

# Process, Content and Lessons Learned from the Global NITAG Network (GNN) Vaccine Economics Training

Associate Professor Natalie Carvalho  
University of Melbourne



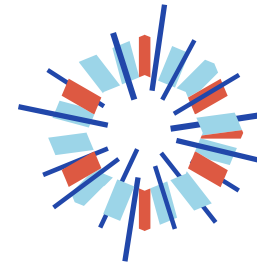
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# Acknowledgements

- WHO & GNN
- University of Melbourne
- Expert advisory group members
  - Health Economists
  - NITAG representatives
- Existing trainings (ex: TVEE)
- Pilot testing audience, including NITAG members and secretariats
- Lanxuan Zhao (MPH PPU student, slides)



World Health  
Organization



Gnn

GLOBAL - NITAG - NETWORK

# GNN overview and existing trainings



- Platform open to all NITAGs
- Promote shared learning, regional collaboration, and improved evidence-informed decision-making
- Guided by representatives from WHO's six regions

## Building and strengthening technical competencies

### Vaccine economics for NITAGs

- ✓ 4 Resources
- ✓ face-to-face
- ✓ English
- ✓ All NITAG members

OPEN THIS MODULE

### Prioritizing new vaccines introduction

- ✓ 13 Resources
- ✓ face-to-face
- ✓ English
- ✓ All NITAG members

OPEN THIS MODULE

### Facilitator's Toolkit for Evidence-to-Recommendation Training

- ✓ 2 Resources
- ✓ e-module
- ✓ English, French
- ✓ Trainers

OPEN THIS MODULE

### The Evidence to Recommendation (EtR) Process - introduction

- ✓ 1 Resource
- ✓ e-module / 2 hours
- ✓ English, French, Portuguese, Spanish
- ✓ All NITAG members

### how to use existing systematic reviews

- ✓ 1 Resource
- ✓ Robert Koch Institut
- ✓ e-module / 2 hours
- ✓ All NITAG members

# Purpose of GNN Vaccine Economics Trainings

- Aim: To develop two vaccine economic training modules (Beginner & Advanced)
- Target audience: New and existing NITAG members and secretariats
- Mode & duration: Face-to-face delivery (~3 hrs each) with short lectures, interactive sessions and case studies
- Learning objectives: Specific to each module

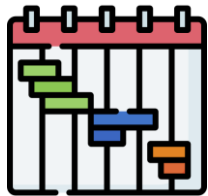
Overall, the trainings aim to introduce NITAGs to vaccine economics and to demonstrate how NITAGs can consider and support the use of economic evidence in the development of immunisation recommendations.

# Overview of process



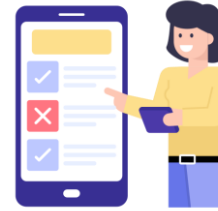
## Module Refinement

- Incorporated expert feedback (WHO, GNN, NITAG members)
- To ensure the modules are technically sound and user-friendly



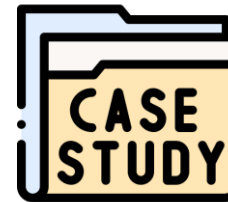
## Pilot Testing

- Conducted pilot testing among NITAG members
- To obtain feedback from relevant audience to refine modules



## Pre-and post-module Surveys (Qualtrics)

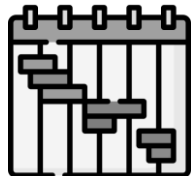
- Applied logic functions and scoring
- To easily evaluate learning outcome and improve training effectiveness



## Case Study Compilation

- Scanned for real-world cases of NITAG vaccine recommendations and developed Q&A sets
- To illustrate practical real-world application of economic evidence

# Module Development



The screenshot shows the Gnn (Global - NITAG - Network) website. The navigation menu includes Home, Resources, Diseases, Training, and SYSVAC. The breadcrumb trail is Home / Training / Vaccine economics for NITAGs. The main content area has a blue header with the word 'Training' in orange and the title 'Vaccine economics for NITAGs' in white. Below this is an 'Overview' section with a list of five bullet points.

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Home Resources Diseases Training SYSVAC

Home / Training / Vaccine economics for NITAGs

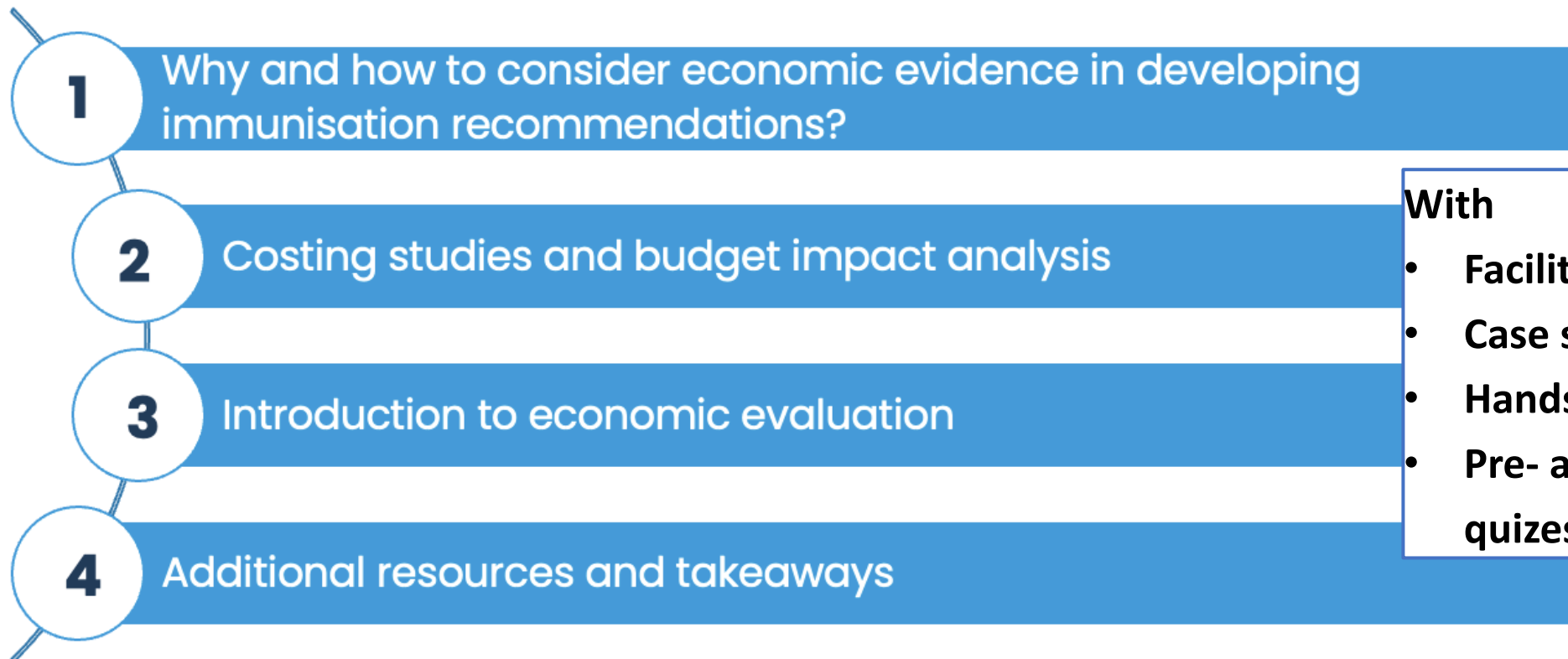
**Training**

## Vaccine economics for NITAGs

### Overview

- Explain why economic evidence can be useful in developing immunization recommendations
- Recognize which elements of the Evidence to Recommendation (ETR) framework link to economic evidence
- Identify economic question(s) that may be of relevance to the NITAG
- Link different types of economic assessments to specific economic questions relevant to NITAGs
- Interpret the results of a cost-effectiveness analysis for decision-making

# Content

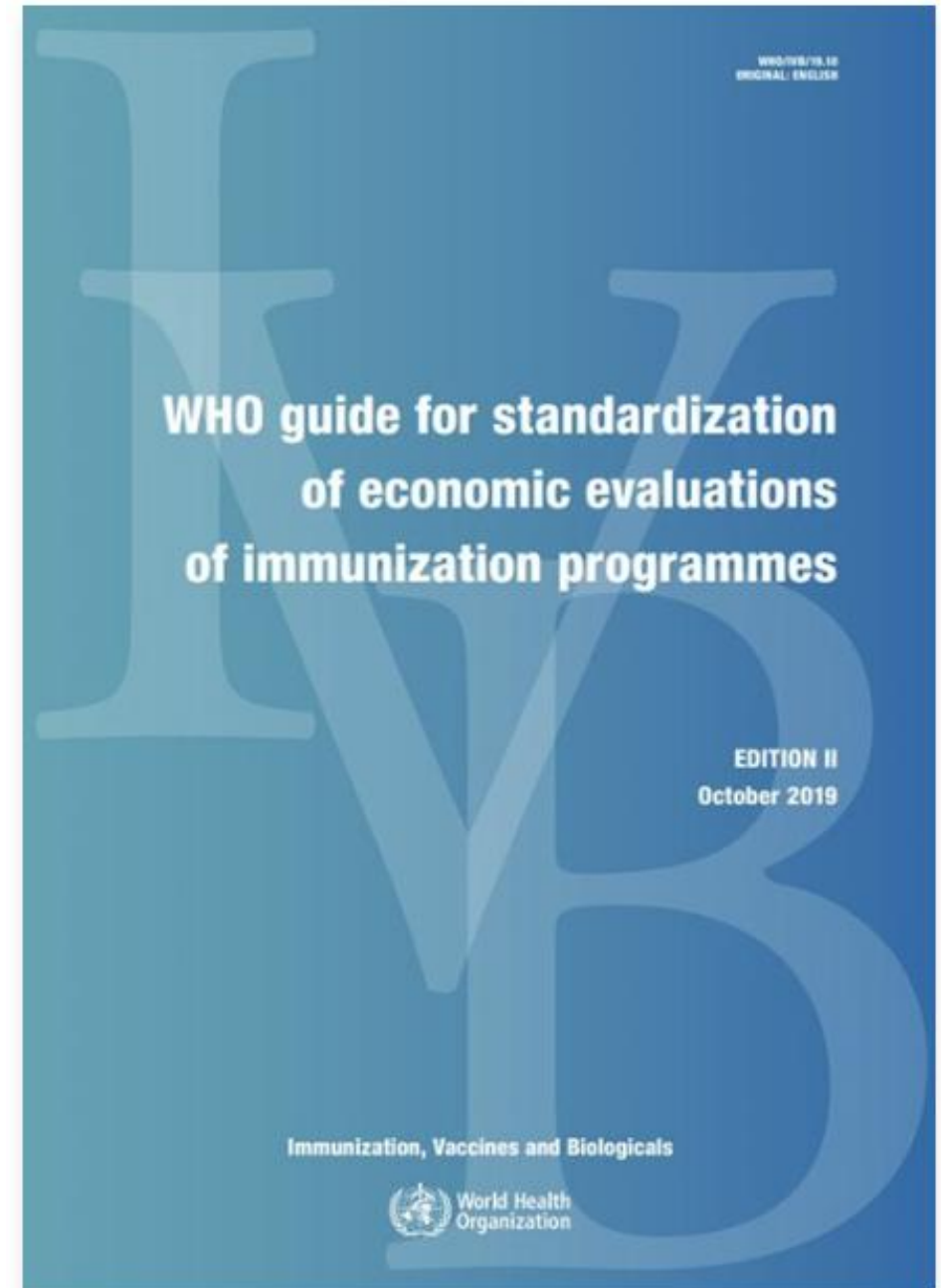


## With

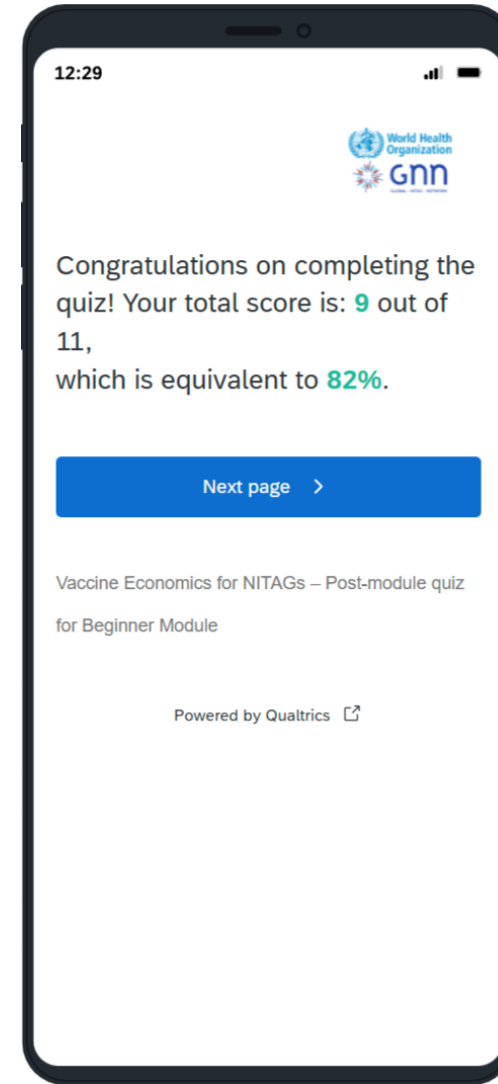
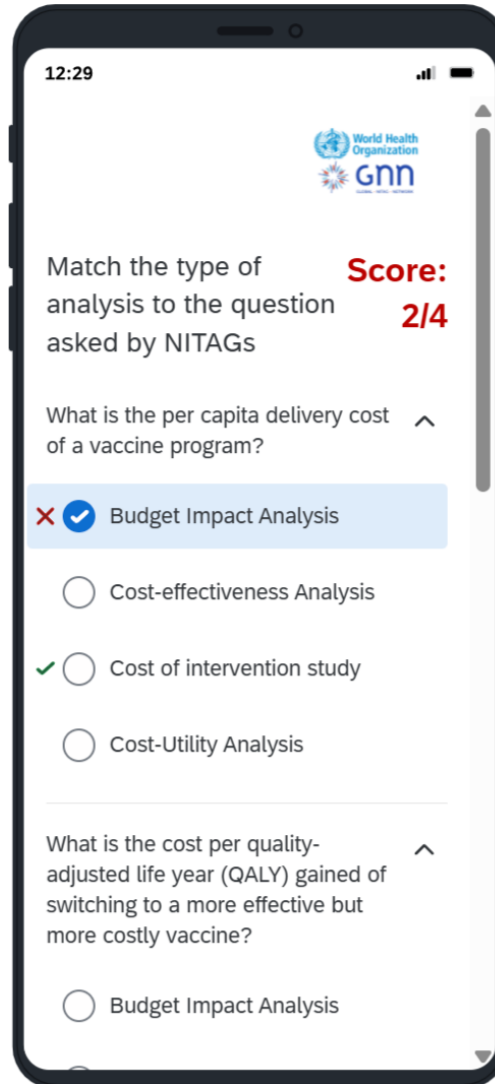
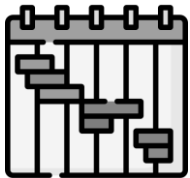
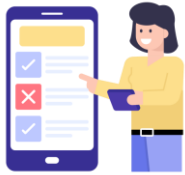
- **Facilitated discussions**
- **Case studies**
- **Hands on exercises**
- **Pre- and post-module quizzes**

# Role of the WHO

- Alignment to WHO guidance documents: [“WHO Guide on Standardization of economic evaluations of immunization programmes”](#) (2019)
- Provides clear and concise guidance emphasizing what to do, rather than how to do it
- WHO normative role in supporting countries in capacity building on economic evaluations for country-owned decision making



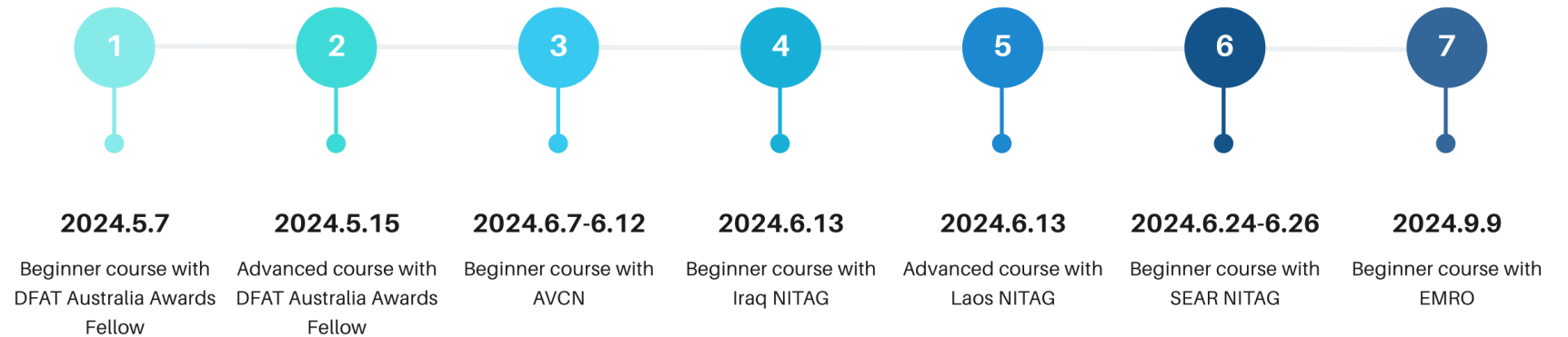
# Pre- and Post-Module Quizzes



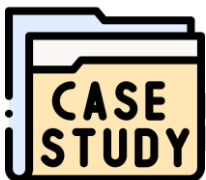
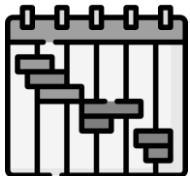
# Piloting



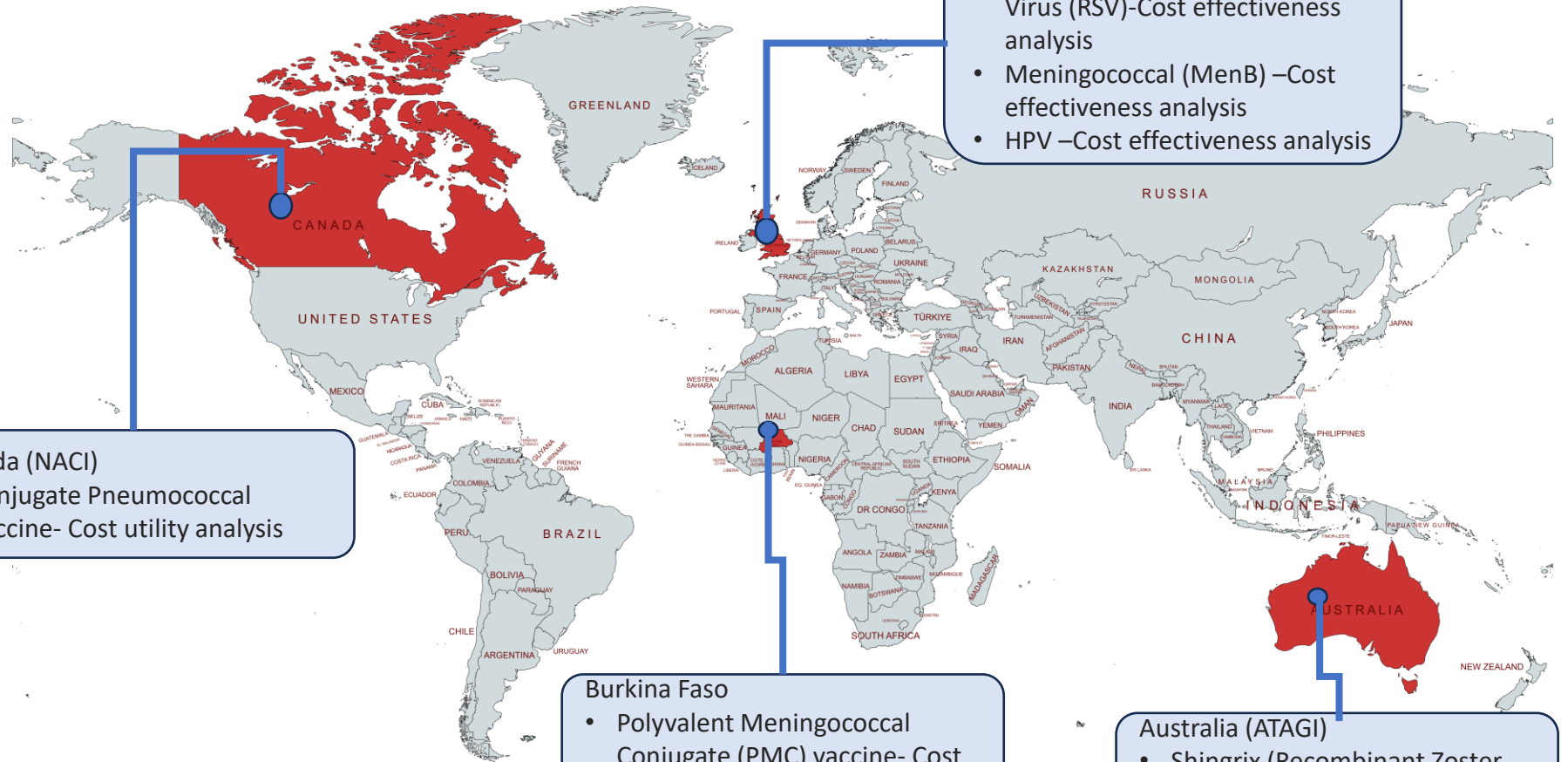
## Piloting course schedule



# Case Studies



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# Lessons learned: Context

- **NITAGs are set up differently** across countries:
  - Some NITAGs have a working group that conducts economic studies;
  - Some NITAGs commission economic studies and have experts who can critique these studies;
  - Some NITAGs lack this expertise and rely on a separate Health Technology Assessment (HTA) process or other decision-making process

Ex: Canada (NACI) developed guidelines in 2023<sup>1</sup> because CDA (formally CADTH) guidelines are not vaccine specific. Previously not taken into account.

- **Need for contextualisation** of module examples, case studies, exercises for NITAGs in different regions/income levels

1. <https://www.canada.ca/content/dam/phac-aspc/documents/services/immunization/national-advisory-committee-on-immunization-naci/methods-process/incorporating-economic-evidence-federal-vaccine-recommendations/guidelines-evaluation-vaccination-programs-canada.pdf>

# Lessons learned: Collaboration

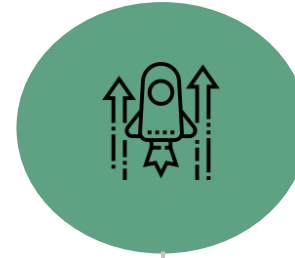
- Need for **experienced trainers** across different countries/regions who have knowledge of countries' NITAGs & processes
- Need for **central repository of relevant case studies** to provide real world examples that have influenced policy.
- Need for **sharing of resources, guidelines, processes, training materials** & more understanding of **training needs**

# Next steps



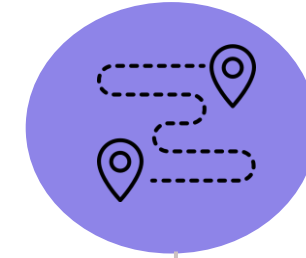
## Beginner Module

- Finalised and on website\*



## Advanced Module

- Further refinement
- Future piloting
- Expanded case studies library



## Future trainings

- Groundwork for online learning journey (SAGE, 2025)

# Thank you

[natalie.carvalho@unimelb.edu.au](mailto:natalie.carvalho@unimelb.edu.au)



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