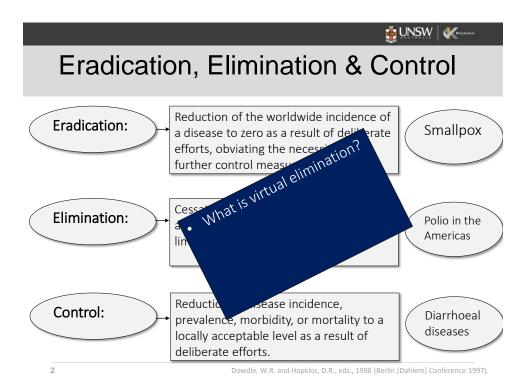


Tracking Progress Towards virtual HIV elimination

A/Professor Rebecca Guy, Kirby Institute





WHO Elimination targets for HIV

"90-90-90" by 2020:

- 90% of all people living with HIV will know their HIV status.
- 90% of all people with diagnosed HIV infection will receive sustained antiretroviral therapy.
- 90% of all people receiving antiretroviral therapy will have viral suppression

Eliminate mother to child transmission by 2020:

- Prevention target: Zero new HIV infections among infants
- Impact criteria for validation: ≤50 new paediatric infections per 100,000 live births

3

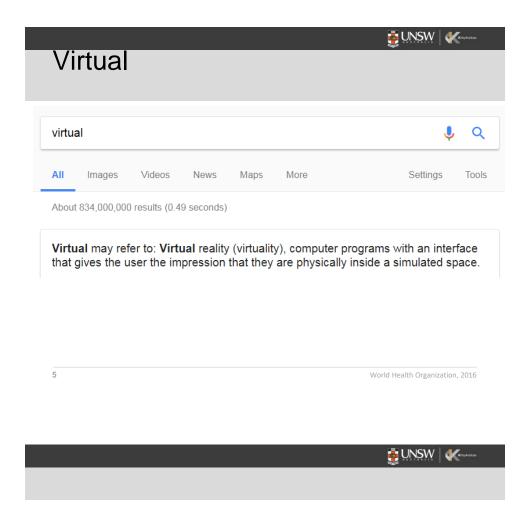
World Health Organization, 2016



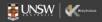
- Reduce sexual transmission of HIV by 50 per cent by 2015
- Sustain the **low general population rates** of HIV in Aboriginal and Torres Strait Islander people and communities
- Sustain the virtual elimination of HIV amongst sex workers
- Sustain the virtual elimination of HIV amongst people who inject drugs
- Sustain the virtual elimination of mother-to-child HIV transmission
- Increase treatment uptake by people with HIV to 90 per cent
- Maintain effective prevention programs targeting sex workers and for people who inject drugs.

4

Commonwealth of Australia, 2014

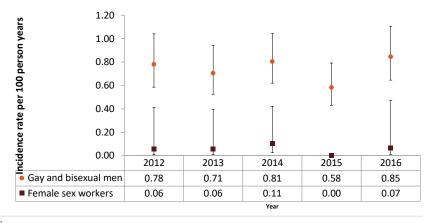


Systems to track progress towards elimination



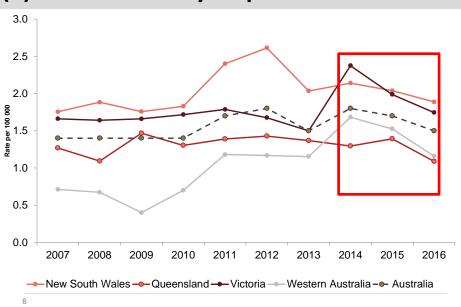
Define what elimination means

- 80% reduction in new diagnoses in 5 years? OR
- Incidence below a very low threshold



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(1) Focus on newly acquired infections





(2) Measure preventable infections

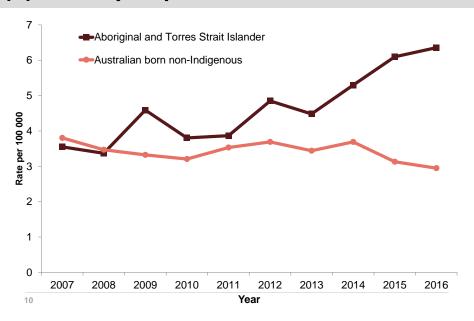
02012-2016

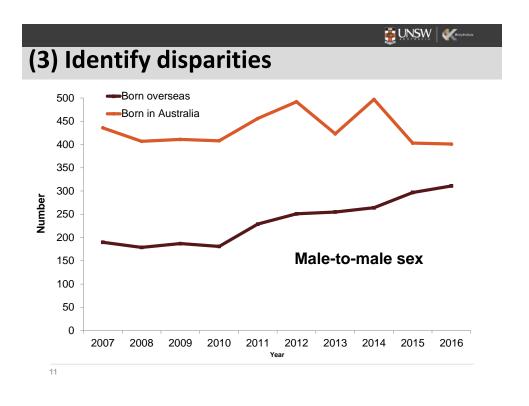
- o 1363 late diagnoses CD4 count <350 cells/ul
 - People born in Southeast Asia and sub-Saharan Africa
 - 63% arrived in Australia <5 years of diagnosis (2016 data)
 - Probably acquired HIV before arriving in Australia
 - o Early testing and treatment important
 - Not preventable by Australia HIV prevention programs

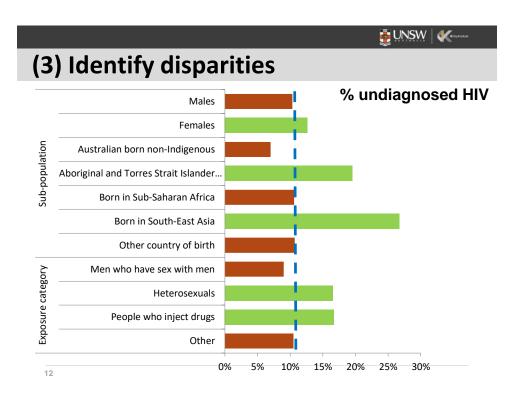
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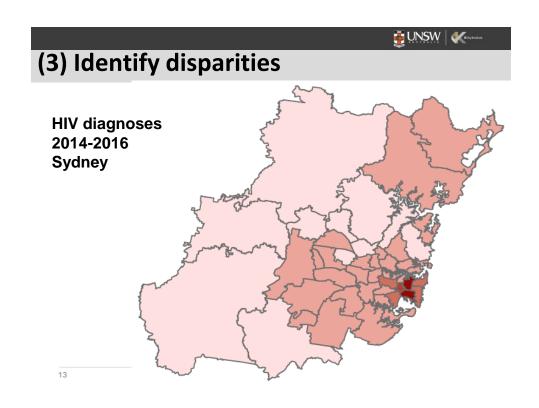
(3) Identify disparities

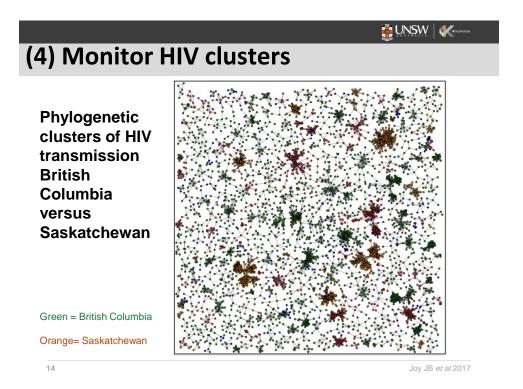


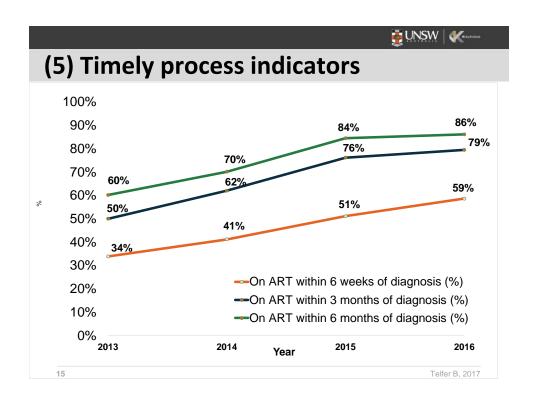


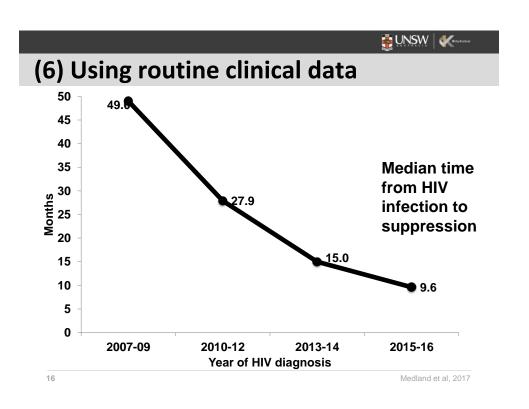














(7) Barriers to accessing services

- Social determinants, culture stigma and discrimination, mental health, many others
- As prevention scales up, barriers exacerbate
- Repeated surveys and interviews for specific population groups



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Summary



1. Define elimination

2. Monitor

- 1. Newly acquired infections
- 2. Preventable infections
- Disparities sub groups, geography
- 4. Clusters
- 5. Process indicators
- 6. Use routine clinical data
- 7. Barriers





Acknowledgements

- Kirby Institute
 - o Dr Laila Khawar
 - Dr Muhammad Jamil

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