



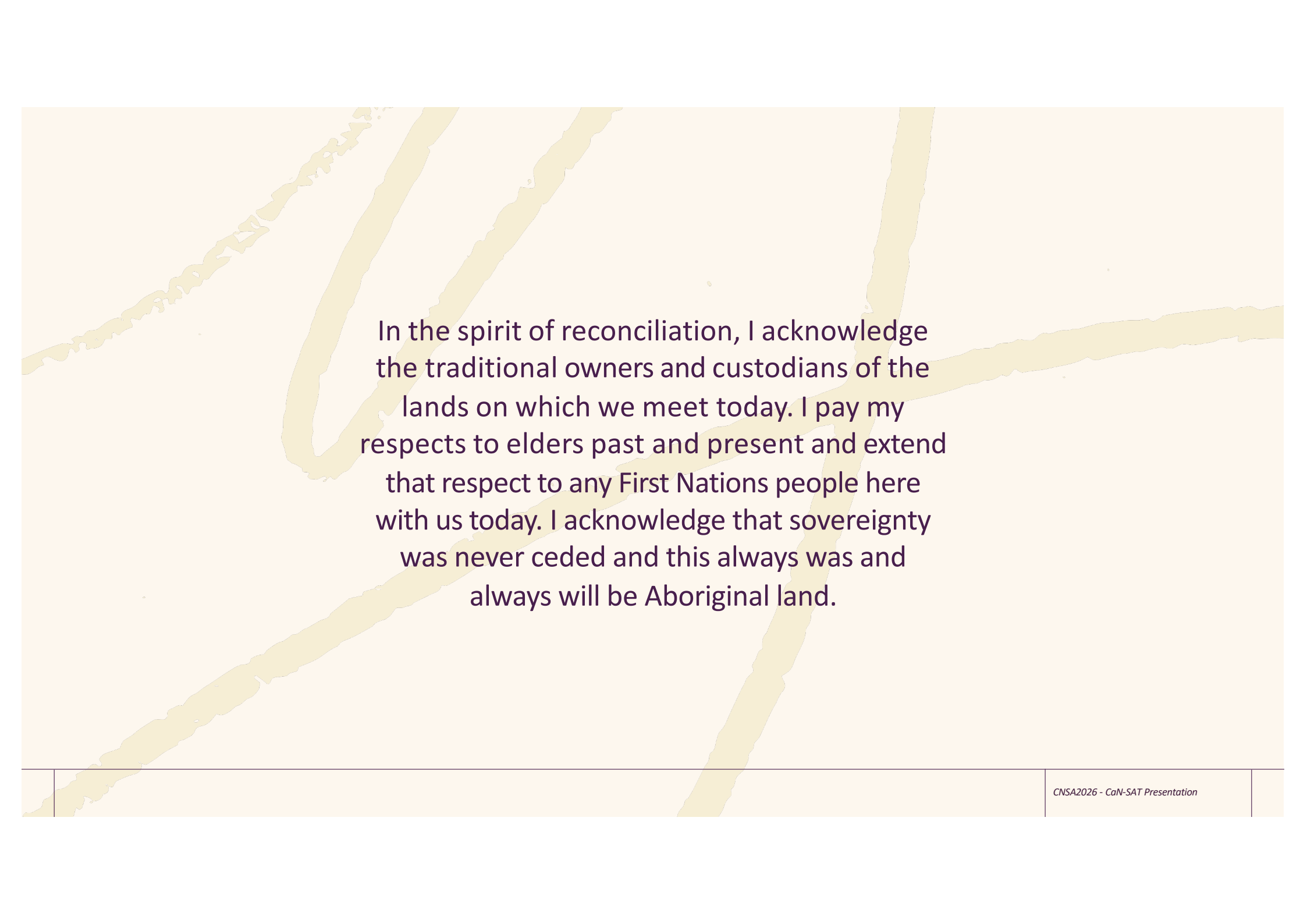
MONASH
University



Nurse and consumer-led development and psychometric testing of supplementary elements of practice for the Cancer Nurse Self-Assessment Tool (CaN-SAT)

Presented by Associate Professor Olivia Cook

Associate Professor of Cancer Nursing – Monash University and Bayside Health



In the spirit of reconciliation, I acknowledge
the traditional owners and custodians of the
lands on which we meet today. I pay my
respects to elders past and present and extend
that respect to any First Nations people here
with us today. I acknowledge that sovereignty
was never ceded and this always was and
always will be Aboriginal land.

PROJECT TEAM

Researchers

A/Professor Olivia Cook
Dr Thi Thuy Ha Dinh
Dr Fiona Crawford-Williams
Dr Vanessa Brunelli
Gillian Kruss
Professor Gemma McErlean
Dr Carla Thamm

Expert Nurses

Katie Evans
Natasha Keir
Hayley Beer
Kathryn Antaw
Helen Silva-Vasquez
Renae Grundy
Kirsten Mooney
Ty Simpson
Bianca Cirone

People with lived experience

Victoria Turner
Craig Lawn
Chris Chorsell
Emma Blake
Vanessa Yenson
Graham Lewis
Robin white
Michel Itel
Stacey Allerton
Alison Bolton

Acknowledging our 46 expert nurse reviewers too!



BACKGROUND



MONASH
University

McGrath
Foundation

- The Cancer Nurse Self-Assessment Tool (CaN-SAT) is a valid and reliable tool published in 2025.
- Purpose:
 1. Identify nurses' **individual** learning needs to understand gaps in existing cancer nursing knowledge and skills.
 2. Identify common learning needs **across nurse cohorts** to inform future education and training requirements.
 3. **Evaluate** education and training programs.
- The CaN-SAT is designed for *specialist* cancer nurses
- Need for specialised nursing skills to be assessed in tumour groups



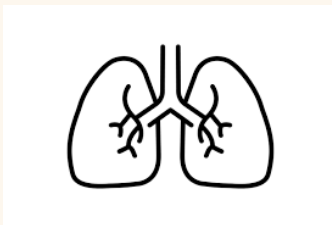
AIM

- To develop and psychometrically test supplementary elements of practice for the CaN-SAT for three cancer groups – lung, breast and haematology.

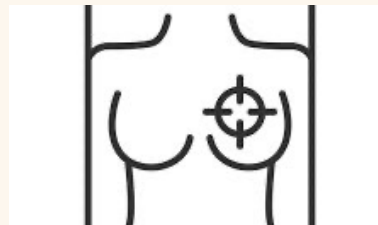
DESIGN

- Three sub-studies:

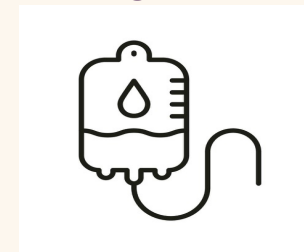
Lung cancer & mesothelioma



Breast cancer



Haematological cancers



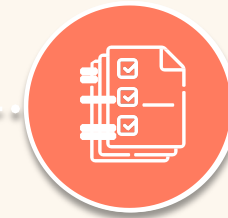
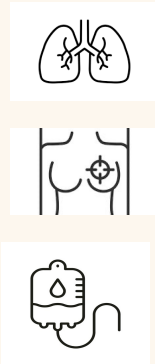
METHODS



Phase 1

Phase 2

Phase 3



Instrument Development

Expert working groups x 3 – people with lived experience + expert nurses

Based on evidence-based literature

Validity

Modified Delphi with key stakeholders
Importance of each element of practice

Relevance and **clarity** of items
(Content Validation Index)

Reliability

Internal consistency evaluated using Cronbach's Alpha

Recruitment through CNSA & HSAZ membership and social media

RESULTS



MONASH
University

McGrath
Foundation

PHASE 1 – SUPPLEMENTARY ELEMENT DEVELOPMENT

- » Project team met fortnightly between Sep 2025 – June 2026
- » 2-6 workshops + team meetings for each expert working group
- » Draft elements of practice prepared for each cancer speciality area.

Breast supplementary elements of practice

Breast cancer –
11 items

Lung supplementary elements of practice

Lung cancer – 8
items

Mesothelioma –
8 items

Haematological supplementary elements of practice

Haematological
supportive care –
13 items

CAR T-cell
therapy – 11
items

Stem Cell
Transplant – 13
items

RESULTS



PHASE 2 – CVI MODIFIED-DELPHI RATINGS – ROUND 1

Breast	Lung cancer	Mesothelioma	Haematological supportive care	CAR T-cell therapy	Stem Cell Transplant
13 expert reviewers	15 expert reviewers	15 expert reviewers	18 expert reviewers	18 expert reviewers	18 expert reviewers
All items iCVI>0.92	All items iCVI>0.86	iCVI>0.75-1	All items iCVI>0.94	All items iCVI>0.92	All items iCVI>0.94
All items accepted in round 1	3/8 items accepted	7/8 items accepted	7/13 items accepted	7/11 items accepted	9/13 items accepted
	5 items revised → round 2	1 item revised → round 2	6 items revised → round 2	4 items revised → round 2	4 items revised → round 2

RESULTS



PHASE 2 – CVI MODIFIED-DELPHI RATINGS – ROUND 2

Lung cancer	Mesothelioma	Haematological supportive care	CAR T-cell therapy	Stem Cell Transplant
12 expert reviewers	12 expert reviewers	12 expert reviewers	12 expert reviewers	12 expert reviewers
All items iCVI>0.91	iCVI = 1.0	All items iCVI=1.0	All items iCVI>0.92	All items iCVI=1.0
All items accepted	All items accepted	All items accepted	All items accepted	All items accepted

RESULTS

PHASE 3 –RELIABILITY TESTING



MONASH
University

McGrath
Foundation

We are still recruiting to our reliability study and invite you to participate!

Lung cancer



**Haematological
cancers**



Breast cancer



IMPLEMENTATION

- CaN-SAT has been incorporated into McGrath Foundation Onboarding Pathways since November 2024 – 102 completions.
- Now available for individuals to complete on the CNSA website.
- Links to CNSA Comprehensive Cancer Nursing Framework for Specialist level.
- Complete annually as part of performance appraisal
- Pre and post tool for education evaluation



MONASH
University

McGrath
Foundation



CaN-SAT

CaN-SAT elements of practice

The following elements of practice are included in this self-assessment:

1. Integration and use of a nursing model of care
2. Screening, early detection, diagnosis and staging of cancer
3. Genetics and genomics
4. Intravenous Systemic Therapies
5. Oral and injectable anticancer therapies
6. Radiation therapies
7. Surgical treatment, reconstruction and plastic surgery
8. Clinical trials
9. Symptom Management
10. Supportive care
11. Sexual health and fertility preservation
12. Palliative and end-of-life care
13. Nurses' role in Multidisciplinary Team and care coordination
14. Communication, education, and providing care for priority populations
15. Self-care and professional support

11.1 Utilise credible sources of information and apply best practice guidelines relating to fertility preservation and sexual health.*



11.2 Demonstrate understanding of how different cancer treatments can affect fertility.*



11.3 Demonstrate understanding of the different methods available to preserve fertility and the factors to consider for each method.*



CONCLUSIONS & FUTURE DIRECTIONS



MONASH
University

McGrath
Foundation

- Supplementary elements of practice for the Cancer Nurse Self Assessment Tool (CaN-SAT) have been developed and validated for breast, lung and haematological cancers.
- Plans are underway for further supplementary elements of practice & ongoing review of existing elements
- The CaN-SAT is now available for specialist cancer nurses to use via the CNSA website.
- The supplementary elements will be available once reliability testing is complete



MONASH
University



Please reach out if you have any questions:

MyLearning@mcgrathfoundation.com.au OR

Olivia.Cook@monash.edu

