



## WHO TRAUMA & EMERGENCY SURGERY KIT (WHO TESK)

### SCOPE OF TESK

WHO TESK is intended to provide the resources needed for surgical procedures in operating theatres. Some of the sub-units may be used for simpler procedures that may occur in other parts of the facility.

A complementary kit intended for the care of acutely ill and injured patients in hospital emergency units, field hospitals or clinics providing acute care, is under development and targeted for release in early 2020.

### TARGET POPULATION

WHO trauma and emergency surgery kit (TESK) aims to provide materials and drugs to meet the needs of 50 patients requiring surgical care in emergency situations, assuming an average of two operations per patient. This kit is intended for use by health care providers who are trained in appropriate management of emergent surgical issues and are acting within their scope of practice. The composition of TESK has recently been revised in collaboration with the International Committee of the Red Cross to meet the dynamic requirements of emergency situations.

### PLEASE NOTE

Related information resources and training materials are available in the included USB thumb drive.

### STRUCTURE AND CONTENT OF TESK

TESK aims to provide equipment, supplies and medicines to meet the needs of patients requiring surgical care in emergency situations. This kit is designed for use by providers who benefit from basic levels of infrastructure but may lack the equipment required for care. In general, this kit contains oral and IV medicines including cold chain drugs and medical supplies including renewables and instruments.

The kit is divided into two modules, as outlined below. Individual submodules and sets may be ordered separately. While general guidance is given regarding number of operative procedures covered by this kit, this may vary by context.

The anesthesia set includes anaesthesia materials required for induction and maintenance of anesthesia during routine operation parameters in a fixed facility. Of note, the inhaled anesthetic halothane can be found in the renewable and drugs module. Large relevant equipment such as an anesthesia machine, surgical cautery machine, and ultrasound unit are not in TESK 2019, but are available through the UN clinic Module.



## MODULE 1

PRODUCT CATEGORY	WHO ITEM CODE	WHO ITEM DESCRIPTION
<b>KIT</b>	<b>KMEDTESK1----A1</b>	<b>KIT, TRAUMA &amp; EMERGENCY SURGERY KIT (TESK 2019), for 50 patients hospitalized</b>
<b>MODULE 1</b>	KMEDTESM1----A1	(TESK 2019) MODULE 1, DRUGS & RENEWABLES, for 50 patients hospitalized
<b>SUB-MODULE 1A</b>	<b>KMEDTESM1AB--A1</b>	<b>(TESK 2019) MODULE 1A, DRUGS</b>
SET1A1	KMEDTESM1AC--A1	(TESK 2019 module 1A) SET, DRUGS, BASIC
SET1A2	KMEDTESM1AAR-A1	(TESK 2019 module 1A) SET, DRUGS, CONTROLLED
SET1A3	KMEDTESM1ACC-A1	(TESK 2019 module 1A) SET, DRUGS, ANTIDOTE RESCUE
SET1A4	KMEDTESM1ACC-A1	(TESK 2019 module 1A) SET, DRUGS, COLD CHAIN
SET1A5	KMEDTESM1ADG-A1	(TESK 2019 module 1A) SET, DRUGS, DANGEROUS GOODS
SET1A6	KMEDTESM1AI--A1	(TESK 2019 module 1A) SET, DRUGS, INFUSIONS
SET1A7	KMEDTESM1AD--A1	(TESK 2019 module 1A) SET, DRUGS, DISINFECTANTS
<b>SUB-MODULE 1B</b>	<b>KMEDTESM1B---A1</b>	<b>(TESK 2019) MODULE 1B, RENEWABLES COMMODITIES, for 50 patients</b>
SET1B1	KMEDTESM1BG--A1	(TESK 2019 module 1B) SET, RENEWABLES, GLOVES
SET1B2	KMEDTESM1BA--A1	(TESK 2019 module 1B) SET, RENEWABLES, ANAESTHESIA, basic material
SET1B3	KMEDTESM1BI--A1	(TESK 2019 module 1B) SET, RENEWABLES, INJECTION MATERIAL
SET1B4	KMEDTESM1BD--A1	(TESK 2019 module 1B) SET, RENEWABLES, DRESSING MATERIAL
SET1B5	KMEDTESM1BDB-A1	(TESK 2019 module 1B) SET, RENEWABLES, DRESSING MATERIAL, BURNS
SET1B6	KMEDTESM1BPC-A1	(TESK 2019 module 1B) SET, RENEWABLES, PLASTER CASTING MATERIAL
SET1B7	KMEDTESM1BST-A1	(TESK 2019 module 1B) SET, RENEWABLES, STERILISATION, for autoclave
SET1B8	KMEDTESM1BSD-A1	(TESK 2019 module 1B) SET, RENEWABLES, SURGICAL DRAINAGE MATERIAL
SET1B9	KMEDTESM1BS--A1	(TESK 2019 module 1B) SET, RENEWABLES, SUTURES
SET1B10	KMEDTESM1BUD-A1	(TESK 2019 module 1B) SET, RENEWABLES, URINE DRAINAGE MATERIAL
SET1B11	KMEDTESM1BSM-A1	(TESK 2019 module 1B) SET, RENEWABLES, SURGICAL MISCELLANEOUS MATERIAL
<b>SUB-MODULE 1C</b>	<b>KMEDTESM1C---A1</b>	<b>(TESK 2019) MODULE 1C, SUPPLEMENTARY, RENEWABLES COMMODITIES, for 50 patients</b>
SET1C1	KMEDTESM1CA--A1	(TESK 2019 module 1C) SET, SUPPLEMENTARY, ANAESTHESIA MATERIAL
SET1C2	KMEDTESM1CE--A1	(TESK 2019 module 1C) SET, SUPPLEMENTARY, EXTRICATION COLLARS
SET1C3	KMEDTESM1CS--A1	(TESK 2019 module 1C) SET, SUPPLEMENTARY, SPLINTS, for 15-20 fracture cases
SET1C4	KMEDTESM1CS--A1	(TESK 2019 module 1A) SET, DRUGS, BASIC



## MODULE 2

PRODUCT CATEGORY	WHO ITEM CODE	WHO ITEM DESCRIPTION
<b>MODULE 2</b>	<b>KMEDTESM2----A1</b>	<b>(TESK 2017) MODULE 2, SURGERY, INSTRUMENTS</b>
<b>SUB-MODULE 2A</b>	<b>KMEDTESM2A---A1</b>	<b>(TESK 2017) MODULE 2A, SURGERY, GENERAL SURGERY INSTRUMENTS</b>
SET2A1	KMEDTESM2ABS-A1	(TESK 2017 module 2A) SET, GENERAL SURGERY INSTRUMENTS, BASIC SURGERY
SET2A2	KMEDTESM2AD--A1	(TESK 2017 module 2A) SET, GENERAL SURGERY INSTRUMENTS, DRESSING
SET2A3	KMEDTESM2AC--A1	(TESK2017 module 2A) SET, GENERAL SURGERY INSTRUMENTS, CRANIOTOMY, complementary
SET2A4	KMEDTESM2AL--A1	(TESK 2017 module 2A) SET, GENERAL SURGERY INSTRUMENTS, LAPAROTOMY, + caesarian
SET2A5	KMEDTESM2ADP-A1	(TESK 2017module 2A) SET, GENERAL SURGERY INSTRUMENTS, DPC (suture)
SET2A6	KMEDTESM2ADE-A1	(TESK 2017 module 2A) SET, GENERAL SURGERY INSTRUMENTS, DEBRIDEMENT
SET2A7	KMEDTESM2ASG-A1	(TESK 2017module 2A) SET, GENERAL SURGERY INSTRUMENTS, SKIN GRAFT
SET2A8	KMEDTESM2AF--A1	(TESK2017 module2A) SET, GENERAL SURGERY INSTRUMENTS, FINE (pediat), complementary
SET2A9	KMEDTESM2AT--A1	(TESK2017 module2A) SET, GENERAL SURGERY INSTRUMENTS, THORACOTOMY, complementary
<b>SUB-MODULE 2B</b>	<b>KMEDTESM2B---A1</b>	<b>(TESK 2017) MODULE 2B, SURGERY, ORTHOPEDIC SURGERY INSTRUMENTS</b>
SET2B1	KMEDTESM2BA--A1	(TESK 2017 module 2B) SET, ORTHO. SURGERY INSTRUMENTS, AMPUTATION
SET2B2	KMEDTESM2BB1-A1	(TESK 2017 module 2B) SET, ORTHO. SURGERY INSTRUMENTS, BASIC BONE SURG, compltary
SET2B3	KMEDTESM2BB2-A1	(TESK 2017 module 2B) SET, ORTHO. SURGERY INSTRUMENTS, BASIC BONE SURG., curettes
SET2B4	KMEDTESM2BB3-A1	(TESK 2017 module 2B) SET, ORTHO. SURGERY INSTRUMENTS, BONE WIRING and KIRSHNER
SET2B5	KMEDTESM2BPC-A1	(TESK 2017 module 2B) SET, ORTHO.SURGERY INSTRUMENTS, PLASTER CASTS REMOVAL
SET2B6	KMEDTESM2BT--A1	(TESK 2017 module 2B) SET, ORTHO.SURGERY INSTRUMENTS, TRACTION, + 10 bows

## MODULE 2

PRODUCT CATEGORY	WHO ITEM CODE	WHO ITEM DESCRIPTION
<b>SUB-MODULE 2C</b>	<b>KMEDTESM2C---A1</b>	<b>(TESK 2017) MODULE 2C, SURGERY, SPECIALIZED SURGERY INSTRUMENTS</b>
SET2C1	KMEDTESM2CD--A1	(TESK 2017 module 2C) SET, DENTAL INSTRUMENTS, extraction
SET2C2	KMEDTESM2CE--A1	(TESK 2017 module 2C) SET, EAR-NOSE-THROAT INSTRUMENTS
SET2C3	KMEDTESM2CG--A1	(TESK 2017 module 2C) SET, GYNAECOLOGY INSTRUMENTS, dilatator, curettage
SET2C4	KMEDTESM2CO--A1	(TESK 2017 module 2C) SET, OPHTHALMIC TRAUMA INSTRUMENTS, complementary
SET2C5	KMEDTESM2CR--A1	(TESK 2017 module 2C) SET, REPRODUCTIVE HEALTH KIT, INSTRUMENTS, dilation/curettage
SET2C6	KMEDTESM2CU1-A1	(TESK 2017 module 2C) SET, URETHRAL SOUNDS INSTRUMENTS
SET2C7	KMEDTESM2CU2-A1	(TESK 2017 module 2C) SET, URETHRAL SOUNDS INSTRUMENTS, Dittel, curved
SET2C8	KMEDTESM2CU3-A1	(TESK 2017 module 2C) SET, URETHRAL SOUNDS INSTRUMENTS, Rutschelt, straight
SET2C9	KMEDTESM2CV--A1	(TESK 2017 module 2C) SET, VASCULAR INSTRUMENTS, complementary

## Useful Resources and WHO guidelines

- WHO Basic Emergency Care training  
<https://www.who.int/emergencycare/publications/Basic-Emergency-Care/en/>
- WHO Guidelines for Essential Trauma Care, 2004  
[http://apps.who.int/iris/bitstream/10665/42565/1/9241546409\\_eng.pdf](http://apps.who.int/iris/bitstream/10665/42565/1/9241546409_eng.pdf)
- WHO Integrated Management for Emergency and Essential Surgical Care (IMEESC) toolkit, 2004  
<http://www.who.int/surgery/publications/imeesc/en>
- WHO Guidelines on Safe Surgery, 2009  
<http://www.who.int/patientsafety/safesurgery/en>
- WHO Surgical Safety Checklist  
<https://www.who.int/patientsafety/safesurgery/checklist/en/>
- WHO Patient Safety Pulse Oximetry Project, 2011  
[http://www.who.in/patientsafety/safesurgery/pulse\\_oximetry/en](http://www.who.in/patientsafety/safesurgery/pulse_oximetry/en)
- WHO Anaesthesia at the District Hospital, 2000  
<http://apps.who.int/iris/handle/10665/42193>
- WHO Emergency Care Programme  
<http://www.who.int/emergencycare>
- WHO Surgical Care Programme  
<http://www.who.int/surgery>