

## PRE-HOSPITAL PROVIDER COMPETENCIES

4	OF SURGEONS OF EDINBURGH	Level of care provider							
	Skillset	Α	В	С	D	Е	F	G	Н
	Pass in BLS + AED	х	х	х	х	х	х	х	х
	Pass in ALS							x	x
Safety	Wear correct PPE for incident	X	X	X	X	X	X	X	X
	Demonstrate understanding of scene safety and casualty safety  Perform dynamic risk assessment of scene and casualty safety	х	х	x x	x x	x x	x x	x x	X X
	Understand and apply the HAZMAT code						x	x	x
	Communicate effectively with Emergency Services	х	х	х	x	х	х	x	х
Scene	Basic knowledge of the capabilities of different Emergency Services Personnel			х	x	х	х	x	х
	Ability to use appropriate radio communications				x x	x	x x	X	X
	Appropriate Awareness of high risk mechanisms of injury Awareness of triage	x	X X	x x	x	x x	x	X X	x x
	Competence in triage sieve				x	x	x	x	x
	Competence in triage sort & management skills for multiple casualties								х
	Ability to make decisions on casualty dispersal								х
	Ability to incident command								X
	Demonstrate forensic awareness Awareness of simple consent issues	×	×	х	X X	X X	X X	X X	X X
	Recognise life-threatening haemorrhage	X X	x x	x	x x	x x	x	x x	x
Bleed	Understand a stepwise approach to managing a catastrophic limb bleed	х	х	х	х	х	х	х	х
	Appropriately manage catastrophic junctional bleed			х	х	х	х	х	х
	Able to apply direct pressure	х	х	х	X	X	X	X	X
	Competent application of tourniquet Competent in use of haemostatic / packing				X	X	X	X	x
	Appreciate MOI high risk for spinal injury	x	x	х	X X	X X	X X	X X	x x
-	MILS		х	x	х	x	x	х	х
	Appropriate C-spine management			x	x	x	х	x	х
	Inspect and clear airway	х	x	x	x	х	x	х	x
	Head tilt chin lift + neutral alignment  Jaw thrust	х	х	x x	x x	x x	x x	x	X
	Postural airway management	×	х	x	X	x	x	X X	X X
	Use of suction				x	x	x	x	x
	Size and insert appropriate simple airway adjunct			х	х	х	х	х	х
	Size and insert supraglottic airway device						х	х	х
	PALM  Perform surgical aircray								x
	Perform surgical airway Perform needle cricothyroidotomy in children							х	x x
	Endotracheal tube insertion							x	x
	Competent to RSI assist								x
	Identify if patient is breathing normally	x	x	x	x	х	x	x	x
	Correctly assess breathing rate, depth and quality			X	X	X	X	х	х
	Perform basic chest examination  Identify life-threatening chest conditions			x x	x x	x x	x x	x x	x x
	of tension pneumothorax			_ ^	_ ^	^		x	X X
-	Finger thoracostomy								x
	Needle decompression							х	х
	Chest drain insertion								х
Management o	of Penetrating chest wound								
Management o	Application and management of appropriate chest seals				х	х	х	х	х
	Splintage of flail chest in a responsive patient				х	х	х	х	х
	Appropriate pain management to assist ventilation				х	х	х	х	х
	of cardiac tamponade								
	Thoracostomy of massive haemothorax								х
-	Competent management of massive haemothorax								х
Administration									
	Safely configure an Oxygen system for use			х	х	х	х	х	х
	Free-flow oxygen (+ correct mask choice)			x	х	x	х	х	x
	Understanding of limitations of pulse oximetry, use if appropriate Ability to monitor & react to end tidal CO2			х	х	х	x	x	X
	Ability to monitor & react to end tidal CO2  Nebulisation					х	x x	x x	x x
	Oxygen delivery via Bag-valve-mask as a two person technique				х	x	x	x	x
	Oxygen delivery via mechanical ventilator (PPR) if available								х
	Use of expired air ventilation using adjuncts where appropriate	х	х	х	х	х	х	х	х
	Assess presence of circulation  Measure pulse rate and rhythm	х	х	x x	X X	x x	x x	x x	x x
	Assess blood pressure			^	^	^	x	X X	x
	Measure capillary refill time			х	х	х	x	x	X
	Assessment of heart sounds							х	х
	Use of pre-hospital imaging techniques								х
	Assessment of blood loss orrhage control			х	х	х	х	х	х
	orrnage control  Apply direct pressure	×	х	х	х	х	х	х	х
	Elevation of limb where appropriate	x	x	x	x	x	x	x	X
	Wound packing	х	х	х	х	х	х	х	х
	Wound closure								X
	Splintage as a haemorrhage control method				X	x	X	X	X
	Use of haemostatic agents Application of windlass				X X	X X	X X	X X	x x
	Use of appropriate medication for haemorrhage control							x	x
					х	х	х	х	х
	Application of pelvic splintage						х	х	х
	Use of traction devices								
	Use of traction devices Attain intravascular access (IV/IO)							х	х
	Use of traction devices Attain intravascular access (IV/IO) Administration of appropriate IV fluids							X X	х
	Use of traction devices Attain intravascular access (IV/IO) Administration of appropriate IV fluids Ability to administer blood products (if available and appropriate)	¥	×	x	×	x	Y	х	x x
	Use of traction devices Attain intravascular access (IV/IO) Administration of appropriate IV fluids	х	х	x	х	х	x x		х
	Use of traction devices Attain intravascular access (IV/IO) Administration of appropriate IV fluids Ability to administer blood products (if available and appropriate) Application of appropriate wound dressings Ability to perform a twelve lead ECG Ability to interpret a twelve lead ECG			x	x	х		x x x	x x x
	Use of traction devices Attain intravascular access (IV/IO) Administration of appropriate IV fluids Ability to administer blood products (if available and appropriate) Application of appropriate wound dressings Ability to perform a twelve lead ECG	x	x	x	x	x		x	x x x

	Assess PERL					х	x	х	х
	Identify indicators of underlying head injury			х	х	х	х	X	X
	Assessment of traumatic brain injury Perform a FASTest (acute stroke)	х	х	х	х	х	х	X X	X X
	Perform a more indepth neurological examination						-	х	x
	Assess neurovascular status				х	х	х	x	x
E	Assess Blood Glucose level with a glucometer						X	X	x
Exposure	Differentiate Cold from Hypothermia  Differentiate heat exhaustion from Heat stroke				X X	X X	x x	x	X X
	Recognise possibility of and prevent hypothermia		х	х	x	x	x	x	x
	Recognise possibility of and prevent hyperthermia		х	х	х	х	х	х	х
200000000000000000000000000000000000000	Assessment, treatment and casualty handling of patients exposed to extremes of temperature				x	x	х	x	x
Casualty	Appropriate packaging of patient for evacuation				X	X	X	х	х
handling	Assist with transfer of patient  Manage transfer of patient to appropriate evacuation device	х	х	х	x x	x x	x x	x x	x x
	Ability to medically assist and manage in safe extrication of a patient in an operational environment				x	x	x	x	x
	Ability to understand and make disposition decision				х	х	х	х	х
	Provide appropriate clinical handover to next echelon of care	x	х	х	х	х	x	x	x
	Casualty handling techniques Obstetrics		х	х	х	х	х	х	х
	Ability to carry out cABCDE appropriately in a pregnant woman				х	х	x	х	х
	Manage the complications of pregnancy						x	x	x
	Management of pregnancy-related bleeding and postpartum haemorrhage							х	х
	Manage a normal delivery						x	x	x
	Manage the common complications of delivery								X
	Aware of the complications of rescue packaging and transport  Paediatrics				х	х	х	х	х
	Ability to carry-out Basic Life Support protocols on a child and infant			х	х	х	х	х	х
	Ability to provide basic resuscitation to a neonate						x	x	x
	Knowledge of normal anatomy & physiology of a child					х	х	х	х
	Knowledge of the differences in triage parameters for children of different ages							x	x
	Manage common childhood emergencies  Mental health						х	х	х
	Awareness of simple mental health issues			х	х	х	х	х	х
	Awareness of issues around capacity			x	х	х	-	x	x
	Be able to understand and apply the current Mental Health Act							х	x
	Be able to understand and apply the current Mental Capacity Act							x	x
	Ability to perform a mental capacity assessment							x	х
	Ability to administer appropriate medication as necessary Understand the law regarding section 136 (or equivalent) and 'Place of Safety'						v	v	x
	Chemical and Thermal injury						х	X	х
	Ability to assess the extent and severity of thermal injury		х	х	х	х	х	х	х
	Understand immediate simple chemical and thermal burn management	x	х	x	x	х	x	x	x
	Recognise when specialist input is needed						x	x	x
	Recognise the risks of chemical agents and carry out appropriate actions		X	x x	X	X	x x	X	X
	Apply appropriate treatment and burns dressings  Competence in managing the severe complications of burns (i.e. escharotomy)		х	X	х	х	X	х	x x
	Recognition of potential for thermal injury to airway			х	х	х	х	x	x
	Musculoskeletal injuries								
	Make appropriate referral				x	х	x	x	x
	Ability to perform basic joint examinations				х	х	х	x	х
	Identification of dislocation								X
	Recognition of possible fracture  Recognition & appropriate initial treatment of soft tissue injury		X X	X X	X X	X X	x x	х	x x
	Realignment and splintage of fractures and splint dislocations where appropriate				x	x	x	x	x
	Awearness of methods of pain control	x	х	x	x	x	x	x	x
	Use of appropriate analgesia		х	х	х	х	x	x	x
	Management of open fractures according to current quality standards				x	x	x	x	х
	Drowning Recognition and management of unconscious drowned patient	х	х	х	х	х	х	х	х
	Recognition and management of conscious drowned patient				x	x	x	x	x
	Recognition of late complications of drowning				x	x	х	x	х
	Death								
	Identification of life extinct in exceptional circumstances						x	x	x
	Recognition of circumstances where life-extending action would be inappropriate  Understanding of formal process and the law in life extinct in routine pre-hospital practise						X X	X X	X X
	MEDICAL	I					х	x	х
	Ability to recognise common medical emergencies		х	х	х	х	х	х	х
	Ability to provide definitive treatment of certain medical conditions						х	х	х
D : :	Ability to definitively treat and discharge a patient at scene							х	х
Demonstrate	the immediate pre-hospital emergency management of the following acute medical presentation  Airway obstruction / choking / stridor	х	х	х	х	х	х	x	х
	Acute breathlessness	^		<u> </u>	x	x	x	x	X X
	Hypotension and shock						x	x	x
	Palpitation and cardaic arrhythmia							х	х
	Acute chest pain							х	х
	Acute headache						x	x	x
	Acute vomiting Acute abdominal / loin / scrotal pain						X X	x x	x x
	Acute abdominal / foin / scrotal pain Acute confusional state						X X	x	X X
	Collapse / transient loss of consciousness	х	х	х	х	х	x	x	x
	The unconscious patient	х	х	х	х	х	х	х	х
	Intoxication and poisoning						х	х	х
	The fitting patient		х	x	x	x x	x	X	X
	Acute allergic reaction  Acute non-traumatic neck / back pain			х	х	X	x x	X X	x x
	Sudden weakness / paralysis / abnormal sensation	х	х	х	х	х	x	x	x
	Acute visual disturbance / red eye						x	x	x
	Acute febrile illness						х	х	x
	Acute gastrointestinal haemorrhage						х	х	х
	Acute limb pain and/or swelling				v	v	x	x	x
	Acute rash Acute haemoptysis				х	х	x x	x x	x x
	Acute epistaxis		х	х	х	х	x	x	x
	Acute pain				х	х	х	x	x
	Acute thermal illness		х	х	х	х	х	х	х
Door!!!	Bites, strings and envenomation			х	х	х	х	х	х
	nd immediate management or appropriate referral for the following acutely presenting medical conditions								

Diabetic hypoglycaemia			х	х	х	Х	х
Diabetic hyperglycaemia					х	х	х
Stroke/TIA		х	х	х	х	х	х
Cardiac chest pain including myocardial Infarction and angina	х	х	х	х	х	х	х
Myocardial Infarction drug management, including analgesia					х	х	х
Direct referral to PCI for STEMI patients					х	х	х
IM adrenaline for Anaphylaxis		х	х	х	х	х	х
Toxicity and Poisoning		х	х	х	х	Х	х
Meningitis in adults and children			х	x	x	х	х
Sepsis					х	х	х
Hypothermia		х	х	х	х	х	х
Exposure/cold injuries			х	х	х	х	х
Heat exhaustion		х	х	х	х	х	х
Heat stroke			v	v	v	v	v

Annexe of Additional Skills some Level H providers may have:
Rapid Sequence Induction (RSI)
Thoracotomy
eFAST (Extended Focused Assessment with Sonography for Trauma)
Emergency Caesarean Section