



Road Traffic Collision Simulation Training

The evolution of a unique experience in medical education

C4ME All Staff Development Day | Fostering connections to maximize potential | Dr. Timothy Johnson and Dr. Alice Lethbridge | Monday 8th July 2024



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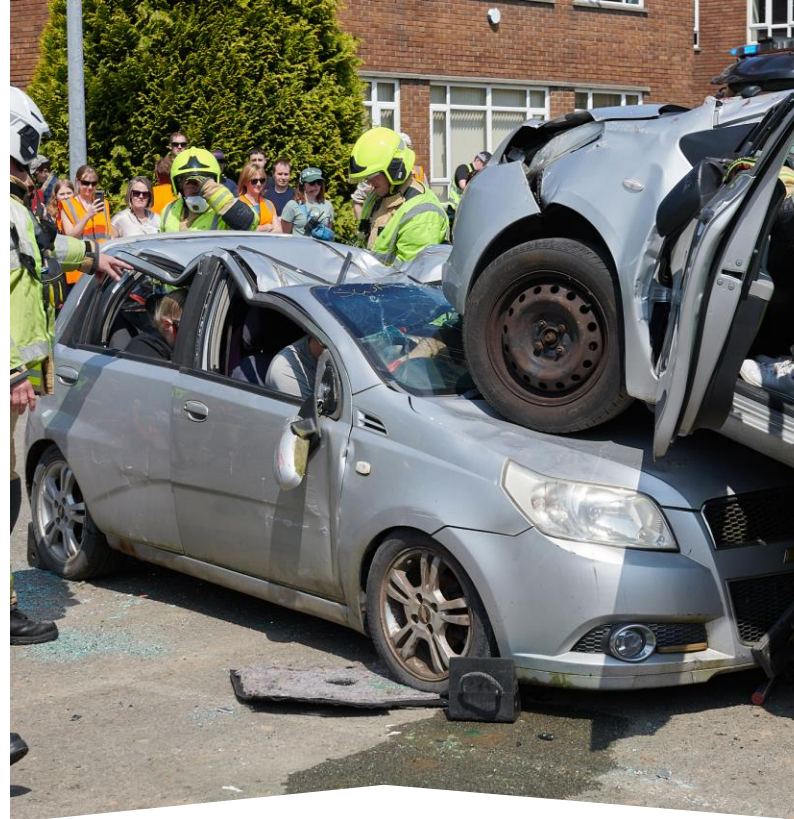


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Video

<https://www.youtube.com/watch?app=desktop&v=24XhjaDcjwo>



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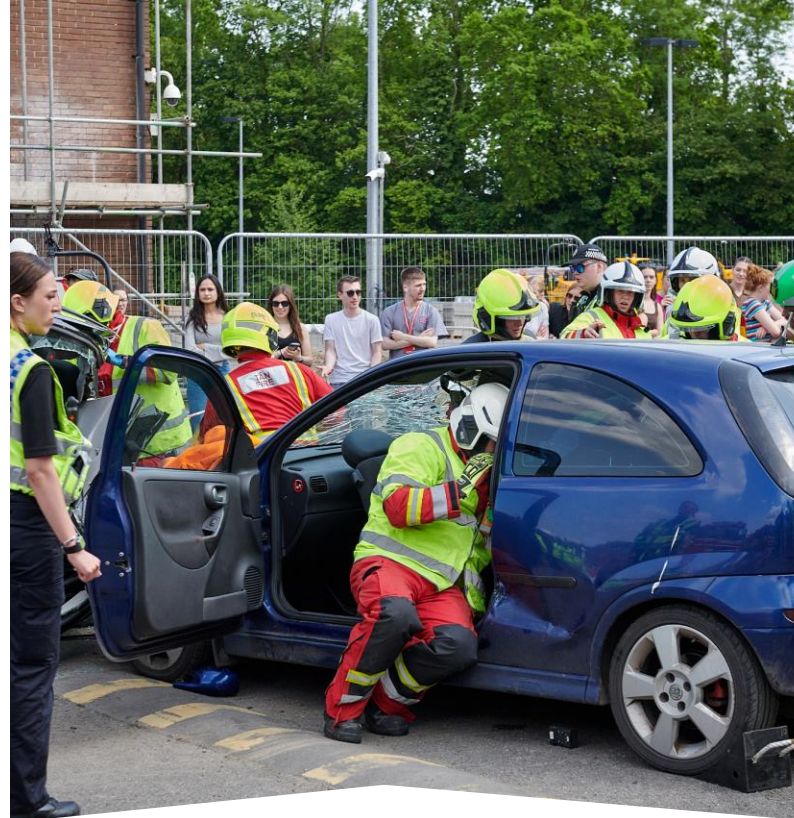


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What has happened so far?

Our evolution



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Our evolution

Origins

2014



- C21 curriculum begins (2013).
- Year 2 Rural Health Day, Brecon.
- Dr. Francis Gerrard (2014 onwards).

Evolution

2014 - 2021



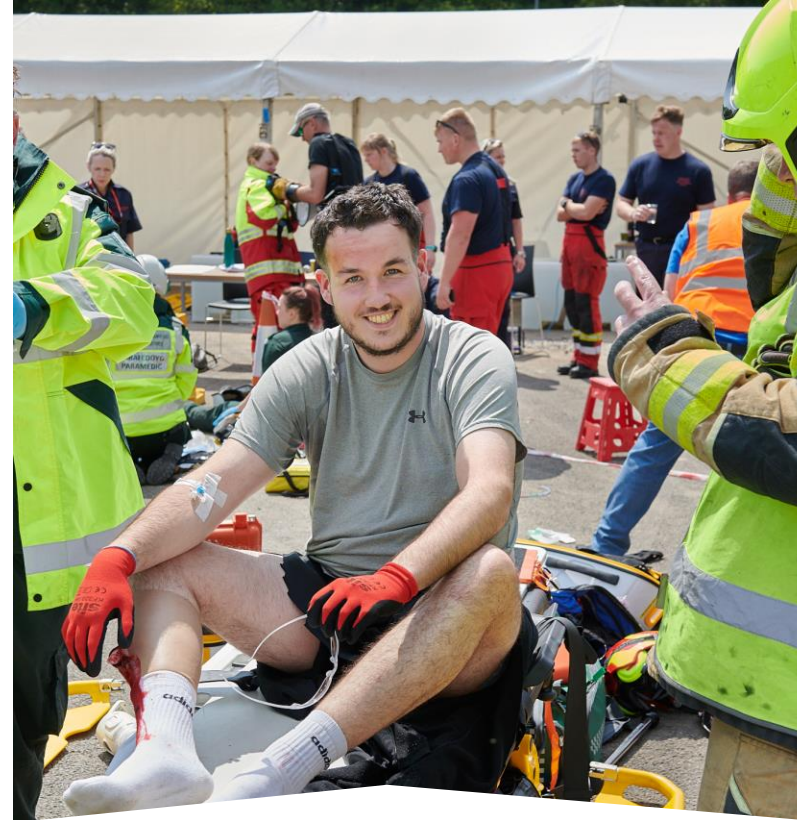
- 'Case 17' introduced with a focus on acute illness.
- Covid.
- Filming of RTC in 2021 for event to be delivered as webinar.

Present day

2022



- RTC Simulation at Heath Park West (2022).
- Live multi-agency simulation training event.



How does (RTC) Simulation training foster connections and maximise potential?



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People



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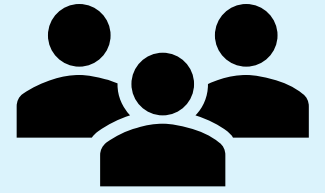


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110 Staff

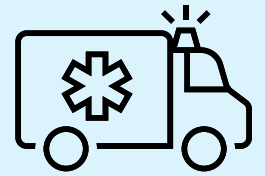
345+ Students



- 300 MBBCh students
- 45 Adult Nursing Students
- 45+ staff from School of Medicine & School of Healthcare
- Film Crews (x10)
- GMC Representatives (x2)



Multi-agency team



South Wales Fire and Rescue Service

Richie Matthews, Roger Magan, George Fisher



South Wales Police

Inspector Michael Prickett, Sergeant Clare Davies



Welsh Ambulance Service Trust

Will Hedges



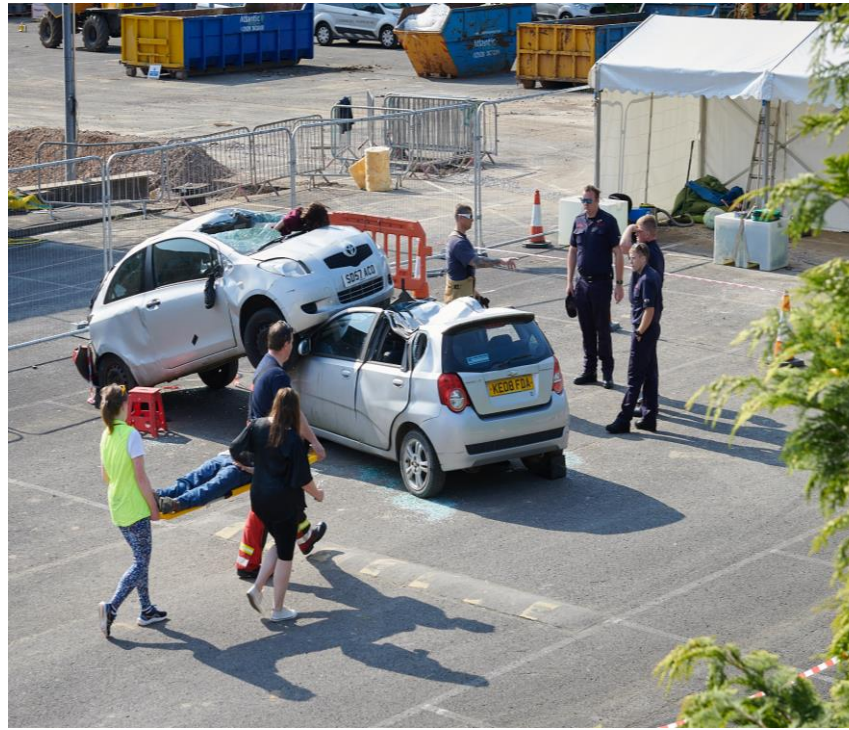
MEDSERVE Cymru

Morrison Hospital/Fire and Rescue Service/Medserve Wales/School of Medicine, Cardiff University

Dr Beth Barton

Teams

- Equipment and Portering
- Communications
- First aid
- Food and Catering
- IT
- Marshalling
- Media
- Moulage
- Parking and Estates
- Registration
- Road Safety
- Safety
- Student and Staff briefing
- Video and Audio



Milestones



General
Medical
Council



2022

- **GMC Visit** – ‘Overall, we found the simulation event to be a good demonstration of how Cardiff Medical School meets our standard’
- **HIVE** and **Wales Virtual Hospital** - 360° recording footage used in simulation
- Media Team – Audio and video streaming of event to YouTube
- **School of Healthcare Sciences** – Adult Nursing Programme involvement
- SIMBodies

2023

- **British Trauma Society** Conference - Oral presentation
- **Faculty of Pre-hospital Care** Conference - Poster presentation

2024+

- Event Wifi
- Psychological preparedness pre-event briefing for casualty volunteers
- **Road Safety Team** Display
- School of Healthcare Sciences – MSc Advanced Care Practise – Discussion to continue patient journey
- **United Kingdom Rescue Organisation (UKRO)** – Emergency Services Show - NEC Arena



How can RTC training continue to foster connections and maximise potential?

Future opportunities



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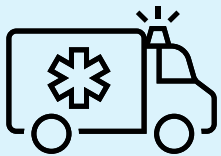
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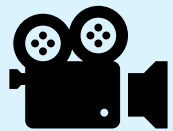
Foster interprofessional learning, training and development for staff and students.



Continue the patient journey



Contribute to academic research



Provide an excellent learning experience, using innovative digital technologies.





Where you come in!

How to get involved



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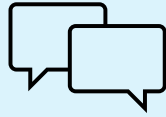


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Save the date

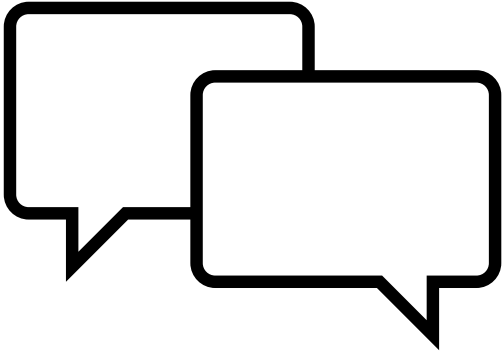
Monday 19th May 2025



We would welcome all expressions of interest to support this event, and for personal and professional development. Please contact your line manager to discuss.



Bystander intervention has huge potential to influence patient outcomes at the scene of a road traffic collision.



Alessia Mahoney 4th Year Medical Student

‘When I was in second year, I attended the road traffic accident session. Little did I know that merely six months later, I would find myself unexpectedly to be one of the first present at the scene of a car accident.

Fortunately, the knowledge and skills gained from that session proved invaluable, equipping me with a better understanding of what actions to take as a first responder. You would be overwhelmed by how much you retain. I am immensely grateful. Thank you all!’



Thank you for listening

What are your questions?

Scan the QR code to express your interest in participating and/or ideas for our next event.



<https://forms.office.com/e/1JXmqRAjqa>



With thanks to Dr. Tim Johnson, the C4ME team, Cardiff University and our multi-agency partners for their support and contributions to this event and presentation.



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