In-Situ Simulation in an Island General Hospital
Benefits of Developing Skills Together

Dr Dean O'Dwyer [1], Jane Astles [2], Daniel Mainland [3]

Introduction

Emergency Care delivery in remote and rural areas can be **challenging**

- Low volume but high stakes presentations
- Complex care with few specialist resources
- Clinicians must work across traditional professional boundaries
- Long and complex transfer time to specialist care centres

It is essential that the rural multi-disciplinary team builds skills together to ensure effective care in difficult situations

These challenges have led to the development of **multi-disciplinary in-situ simulation**

The purpose

To support the clinical team at the Scottish Ambulance Service and the Gilbert Bain Hospital to deliver effective and high-quality trauma care under the auspices of the North of Scotland Trauma Network

Method

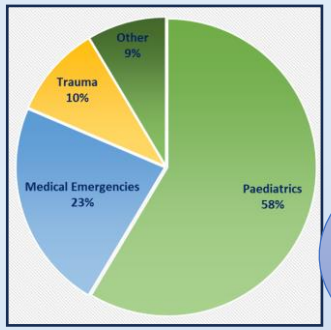
Qualitative interviews with staff to identify which clinical presentations worried them the most

> We do have occasions when I wonder – where is that protocol or that piece of kit

In-situ simulation syllabus was developed

In-situ simulation simulations were then run once weekly in the Emergency Department

Staff were re-interviewed, and scenarios were adapted, and simulation format was developed



Results

A multi-disciplinary faculty was formed, and weekly simulation programme developed

- When: Every Thursday morning
- Where: Emergency Department
- Format: 20 min scenario & 10 min debrief
- Who: Extended clinical team welcome

> It's something we don't see often but can absolutely happen

> Now I know where the protocol is

> Really pulls the team together

Conclusions

- Vital to the rural hospital by ensuring teams work together
- Improves preparation, coordination and skills of MDT healthcare teams
- Integration of new protocols & technology
- Patient safety & quality management

The confidence of the clinical teams dealing with the emergency presentation, including major trauma has grown by embedding in-situ sim into the working week

References

Lewis et al. Is high fidelity simulation the most effective method for the development of non-technical skills in nursing? A review of the current evidence.

Rosen et al. In situ simulation in continuing education for the health care professions: a systematic review.

[1] Clinical Development Fellow, Gilbert Bain Hospital [2] Advance Nurse Practitioner, Gilbert Bain Hospital [3] Paramedic, Scottish Ambulance Service