

Pragmatic Solutions for prehospital care;

what is the difference between high income
and low-to-middle income countries?

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Disclaimer

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



A little about me....

- Experienced Director and Senior Manager within Ambulance/Paramedicine
- Experience University Program Director and Senior Lecturer
 - Undergraduate and Postgraduate
- Masters of Paramedic Practitioner
- Board Director (International) International College of Advanced Paramedic Practice (I-CAPP)



- President – Australian Institute of Paramedic Practitioners (AIPP)
- Completing my PhD with Griffith University, QLD, Australia

For fun – Motorsport Australia Paramedic / Parent



A little about me....

- This is my pet snake Noodle.
- He is an Australian Stimson Python found in Western Australia.
- He will grow to about 1 meter
- In the same snake family as Children's Python, but doesn't get as large
- Very peaceful & placid snake
- Noodle is a great study buddy and enjoys going to work too



McConnell, D. 2019 "A high-impact approach to death & dying", Journal of Paramedic Practice, 11:5, pp216-218.



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01

Ask more
questions

Asking more questions



- So what is paramedicine?
- What do / what can paramedics do?

Clarifying your answers in pictures



Image from Victorinox Swiss Champ XXL



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What does the world think paramedicine is?

Williams et al 2021 says: *“Paramedicine is a domain of practice and health profession that specialises across a range of settings including, but not limited to, emergency and primary care.”*

Oxford Dictionary says: *“A branch of medicine dealing with emergency medical care given to people who are injured or ill, typically in a setting outside of a hospital.”*



If you haven't reviewed Williams et al., 2021 article *“The Definition of Paramedicine: An International Delphi Study,”* use this QR code to take you to it.”

Quick definitions for today

Ambulance Models of Care

For the purpose of today, given our time constraints, I will be focusing on the two main ambulance models in use today. I do acknowledge there are others, but that's a different presentation for another day.

Franco-German Ambulance Model (FGAM) – Primarily physician led, some locations Nurse plus a driver. Responds from a hospital or health facility. Very common in Low-to-Middle Income countries, with some locations not even acknowledging emergency medicine as a speciality.

Anglo-American Ambulance Model (AAAM) – Based around a team of trained emergency responders, across multiple levels accredited / registered levels of care. Plays a significant part within a countries healthcare system, where emergency medicine is recognised as a key part of the overall healthcare system.





02

High Income Countries

High Income Countries *at a glance*



- Examples (AAAM)
 - Australia
 - Canada
 - USA
 - United Kingdom
 - New Zealand
 - South Korea



High Income Countries



- Challenges (AAAM)
 - Unions
 - Changes to National Laws
 - Staffing
 - Patient Flow
 - Ambulance Deserts
 - Recognition
 - Is this model still accurate?



High Income Countries



- Solutions (AAAM)
 - Mobile Integrated Healthcare (MIH)
 - Unions – Micro Battles
 - Service Delivery
 - Advocation / Unite
 - Open your hearts



High Income Countries



- Talking Point (AAAM)
 - Is this model still accurate?
 - Makridges, T. et al., 2023
 - *No two systems are the same:
Paramedic perceptions of a
contemporary system
performance using prehospital
quality indicators*





03

Low-to-Middle
Income Countries

Low-to-Middle Income Countries

at a glance



- Examples (FGAM)
 - Mongolia
 - Maldives
 - Vietnam
 - Indonesia
 - Cambodia



Low-to-Middle Income Countries

at a glance



- Challenges (FGAM)
 - Trust
 - Access to Services
 - Qualifications of providers
 - Health Law / Government Services
 - Recognition
 - Financial - *is it worth it!*



Low-to-Middle Income Countries

at a glance



- Solutions (FGAM)
 - World Health Assembly Resolution 72.16
 - Provides the Why
 - Partnerships / Delegations
 - Research
 - Transferrable methods
 - Superheros need not apply



Low-to-Middle Income Countries

at a glance



- Talking points (FGAM)
 - Hirner et al., 2023
 - Defining measures of emergency care access in LMIC; a scoping review
 - Current Projects





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Questions?

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