

# OPTIMISING OUTCOMES... THE CHAIN OF SURVIVAL

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**Making Roads Safer**





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[www.post-collision.com](http://www.post-collision.com)

# The Problem

- Leading cause of death 5-29 years of age
- 1.3 million people around the world each year
- 20 and 50 million people with non-fatal injuries
- Common and rising cause of major injury and death UK

*“50% of deaths from road traffic collisions occur within minutes at the scene or in transit and before arrival at hospital. For those patients who are taken to hospital, 15% of deaths occur within the first 4 hours after the crash....*

*EUROPEAN COMMISSION, MOBILITY AND SAFETY GROUP, 2022*



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# Understanding Injury

Kinematics : Safety Systems : Tissue Tolerance



# EXIT

POST COLLISION RESPONSE RESEARCH & TRANSLATION



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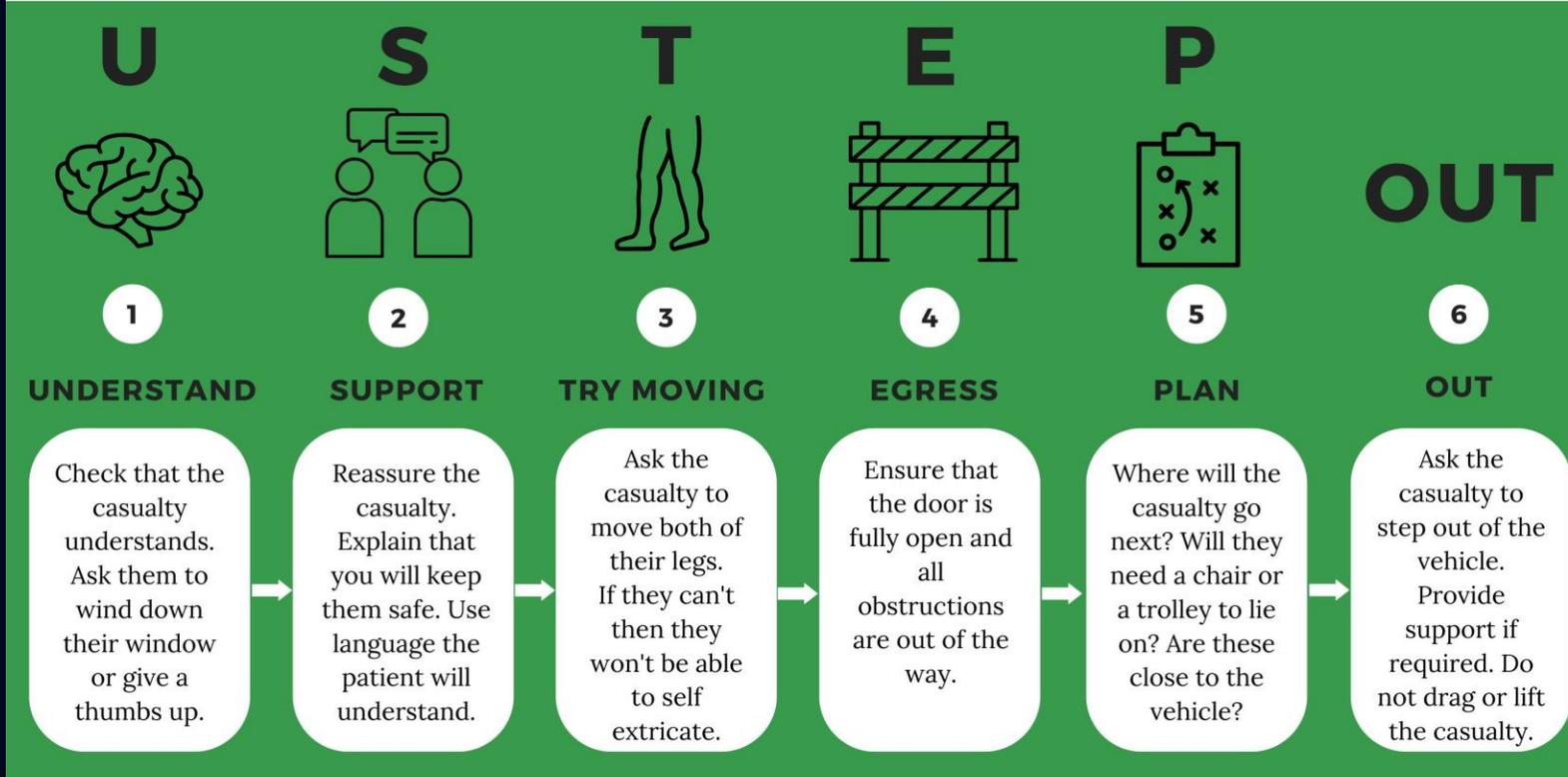


- 15-40% trapped
- More likely to die
- Low rate of spinal cord injury
- The "slow and steady" approach doesn't work

# Self-extrication

U-STEP OUT, A HOW-TO GUIDE

**STOP: DOES THIS CASUALTY NEED A SNATCH RESCUE**



[WWW.THEEXITPROJECT.CO.UK](http://WWW.THEEXITPROJECT.CO.UK)



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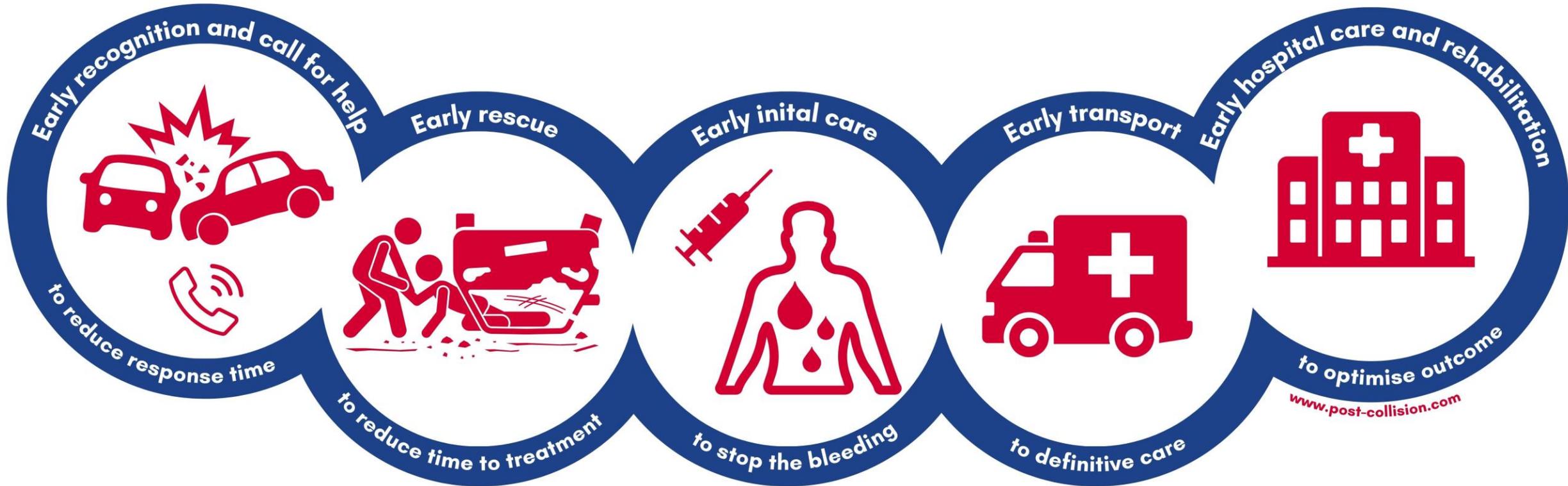


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## POST-CRASH





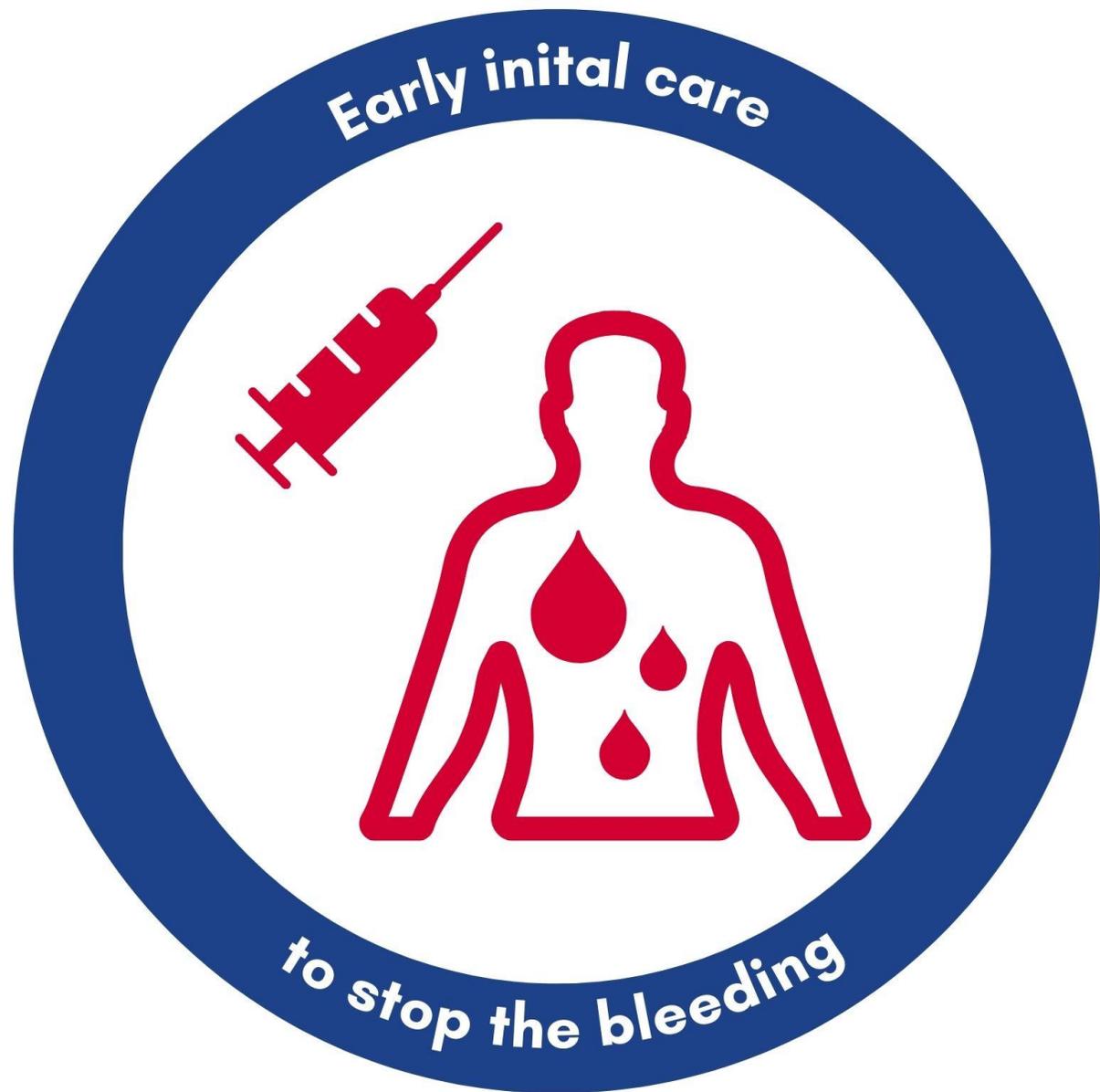
- Recognition an accident has occurred
- Starting the chain of survival
- The perfect 999 call
- Early 'triage'

Early rescue



to reduce time to treatment

- Self and assisted extrication
- Moving to a place of safety
- Minimising entrapment time



- Lay / bystander / professional
- Clinician
- Basics done well (specifics)
- Non-compressible haemorrhage

Early transport



to definitive care

- To the right place
- EMS (in this country)



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- Resuscitation / Damage control surgery
- Rehabilitation
- Physical and psychological optimisation



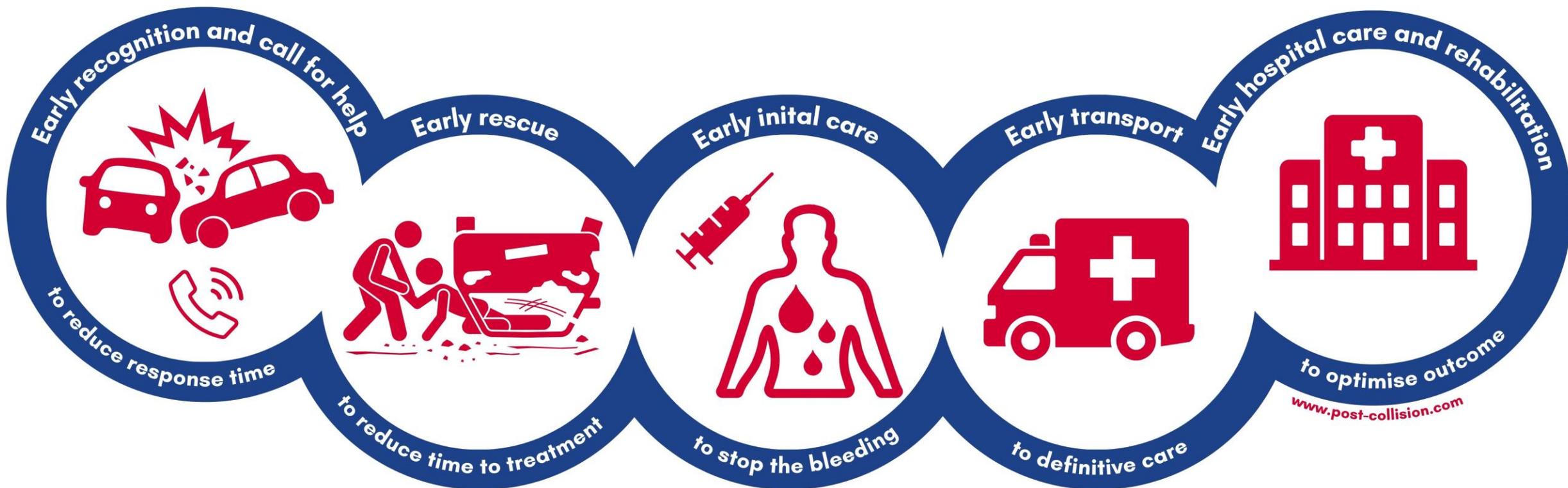
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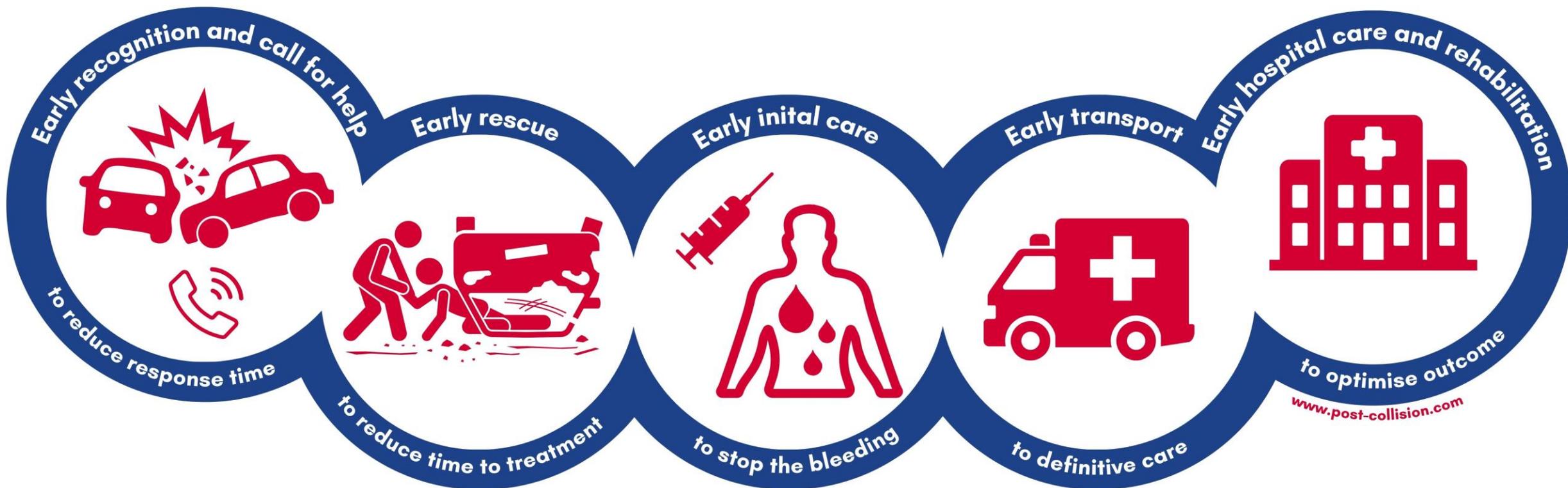


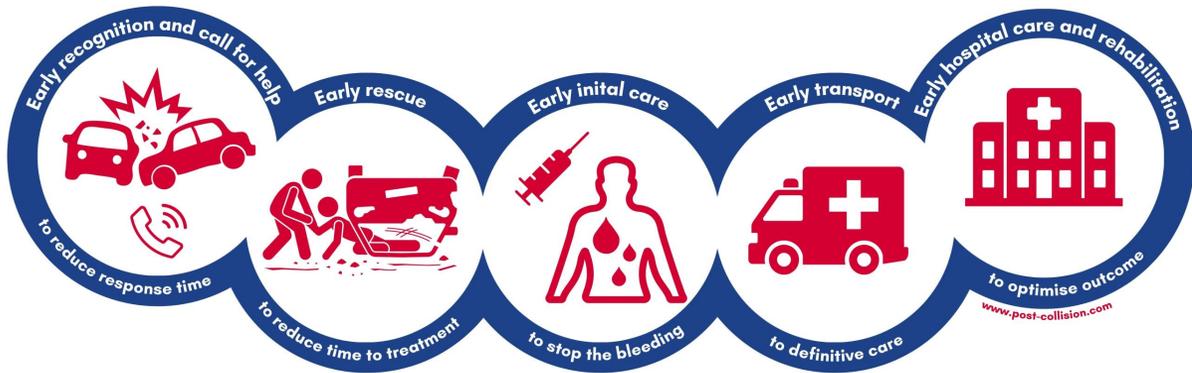
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**THANK YOU!**

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