

## WFPICCS Education Committee - Mapping document

OBJECTIVE: to identify and catalogue existing high-quality, education resources by region	Region (Africa, Asia Europe, North America, Latin America & The Carribean, Oceania)	Country	Educational resources (name of resource)	Target audience (state if specifically for nurses, AHPs - dieticians, physios, psychologists, Child Life Specialists, pharmacists, respiratory therapists etc or physicians or PICU in general, other)	Format (training course, fellowship, webinar, guidelines, white paper, podcast, journal club etc)	Provided by (name of provider)	Open Access (Yes, No, Not sure)	In your opinion, what are the gaps in your country/region
	Africa	Ethiopia	Emergency Triage Assessment and Treatment (ETAT)		Guideline	World health organization	yes	there is no guideline for PICU for majority of hospital; lack of trained professionals; limited number of pediatric intensivist; no respiratory therapist; no trained ICU nurses and other staff
	Africa	South Africa	Paediatric Life Support - advanced and basic	Nurses, doctors and AHP	Training course with simulation components	Various high education institutions	No	These are available at academic centers, may be limited in remote areas... required by College of Paediatricians for physicians
	Africa	South Africa	BASIC Paediatric course	Nurses and doctors	Training course with simulation components	?	?	
	Africa	South Africa	POSTGRADUATE DIPLOMA IN CLINICAL PAEDIATRIC CRITICAL CARE	Doctors - The key objective of the diploma is to allow practising doctors to develop skills in the management of children with a life threatening illness or injury, or following major elective surgery. The qualification aims to produce graduates who are trained in the recognition and management of critically ill children, thereby building capacity to improve child health in Africa. This enables and empowers these working professionals to undertake advanced reflection and development in this sub-area of their practice by means of training which is targeted at current thinking, practice and research methods in the area of paediatric critical care, and allows these skilled workers to use their knowledge gained to lobby for improving child health.	On-site postgraduate diploma with clinical training	University of Cape Town (UCT)	No	As far as I know this is the only Paed Critical Care diploma in South Africa, which does not aim to produce critical care specialists, but rather to train and educate general doctors in PICU skills.

	Africa	South Africa	Paediatric Intensive Care Nursing - Clinical Masters	Doctors - The key objective of the diploma is to allow practising doctors to develop skills in the management of children with a life threatening illness or injury, or following major elective surgery. The qualification aims to produce graduates who are trained in the recognition and management of critically ill children, thereby building capacity to improve child health in Africa. This enables and empowers these working professionals to undertake advanced reflection and development in this sub-area of their practice by means of training which is targeted at current thinking, practice and research methods in the area of paediatric critical care, and allows these skilled workers to use their knowledge gained to lobby for improving child health.	Onsite clinical training, research component	UCT		This specialisation is not offered in the majority of African countries, however through the African Paediatric Fellowship Program, UCT offers full or partial fellowships to support students from resource-poor African regions
	Africa	South Africa	MPHIL SUBSPECIALISATION IN PAEDIATRIC CRITICAL CARE	Paediatricians	Two years of clinical training, one year of research and completion of the dissertation.	UCT, other Higher education centres	no	This specialisation is not offered in the majority of African countries, however through the African Paediatric Fellowship Program, UCT offers full or partial fellowships to support students from resource-poor African regions
	Africa	South Africa	PG Diploma Clinical Paediatric Physiotherapy	Physiotherapists	On-site postgraduate diploma with clinical training. Paediatric critical care forms part of the training, but this is not the sole focus.	UCT	No	This the only program of its kind in Africa, but it is specifically targeted to physios from resource constrained African countries, supported by grant funding to provide full or partial fellowships through the African Paediatric Fellowship Programme (APFP)
	Africa	South Africa	CPT1 course - Postgraduate Cardiopulmonary Physiotherapy APDL2 course. This course is a one-year 120 hour course, inclusive of adult and paediatric critical care physiotherapy.	Physiotherapists	One-year part time blended online and face to face, with clinical components	Cardiopulmonary rehabilitation Special Interest group of the South African Society of Physiotherapy	No	This is the only postgraduate cardiopulmonary APDL2 course for physiotherapists, as far as I am aware, in subSharan Africa.
	Africa	South Africa	Numerous workshops and mini-courses	All HCW	Various	Various, including Critical Care Society of Southern Africa	Variable	
	Africa	Kenya	Pediatric Emergency and Critical Care Kenya (PECC-Kenya) <a href="https://depts.washington.edu">https://depts.washington.edu</a>	2 year PECC training for African pediatricians	fellowship	University of Nairobi, in collaboration with Univeristy of Washington/ Seattle Children's and AIC Kiliabe Hospital		
	Africa	Kenya	Pediatric Critical Care nursing program 1 year (Gertrudes Hospital); Paediatric Emergency and Critical Care Clinical Officer Course currently being evaluated for accreditation by COC Kenya (Kijabe course)	1 year program	in person training	Gertrudes Children's Hospital		

	Africa	Kenya	Paediatric Emergency and Critical Care Clinical Officer Course		in person training	AIC Kijabe hospital		
	North America	USA		generally nursing based; but available to all staff in the PICU. The WeLearn portal is available for all hospital staff	online training course, in person education	Nursing education council, Education leader	yes	alotting time for continued education, available staff to provide the education, money and resources
	Oceania	Australia	On-line training resouces for acute physiotherapy.	Physiotherapists new to acute paedrs or who treat children out of hours	On-line inrteractive training - Case based scenarios & learning packages	Physio Acute Team - CHQ	Yes Via iLearn Platform, register as non-Qld user & search Paediatric Physio  Link <a href="https://www.health.qld.gov.au/employment/professional">https://www.health.qld.gov.au/employment/professional</a>	
	Oceania	Australia	Simulated learning scenarios	Physios - Scenarios across range of experience from pre-reg to complex tertiary care	Face to Face but recently some virtual	Physio Acute Team -CHQ	No	Developing the scenarios for virtual delivery while maintaining the integrity & meeting learning objectives
	Oceania	Australia	Transition to Paediatric Intensive Care Practice Program (Qld)	PICU nurses	electronic modules; workbooks	Children's Hospital and Health Service	No	
	Oceania	Australia	PICU Workshop program	PICU nurses	Workshop with didactic lectures, simulations, group work. Topics include neurointensive care, cardiac, oncology, sepsis, PICU Liberation	Children's Hospital and Health Service	No	
	Oceania	Australia	PaedsBASIC course and NurseBASIC course	PICU staff	2 day workshop with skills stations, simulations	PaedsBASIC org	No	Developing virtual NurseBASIC course currently
	Oceania	Australia	Neurocritical Care Seminar & Workshop	PICU Staff	2 day workshop with skills stations, simulations	Queensland Children's Hospital PICU	No	
	Oceania	Australia	BeyondBASIC Neurocritical Care Course	Paediatric critical care staff	2 day workshop with skills stations, simulations	Sydney Children's Hospital Network	No	
	North America and international	USA	Open Pediatrics	Pediatrics and PICU/CICU providers (nursng, physician, allied helath care)	web-based	Open-Pediatrics through Boston Children's Hospital	Yes	Dedicated time commitment to CME is challenging; ability to find and access learning content as there are many
	North America	USA	International Quality Improvement Collaborative for Congenital Heart Disease (IQIC)	CICU providers (nursing, physician, and allied health care)	Webinar	IQIC (iqic.chboston.org) operated through Boston Children's Hospital	No (restricted to member centers, some content can be accessed via Open Pediatrics)	Dedicated time commitment to CME is challenging; ability to find and access learning content as there are many
		Canada	About Kids Health	Pediatric patients and caregivers - Resources available in multiple languages	web-based; <a href="https://www.aboutkidshealth.ca/">https://www.aboutkidshealth.ca/</a>	The Hospital for Sick Children - Toronto		
	South America	Brazil	Lectures for professionals and CHD parents, informational videos, social media content as well.	Multidisciplinary	<a href="https://www.youtube.com/channel/UC...">Website and social media/you tube content: www.cardiopedbrasil.com.br @cardiopedbrasil</a>	CardioPedBrasil - Hospital da Criança e Maternidade de São José do Rio Preto	Yes	Website is a work in progress, constantly inserting new videos and lectures.

South America	Argentina	PICU Programm	PICU fellows	Webinar	Sociedad Argentina de Terapia Intensiva	No (Restrictes to fellows at the Paediatric Intensive Care Training program)	Not open source. Paediatric Intensive Care Training program
South America	Argentina	PICU Programm	PICU Staff	Webinar	Hospital Garrahan. Buenos Aires, Argentina	No (restricted to staff at member centers)	Not open source. Paediatric Intensive Care Training program
South America	Countries from Latam	Weekly webinar	PICU Staff	Weekly Clinical Cases Webinar	Hospital Garrahan. Buenos Aires, Argentina	Yes, via Zoom, in Spanish	In Spanish
South America	Countries from Latam	Monthly webinar	PICU Staff	Monthly webinar	Sociedad Latinoamericana de Cuidados Intensivos Pediátricos (SLACIP)	Yes, via Zoom, in Spanish	In Spanish
South America	Countries from Latam	POCUS Course	PICU Fellows	Training courses and online interaction training	USPed	No	Not open source. Paediatric Intensive Care Training program
Caribbean	Jamaica	Mechanical Ventilation Basic Life Support PALS Training	Paediatric Trainees Residents Anaesthetic	Workshops Training Course	University of the West Indies Heart Foundation of Jamaica	No to mechanical ventilation course BLS/PALS paid courses	No Paediatric Intensive Care Training program No repository of educational resources on Paediatric Intensive Care Unaware of availability of local data
	Malaysia	Grown up Congenital Heart pt care	PICU Nurses	Training courses and online interaction training			No Specific Training center related to heart commitment time to CME is challenging lacknof guudeline for nurses
		Neonatal with Congenital Heart Care	PICU Nurses	Training courses and online interaction training			No Specific Training center related to heart commitment time to CME is challenging lacknof guudeline for nurses
		Cardiac Liason Nurse in PICU	PICU Nurses	Training courses and online interaction training			No Specific Training center related to heart commitment time to CME is challenging lacknof guudeline for nurses
South America	Brazil	1- Fluid teraphy in shock; 2 Pediatric Advanced Life Support course; 3- peripherally inserted central catheter; 4- nurse residency program in pediatric critical care; 5- Pediatric Critical Care Nursing Specialty program.	1- Nurses and physicians, 2- Nurses and physicians; 3- nurses; 4- newly-graduated nurses	1- online course; 2- training course, 3- training course, 4 - specialized training, 5- postgraduate course	1- Institute of teaching and research Albert Einstein; 2 - various; 3 - various; 4- universities and some teaching and research institutes of private hospitals; 5- private universities.	1-yes; 2 - no; 3- no, 4- dependent on a selective process; 5- no	Lack of courses for nurses in some areas of the country on issues related to pediatric intensive care such as Patient Safety in PICU context; paliative care; nursing in pediatric neurointensivism; delirium; nephrology in pediatric critical care; Children and Family-Centered Care in PICU; analgesia and sedation; nutritional therapy in critically ill children; ECMO, hemothotherapy in PICU, Communication Training in Pediatric Critical Care.
Europe		PICU Nursing Journal club	nurses, AHPs	onlne, recorded	ESPNIC	no	

	Europe		PaedsBASIC course	nurses, doctors and AHP	training course	ESPNIC	yes	
	Europe		PICU online nursing course	nurses	online training course	ESPNIC	yes	
	North America	USA-CA in 2/2022	Cardiology 2022/Annual Meeting	All of the above-Cardiac Focus	4-5 day conference with Preconferenc CHD Primer Course for APP's/nurses	CHOP	No; Paid registration	Education with a bedside focus
	North America/Global	USA	Heart University	All of the above-Cardiac Focus	Virtual library of talks	<a href="mailto:heartuniversity+cchmc.org@ccse.nd.com">heartuniversity+cchmc.org@ccse.nd.com</a>	Yes; free access	Education with a APP focus
	Global	International	Congenital Heart Academy	All of the above-Cardiac Focus	Zoom/Virtual talks with library on YouTube	<a href="http://bit.ly/GW-CHA">http://bit.ly/GW-CHA</a>	Yes; free access	INTERDISCIPLINARY/team meetings
	North America	USA	NPCNA	Pediatrics NP's-Acute and Primary Care	In person and virtual options	NPCNA	No: members, pay to attend.	Love the virtual library idea!! Access at any time to content
	North America	USA	PCICS	All of the above-Cardiac Focus	Virtual Meetings, but in person prior to pandemic	PCICS	No/Paid registration/member ship	
	North America	USA	Fontan Outcomes Network(FON)	Single Ventricle teams	Virtual for now annual educational events; new	FON	Not sure; free access to pilot SV programs for now	
	North America	USA	NPCQIC	Single Ventricle teams	Virtual for now annual educational events	NPCQIC	Not sure	
	North America	USA	NPCNA	Pediatric Cardiac Nurses	Annual educational event	NPCNA	No	
	North America	USA	CNOC	All of the above-Cardiac Focus	Annual educational event	CNOC	Not sure	
	Europe	UK	Paediatric Critical Care society	All of the above	On line access - PICCHub app	Paediatric Critical Care society	open	
	Europe	UK	Birmingham Children's Hospital, PICU teaching days	All of the above- Trainees Focus	Online meetings/Zoom	Birmingham Children's Hospital, PICU teaching days	yes	
	Europe		Invasive MV course	All of the above	Online	ESPNIC	No	
	Asia	Malaysia	Intensive Care Guidelines	ICU doctors and nurses	<a href="http://msic.org.my/guidelines.html">Online http://msic.org.my/guidelines.html</a>	Malaysian Society of Intensive Care	Yes	Mainly adult guidance. Plans underway to start paediatric ICU chapter. We lack detailed open access PICU specific guidelines.
		Malaysia	Malaysian Ministry of Health COVID guidelines.	PICU and Paediatric HCW	<a href="https://covid-19.moh.gov.my/qaris-panduan/qaris-panduan-kkm">Online https://covid-19.moh.gov.my/qaris-panduan/qaris-panduan-kkm</a>	Ministry of Health Malaysia	Yes	
		Malaysia	Malaysian Paediatric Association Guidelines and Protocols.	PICU and Paediatric HCW	Online <a href="https://mpaeds.my/guideline-protocols/">https://mpaeds.my/guideline-protocols/</a>	Malaysian Paediatric Association	Yes	Contains guidance for various common paediatric and PICU conditions in Malaysia.
		Malaysia	PICU Learning Hub Malaysia	PICU trainees and Consultants. Trainee Focus	Webinars, Microsoft Teams. CME sessions, bedside teaching, case based discussions.	Malaysian PICU Consultants and Trainees	No	Difficult to find protected time for teaching sessions due to manpower shortages, some have limited broadband access.
	North America	USA	PEDI Program	Nurses	online Children's HeartLink	Children's HeartLink	Free	teaches nurses and HCW about discharge teaching - cardiac only
	North America		Nurse Residency Program	nurses	session A online	Children's HeartLink	Free	

	North America	USA	Continuing education activities	pediatric and neonatal nurses	online webinars, courses, topic specific CE sessions	American Association of Critical Care Nurses	membership required	by nurse for nurses, includes conference proceedings, must search for paediatrics as majority of content is adult based, courses have associated fees
			Webinar series					
			Essentials of Pediatric Critical Care Orientation					

Cell: H23

Note: can be "purchased" or application for access  
-Anonymous

Cell: H25

Note: Course registration fees apply. Some ability to supply low resource countries if charity funding accessible.  
-Anonymous