



New South Wales HIV Diagnosis and Care Cascade 2016: Meeting the UNAIDS 90-90-90 Targets

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NSW Cascade 2016: Meeting the UNAIDS 90-90-90 Targets



90-90-90

An ambitious treatment target
to help end the AIDS epidemic



By 2020

- **90% of PLHIV diagnosed**
- **90% of PLDHIV on ART**
- **90% of PLDHIV on ART with viral suppression**
- **73% of PLHIV with viral suppression**



SHORT COMMUNICATION

Sweden, the first country to achieve the Joint United Nations Programme on HIV/AIDS (UNAIDS)/World Health Organization (WHO) 90-90-90 continuum of HIV care targets

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78.5% of PLHIV virally suppressed

ENDING AIDS

PROGRESS TOWARDS THE 90-90-90 TARGETS

Met 90-90-90:

- Denmark and Sweden

Countries above 73% of PLHIV with viral suppression:

- Botswana, Cambodia, Denmark, Iceland, Singapore, UK

Cities that have met 90-90-90 or are close:

- Amsterdam, Melbourne, New York City, Paris

RESEARCH ARTICLE

Status and methodology of publicly available national HIV care continua and 90-90-90 targets: A systematic review

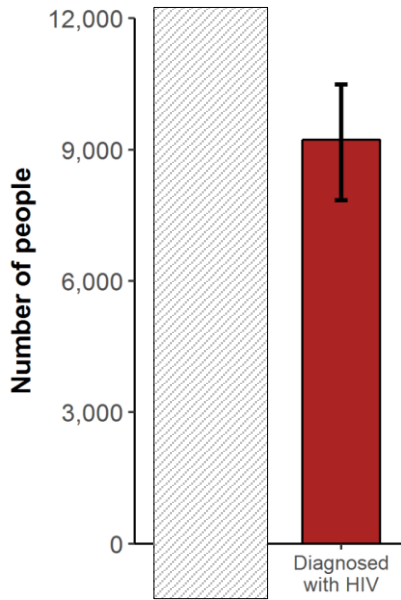
Reuben Granich^{1*}, Somya Gupta¹, Irene Hall², John Aberle-Grasse², Shannon Hader², Jonathan Mermin²

Developed criteria to grade cascades as High, Medium or Low quality

High quality:

- National estimates of PLHIV from nationally representative surveys/surveillance
- A cohort or national program service database of everyone diagnosed with HIV
- A national cohort or program service database for those on ART
- Individual viral load data for everyone on ART or representative cohort/surveys

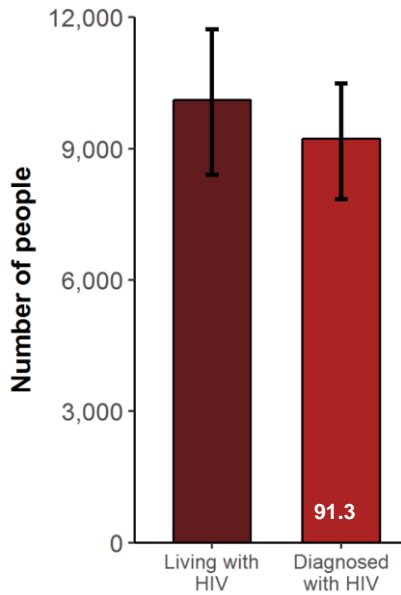
2016 NSW Cascade



Diagnosed: 9,230

NSW Health enhanced surveillance

- 6-month follow-up of newly diagnosed PLHIV from 2013
- High short-term emigration rate (9.7%) among overseas-born PLHIV following diagnosis
- Used to refine the estimated emigration rate

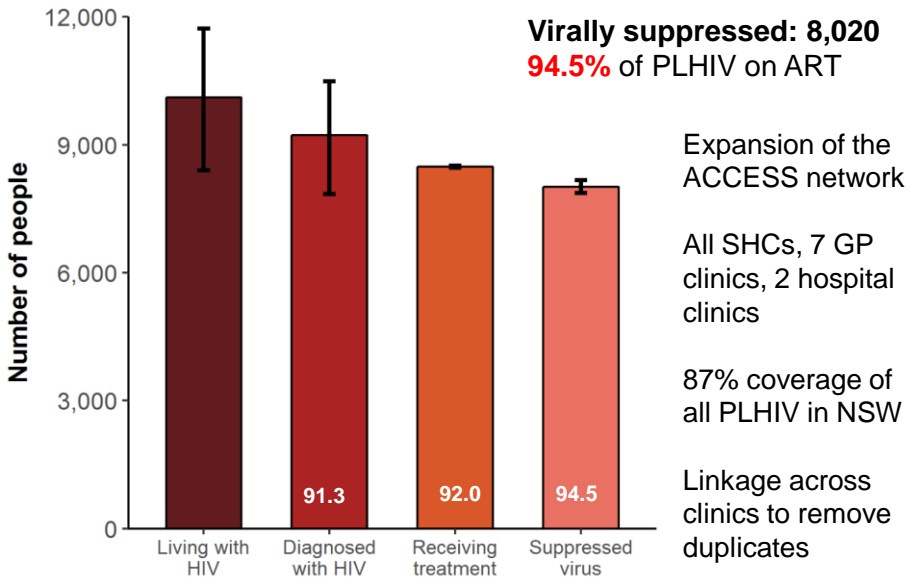
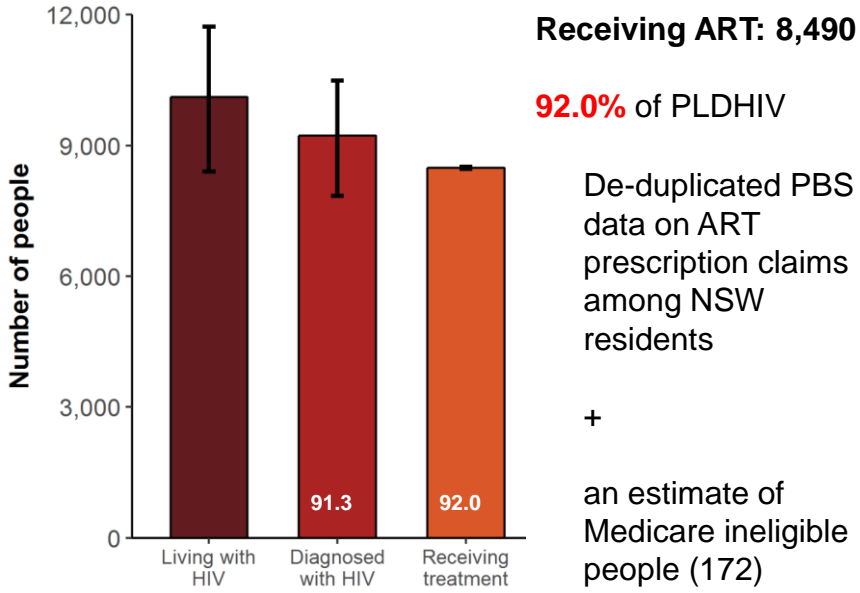


Diagnosed **91.3%** of all PLHIV

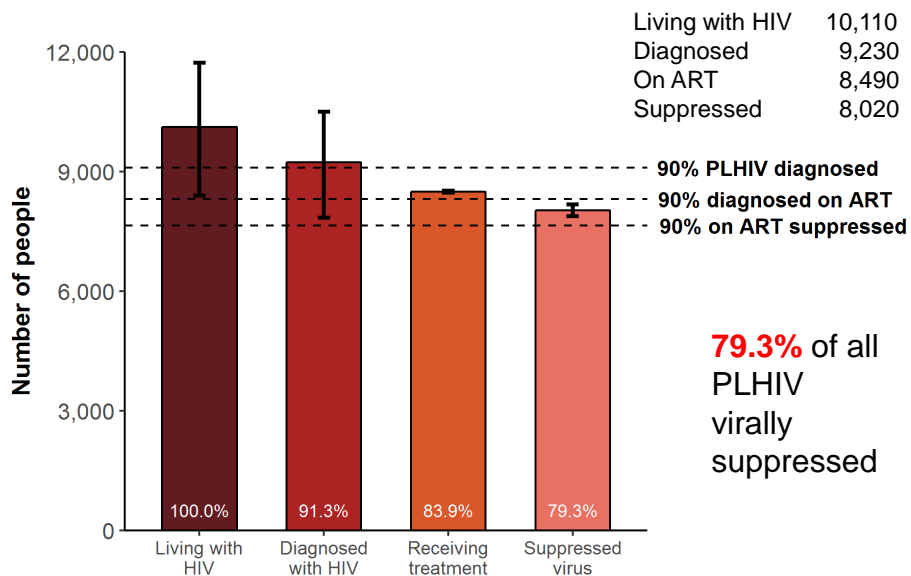
Living with HIV: 10,110

Number of people undiagnosed calculated

Back-projection method based on CD4 at diagnosis



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Conclusions

NSW met the 90-90-90 targets in 2016

Enhanced data collection introduced in NSW improved the quality of methods and data sources

NSW cascade methods and data likely 'high quality' according to Granich criteria

Enhanced data collection introduced in NSW could feasibly be introduced in other Australian jurisdictions

- 95% of PLDHIV on ART
- 90% of PLDHIV on ART within 6 weeks of diagnosis and to reduce this interval over the life of the Strategy



NSW HIV Prevention Partnership Project



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