


# Community Paramedicine in Developing Countries

Mongolia



Maldives





*While I may mention  
products, companies or  
equipment throughout this  
presentation, by no means  
am I representing them in  
any sales or marketing  
capacity.....*

*Disclaimer*

# A little about me

- Foundational Program Director  
– Griffith University  
Paramedicine Degree
- Senior Lecturer
- Clinical Director Mongolian  
EMS & Disaster Management  
Program
- Queensland Ambulance  
Service Part-time ACP  
Extended Scope of Practice
- PhD Student
- Research Interests:
  - Simulation Methodologies
  - International Ambulance  
Models in Developed &  
Developing Countries



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# AUSTRALIA TRAVEL GUIDE



# How we welcome our visitors



# National Icons



## **DROP BEAR FACTS:**

1. A fully grown Australian Drop Bear can fit an adult human's head inside its mouth.
2. Drop Bears can drop from heights as high as 45 metres, which allows them to hit their prey at 104 kilometres per hour.







# Education

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*What is Education?*

THINKING  
SUCCESS  
**EDUCATION**  
KNOWLEDGE  
GROWTH  
EXPERIENCE  
TRAINING  
PROFESSIONAL  
CAREER  
PROGRESS  
ABILITIES  
CAPABILITIES  
TUTORIA  
ADVANTAGE  
DEVELOPMENT  
JOB  
FUTUR  
EXPERT  
RESEARCH  
LEARNING  
FUTURE  
SKILLS  
GROWTH





A word cloud centered around the word "INNOVATE". The word "INNOVATE" is the largest and most prominent, rendered in a bold, orange-to-red gradient font. Surrounding it are various other words in black, of different sizes and orientations, creating a dynamic and interconnected visual. The words include: "new", "teamwork", "plan", "production", "effort", "profit", "research", "analysis", "ideas", "development", "team", "motivation", "management", "leadership", "value", "company", "success", "advance", "solutions", and "team". The overall shape of the word cloud is roughly rectangular, with the words "INNOVATE" and "team" being the most vertically oriented, while "value" and "company" are more horizontally oriented.

value advance success solutions plan new production effort  
company INNOVATE profit research  
leadership team ideas analysis  
management motivation development

# What's your approach?

## Comment

### A high-impact approach to death and dying training

Duncan McConnell, Foundational Paramedicine Program Director/Senior Lecturer, School of Medicine—Griffith University, Queensland, Australia. Email for correspondence: duncan.mcconnell@griffith.edu.au

We spend hundreds of hours teaching our students how to approach the sick and/or injured patient. But what about the relative left behind when someone passes away? What do we teach them about the management of breaking bad news? To expand further on that, how many of our paramedic students have ever seen or been around a deceased person—outside of a funeral—and just how many witnessed a deceased patient during clinical placement either post-resuscitative efforts or during a welfare check?

Multiple paramedic programmes provide communication courses within their programme structure, with Griffith University offering a course called Human Skills in Medicine, which is a core foundational year education course across all Griffith Health Medical and Paramedic programmes. However, like most other communication courses, it is not specific to paramedicine, but aimed more broadly across key medical courses. It does however provide valuable learning within the area of breaking bad news, which has been leveraged into contextualised scenarios, tailored to enhance student learning experiences within our paramedicine programme.

The approach developed around breaking bad news within our students' training is very simple and follows these areas:

- The scenario
- Low cost
- High impact, but with simple learning outcomes
- Solid debriefing.

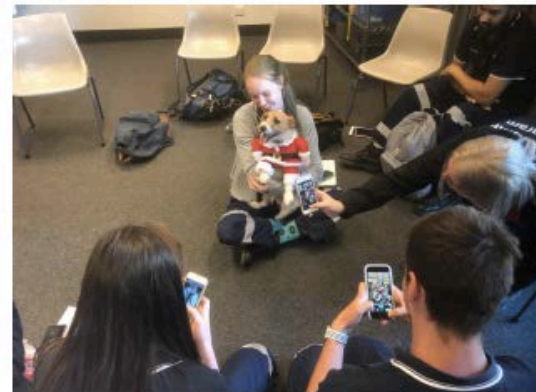
#### The scenario

The scenario that we have been using now, which has the best and highest impact on our students is: '92-year-old female patient, not alert and unresponsive'.

Our students receive only this information when they are dispatched to the case, outside the simulation lab room. On arrival, the students are met by the patient's husband, who informs them of what happened: 'I woke up before my wife this morning, pottered around for about 20 minutes, came back into the room with some tea, as she really likes a nice cup of tea when she wakes up, but I couldn't rouse her. That is when I called the ambulance.

We went to bed around 10 pm last night and I woke up at my normal time of 7 am. You know we have been married for 68 years this year. Upon examination, it is obvious that the patient is deceased, and has been for some time, as there has been a 9-hour window since the husband last saw the patient alive.

The other part of this scenario is an environmental factor that provides significant challenges to the students. 'Eddie the Jack Russell Terrier' is a devoted little dog who loves his owner and refuses to get off the bed. Every time the students do anything to assess his mum, Eddie goes up and investigates. The husband won't remove



'Eddie the Jack Russell Terrier' with paramedic students



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# Immersive Ambulance Simulator





# Agency Collaboration

●○○○○ Virgin 20:37 48%

< Tweet +

 **Dr Stephen Rashford**  
@QASMedDirector

Griffith Uni's @QldAmbulance full motion ambulance simulator will be an amazing asset for sim training. Looking forward to joint training.



3/7/17, 19:54



# Developing Countries



Caption this location .....





Does anyone know where the Maldives is?

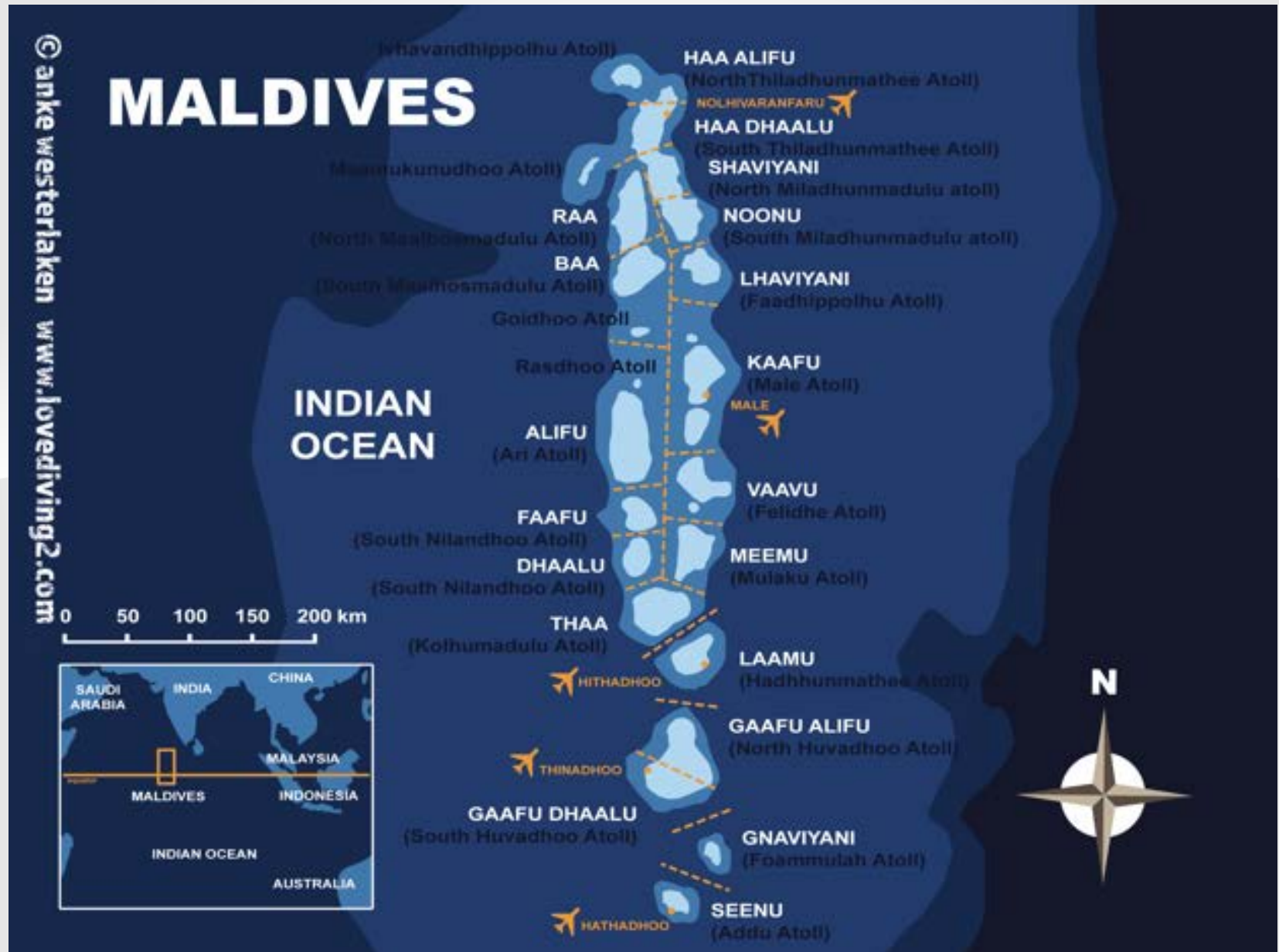




# Capital City – Male' Republic of the Maldives



# Distance and Response

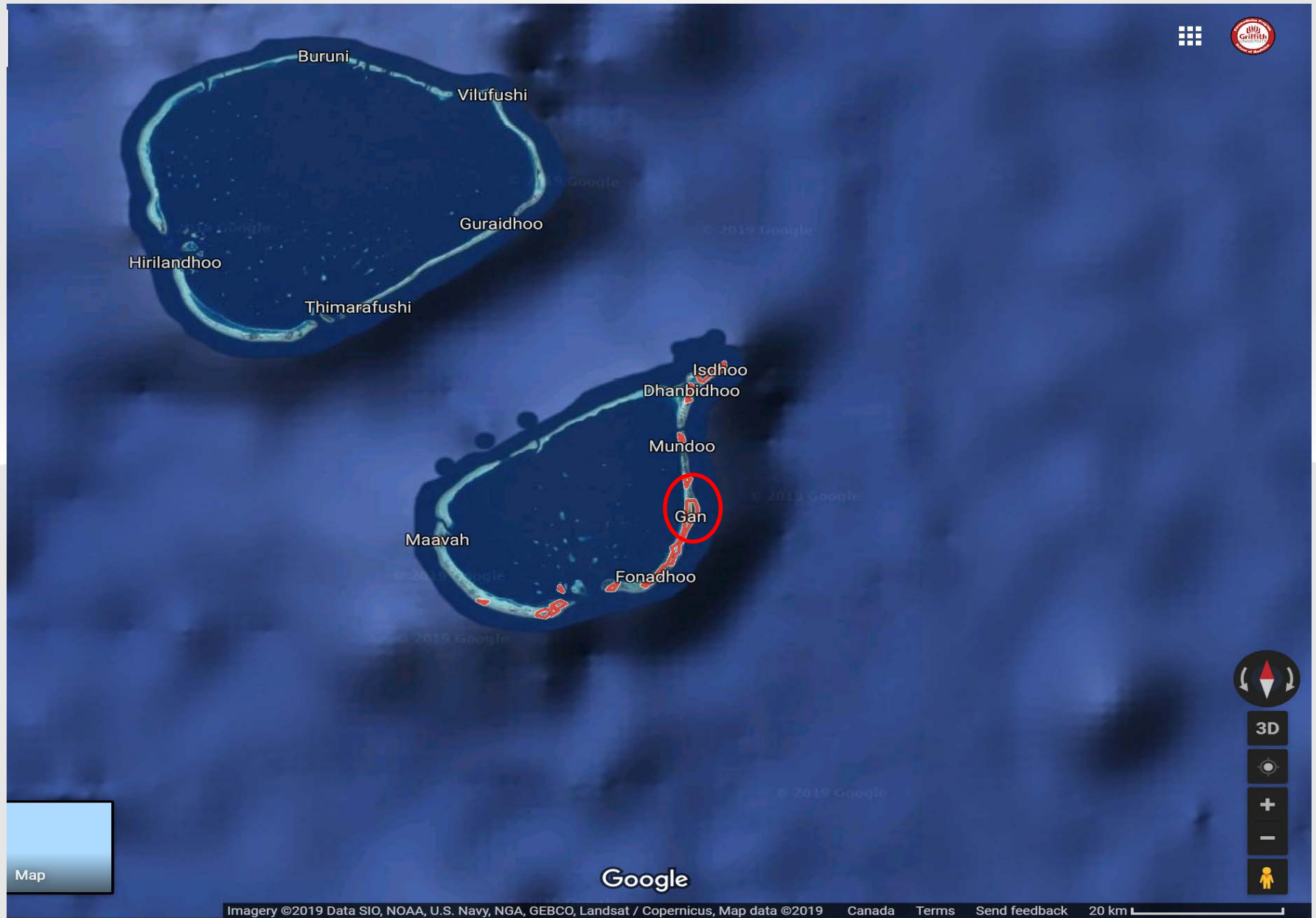




# Water Response



# Time vs Treatment



# Defining Paramedicine





- Need to define Paramedicine, it's identity and articulate it's unique role in health and emergency services systems
- Entry to practice?
  - Polytechnic
  - Degree (undergraduate and post-graduate)
  - Conversion / Hybrid Development
- A patient-centered, evidence-informed, outcome-focused professional commitment to our practice
- Cost effective, sustainable solution
- Paramedicine being lead by Paramedics




# Defining Community Paramedicine

- Community paramedicine is a relatively new and evolving healthcare model. It allows paramedics to operate in expanded roles by assisting with public health and primary healthcare and preventive services to underserved populations in the community. The goal is to improve access to care and avoid duplicating existing services.
- Community paramedicine is an innovative approach to the delivery of health care services by paramedics that allows them to use their training and expertise in community-based, non-emergency care roles. Community Paramedic (CP) programs have been successfully implemented in other Canadian provinces and in countries such as the US, UK, New Zealand and Australia.


# Defining an Education Portal

**Paramedic Education Program**

**Duncan McConnell**





Dashboard

Search courses

**Patient Handover**

## Welcome to the Maldives Paramedic Education Program Learning Gateway

This Learning Gateway has been development via an International Collaboration between



A Learning Management System for the Australian Short Course Award "Paramedic Skills Development"

The purpose of this site is to help develop your knowledge and understanding of practical paramedic skills you can then implement back into your community. It will also serve at a future development portal for ongoing professional

**Navigation**

- Dashboard
  - Site home
  - Site pages
- My courses
  - Course Site Help Videos
  - Introduction
  - Emergency Medical Systems
  - Medical Legal and Ethical Issues
  - Documentation as a Paramedic
  - Communication Skills of the Paramedic
  - Patient Assessment
  - Medical Emergencies
  - Environmental Emergencies
  - Submersion Incidents - Drowning and Diving Emergen...
  - Resuscitation Guidelines
  - Shade

# Developing an Ambulance Framework

- Clinical / Corporate Governance
- Structure / Command and Control
- Education / Professional Development
- Accreditation
- Clinical Levels
  - Driver
  - Primary Care Paramedic (PCP)
  - Advanced Care Paramedic
  - Community Paramedic
  - Flight Paramedic
- Education Design
  - Driver
    - Polytechnic Level
  - Primary Care Paramedic
    - Polytechnic Level
  - Advanced Care Paramedic
    - Undergraduate Degree Level
  - Community Paramedic
    - Post Graduate Degree Level
  - Flight / Critical Care Paramedic
    - Post Graduate Degree Level



# Community Paramedic Development

- Single year, intensive Graduate Diploma
- Selecting the right applicants:
  - Register Nurses
  - Primary Care Works
- Right to dispense medication
- Wound management
- Ultrasound
- Telemedicine
- Extending the reach of current Atoll Health Services
- University Based Education / Training Program
- International Accreditation



# Other Models



- Mongolia uses a physician based prehospital approach
  - Medical Graduates – straight into an ambulance service
  - Paid \$10 USD a shift
  - Shifts are 24 hours long
  - Average Pay \$400 USD a month
- Introducing two Modules
  - Medical Doctors trained in prehospital education / prehospital practitioner
  - Introducing Paramedics via a Registered Nurse Conversion Post Graduate Diploma
  - Introducing an Undergraduate Paramedic Program
  - Formalising an Primary Care Paramedic (PCP) Program for Ambulance Driver upgrading

Questions?





# Contact Details



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