

AMSA PACSAR Conference 2 March 2023 Tele-Medical Advice Service (TMAS)

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LifeFlight Australia



TMAS Operations / LifeFlight C3 Overview

- LifeFlight Australia contracted to AMSA to provide tele-health medical advisory services for incidents that may occur at sea
 - Direct contact from vessel
 - Contact via AMSA Joint Rescue Coordination Centre (JRCC)
- TMAS calls are coordinated through the LifeFlight Communication, Coordination and Control Centre (C3)
 - TMAS accessed via a single telephone number
 - Trained aeromedical operations staff / call-takers
 - 24/7/365
 - Translation services if required
 - Direct connection to Duty Medical Coordinators within 30 minutes of 1st call



Quarterly TMAS Mission Summary: 01 September 2022 – 30 November 2022

Mission Numbers

33

Total Number Calls

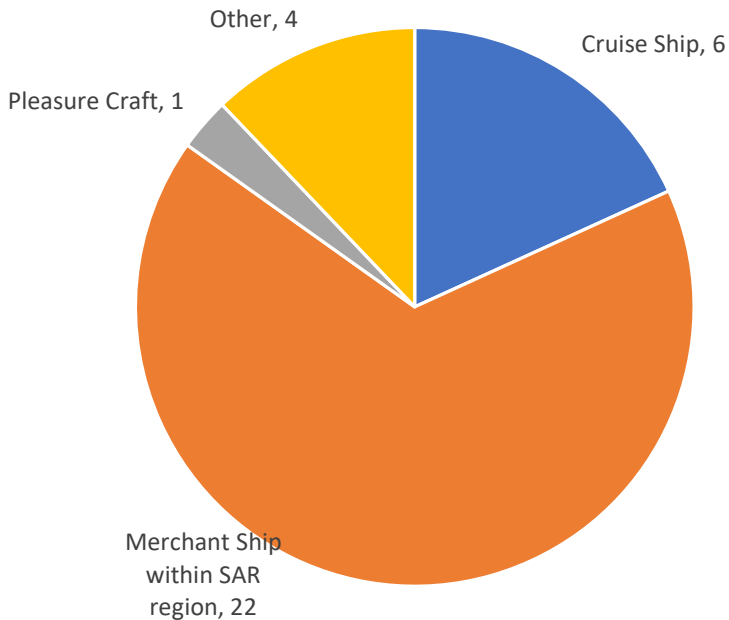
300

Total Call Duration

17:22:46

Average time to connect to Medical Coordinator

00:09:18



Medevac's Required

20 of 33

Air Drop Required

0 of 33

Port Diversion Required

10 of 33

State Clinical
Authority Engaged

33 of 33

Total Patient
Numbers

33

COVID Related Missions
and Patients

0 of 33

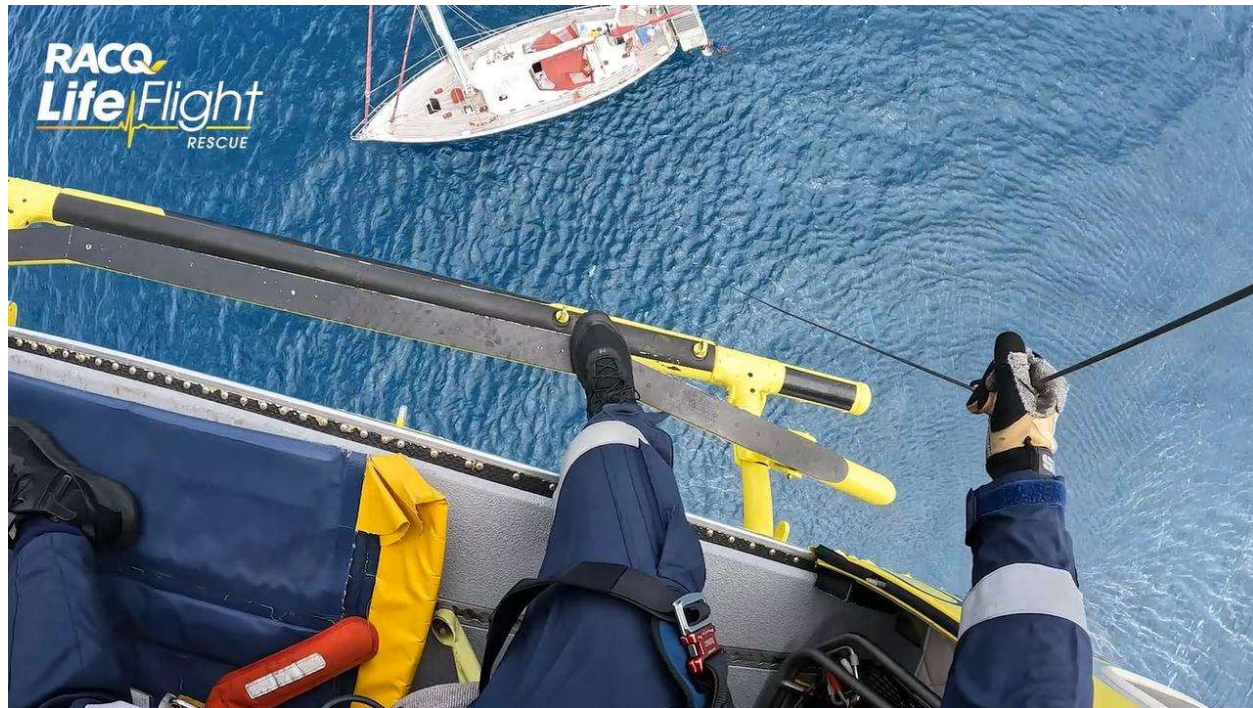
TMAS Medical Coordinator Workforce

- TMAS Medical Consultants / C3 Duty Medical Coordinators
 - Experienced Critical Care Specialists
 - Select group of 8 enthusiastic specialists
 - Internal support / cross-cover to ensure uninterrupted, 24/7/365 service
 - Dedicated SAR survivability expert
 - Direct SAR experience in aeromedical RW and FW operations
 - LifeFlight (QLD), Retrieval Services Queensland
 - MedStar (SA)
 - ADF / RAAF
 - Extensive knowledge of Australian aeromedical systems capabilities
 - Can directly consult outside medical specialist experts if required



TMAS DMC Initial SAR Support

- Direct Communication with Ship's Master / Captain
- Initial information exchange
 - Mode of communication
 - Cell phone, Sat Phone, email
 - Vessel location, course, speed
 - Port of departure, destination
- Patient Demographic Details
 - Name, age (DOB), crew position
 - Nationality
- Nature of illness or injury
 - Minor: Fishing hook in hand
 - Moderate: Sea sickness
 - Serious: Burn
 - Critical: Shark attack
- Detailed clinical history
- Immediate Assessment and management advice
 - Medical supplies on vessel
- Decision to extract patient from vessel
- Continued support (may last several days) leading up to medivac

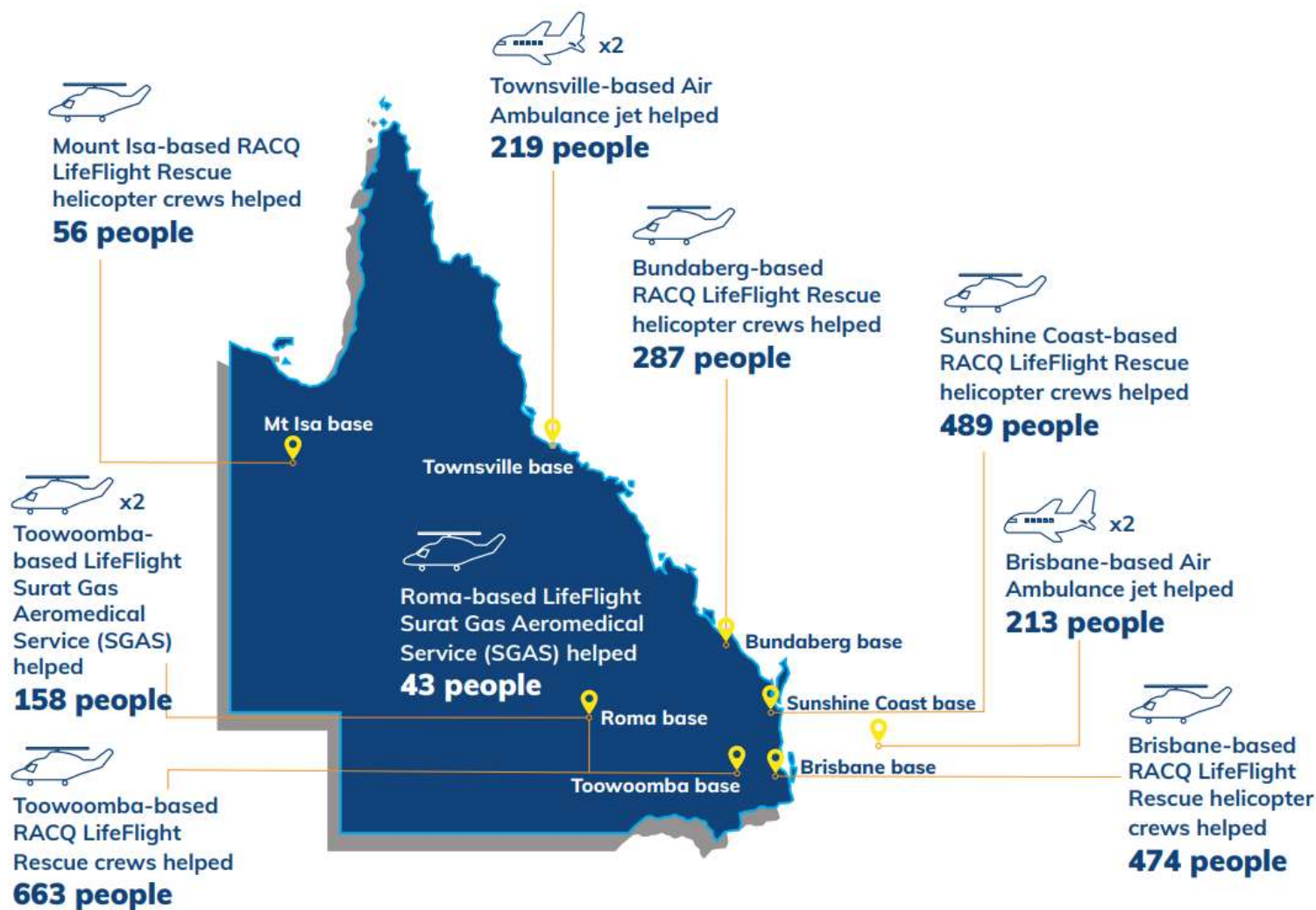


TMAS DMC - Supporting SAR Missions

- Continued Support
 - Prescribe treatments using medications / supplies from ship's stores
 - Continued advice to Ship's Master
- Communication to JRCC
 - Patient condition report
 - Decision to extract patient from vessel
 - Critical: ASAP
 - Low Acuity: Once alongside in port
 - Follow up reports
- JRCC actions if medevac required
 - Divert Vessel
 - Supply drop from Challenger jet
 - Engage surface vessel for assistance
 - Primary RW tasking for winch extraction
 - 604 Challenger Top cover
 - Secondary FW tasking
- Disposition of patient
 - Medical handover to retrieval and health services
- Engage with ship's agent for low-acuity cases







74,000+
people helped since 1979

6,825
people helped this year

1,962
people helped by community helicopters

432
Air Ambulance jet missions

400+
employees

120+
volunteers

150
Critical Care Doctors

10
Community helicopters

4
Air Ambulance jets

8
base facilities

LifeFlight

LifeFlight Retrieval Medicine

LifeFlight



LifeFlight Retrieval Medicine

- Doctors, Flight Nurses and Paramedics supporting:
 - 24/7/365 Duty Medical Coordinator to oversee all missions
 - Telehealth services
 - Search and Rescue
 - Commercial clients
 - Commercial Jet Air Ambulance
 - Queensland Health / Retrieval Services Queensland
 - 7000 patients/yr transported
- Consultant lead retrieval teams
- Statewide Aeromedical System Co-ordination at RSQ
- World-class medical officer training program



Rotary Wing Operations

LifeFlight



Specialist SAR Services

- AW139 offshore SAR aircraft
- IFR / Night Vision
- Enhanced Flight Director with SAR / HOV modes
- Dual Hoist
- FLIR
- Floats, Life rafts
- Cargo Hook



Fixed Wing Operations



Challenger 604

- 4 x Challenger 604 dedicated Air Ambulance jets
- Flexible internal configuration / 2 stretchers
- Versatile Response
 - Adult Critical Care
 - Specialised Paediatric Critical Care Team
 - Specialised Neonatal Critical Care Team
 - ECMO Team
- International range – 6,500KM



White Island

The volcanic island Whakaari / White Island in New Zealand's northeastern Bay of Plenty region explosively erupted on the 9th of December 2019 at 14:11 NZDT (01:11 UTC). There were 47 people on the island at the time.



Questions?

LifeFlight

