Australian Vaccinology Course

Day 2 summary

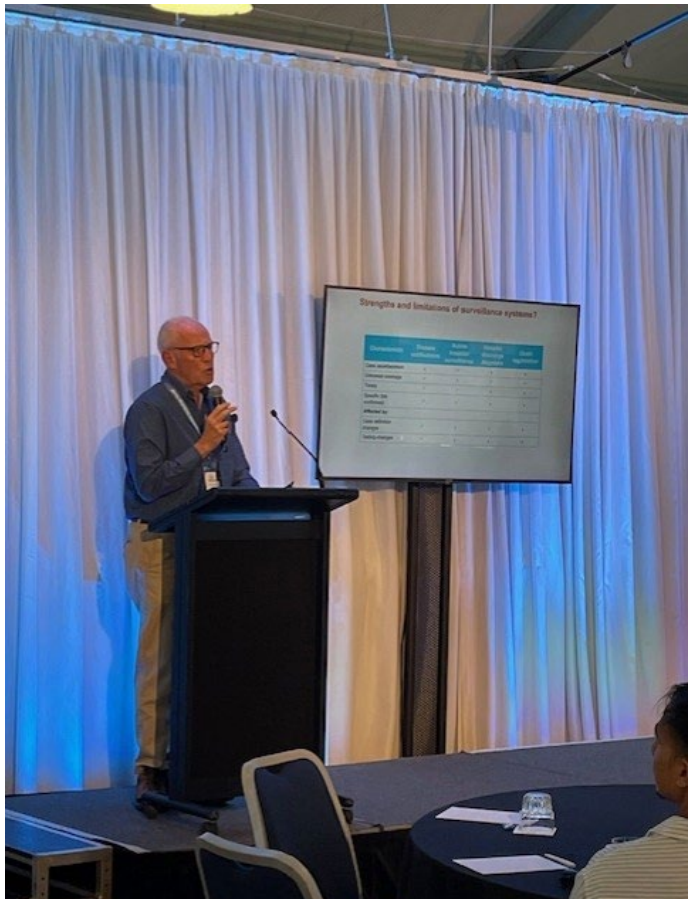
20th October 2026

Peter McIntyre, Meru Sheel, Michelle Giles, Chris Morgan



NCIRS National Centre for Immunisation Research and Surveillance Australia

VPD surveillance and measuring impact – Peter McIntyre and Meru Sheel



- Tools used to measure burden
  - Testing practices are important
- Enhanced surveillance needed as we move to elimination
- Methods used to measure coverage
- Electronic immunisation registries
- Case studies
  - Rotavirus
  - Diphheria
  - Mumps
  - Measles in Laos

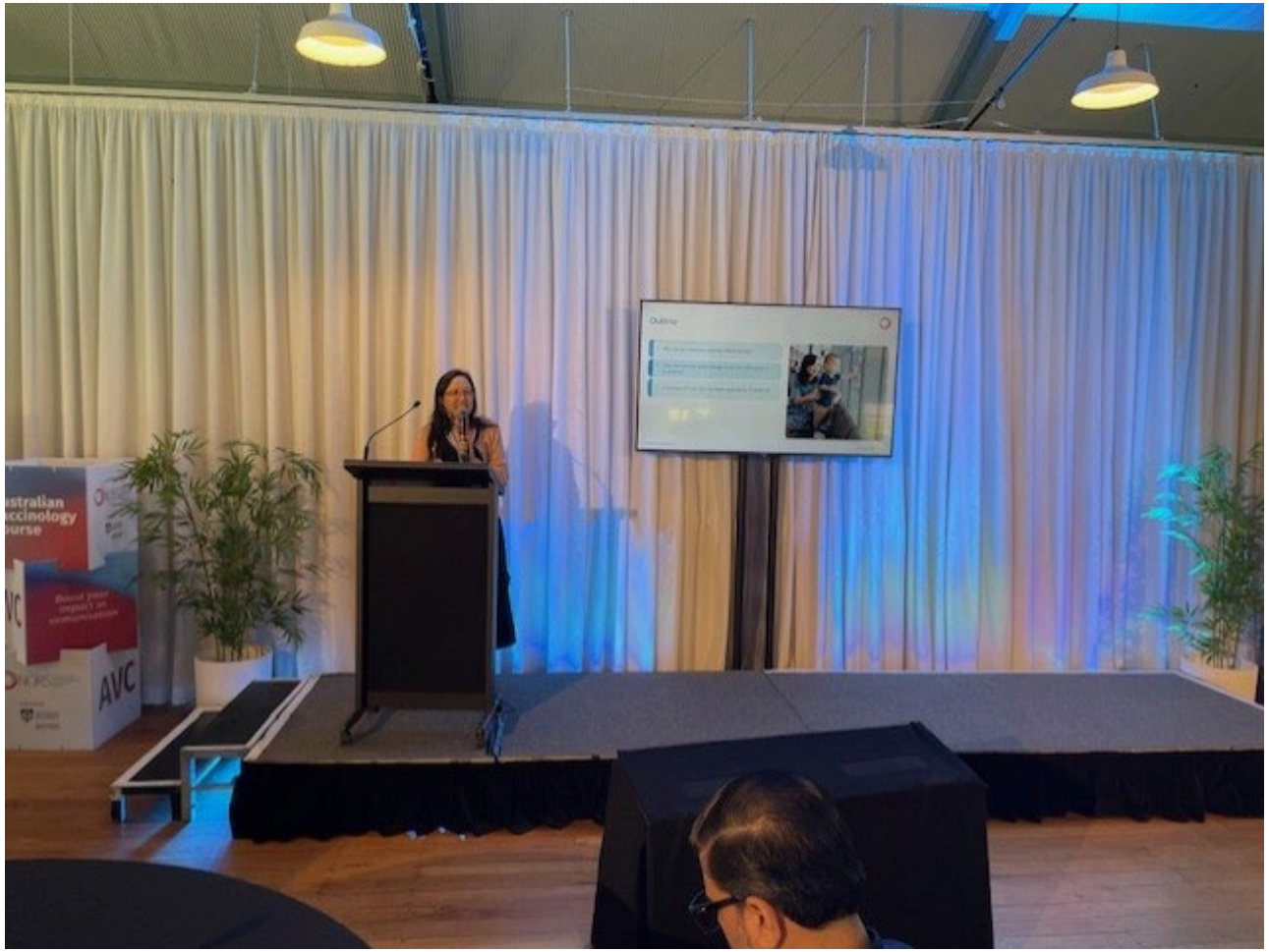


News

How a wedding lost the Americas its measles-free status

BMJ 2025 ; 391 doi: https://doi.org/10.1136/bmj.r2428 (Published 18 November 2025)
Cite this as: *BMJ* 2025;391:r2428

Linked data to measure effectiveness and impact – Bette Liu



- Sources of data and process to link
- Ethics approvals
- Example of COVID-19 vaccine



Pregnancy vaccines – Michelle Giles = “two for one deal”



- Importance and brilliance of maternal immunisation as a strategy
  - Have over 2 decades of experience
- Tetanus
- Pertussis
- Flu
- COVID-19
- RSV

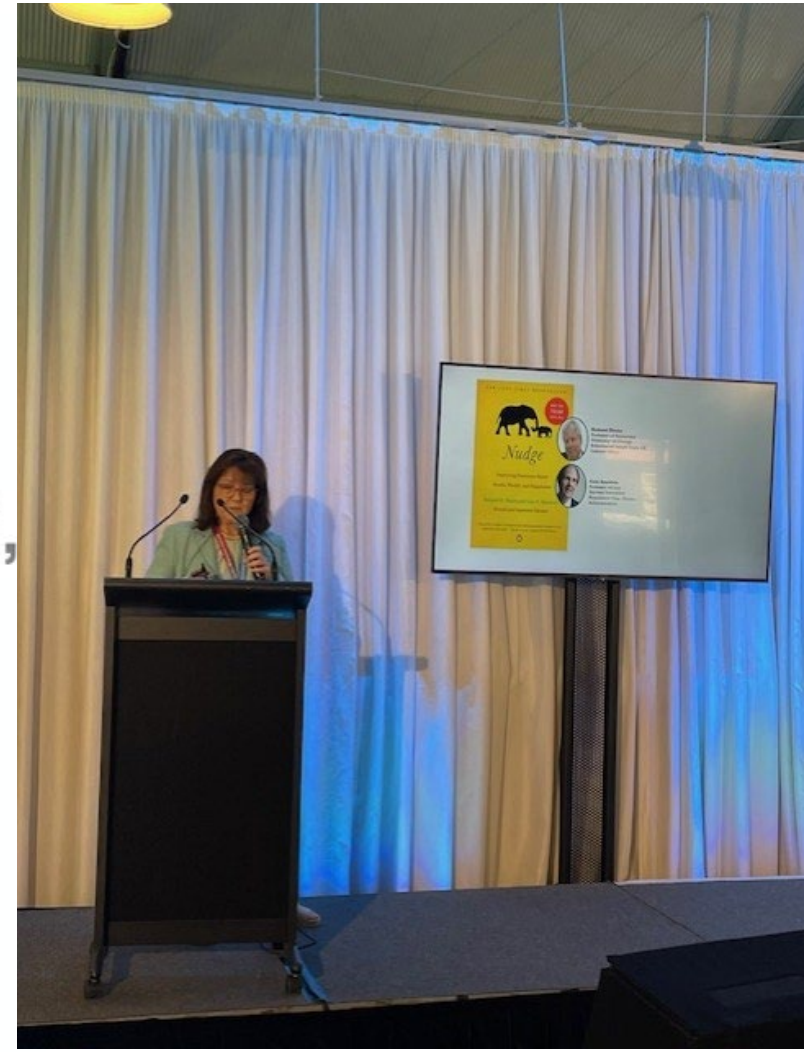
- Access Access, Access
- Recommendation from HCP – safety and benefits
- Thoughts are with Helen Haines and wishing her a speedy recovery

“”placenta is kinda amazing”

Adolescent vaccine – Julia Brotherton and Helen Marshall



Schiphol Airport, Amsterdam
80% decline in 'spillage'



Men are simple creatures

Older adult vaccination – Katie Flanagan



- Concept of Inflammaging and Gut microbiome
- Increased susceptibility
- Why older adults need extra vaccines
- Why they miss out – the barriers
- Hospital based vaccination – important opportunity
- Consent – when is it valid?
- Concomitant vaccination

1 Know what's funded

Flu, COVID-19, RSV (≥75), Shingrix (≥65) and PCV (≥65) are free — and the schedule changed in 2026

2 Use every contact

Admission, clinic, RACF round and discharge are all vaccination opportunities

3 Provide a vaccinator

A person with protected time beats education and reminders alone

4 Get consent right

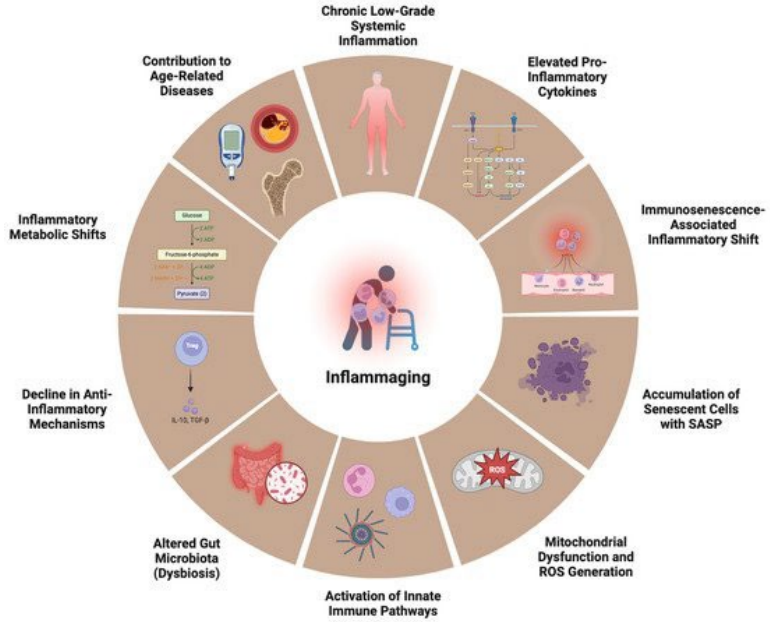
Capacity first; person responsible if needed; document every time; never override an objection

5 Bundle the visit

Inactivated vaccines can be given together — separate sites, plan for reactions

6 Close the loop

Check AIR, record on AIR, inform the GP, and book Shingrix dose 2



Vaccine program introduction in LMIC - Chris Morgan



- WHO, GAVI and Gates
- Results based financing
- The shocks of 2025 – impacting budget
- VPOP – Vaccine Prioritisation and Optimisation
- Global NITAG Network = improvements in resources
- You chose the top 5 vaccines for prioritisation
  - Chris = Second MR, HPV, 2nd and 3rd doses of IPV then epi. Dependent. + Pneumo, maternal RSV
- Who, when, where, what and how of service delivery
- Should you run vaccine clinics alongside other health delivery
- Trust in health supporting systems and Collaboration

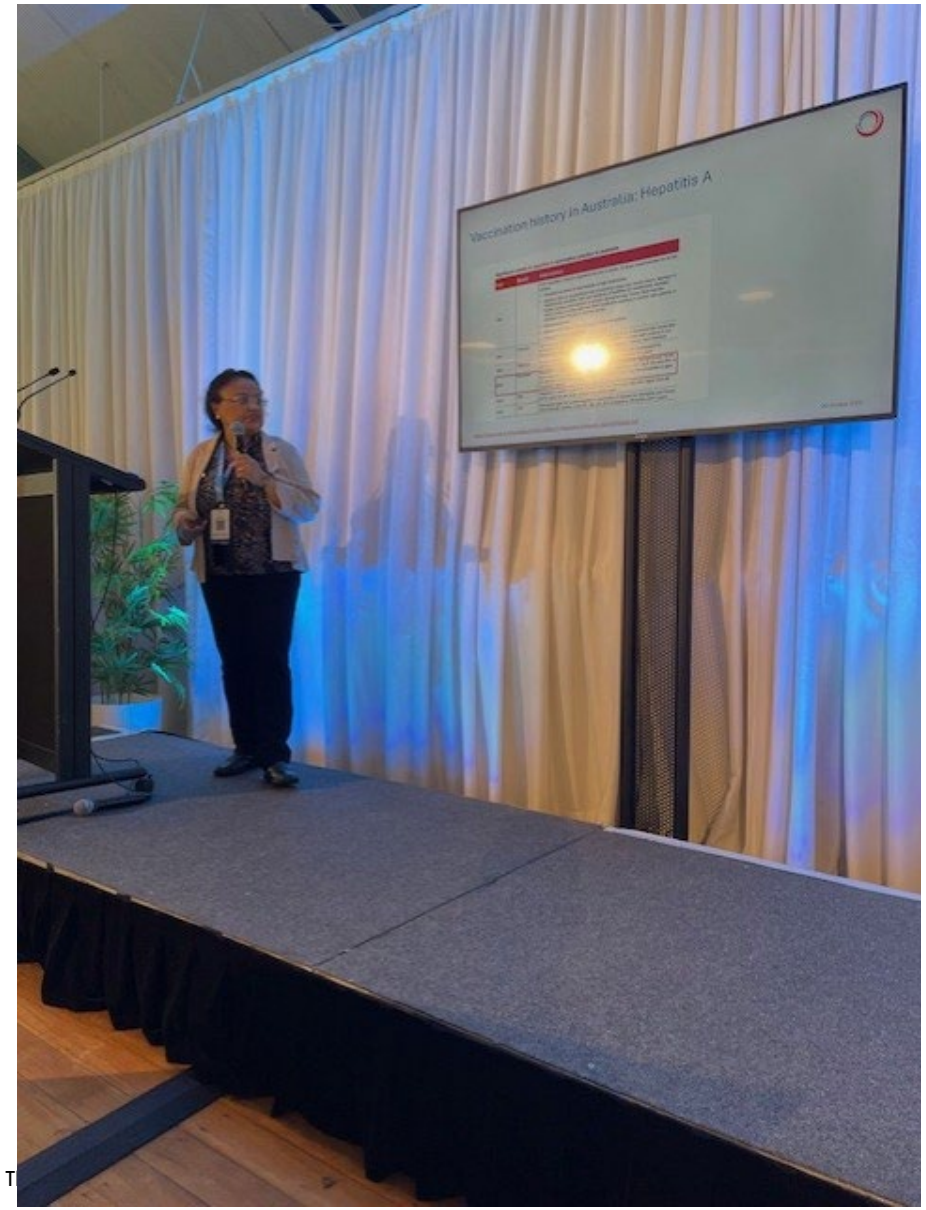
Start writing NY Times articles – you may never who is reading them ready to respond with funds

Considerations for Aboriginal and Torres Strait Islander population – Katrina Clark



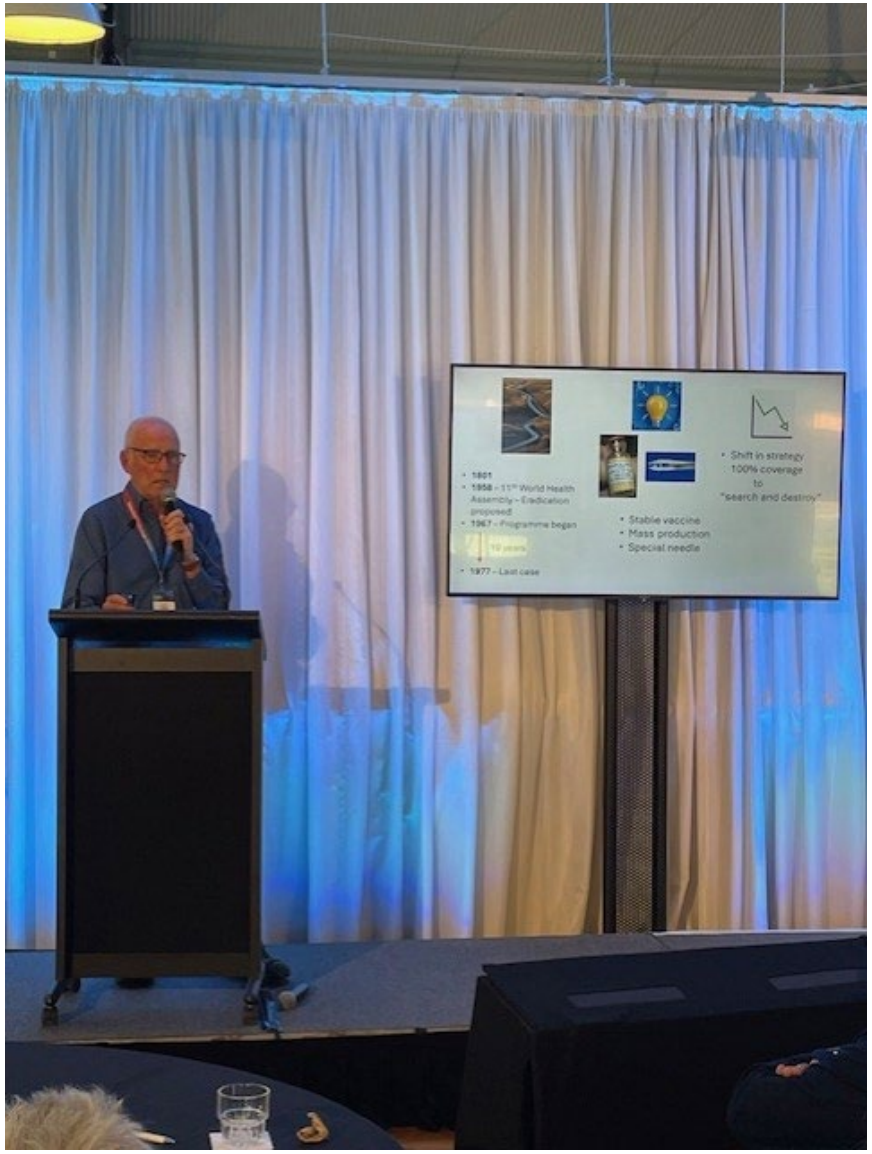
- Tailored Immunisation programs
- Culturally grounded program
  - Example of Aboriginal Immunisation Healthcare Worker program
- Considerations frequently overlooked when introducing new vaccine programs
- Scientifically strong programs that experienced implementation challenges
- Community involvement in vaccine policy decisions
  - Community and service providers

Hepatitis A – case vignette – Adit Dey and Katrina Clark





Disease elimination and eradication – Peter McIntyre



- Smallpox eradication was achieved, but just barely achieved"
- Rinderpest is the only other disease (affects cattle) to have been eradicated
- "you don't ask a cow if it wants to be vaccinated"
  - Comparison of polio vs smallpox
  - Vaccine derived poliovirus cases
  - Will polio ever be eradicated?
  - Is measles eradication acheiveable?

See you tomorrow for Day 3



