



Alzheimers New Zealand Repositioning Dementia

March 2024

Māori Assessment of Neuropsychological Abilities

MANA



SCIENCE
SCHOOL OF PSYCHOLOGY



Kairangahau



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Prof Denise Wilson Ngāti Māhinga AUT

Dr Gary Cheung UoA Te Whatu Ora/UoA

Dr Sarah Cullum Te Whatu Ora/UoA

Prof Ngaire Kerse UoA

Prof Lynette Tippett UoA



Kaitiaki Rōpū

- Matua Piripi Daniels
- Dr Waiora Port
- Whaea Ngāwairongoa Herewini
- Matua Sonny Niha
- Whaea Kahu Pou
- Dame Naida Glavish







Kairangahau

- Maureen Allen
- Roberta Kaeo
- Ngāwairongoa Herewini
- Kahu Pou
- Elisa Lavelle Wijohn
- Tahlia Kingi
- Katherine Holmes
- Geraldine Boyd
- Robbie Caldwell
- Harrison Dudley-Rode
- Sierra Tane
- Tori Diamond



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MĀORI ASSESSMENT OF NEUROPSYCHOLOGICAL ABILITIES

Instructions for Use



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MĀORI ASSESSMENT OF NEUROPSYCHOLOGICAL ABILITIES

HISTORY TAKING

MIHI (initial greeting and engagement)

Introduce yourself (name and role), ask name and relationship for those attending

DATE:/...../.....

NAME / INGOA:.....**Date of Birth:**/...../.....

WHĀNAU OR FRIEND PRESENT:

Name (relationship):.....(.....)

WHAKAWHANAUNGATANGA (establishing relationship/connection)

- Share your whakapapa (genealogy) if you are able, if not share briefly where you are from
- Give time for attendees to share also
- Consider asking participants if they would like an opening karakia, if time allows.

WHAT IS YOUR IWI?

WHAT IS YOUR MAUNGA?

WHAT IS YOUR AWA?

Sample Opening Karakia:

Māori	Māori phonetic	English
Whakataka te hau ki te uru, Whakataka te hau ki te tonga.	Fakataka tay ho key tay oo-roo, Fakataka tay ho key tay tonga,	Prepare for the westerly, Prepare for the southerly,



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ORANGA KAUMĀTUA WAIRUA AND WELLBEING OF OLDER MĀORI

NAME:		
Date of Birth:/...../.....	AGE:	DATE:/...../.....

Note: Māori words are followed by their phonetic pronunciation and their English meaning

1. *Where is the place that you feel most connected to?*

.....
.....
.....
.....

2. *Where is the place you would most want to live? (With whom?)*

.....
.....
.....
.....



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FUNCTIONAL - WHĀNAU/FAMILY

(can be given to whānau to complete)

KAUMATUA: DOB:

WHĀNAU MEMBER/CAREGIVER NAME

RELATIONSHIP TO KAUMATUA:..... TODAY'S DATE:.....

THESE QUESTIONS ARE ABOUT YOUR KAUMATUA (Ko-mar-tu-a)

For memory and thinking, does she or he:	Never (0)	Sometimes (1)	Often (2)
1. Forget the kōrero (kor-ree-ror; talk) s/he has just had?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Repeat herself/himself a lot?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Forget where s/he leaves things?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other tools reviewed

AD8

IQCODE

Blessed

Dementia Severity Rating Scale

Everyday Cognitive Assessment Tool

GP COG informant interview

Functional activities questionnaire

KICA-Carer



Things MANA functional assesses



Cognitive

memory, orientation to time & place, language, safety, financial

Behaviour

wandering, social, apathy, mood, sleep, hallucinations & delusions

Subscores

Cognitive

Behavioral

Total Score



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COGNITIVE ASSESSMENT

NAME:	Time Started:
DATE OF BIRTH:	
DATE OF TESTING:	

<i>I AM GOING TO ASK YOU SOME QUESTIONS AND ALSO ASK YOU TO DO SOME TASKS.</i>	SCORE
1. ORIENTATION TO TIME <ul style="list-style-type: none">• <i>Is it pay/pension/benefit week?</i>.....• <i>What month/marama (ma-ra-ma) is it?</i>.....• <i>What season is it?</i>.....• <i>What year is it?</i>.....	... / 4
2. ORIENTATION TO SPACE	

Examination of commonly used “screening” tools

- ❖ MMSE
- ❖ 3MMSE
- ❖ MoCA
- ❖ ACE-III
- ❖ Frontal Assessment Battery
- ❖ CamCog
- ❖ KiCA*
- ❖ Rudas*

* Tools sometimes used in non-Western/European populations



Whānau Interviews

- ❖ Identify examples of cognitive difficulties
- ❖ Look for novel constructs
- ❖ Look for different prominence of a domain
 - ❖ *“if I have some of my nieces or nephews pop in and see her, it’ll take a little bit to recognise who they are, and then there’s her putting their relationship with the parents, you know, or she might say “Oh your so and so’s daughter aye,” and it’s not.”*
 - ❖ Can knowledge of whakapapa be built into tool?
 - ❖ long-stored knowledge of a particular type that is important



Domains assessed

ORIENTATION	Time, place, personal
LANGUAGE	Repetition, Verbal Comprehension, Picture Naming
MEMORY	Anterograde, Working Memory, Delayed Recall
EXECUTIVE FUNCTIONING	Abstract Thought, Category Fluency, Luria Test (execution of a learned motor programme, inhibitory control, attentional flexibility, working memory, and motor planning.
VISUOSPATIAL FUNCTIONING	Copying a Figure

10. Picture Naming

I am going to show you some pictures. I want you to tell me what they are.

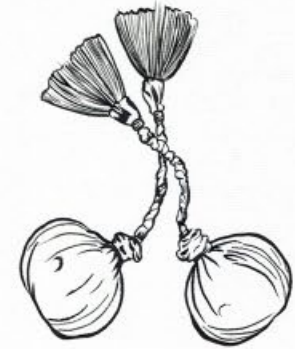
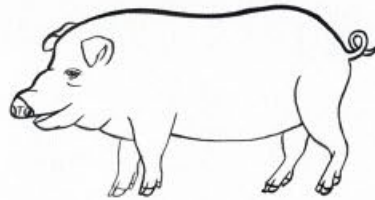
marae

pig

tiki

penguin

poi



12A. ATTENTION: WORKING MEMORY

I want you to spell the word 'kai' (food)

If the person cannot spell 'kai', do not proceed with the task. Administer Digits Backwards instead (12B.)

If the person spells 'kai' correctly, then say:

If I asked you to spell the word 'kai' backwards, you would say "i, a, (k)" Pause to give them the chance to say the last letter "k".

If they understand, proceed with the task. If not, repeat the practice trial. If they still do not understand do not proceed with the task. Administer Digits Backwards instead.

Now please spell the word "hong*ong*" (hor-ngee; traditional greeting) backwards

i g n o h
— — — — —

12B. DIGITS BACKWARD

I am going to say some numbers to you. When I stop, I want you to say those numbers to me, backwards. For example, if I say 8 - 2 what will you say?

Correct response (2 – 8) Say, ***That's right.***

Incorrect response: Say, ***That's not quite right. I said 8 -2 so to say them backwards you should say 2 -8.***

Feedback from Consultation Hui

- “ I wouldn’t sit there being angry that my parents are being asked things they can’t relate to...hey could relate to but they couldn’t be bothered relating to because its irrelevant to them at their current stages in life”.
- “I would feel pleased to see part of their world reflected back to them in these questions...

Validation

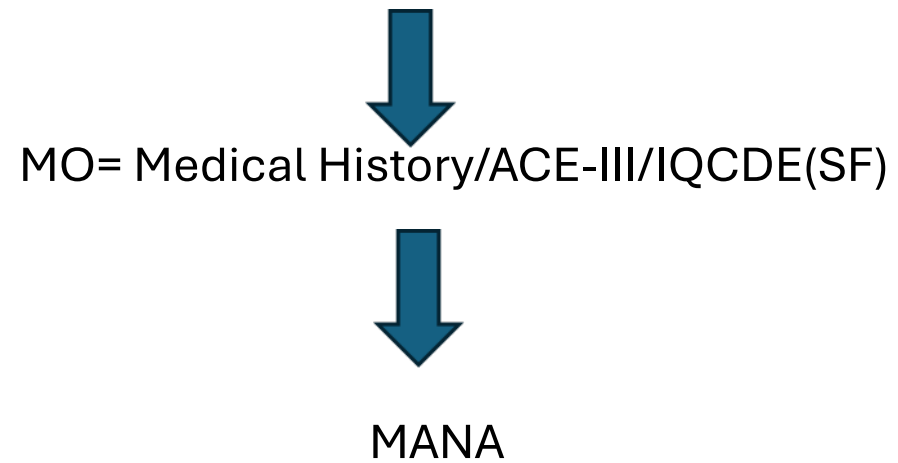
- N = 87
- Memory Clinic Recruitment = 31 (Middlemore Memory Clinic, Rotorua Hospital, Queen Elizabeth Health Rotorua).
- Dementia = 33
- MCI = 12
- No Dementia = 42

Design

With Diagnosis of Dementia/MCI



No Diagnosis (Community)



Medical Officers

- Te Tai Tokerau Dr Suzanne Duff
- Tāmaki Makaurau Dr Robert Butler
Prof/Dr Ngaire Kerse
- Kirikiriroa Dr Chris Perkins



Ngā Mahi Tahī

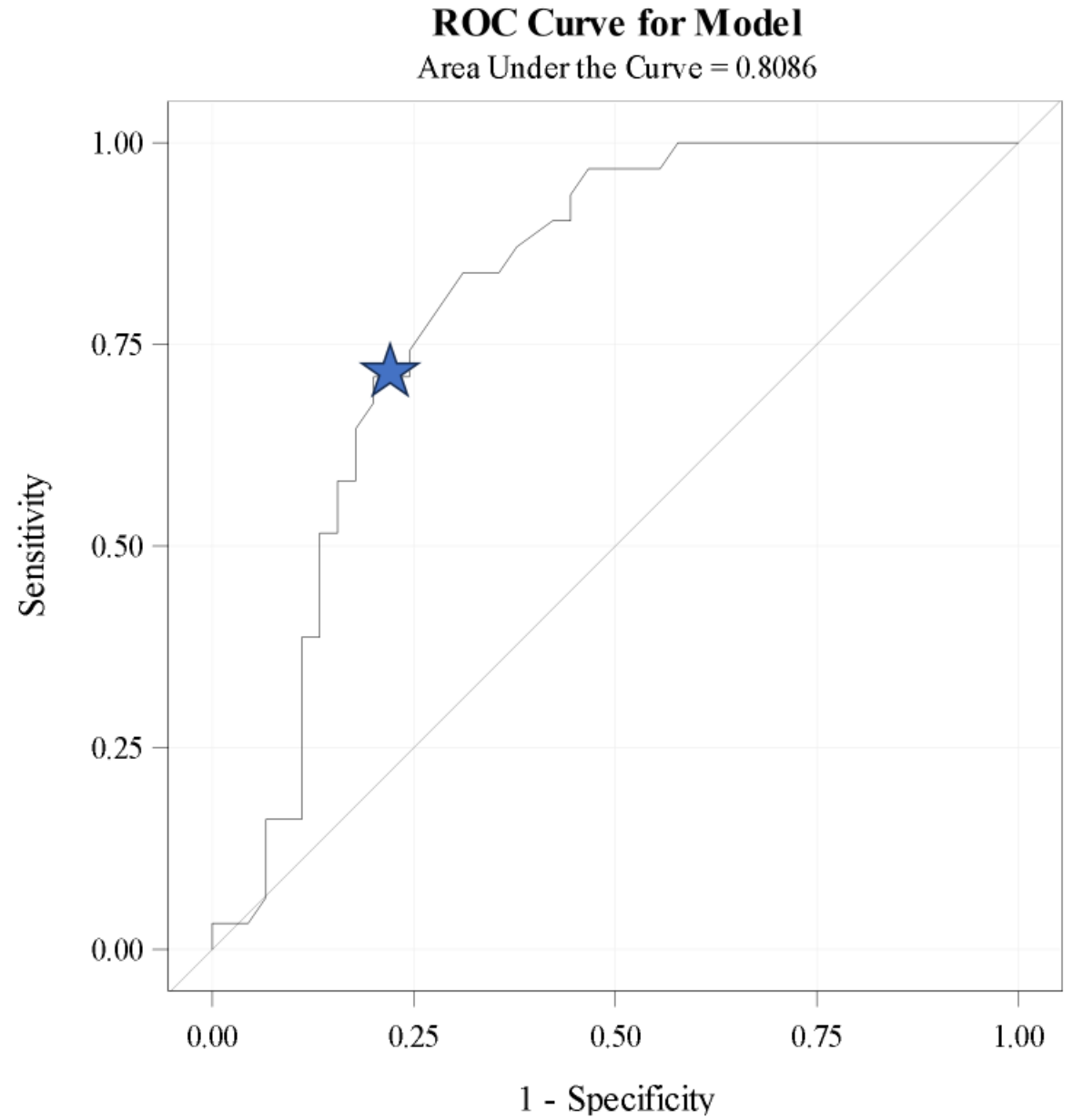
- ❖ Middlemore Hospital Memory Clinic – *Dr Sarah Cullum*
- ❖ Kaitaia Kaumātua Rōpū- *Hariata Jaspers*
- ❖ Whakawhiti Ora Pai, Te Kao - *Maureen Allen*
- ❖ Te Hiku Te Hauora, Kaitaia – *Dr Norma Nehren*
- ❖ Waitākere Hospital Marae – *Cherie Povey*
- ❖ Rauawaawa Kaumātua Charitable Trust, Kirikiriroa – *Rangimāhora Reedy*
- ❖ Ngāti Awa Social and Health Services, Whakatane – *Allison Collier*
- ❖ Orongomai Marae, Upper Hutt – *Linda Pahi*
- ❖ Tuahiwi Marae, Kaiapoi – *Dame Aroha Rereti-Crofts*
- ❖ QE Health, Rotorua – *Vicky Anderson-Hunuhunu*
- ❖ Lakes District Health Board, Rotorua – *Dr Michelle Bloor*
- ❖ Tu Tama Wāhine Ō Taranaki



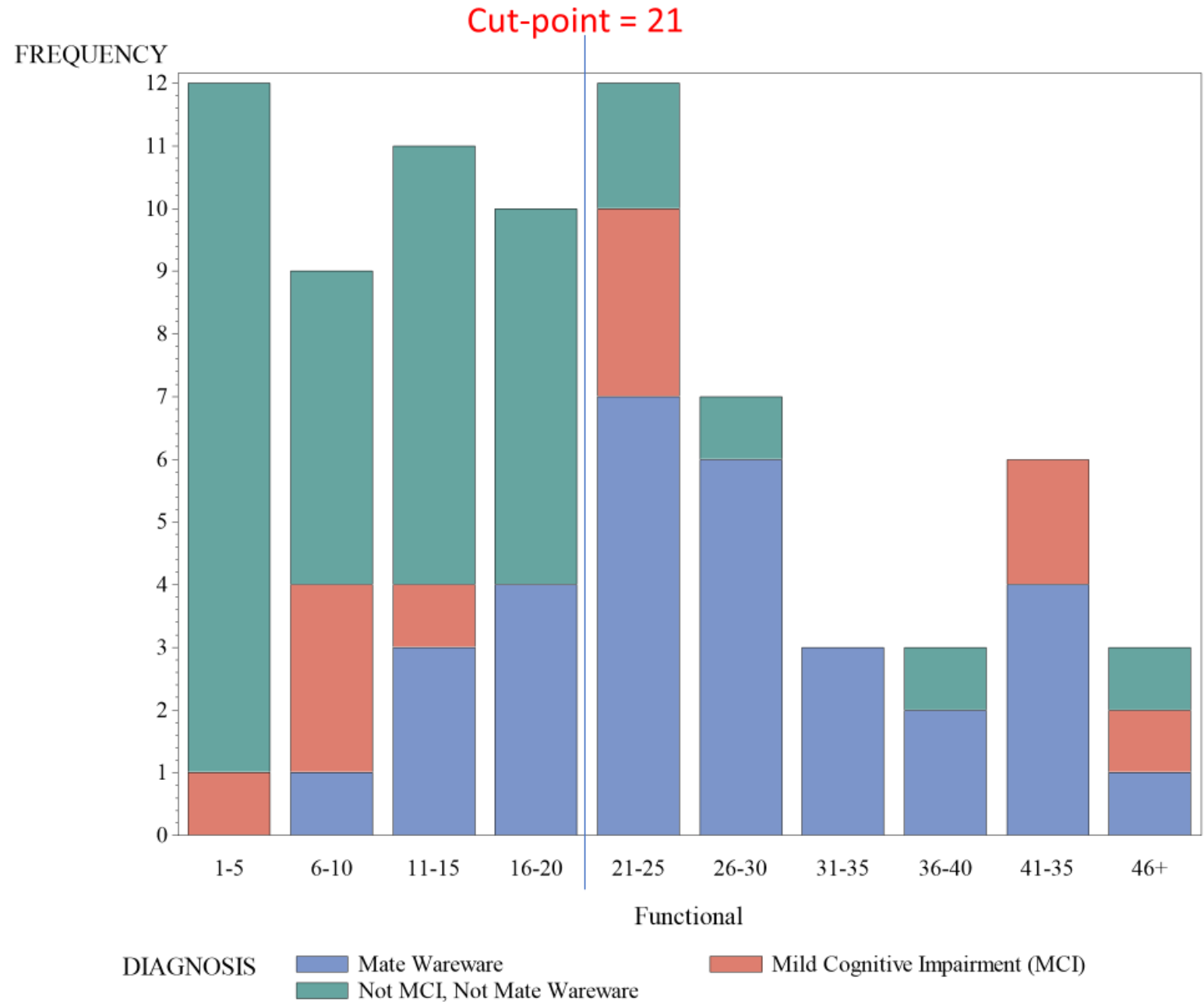
Cut-point = 21

Sensitivity = 74%

Specificity = 76%



Functional

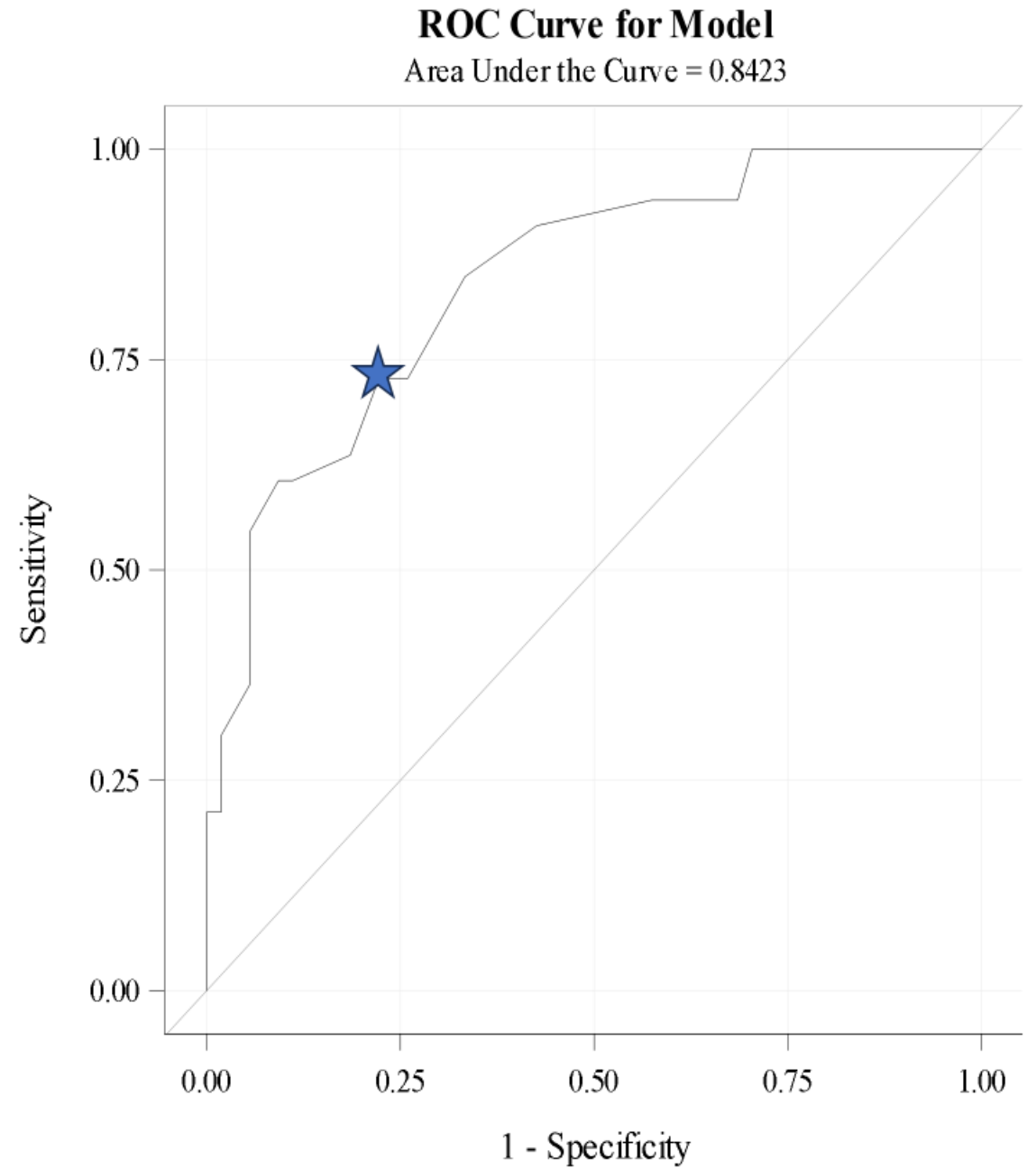




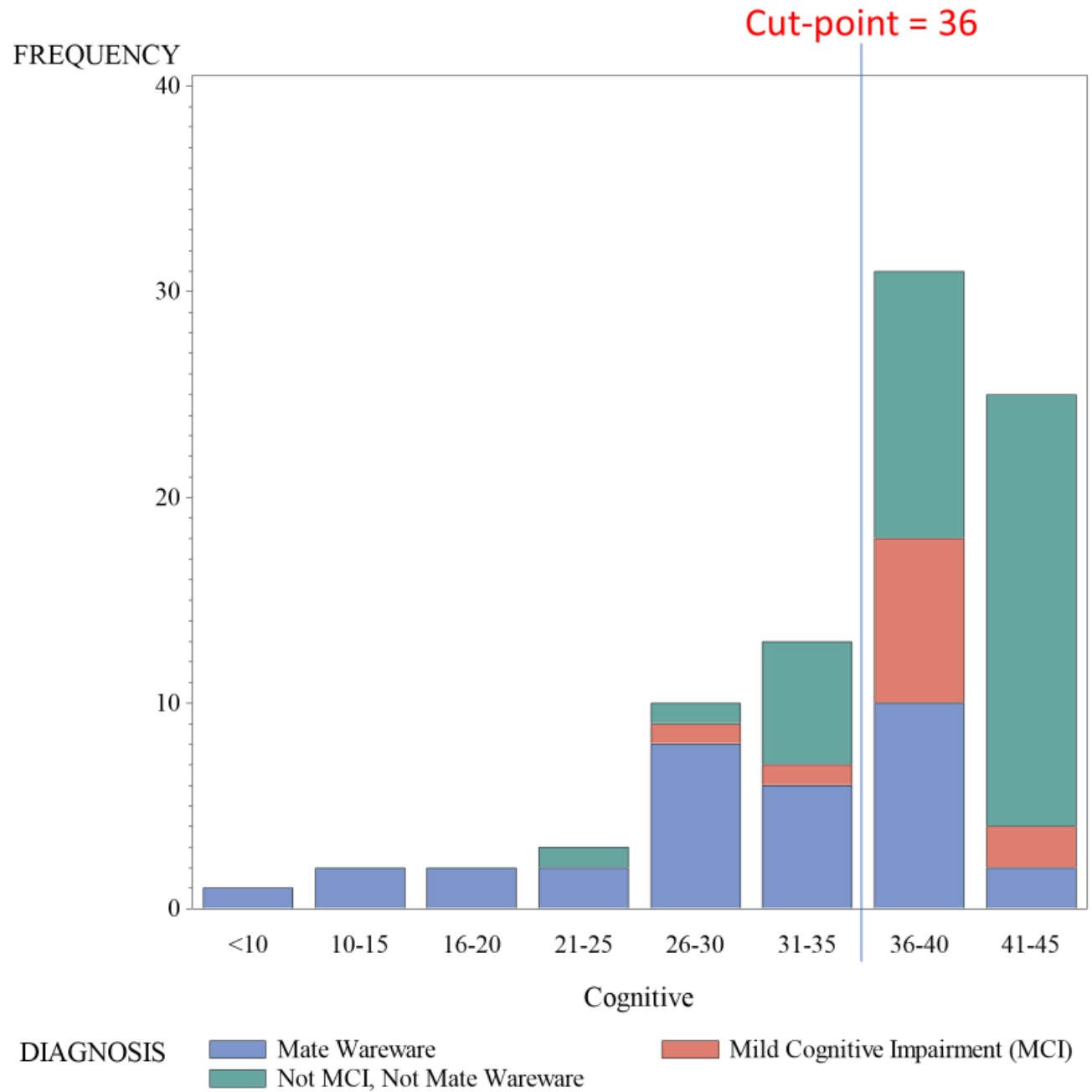
Cut-point = 36

Sensitivity = 73%

Specificity = 78%



Cognitive



- Lynette Tippett
- Ngāwairongoa Herewini
- Matua Bob Katipa
- Whaea Taurangi Sylva





MANA training, with assessment in Te Reo



Watch later



Share





MANA training, with assessment in Te Reo



Watch later



Share



Ngā rōpū i tautoko i ā mahi



- ❖ Alzheimers New Zealand
- ❖ Dementia New Zealand
- ❖ He Kamaka Waiora – Auckland and Waitematā District Health Board
- ❖ Te Hiku Hauora - Kaitaia
- ❖ Te Poutokomanawa Māori Health Service Whangarei Hospital
- ❖ Health of Older People, National Health Board, Ministry of Health

Ngā Mahi Tahī



- ❖ Middlemore Hospital Memory Clinic – Dr Sarah Cullum
- ❖ Kaitaia Kaumātua Rōpū- Hariata Jaspers
- ❖ Whakawhiti Ora Pai, Te Kao - Maureen Allen
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The New Zealand Dementia Foundation

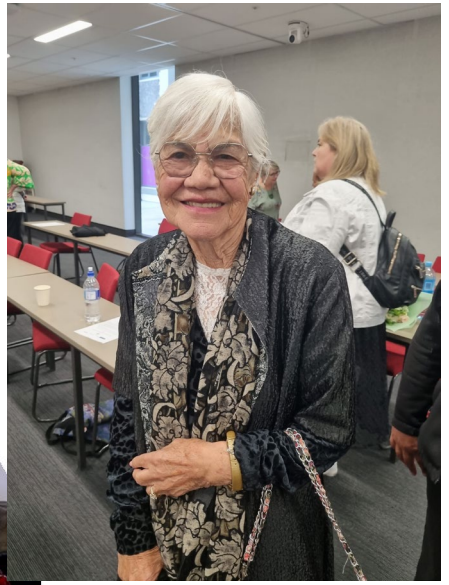
- Dr Matthew Croucher
- Dr Susan Gee



Taiahaha taiahaha!
He aitua, he aitua, ...See More



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34:47 / 36:58

