



CENTRAL AUSTRALIAN RETRIEVAL SERVICE  
ALICE SPRINGS HOSPITAL



**MRaCC**   
MEDICAL RETRIEVAL AND CONSULTATION CENTRE

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# **Bridging the Distance: Remote Pre-hospital and Retrieval Medicine Training**

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# MPARNTWE

(ALICE SPRINGS)

CENTRAL ARRERNTJE COUNTRY





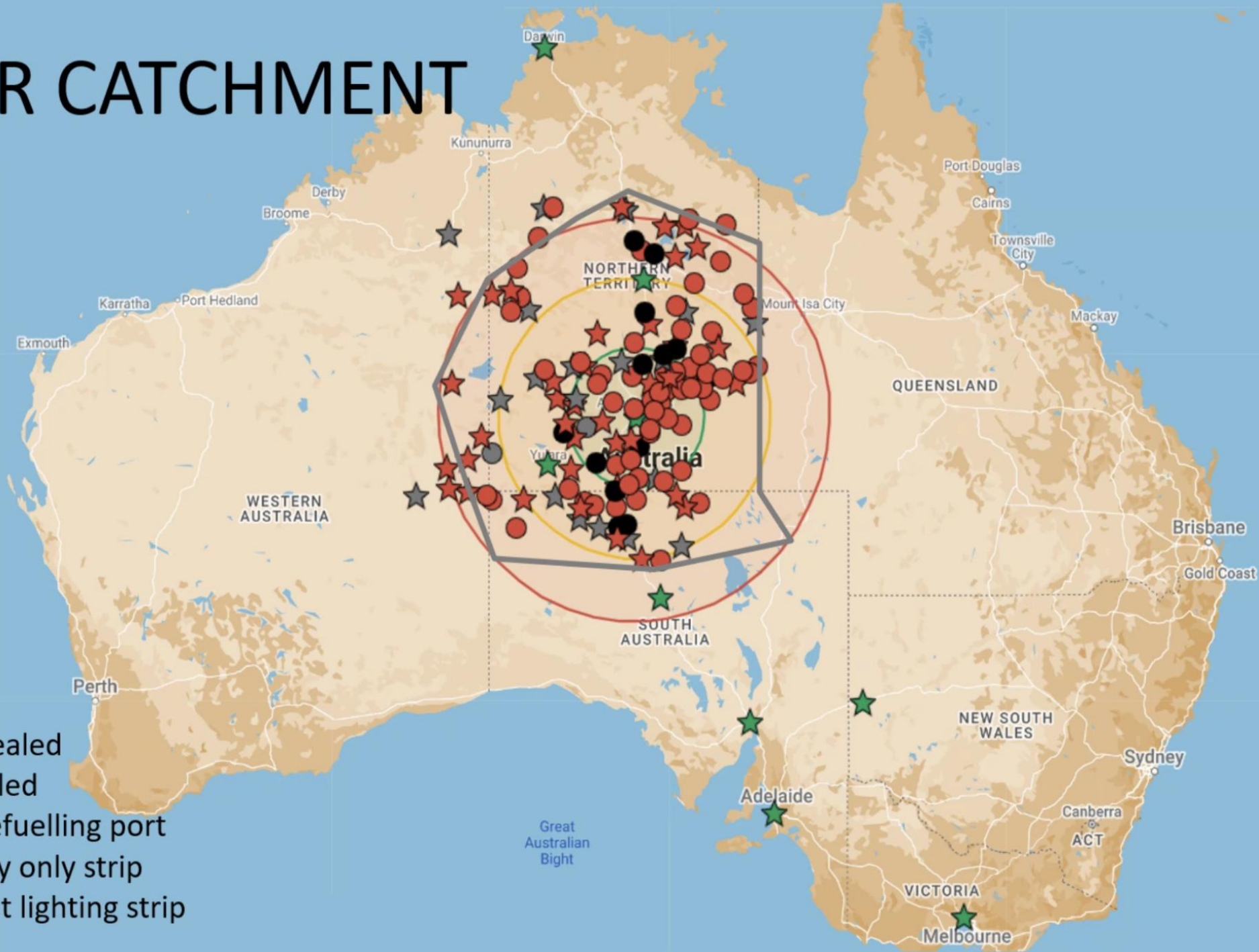
CARS  
(MRaCC  
)



RFDS  
SA/NT

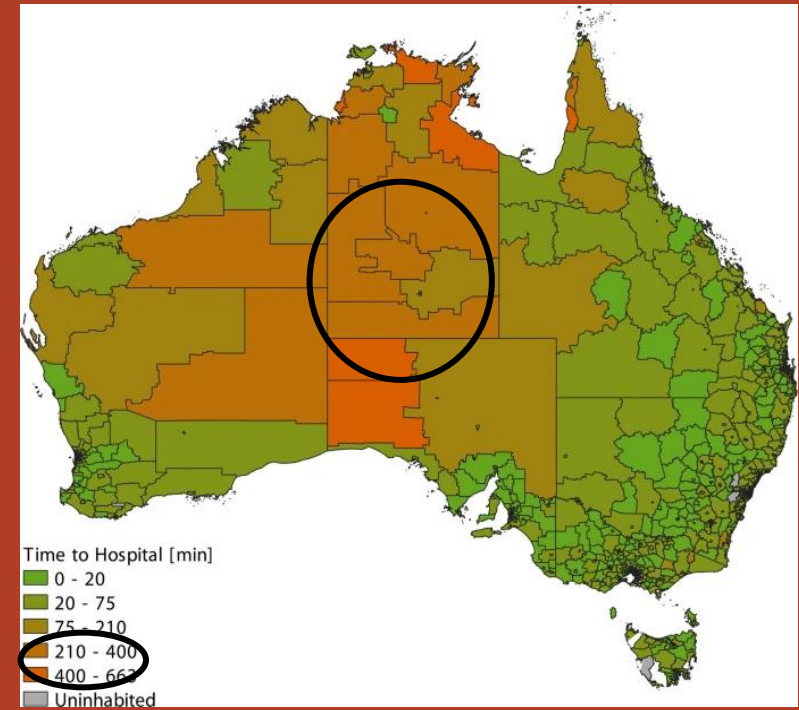
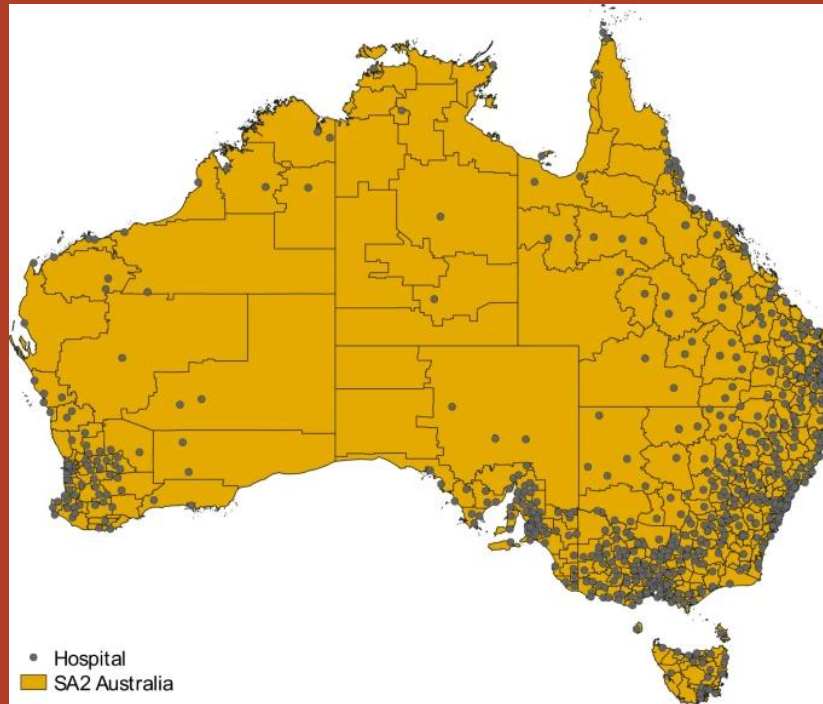
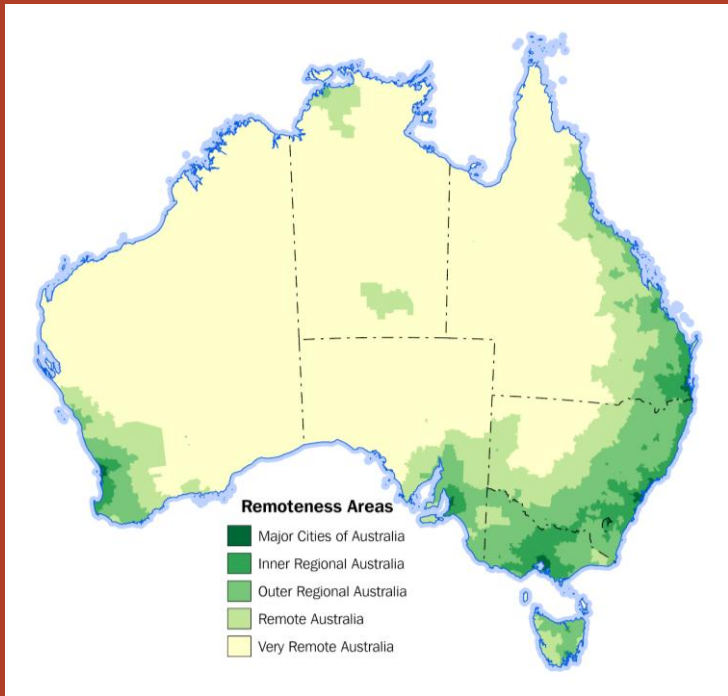


# OUR CATCHMENT



## LEGEND

- Red = Unsealed
- Grey = Sealed
- Green = Refuelling port
- Circle = Day only strip
- Star = Night lighting strip





***“How do we train the next generation of PHRM clinicians in the most remote parts of Australia?”***



**ANZCA**  
FPM

Australian College of  
Rural & Remote Medicine  
WORLD LEADERS IN RURAL PRACTICE



Training Time	Workplace-Based Assessments	Examinations
Minimum 6 month 1.0 FTE accredited placement site	Trainee Supervisor Reports (TSR)	Written (MCQ / SAQ)
<b>Task Logbook</b>	Multi-source Feedback (MSF)	Practical (OSPE)
	Mission Assessments (MA)	
	Case-based Discussions (CbD)	
	Direct Observation of Procedural Skill (DOPS)	
	Direct Observation of Technical Skill (DOTS)	

Fully Accredited Sites

Pre-hospital Accredited Sites

Retrieval Accredited Sites

## PRIMARY

Assessment ± intervention in the out-of-hospital environment (scene, roadside, private dwelling) **with minimal or no health infrastructure.**

≤ 10 simulated scenarios

## MODIFIED PRIMARY

patient has been moved from the scene to a location with **some health facility (but minimal infrastructure)** before PHRM team arrival; i.e. in transit or at a rural clinic / ambulance / GP setting with limited support.

≤ 10 simulated scenarios

≤ 10 simulated scenarios



GIVE  
WAY

Emergency  
Ambulance  
60





Mission Type	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
2.1 IHTs from ASH	10	10	11	11	11	15	5	9	9	10	13	13	127
2.2 IHTs from TCH	4	8	5	8	6	5	4	5	11	7	6	5	74
2.3 Modified primaries	43	35	37	35	39	24	40	56	40	43	36	37	465
2.4 Pre-hospital primaries	3	0	2	5	5	5	4	4	2	2	0	2	34

Outcomes	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YTD
Average total mission time (HH:MM)	05:42	06:01	06:30	06:18	06:12	06:10	06:46	06:09					06:15

# Challenges...

**Caseload**



**Supervision**

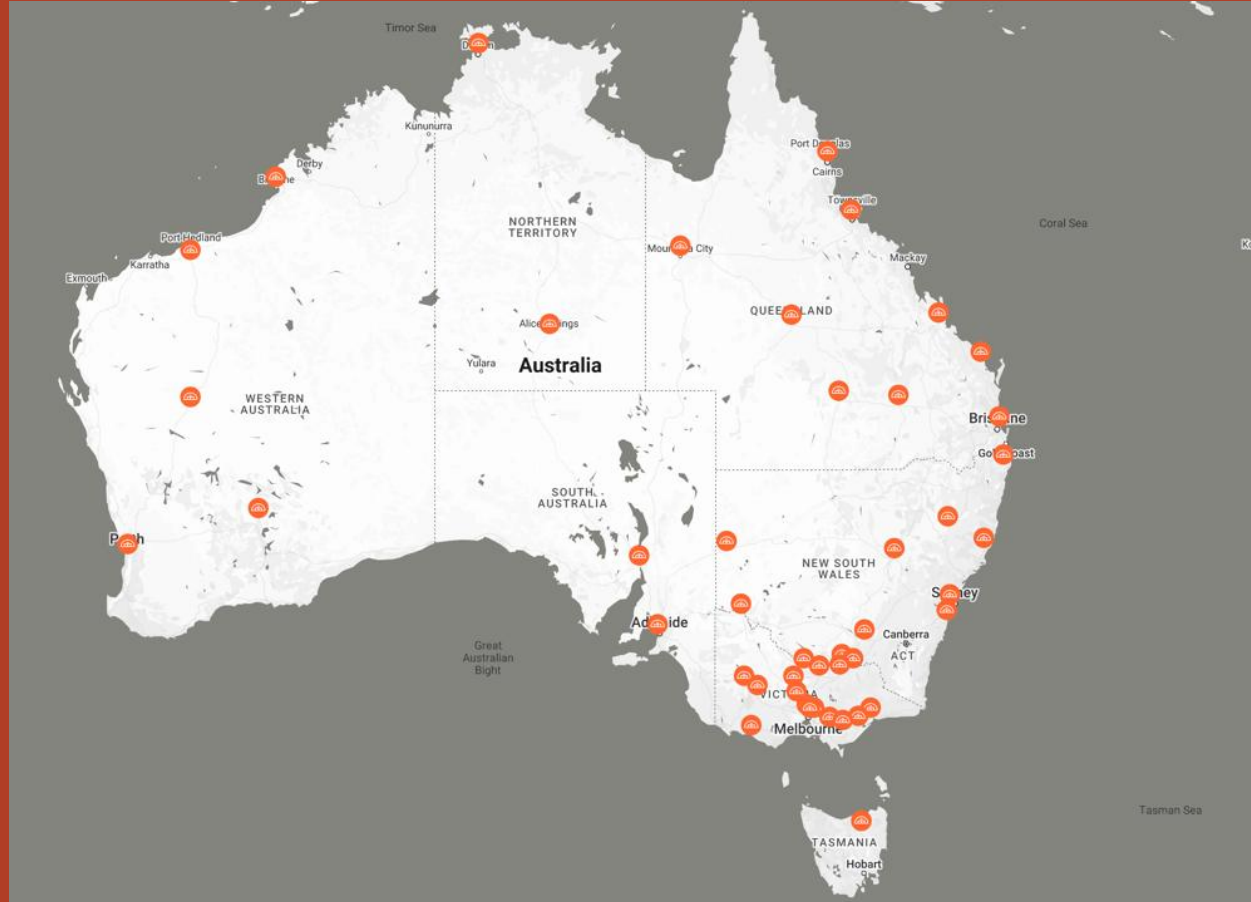
Direct

Remote (Telehealth)

Multidisciplinary

Flexible

Case type	Requirement specified in accreditation standards for fully accredited sites	Interstate HEMS	CARS Fixed Wing
TOTAL CASES	≥ 50	70	110 (Coordination – 45)
Direct Patient Contact whereby registrar is primary clinician on a task - TOTAL	≥ 30	70	81
• Pre-hospital - TOTAL	≥ 15	17	59
— Pre-Hospital (Primaries excluding modified primaries)	≥ 10	17	18 (6 FW + 12 RD)
— Pre-Hospital (Modified Primaries)	Up to 5	0	41
• Retrievals - TOTAL	≥ 15	53	21 (IHT)
— Retrieval (from Rural and Remote Locations)	-	17	-
— Retrieval (ICU to ICU)	-	0	-
— Retrieval (Other)	-	36	-
— Retrieval (Total transport time with the patient greater than 2 hours)	-	24	-
Paediatric cases (16 years and under) - TOTAL	-	5	13
Neonatal cases (28 days or less corrected age) - TOTAL	-	0	1
<b>Task Breakdown</b>			
Registrar solo	-	67	77
Registrar performing, supervisor present (Buddy shift)	-	3	4
Supervisor performing, registrar present (Buddy shift)	-	0	



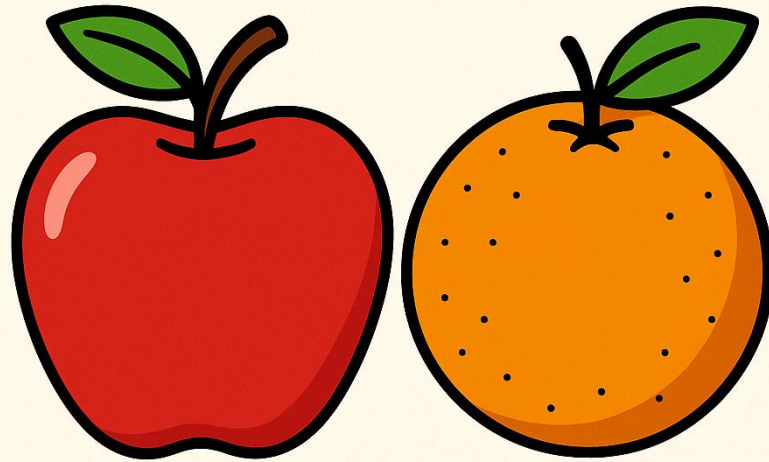
Let's start the conversation...

**ROAD CLINIC**

**URBAN REMOTE WILDERNESS**

**APHRM(Fixed Wing) APHRM (Rotary)**

**APHRM(Urban) APHRM(Rural)**



**BOTH ARE  
FRUITS**