

Tool for Situational Analysis to Assess Emergency and Essential Surgical Care

Reference: WHO Integrated Management for Emergency & Essential Surgical Care (IMEESC) toolkit: www.who.int/surgery. **Objective:** to assess the gaps in the availability of EESC at resource constrained health facilities.

If you prefer to complete the paper version, please print and return this form by email cheriann@who.int or post or fax to the following address: Dr Meena Cherian, Emergency & Essential Surgical Care project Clinical Procedures Unit, Department of Essential Health Technologies, World Health Organization, 20 Avenue Appia, 1211, Geneva 27, Switzerland, Fax: 41 22 791 4836, www.who.int/surgery.

Section A: Infrastructure

Country *

Name, Phone no. of the pers form *	son fi	lling	the															<u>A</u>
Email:						mail f	ormot	io "v	vvv@:		"							
The email format is "xxxx@yyyy.zzz" Name and Phone number of Health Care Facility *																		
Type of Health Center District/Rural/Community Hospital Provincial Hospital General Hospital Private/NGO/Mission Hospital Healthcare Facility: *									lospital									
Population served by this he	alth 1	facilit	y (Eg	j: 10	0.000) or 1	.000	.000))	The i	nput is	of typ	e "nur	nber"				
	0	1	2	3-4	5- 10	11- 20	21- 50	51- 80	81- 100	101- 200	201- 300	301- 400	401- 500	501- 700	701- 1'000	1'001- 2'000	2'001- 5'000	>5'000
Number of beds	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of total admissions in one year	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of total functioning operating rooms (major and minor)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of patients at this facility requiring minor & major surgical (including Gyn/Obs) procedures per year	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of children (aged less than 15 years) at this facility requiring surgical procedures per year	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of patients to this facility that you refer for surgical intervention to a higher level facility per year	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
How far (in Km) does the average patient travel to get to your health facility for surgical services?	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
If you do not provide surgical services, how far does the average patient travel (in Km) to access surgical services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	All the time	Sometimes	Not available
Do you have Oxygen cylinder supply?	0	0	0
Do you have Oxygen concentrator supply?	0	0	0
Do you have running water?	0	0	0
Do you have electricity source?	0	0	0
Do you have an operational power generator?	0	0	0
Do you have functioning anaesthesia machine?	0	0	0
Do you keep medical records ?	0	0	0
Do you have an area designated for Emergency care?	0	0	0
Do you have an area designated for Postoperative care?	0	0	0
Do you have management guidelines available for Emergency care?	0	0	0
Do you have management guidelines available for Surgery?	0	0	\circ
Do you have management guidelines available for Anesthesia?	0	\circ	\circ
Do you have management guidelines available for Pain Relief?	0	0	\circ
Do you have blood bank available at the facility?	0	0	0
Do you have facility to test haemoglobin & urine?	0	0	0
Do you have functioning X-ray machine available?	0	0	0

Section B: Human Resources

	Number of Full Time Workers	Number of Part Time Workers	Number Certified/Registered/Licensed
Surgeons (qualified)	The input is of type "number"	The input is of type "number"	The input is of type "number"
Anaesthesiologist Physician (qualified)	The input is of type "number"	The input is of type "number"	The input is of type "number"
Obstetrician/gynecologist (qualified)	The input is of type "number"	The input is of type "number"	The input is of type "number"
General doctors providing surgery	The input is of type "number"	The input is of type "number"	The input is of type "number"
General doctors providing anesthesia	The input is of type "number"	The input is of type "number"	The input is of type "number"
Nurse/Clinical/Assistant medical officers providing anesthesia	The input is of type "number"	The input is of type "number"	The input is of type "number"
Clinical/Assistant medical officers providing surgery	The input is of type "number"	The input is of type "number"	The input is of type "number"
Paramedics/Midwives	The input is of type	The input is of type	The input is of type "number"

"number"	"number"	

Section C: Interventions - Do you provide these procedures?

	Yes / No	Do you refer?	Refer due to lack of skills	Refer due to non- functional equipment	Refer due to lack of Supplies/Drugs
Resuscitation (airway, hemorrhage, peripheral percutaneous intravenous access, peripheral venous cut down)	yes no	yes no	yes no	yes no	yes no
Cricothyroidotomy /Tracheostomy	yes no	yes no	yes no	yes no	yes no
Chest tube insertion	yes no	yes no	yes no	yes no	yes no
Removal of foreign body (throat/eye/ear/nose)	yes no	yes no	yes no	yes no	yes no
Acute burn management	yes no	yes no	yes no	yes no	yes no
Incision & drainage of abscess	yes no	yes no	yes no	yes no	yes no
Suturing (for wounds, episiotomy, cervical & vaginal lacerations)	yes no	yes no	yes no	yes no	yes no
Wound debridement	yes no	yes no	yes no	yes no	yes no
Cesarean Section	yes no	yes no	yes no	yes no	yes no
Dilatation & Curettage gyn/obstetrics	yes no	yes no	yes no	yes no	yes no
Obstetric fistula repair	yes no	yes no	yes no	yes no	yes no
Appendectomy	yes no	yes no	yes no	yes no	yes no
Hernia repair (strangulated, elective)	yes no	yes no	yes no	yes no	yes no
Hydrocele	yes no	yes no	yes no	yes no	yes no
Cystostomy	yes no	yes no	yes no	yes no	yes no
Urethral stricture dilatation	yes no	yes no	yes no	yes no	yes no
Laparotomy (uterine rupture, ectopic pregnancy, acute abdomen, intestinal obstruction, perforation, injuries)	yes no	yes no	yes no	yes no	yes no
Male circumcision	yes no	yes no	yes no	yes no	yes no
Congenital hernia repair	yes no	yes no	yes no	yes no	yes no
Neonatal surgery: abdominal wall defect, colostomy imperforate anus, intussusceptions	yes no	yes no	yes no	yes no	yes no

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Cleft lip repair	yes no				
Clubfoot repair	yes no				
Contracture release/skin grafting	yes no				
Closed Treatment of Fracture	yes no				
Open Treatment of Fracture	yes no				
Joint Dislocation treatment	yes no				
Drainage of Osteomyelitis/Septic Arthritis	yes no				
Amputation	yes no				
Biopsy (lymph node, mass, other)	yes no				
Tubal ligation/Vasectomy	yes no				
Cataract surgery	yes no				
Regional anesthesia blocks	yes no				
Spinal anaesthesia	yes no				
Ketamine intravenous anaesthesia	yes no				
General anaesthesia inhalational	yes no				

Section D: Emergency Equipment and Supplies for Resuscitation
For details refer WHO IMEESC toolkit www.who.int/surgery/publications/imeesc; WHO ETC guidelines www.who.int/violence_injury_prevention/services; WHOEML www.who.int/medicines/publications

	0 absent	1 available with frequent shortages or difficulties	2 fully available for all the patients all of the time
Capital Outlays	0	0	
Resuscitator bag valve & mask (adult)			
Resuscitator bag valve & mask (paediatric)	0	0	0
Oxygen source: cylinder/concentrator	0	0	0
Mask & Tubing to connect to oxygen supply	0	0	0
Stethoscope	0	0	0
Batteries for flash light	0	0	0
Suction pump (manual or electric)	0	0	0

Blood pressure measuring equipment	0	lacktriangle	0
Thermometer	0	0	0
Scalpel handle with blade	$\overline{\mathbb{O}}$	<u> </u>	0
Retractor	0	0	0
Scissors straight 12 cm	0	0	0
Scissors blunt 14 cm	0	0	0
Oropharyngeal airway (adult size)	0	\odot	0
Oropharyngeal airway (paediatric size)	0	0	0
Forceps Kocher no teeth	0	\odot	0
Forceps, artery	0	lacktriangle	0
Kidney dishes stainless steel	0	\odot	0
Capped bottle, alcohol based solutions	0	0	0
Gloves (sterile) sizes 6 to 8	0	0	0
Gloves (examination)small, medium, large	0	\odot	0
Needle holder	0	0	0
Sterilizer	0	0	0
Nail brush, scrubbing surgeon's	0	0	0
Vaginal speculum	0	0	0
Bucket, plastic	0	\circ	0
Drum for sterile compresses, bandages, dressings	0	O	0
Examination table	0	0	0
Renewable Items	0		0
Suction catheter sizes 16 FG		0	
Tongue depressor wooden disposable	0	lacktriangle	0
Nasogastric tubes 10 to 16 FG	0	\odot	0
Light source (lamp & flash light)	0	0	0
Intravenous fluid infusion set	0	\circ	0
IV cannula sizes 18,22, 24	\circ	\circ	0
Scalp vein infusion set	0	\circ	0
Syringes 2ml	0	\circ	0
Syringes 10 ml	0	\circ	0
Disposable needles # 25, 21,19	0	0	0
Sharps disposal container	0	0	0
Tourniquet	0	0	0
Sterile gauze dressing	0	0	0
Bandages sterile	0	0	0
Adhesive Tape	0	0	0
Needles, cutting & round bodied (for suturing)	0	0	0

Splints for arm, leg	\circ	lacktriangle	0
Towel cloth	0	0	0
Absorbent cotton wool	0	0	0
Urinary catheter Foleys disposable #12, 14,18 with bag	0	0	0
Sheeting, plastic for examination table	\circ	0	0
Waste disposal container	\circ	0	0
Face masks	0	0	0
Eye protection	0	0	0
Apron, utility plastic reusable	0	0	0
Soap	0	0	0
Wash basin	0	0	0
Supplementary equipment for use by skilled health professionals	0	0	0
Magills Forceps (paediatric)			
Magills Forceps (adult)	0	0	lacksquare
Endotrachael tubes uncuffed sizes 3.0 to 5.0)	0	0	0
Endotrachael tubes cuffed sizes 5.5 to 9	\circ	0	0
IV Infusor bags	\circ	0	0
Chest tubes insertion equipment	0	0	0
Laryngoscope handle	0	0	0
Laryngoscope Macintosh blades (adult)	0	0	0
Laryngoscope Macintosh blades (paediatric)	0	0	0
Spare bulbs, batteries for laryngoscope	0	0	0
Cricothyroidotomy set	0	0	0

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