WHO PED/SAM 2020 – PEDIATRIC KIT
including SAM/MC Children

TECHNICAL NOTE

SCOPE OF PED/SAM
The PED/SAM kit intends to provide medicines, renewables and equipment needed to treat sick children including severe acute malnourished children with medical complications at hospital level.

Some stand-alone modules may be used for PHC or mobile clinics.

STRUCTURE AND CONTENT OF PED/SAM
The PED/SAM 2020 kit contains 7 modules as followed

<table>
<thead>
<tr>
<th>MODULE</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>1</td>
<td>KMEDPDSAMMS-A1 (Kit PED-SAM 2020) MODULE, MEDICINES SAM</td>
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<tr>
<td>2</td>
<td>KMPEDPDSAMMPOA1 (Kit PED-SAM 2020) MODULE, MEDICINES PED ORAL</td>
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<tr>
<td>3</td>
<td>KMPEDPDSAMMPIA1 (Kit PED-SAM 2020) MODULE, MEDICINES PED INJECTABLES</td>
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<tr>
<td>4</td>
<td>KMPEDPDSAMMPCA1 (Kit PED-SAM 2020) MODULE, MEDICINES PED CONTROLLED</td>
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<tr>
<td>5</td>
<td>KMPEDPDSAMMMMA1 (Kit PED-SAM 2020) MODULE, MEDICINES MALARIA</td>
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<tr>
<td>6</td>
<td>KMPEDPDSAMMR-A1 (Kit PED-SAM 2020) MODULE, RENEWABLES</td>
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<tr>
<td>7</td>
<td>KMPEDPDSAMME-A1 (Kit PED-SAM 2020) MODULE, EQUIPMENT</td>
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Module 1 – Medicine SAM/MC
Contains medicines suitable for SAM children with medical complications according to WHO treatment guidelines (see reference below). Medicines in that module are to treat about 50 SAM /MC children. Note that this module does not contain any HIV, TB or anti-cancer medicines, nor food or therapeutic milk.

This module replaces the medicines module of the SAM kit 2016, with no change of content.

Target audience: This module should only be used by health care providers working in hospitals or stabilisation centres whose staff have received training on the appropriate management of severe acute malnutrition with medical complications.
Module 2 – Medicines PED oral + topic  
Contains the medicines (oral and topical) most commonly used in a pediatric ward and recommended for the treatment of major common pediatric diseases, as per the WHO Pocket book of hospital care for children. The medicines of the module are to supply for a 10-bed pediatric unit for about 3 months.

Note that this module does not contain any HIV, TB or anti-cancer medicines.

Module 3 – Medicines PED injectables  
Contains the most commonly used injectable medicines in the pediatric ward. The module also includes some IV fluids. The medicines are to supply for a 10-bed pediatric unit for about 3 months.

Module 4 – Medicines PED controlled  
Contains controlled medicines such as diazepam, morphine and midazolam in pediatric formulations. To receive the controlled medicine module, an import license permit from the Ministry of Health is mandatory. For easy tracking, please make a separate requisition for this module.

Module 5 – Medicines malaria  
Contains malaria oral and injectable medicines as well as the A3 poster to ease the reconstitution of artesunate injectable. The medicines in that module are to treat about 150 cases of non-complicated malaria (60 babies and 90 infants).

Module 6 – Supplies and renewables  
Contains supply and renewables such as gauze, bandages, syringes, IV line and reusable surgical tunic. This module goes along with module 3 (medicines PED injectables).

Module 7 - Equipment  
Contains various equipment scale, stethoscope, glucometer and an haemoglobinometer starter kit (HemoCue® Hb 301). Additional re-supply such as glucose strips, lancets, microcuvette 301 must be ordered through the catalogue.
## Example of modules assembly

<table>
<thead>
<tr>
<th>EXAMPLE</th>
<th>MODULES TO ASSEMBLE FOR 3 MONTHS</th>
<th>MODULES TO ASSEMBLE FOR 12 MONTHS</th>
</tr>
</thead>
</table>
| 10-bed pediatric unit, no malnutrition, no intensive care or palliative care – malaria free | 1X module 2  
1X module 3  
1X module 6  
1X module 7 | 4X module 2  
4X module 3  
4X module 6  
**1X** module 7 |
| Malnutrition unit with SAM/MC children (average of 15 children per month) – malaria endemic country | 1X module 1  
1X module 5  
1X module 6  
1X module 7 | 4X module 1  
**2X** module 5  
4X module 6  
**1X** module 7 |
| Mobile clinic with GP or out patient service of the hospital (children) - no malaria in the country | 1X module 2  
1X module 7  
(1X IEHK basic supply) | 4X module 2  
**1X** module 7  
(1X IEHK basic supply) |
| PHC with GP (few beds) for children — malaria free | 1X module 2  
1X module 3  
1X module 6  
1X module 7 | 2X module 2 (for OPD)  
**1X** module 3 (few beds)  
2X module 6  
**1X** module 7 |

The PED/SAM modules are to be used to treat children. Please note that adults are covered by other WHO standard kits such as the IEHK-2017 and NCD kit 2016.

Do not hesitate, depending of the country context to add bulk items to adjust the need of the hospital or clinic.

### How to order

- Each module is a stand-alone that can be ordered individually. It is therefore possible to order several modules in different quantities.
- Equipment can be reused. Therefore, please consider ordering less equipment modules than medicines or supplies modules, especially for repetitive orders.
- Malaria module **only** for malaria epidemic areas.
Useful resources and WHO guidelines

**Pediatric:**
- IMCI chart booklet (2014):
- Management of the sick young infant aged up to 2 months - Chart booklet (2019):
- Caring for the sick child in the community, adaptation for high HIV or TB settings – Community health worker manual, Facilitator notes, Chart booklet, Referral form (2014):
- Interagency List of Medical Devices for Essential Interventions for Reproductive, Maternal, Newborn and Child Health (2015):

**SAM/MC:**
- Updates on the management of severe acute malnutrition in infants and children 2013.
  [http://apps.who.int/iris/bitstream/10665/81170/1/9789241548373_eng.pdf?ua=1](http://apps.who.int/iris/bitstream/10665/81170/1/9789241548373_eng.pdf?ua=1)
- WHO Model Formulary for Children (2010) – for drugs that are not in the pocket book
  [http://www.who.int/selection_medicines/list/WMFc_2010.pdf](http://www.who.int/selection_medicines/list/WMFc_2010.pdf)
- Course Director Guide - Training course on the management of severe malnutrition (2002)
  [https://www.who.int/nutrition/publications/severemalnutrition/training_inpatient_MSM/en/](https://www.who.int/nutrition/publications/severemalnutrition/training_inpatient_MSM/en/)