committee (NBBVSTI SSC)

members

- Health Equity Matters CALD affiliate group members
- People living with HIV

Thank you!

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