

Guideline title	Chapter 1: Executive summary
Guideline objective	To provide a summary of evidence informed guidance for the
	prevention and management of cardiac arrest for all ages.
	To summarise key changes in Guidelines 2025 from previous ERC
	guidelines.
	To provide the description of the guideline development process and
	COI management
Intended audience	Laypersons, healthcare professionals, stakeholders, governments
Setting	Out of hospital cardiac arrest
	In hospital cardiac arrest
	Lower resource settings and remote areas
Writing group	Robert Greif, Gavin D Perkins, Jan-Thorsten Gräsner, Federico
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	Monsieurs

Section headings	Key Content and main changes
Epidemiology	Community response systems, IHCA
Systems Saving Lives	Low Resource Settings, New Technology, AI
Basic Life Support (adults)	Video assisted dispatch, drones
Advanced Life Support (adults)	Anticipatory charging, FONA, physiology guided CPR
Paediatric life support (BLS & ALS)	Post resuscitation care and post-discharge care
Newborn resuscitation and	Special Circumstances, Discontinuing/ Withholding
support of transition of infants at	
birth	
Special Circumstances	Sports, Drowning and Water rescue
Post Resuscitation Care	Investigating sudden unexplained CA, CA centres
Education	Education tailored for different providers, assessment
Ethics	Ethical challenges of bystanders and first responders
First Aid	Conditions that might lead to CA if first aid is not done

Guideline title	Chapter 2: Epidemiology in Resuscitation
Guideline objective	To summarise the evidence on the epidemiology and outcome
	of in and out of hospital cardiac arrest and to discuss differences
	in EMS organisation, community response and hospital systems
	among different countries.
	To provide recommendations about the development of cardiac
	arrest registries by health systems for measurement of patients'
	and systems' characteristics, improvement of the quality of care
	and the responses to cardiac arrest.



Intended audience	Laypersons, healthcare professionals, stakeholders,
	governments
Setting	Out of hospital cardiac arrest
	In hospital cardiac arrest
Writing group	Jan-Thorsten-Graesner, Enrico Baldi (Co-chairs), Jan Wnent
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Section headings	Key content / considerations
OHCA – incidence	To discuss about the incidence of OHCA in Europe in the context to
	the situation of the other part of the world
OHCA - characteristics	To evaluate the characteristics of the cardiac arrest, with an especial
and presenting rhythms	focus on the presenting rhythms, also evaluating eventual differences
	among different countries
OHCA - EMS	To evaluate differences concerning EMS organization in different
organisation	countries, looking especially to the different EMS response time
OHCA - Community	To evaluate the community response (i.e. bystanders and First
response	Responders) in the different European countries in an epidemiological
	shape highlighting also the differences among different contexts
OHCA – Outcome	To analyse the patients' outcome after an OHCA in the European
	countries, also in the context to the situation of the other part of the
OUCA Deadiataia	World
OHCA – Paediatric	incidence and the outcome
population	
IHCA – Incidence	To evaluate the incidence of IHCA in the European countries
IHCA - Response	To discuss about the system configuration to detect critical illness and
organization	to respond to an IHCA, also looking to the response times
IHCA – Outcome	To evaluate the outcome after an IHCA taking into account the
	different patients' characteristics and ILCOR Ten-Steps for IHCA
Long-term survival and	To look at the different reporting systems for outcome and patients'
return to society -	recovery after a cardiac arrest
Measurement of	
outcome and recovery	
Long-term survival and	To evaluate the different pathways in European countries for patients'
return to society -	rehabilitation after a cardiac arrest with a special focus to the return
Rehabilitation and	to society
return to society	
Genetic variants in	To explore the impact of genetic and epigenetic factors in the
cardiac arrest patients	predisposition of patients to cardiac arrest
Low Resource Settings	Evidence on epidemiology the lower-resource setting on
and Remote Areas	resuscitation success and activities. Addresses the challenges
	and strategies for cardiac arrest response in areas with limited
	resources or in remote areas.



Guideline title	Chapter 3 : Systems Saving Lives
Guideline objective	To guide governments, managers of health and education
	systems, healthcare professionals, teachers, students, survivors
	communities and the general population on the evidence and
	best practices that improve survival and outcome in patients
	who have a cardiac arrest.
Intended audience	Interested and/or involved in resuscitation implementation
Setting	Communities, In-Hospital and Out-of-Hospital
Writing group	Federico Semeraro, Sebastian Schnaubelt (Co-chairs), Theresa
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Section headings	Key content / considerations
Chain of Survival & the	Description of the traditional chain of survival and revised
Formula of Survival	representation. Discusses the critical steps and strategies
	needed to increase the survival rate from cardiac arrest.
Measuring the	The evidence available to improve survival is based on the
Performance of	quality indicators and cardiac arrest management models.
Resuscitation Systems	Focuses on evaluating how effective resuscitation systems are in
	saving lives (e.g. dashboard, data registry to improve survival).
EMS Organization in	Look at how Emergency Medical Services are structured and
Response to Cardiac	operate during cardiac arrest (e.g. Role of dispatcher, Dispatch-
Arrest	assisted CPR, Dispatch-assisted chest compression-only CPR
	compared with standard CPR, etc.).
First Responders	Highlights the role and importance of the initial responders to a
	cardiac arrest (e.g. FRs community, engagement, apps).
Awareness Campaign	Evidence available on awareness of the community with the
to Promote CPR	activities of the ERC campaigns. Describes efforts to increase
	public knowledge and skills in CPR (e.g. ERHD, WRAH, UEFA,
	EFA, etc.)
Advocacy and Survivors	Evidence available on advocacy. Focuses on advocacy for better
	cardiac arrest management and the experiences of those who
	have survived cardiac arrest (e.g. advocacy and laws at EU
	levels, survivors' community and awareness).
Kids Save Lives (KSL)	The evidence available on awareness in Europe and outside
	Europe with the activities of the KSL campaign. The
	schoolchildren training about CPR and first aid techniques (e.g.
	Europe map, experiences in Europe, ILCOR narrative review).
Low Resource Settings	Evidence on activities in the lower-resource setting to improve
and Remote Areas	survival. Addresses the challenges and strategies for cardiac
	arrest response in areas with limited resources (e.g. ILCOR
	review and collaboration with other LR scientific societies, etc.).



Rapid Response	The evidence available on the implementation of NEWS, RRS
Systems and In-	and MET to improve survival. Explores the systems in place
Hospital Cardiac Arrest	within hospitals to quickly respond to cardiac arrests that occur
	within their facilities. (e.g. NEWS and ILCOR In-hospital
	publication, etc.).
Cardiac arrest centres	Evidence on CAC dedicated to the treatment and management
	of cardiac arrest patients (e.g. update about CAC, ILCOR, joint
	statement with other scientific societies, etc.).
Social media	Evidence on social media's role in improving science and survival
	communication. Looks at how social media platforms are used
	in the context of cardiac arrest awareness and response (e.g.
	experience with the use of SoMe, the good communication of
	science and education with SoMe, etc.).
New Technology and	Evidence on the new technologies to survival. Examines the
Artificial Intelligence	emerging role of technology and AI in improving responses to
	cardiac arrest and resuscitation efforts (e.g., wearable devices,
	big data, wide monitoring, AI, etc.).

Guideline title	Chapter 4: Basic Life Support (adult)
Guideline objective	To provide evidence informed guidance for members of the
	public on the initial stages of resuscitation before advanced
	support is started
Intended audience	Lay persons, first responders
	Health care professionals
	Basic life support and AED trainers / instructors
Setting	Out of hospital cardiac arrest
Writing group	Mike Smyth, Sander van Goor (co-chair), Giuseppe Ristagno,
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Section headings	Key content / considerations
Adult BLS sequence	Summary algorithm
Cardiac arrest recognition	How to recognize cardiac arrest; how to open the airway; Unconscious and not breathing normally, agonal breathing; Convulsions and confusion with epileptic seizure
Alert emergency services	How to summon help; Prioritization of initial tasks; Single emergency number; using smartphone in hands free mode
Role of dispatcher	Dispatcher recognition CA; Video assisted dispatch; Dispatcher assisted CPR; Dispatch of lay responders; Dispatch of AEDs; Using AI to improve recognition
Chest compressions	How to deliver chest compressions



Guidelines 2025

	(position of rescuer, hand position, rate, depth, duty cycle, recoil,
	alternating rescuer)
	CPR feedback technology including smartphones and watches
Rescue breaths	How to assess; How to manage the airway; How and when to do
	rescue breathing; compression ventilation ratio
AED	What is an AED; Evidence on outcome; How to find an AED including
	smartphone apps; How and when to use an AED; Where to place
	AEDs?; role of drones in AED delivery.
	Intervals/timing; Compressions before defibrillation Fully automated
	AED; Safety of AEDs; AED signage; Limited information on in-hospital
	AED use; shaving the chest; pad size; emphasis on correct
	placement/positioning of pads
CPR quality measurement	Importance of measuring rate, depth, recoil, pauses for quality of care
	and outcome. Role of smart technology (phones/watches etc.)
Safety	Risk to lay responders (fatigue, risk of defibrillation, disease
	transmission, psychological); Risk to person receiving CPR (persons in
	arrest and persons NOT in arrest); welfare of responders; welfare of
	bystanders; ethical challenges.
Foreign body airway	Recognition and treatment, (both for responsive and unresponsive
obstruction	persons) including: Backslaps; Abdominal Thrusts; Chest
	compressions; Use of suction and other devices intended to manage
	airway obstruction
Extended scope for	Supraglottic airways
individuals with a duty to	Bag valve mask ventilation and ventilation feedback devices
respond (firefighters, life	Mechanical CPR devices
guards etc)	Vector change
	Naloxone
Low Resource Settings	Advice (maybe good practice statement) on implementation,
and Remote Areas	response and practice of BLS in lower-resource setting.
	Addresses the challenges and strategies of BLS in areas with
	limited resources or in remote areas.

Guideline title	Chapter 5: Advanced Life Support (adults)
Guideline objective	These European Resuscitation Council Advanced Life Support
	guidelines, are based on the 2025 International Consensus on
	Cardiopulmonary Resuscitation Science with Treatment
	Recommendations. This section provides guidelines on the
	prevention of and ALS treatments for both in-hospital cardiac
	arrest and out-of-hospital cardiac arrest. Adult advanced life
	support (ALS) includes the advanced interventions that follow
	basic life support (BLS) and use of an automated external
	defibrillator (AED). Adult BLS and AED use are addressed in
	Chapter 4. Basic life support continues during and overlaps with
	ALS interventions. This ALS section includes the prevention and
	treatment of both in-hospital cardiac arrest (IHCA) and out-of-



	hospital cardiac arrest cardiac arrest (OHCA), the ALS algorithm, manual defibrillation, airway management during
	cardiopulmonary resuscitation (CPR), drugs and their delivery
	during CPR, and the treatment of peri-arrest arrhythmias.
Intended audience	ALS providers
Setting	Any settings
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Section headings	Key content / considerations
Prevention of cardiac	Prevention of in-hospital cardiac arrest
arrest	Prevention of out-of-hospital cardiac arrest
Treatment of cardiac	Treatment of in-hospital cardiac arrest [IHCA ALGORITHM]
arrest	ALS considerations for out-of-hospital cardiac arrest including
	transport to cardiac arrest centres (overlap with systems)
	ALS ALGORITHM
	NEW 2025 – ALS Witnessed and closely monitored cardiac arrest
	in clinical settings (overlap with special circumstances)
	NEW 2025 – CPR induced consciousness
Defibrillation	Manual v AED
	Safe and effective defibrillation
	Energy levels and number of shocks
	Recurrent or refractory VF [including double shock]
	Paddles v pads
	NEW 2025 – Anticipatory charging
	Waveform guided defibrillation/monitoring during
	compressions
	Patients with ICDs
Airway and ventilation	Basic versus Advanced (SGAs v TT, DL v VL)
	Correct tube placement
	Optimal ventilation strategies/oxygen
	Ventilator v bag
	NEW 2025 – FONA [front of neck access]
Drugs and fluids	Parenteral access [IV, IO, IM]
	Vasopressor drugs [adrenaline, vasopressin, noradrenaline]
	Antiarrhythmic drugs [amiodarone, lidocaine, beta-blockers]
	Thrombolytic drugs
	Fluids (crystalloid, colloid, blood/blood products)
	Other drugs (steroids, calcium, magnesium, bicarbonate,
	atropine)



Monitoring and	Waveform capnography during advanced life support
investigations during	Use of ultrasound imaging during advanced life support
ALS	NEW 2025 – Physiology guided CPR (including continuous
	arterial BP)
	NEW 2025 – Brain monitoring (NIRS, EEG)
Devices	Mechanical chest compression devices
	ITD
	NEW 2025 –Head-up CPR (overlap BLS)
	NEW 2025 – ventilators - synchronised compressions]
	NEW 2025 –REBOA
	NEW 2025 – Intra-arrest cooling (overlap post resuscitation
	care)
ECPR	ECPR align with ERC/Euro ELSO/ESICM guideline
Peri-arrest arrhythmias	Tachycardia [+ ALGORITHM]
	Bradycardia [+ ALGORITHM]
Organ donation	'Uncontrolled' organ donation after circulatory death
Debriefing	Debriefing (overlap topic systems)
Duration of	When to stop ALS
ALS/Termination of	
Resuscitation	
Low Resource Settings	Advice (maybe good practice statement) on implementation,
and Remote Areas	response and practice of ALS in lower-resource setting.
	Addresses the challenges and strategies of ALS in areas with
	limited resources or in remote areas.

Guideline title	Chapter 6: Paediatric Life Support (basic and advanced)
Guideline objective	To provide evidence-based GL for management of children in
	cardiac arrest and in critical conditions
Intended audience	Bystanders, parents and other carers, health care professionals
	at different levels of care (EMS, emergency departments,
	paediatric wards, paediatric ICUs, post-discharge care physicians
	etc.), hospital and EMS management, government structures
Setting	In-field, out-of-hospital, in-hospital, post-cardiac arrest care
Writing group	Jana Djakow, Dominique Biarent (co-chair), Nieves de Lucas,
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Section headings	Key content / considerations
Recognition and	Assessment of the seriously ill or injured child
management of	Management of the seriously ill or injured child
critically ill children	Management of respiratory failure: general approach (AB)



Guidelines 2025

	Management of status asthmaticus
	Management of anaphylaxis
	Management of circulatory failure [C]
	Management of neurological and other medical emergencies
	[D] [E]
	Status epilepticus
	Hypoglycaemia
	Hypokalaemia and Hyperkalaemia
	Hyperthermia
Paediatric basic life	Sequence of actions in PBLS
support	Rescuers only trained in adult BLS
	Untrained lay rescuers
	Use of an automated external defibrillator (AED)
	PBLS in case of traumatic cardiac arrest (TCA)
	Recovery position
	Paediatric foreign body airway obstruction (FBAO)
Paediatric advanced life	Sequence of actions in PALS
support	Defibrillation during paediatric PALS
	Oxygenation and ventilation during PALS
	Measurable factors during PALS
	Special circumstances and reversible causes in PALS
	Traumatic cardiac arrest (TCA)
	Hypothermic arrest
	Extracorporeal life support
Post resuscitation care	
and post-discharge care	
for paediatric patients	
after CA and their	
families	
Low Resource Settings	Advice (maybe good practice statement) on implementation,
and Remote Areas	response and practice of PLS in lower-resource setting.
	Addresses the challenges and strategies of PLS in areas with
	limited resources or in remote areas.

Guideline title	Chapter 7: Newborn resuscitation and support of transition of infants at birth
Guideline objective	To provide evidence informed guidance for the assessment of, and management of babies of any gestation at birth who require either resuscitation, or help with transition.
Intended audience	Any health professional who may be involved with the management of babies at birth
Setting	Anywhere a baby may be born including hospital and community settings



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Section headings	Key content / considerations
Introduction	
Algorithm	Algorithmic approach to resuscitation.
Epidemiology	Need for resuscitation and interventions.
Education	Methods of training in resuscitation.
Preparation,	Difference between home deliveries and hospital (including
Briefing	risks). Equipment, environment and personnel to successfully
Human Factors	resuscitate babies, non-technical skills (Human factors)
Thermal control	Hypo/hyperthermia, optimal methods of keeping warm and
	measuring temperature.
Cord clamping	Which babies benefit from delayed cord clamping, optimal
	timing and methods, benefit/harms. Clamping vs milking.
Initial Actions and	Stimulation and assessment of babies at birth including colour,
assessment	tone, breathing, heart rate and how these help determine the
	approach adopted during resuscitation/stabilization.
Airway	Optimal position to establish and maintain an airway and
	Interventions to alleviate physiological and physical airway
	obstruction including suction. Interventions for aspiration,
	including the use of surfactant and/or lavage.
Breathing	Need for respiratory support; optimal timing, methods,
	sequence.
Airway adjuncts	Airway adjuncts (e.g. oropharyngeal airway/nasal
Assisted ventilation	airway/supraglottic device/tracheal tube), positive pressure
devices	respiratory support (e.g. Self-inflating bag/Flow-inflating bag/T-
PEEP/CPAP	piece), indications and methods for positive pressure
	(PEEP/CPAP) (e.g. Face Mask/Nasal Prong)
Air/oxygen	Use of supplemental oxygen and the differences between
	preterm and term babies.
Monitoring	Monitoring including saturation, ECG, end tidal CO2 and
	flow/volume monitoring.
Cardiac Compression	Indications and methods for providing circulatory support
	through cardiac compressions, ratios between compression and
	ventilation, determining an effective response, continuous or
	synchronized after intubation.
Vascular access	Indications, optimal methods for securing vascular access (e.g.
	umbilical vein, intraosseous needle)
Drugs & Fluids	Indications for drugs used during resuscitation including
	adrenaline, bicarbonate, fluids, blood and glucose.



Special Circumstances	Condition specific guidance for managing transition in identified
	conditions e.g. surgical abnormalities, cardiac problems
Discontinuing/	Withholding and/or discontinuation of resuscitation.
Withholding	
Post resuscitation care	Post resuscitation care including glucose management and the
Prognosis	use of therapeutic hypothermia.
Parent communication	Management of and communications with parents and
Debriefing	relatives.
	Managing the team and any debriefing following resuscitation.
Ethics	The ethical dimensions surrounding resuscitation of the new-
	born.
Low Resource Settings	Advice (maybe good practice statement) on implementation,
and Remote Areas	response and practice of NLS in lower-resource setting.
	Addresses the challenges and strategies of NLS in areas with
	limited resources or in remote areas.

Guideline title	Chapter 8: Special Circumstances in Resuscitation
Guideline objective	To provide guidance and recent evidence on the management
	of patients being at risk or suffering from cardiac arrest under
	special circumstances. To describe and explain deviations from
	the standard algorithms
Intended audience	Healthcare professionals, stakeholders
Setting	Out of hospital cardiac arrest
	In hospital cardiac arrest
Writing group	Carsten Lott, Charles Deakin (co-chair), Anatolij Truhlář, Annette
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Section headings	Key content / considerations
Trauma	Differences in TCA, role of chest compressions, HOT principles
Anaphylaxis	Management and prevention of CA, Based on existing and updated guidelines
Electrolytic Disorders	Update on management of CA in electrolyte disorders,
	Hyperkalaemia and all relevant electrolytic disorders
	Prehospital recognition and management
Hypothermia	Management of CA in hypothermic pts., Avalanche, drowning,
	ECMO, low resource/remote & urban areas
Hyperthermia	Management of CA pts in hyperthermia, include hyperthermic
	syndromes: malignant hyperthermia, malignant neuroleptic &
	serotoninergic syndromes



Asthma, COPD	Management and prevention of CA, Based on existing and updated guidelines
Toxic agents	Management and prevention of CA due to toxic agents, antidotes, elimination, removal
Thrombosis	Management of pts in CA caused by pulmonary Embolism & Coronary thrombosis
Cardiac arrest in OR	Specific problems in General surgery (+laparoscopic/robotic), Prone position, Cath Lab, Cardiac surgery, LVAD/BIVAD patients, Local Anaesthetic Toxicity Syndrome
Dialysis	Differences in management of CA pts during dialysis, prevention and follow up
Pregnancy	Management of CA in pregnancy, amniotic embolism
Obesity	Relevant additional problems in obese CA patients
EMS transport + Inflight emergencies	Management of CA during EMS transportation and inflight
Sports	Management of CA in sports, include football awareness programs
Drowning and Water rescue	Management of CA in drowning pts, based on ILCOR statement
Low Resource Settings	These are special circumstances per se. Advice (maybe good
and Remote Areas	practice statement) on implementation, response and practice
	in lower-resource setting. Addresses the challenges and
	strategies in areas with limited resources or in remote areas.
Special population	Management of people with body deformities that may affect efficient performance of standard CPR

Guideline title	Chapter 9: Post Resuscitation Care
Guideline objective	This section of the guidelines is a collaboration between the
-	European Resuscitation Council and the European Society of
	Intensive Care Medicine. It will provide recommendations for
	treating the cardiac arrest patient after the return of
	spontaneous circulation has been achieved. It will include some
	aspects of treatment out of hospital, but the main focus is on in-
	hospital management. It will include investigations and
	diagnosis of the cause of cardiac arrest and all aspects of the
	intensive care management of the post-cardiac arrest patient
	(temperature control, blood pressure targets, oxygenation and
	ventilation targets, and temperature control). The approach to
	prognostication will be discussed, as will rehabilitation, organ
	donation, long-term outcomes and investigation of sudden
	cardiac death.
Intended audience	All clinicians who treat post-cardiac arrest patients



Setting	Any setting after return of spontaneous circulation
Writing group	Jerry Nolan, Claudio Sandroni, Alain Cariou, Tobias Cronberg,
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Section headings	Key content / considerations
Post-cardiac arrest syndrome	Will draw on material from the recent ILCOR brain injury review
Diagnosis of cause of cardiac arrest	To included relevant investigations – including pan CT
Airway and breathing	Oxygenation and ventilation targets
Circulation	To include PCI, BP targets etc.
Disability	To include temperature control and control of seizures
General Intensive Care Management	Nutrition, infection control, etc.
Prognostication	Including all aspects of a multimodal approach
Withdrawal of life- sustaining therapy	Timing and indications. Will link with ethics section
Long-term outcomes	All aspects of long-term outcome including societal participation
Rehabilitation	Latest evidence for the impact of rehabilitation programs
Organ donation	Will draw on some of the ILCOR Organ Donation paper
Investigating sudden unexplained cardiac arrest	This will be expanded from the 2021 guidelines to include the latest recommendations
Cardiac arrest centres	Although this is covered in systems, we will have a short section to link to that chapter.
Low Resource Settings and Remote Areas	Advice (maybe good practice statement) on post-resuscitation care implementation, response and practice in lower-resource setting. Addresses the challenges and strategies of post-resuscitation care in areas with limited resources or in remote areas.

Guideline title	Chapter 10: Education of Resuscitation
Guideline objective	This chapter delineates the multifaceted aspects of resuscitation
	education, addressing varied target groups and providers, and
	encompassing a spectrum of methodologies from traditional to
	technology-enhanced techniques. It underscores the
	significance of tailored educational strategies to enhance the
	quality of resuscitation outcomes, integrating simulation, faculty
	development, assessment, and feedback mechanisms. The
	chapter also highlights existing research gaps, setting a roadmap
	for future investigations in resuscitation education.



Intended audience	Instructors, educators, course centres, healthcare professionals,
	stakeholders,
Setting	Instruction, training, education (basic to advanced life support)
Writing group	Sabine Nabecker, Timo de Raad (co-chair), Patricia Conaghan,
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Section headings	Key content / considerations
Introduction	The medical educational foundation to teach and learn
	resuscitation: expanding the GL2021 with new evidence.
Resuscitation	Explores resuscitation training's nuances across different
education for different	demographics, focusing on unique challenges in low-income
target groups:	regions, disparities in education, the EMS's role, specialized BLS
	training for high-risk groups, and the impact of team-based CPR
	training on patient outcomes.
Resuscitation	Discusses the customization of resuscitation education, its
education tailored for	prevalence, and the necessity for mandatory programs. It covers
different providers	diverse sectors, including water rescue, in-hospital cardiac
	arrest responses, and specialized training for dental
	professionals.
High-quality	Examines comprehensive approaches to resuscitation
resuscitation skill	education, emphasizing the role and importance of feedback
development	of spaced and blended learning for skill mastery.
Technology-enhanced	Investigates the role of innovative technologies in resuscitation
resuscitation education	education, including immersive simulations, gamification, and
	cognitive aids to enhance learning outcomes and provider
	readiness.
Simulation-based	Details the application of in-situ and high-fidelity simulations in
resuscitation training	resuscitation training, highlighting their effectiveness in
	replicating real-world scenarios and enhancing procedural
	proficiency.
Faculty development to	Addresses the development of resuscitation instructors,
improve education for	focusing on managing provider workload, and stress, and
resuscitation	fostering team competencies to improve training quality.
Impact of resuscitation	Reviews evidence linking resuscitation education to improved
education on clinical	patient outcomes, including the role of family presence during
outcomes	adult resuscitation, the establishment of cardiac arrest centres,
	and public willingness to perform CPR.
Debriefing and	Emphasizes the importance of structured debriefing and
feedback in	feedback, comparing different approaches and their
resuscitation education	effectiveness in reinforcing learning and improving resuscitation
	performance.



Assessment strategies	Summarizes the current literature on assessment methods
for resuscitation	within resuscitation training programs, providing insights into
competences	effective evaluation practices and future directions. (conclave
	results or outlook on conclave results)
Research in education	Based upon upcoming ILCOR statement on Educational
and gaps and future	Outcomes
directions in	
educational research.	
Low Resource Settings	Advice (maybe good educational statement) on
and Remote Areas	implementation, response and practice of education
	resuscitation in lower-resource setting. Addresses the
	challenges and strategies of education in areas with limited
	resources or in remote areas.

Guideline title	Chapter 11: Ethics in Resuscitation
Guideline objective	To provide evidence-based guidance for members of the public
	and healthcare professionals on ethical aspects of resuscitation
	and end of life decisions in adults and children.
Intended audience	Laypersons, healthcare professionals, other stakeholders
Setting	All settings
Writing group	Violetta Raffay, Johannes Wittig (co-chair), Spyros D.
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Section headings	Key content / considerations
Advance directives and	OHCA, IHCA, Paediatrics
advance care planning -	
DNACPR/DNR	
When to stop/when to	OHCA, IHCA, Paediatrics
transport	
When and how to	OHCA, IHCA, Paediatrics
involve	(diversity throughout Europe: law, religion, organisation, socio-
family/relatives/other	economics)
in (shared) decision	
making	
Patient and family	TBD (e.g., official representatives of organisations, societies,
representatives	clubs, etc.)
Ethical challenges of	Bystanders: Good Samaritan law; possible psychological
bystanders and first	consequences
responders	Ethical considerations for first responders
involvement	
Research	Interventional and non-interventional research (all settings):



Education/Systems	Narrative review-based, updated guidance concerning patient
	outcomes, education and system organisation
Low Resource Settings	Advice (maybe good practice statement) on implementation,
and Remote Areas	response and practice of ethics in resuscitation in lower-
	resource setting. Addresses the challenges and strategies of
	ethics in areas with limited resources or in remote areas.

Guideline title	Chapter 12: First Aid
Guideline objective	To provide practical hands-on advice based on science on life-
	threatening conditions that might lead to a cardiac arrest if first
	aid is not done or on time-critical conditions where first aid can
	reduce severe morbidity
Intended audience	1. Trained first aiders (lifeguards, ski patrol etc their main
	task is to solve these kind of problems but without medical
	education)
	2. First aid on duty (teachers, security staff etc. where the
	society expect them to act but not their main task)
	3. First aiders on scene (anyone)
Setting	European, out-of-hospital
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Section headings	Key content / considerations
Definition of first aid	Differentiate first aid into trained first aiders, first aid on duty,
	first aiders on scene. General principles on regular training and
	equity including first aiders and victims with functional
	variations when possible
Being a first aider	Legal aspects and common reactions/feelings about doing harm,
	meeting a person appearing dead and its relatives
First aid kits	General principles and matching content based on assumed
	users and risks in that specific environments, no general list
Mental health crisis	First aid when a person has suicide thoughts or in a suspected
	suicide attempt
Drowning	Initial actions in water and on land incl. rescue breaths and CPR
Prevention	Pre-syncope and Counter-Pressure Manoeuvres
	Recognition of stroke
	Recovery position and position of victims in shock
	Prevention of hypothermia
	Recognition of concussion
Medical emergencies	• Airway foreign body, initial actions such as back blows,
	abdominal thrusts and when to call for help





	Anaphylaxis, recognition and initial treatment with
	adrenaline (epinephrine)
	 Use of supplemental oxygen and pulse oximetry in
	dyspnoea, stroke and known COPD
	Bronchodilator administration for asthma (incl. harm of)
	Chest pain/symptoms of arrhythmias incl. initial treatment
	with aspirin
	 Management of hypoglycaemia
	 Intoxication incl. treatment with nasal naloxone
	 Management of heat stroke/hyperthermia by cooling
	 Snake bite- (only European once needing antidote)
Trauma emergencies	• Control of life-threatening bleeding with pressure bandage,
	haemostatic agents, and tourniquets
	 Basic airway manoeuvres- jaw thrust
	Cervical spine motion restriction (for trained first aiders)
	 Management of open chest wounds
	Eye injury from chemical exposure
	 Preservation of amputated body part
Low Resource Settings	Advice (maybe good practice statement) on implementation,
and Remote Areas	response and practice of FA in lower-resource setting.
	Addresses the challenges and strategies of FA in areas with
	limited resources or in remote areas.