WHO Measles kit 2021
INFORMATION NOTE

SCOPE OF MEASLES KIT 2021
The new measles kits 2021 is designed to prepare for and support the treatment of non-severe and severe measles cases during outbreaks. Most measles-related deaths are caused by complications associated with the disease and serious complications are more common in children under the age of five, or adults over the age of 30. Acute respiratory infections (otitis, laryngotracheobronchitis and pneumonia) are the most frequent complications in children under five. Other complications include severe diarrhoea and related dehydration, seizures, blindness and encephalitis. Severe measles is more likely among poorly nourished young children, especially those with insufficient vitamin A, or whose immune systems have been weakened by HIV/AIDS or other diseases.

Early recognition of measles signs and symptoms and appropriate identification and triage of patients with severe illness can significantly reduce measles associated morbidity and mortality: PLEASE FOLLOW THE 10 KEY RECOMMENDATIONS and FLOW DIAGRAM (See below). The measles kit 2021 provides the essential medical and equipment supplies for management of clinical suspected and severe cases. It is composed of five modules.

Please note that related information resources and training materials are available in the USB thumb drive includes in box#1 of each module.
10 KEY RECOMMENDATIONS

1. All suspected cases of measles should be immediately reported to public health authorities to allow timely implementation of prevention and control measures.

2. Non-severe measles cases should receive outpatient treatment and be isolated at home and be administered vitamin A as recommended in excitant guidance (ref).

3. Patients with clinical warning signs or at high risk of developing complications (see annex 1) should be admitted to a treatment facility with isolation capacity – a single room is preferred. If this is not possible, then safeguard cohort patients in confined areas, separating clinically suspected and confirmed cases.

4. For all suspected measles cases among children under 5 years of age, administer one dose of vitamin A immediately on diagnosis and administer a second dose the next day (according to guidance). A third dose should be given 4–6 weeks later if there are any clinical signs of vitamin A deficiency (e.g. xerophthalmia, corneal ration).

5. Patients with measles are at high risk for complications, and thus, careful care of eyes, mouth and skin is necessary to prevent secondary infections.

6. Severe manifestations or complications of measles should be managed using the same standards used in non-measles patients. When available, use local or national patient care guidelines, including antibiotic guidelines.

7. Administering prophylactic antibiotics is NOT recommended in adults and children with measles. However, early empiric antibiotics should be considered for suspected secondary bacterial infections.

8. Ensure that early infection prevention and control measures are in place including the application of standard and airborne precautions (ref). Ensure that all HCWs have presumptive evidence of measles immunity. Two doses of measles virus containing vaccine are recommended if no evidence of measles immunity exists.

9. As soon as a measles outbreak is suspected, preparations need to be made quickly for rapid planning and implementation of vaccine immunization activities including the reinforcement of routine immunization and the implementation of selective and non-selective vaccination activities (ref).

10. Ensuring prompt access to adequate treatment and medical supplies during epidemics can significantly reduce measles case fatality rates (CFR). Where possible, countries facing regular/seasonal outbreaks should pre-position some Measles kit 2021 in high risk or hard-to-reach areas in anticipation to the epidemic season.
STRUCTURE OF MEASLES KIT 2021

The Measles kit 2021 contains some modules from the PED/SAM 2021 with an additional new module: module 8 for treatment of non-severe measles cases.

The other modules: module 1, module 4, module 5, module 6 and module 7, have the same content as the PED/SAM 2020. However, when part of Measles kit, they are labeled “Measles kit 2021” for visibility. The Measles kit 2021 is divided in 5 modules as below:

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<th>CONTENT</th>
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<td>KMEDMEASL1MCCA1--A1 (kit Measles 2021)</td>
<td>MODULE, MEDICINES COMPLEX CLASES</td>
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<td>MODULE 6</td>
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<td>MODULE 8</td>
<td>KMEDMEASL1MMSA1</td>
<td>(kit Measles 2021) MODULE, MEDICINES &amp; SUPPLY BASIC CASES</td>
</tr>
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Kit label
The kit label color is “white” for the Measles kit 2021. You find useful information on the label such as:
- The kit name: “Measles kit 2021”
- The module name: “module medicines & supply simple cases”
- How many boxes constitute this module (not the entire kit). In the example “2 boxes” in total.
- The WHO code of the module (not the kit): KMEDMEASL1MMSA1
- The first item to expire in the module, and it should be in the box#1. In fact, box#1 always contains the short shelf life item(s).
CONTENT OF MEASLES KIT 2021

Note that this kit does not contain vaccines or supplementary food (e.g. plumpy or F-75, F-100). Those items need to be ordered separately on the WHO catalogue.

Module 1 – Medicines for complex cases
For management of 50 complicated measles cases for hospitalization/inpatient treatment. It contains several oral and injectable antibiotics, medicines to treat diarrheas, vitamin A supplements. This module does not contain supply such as needles, catheters, syringes; those are in the module 6.

Module 4 – Controlled medicines
Contains different controlled medicines. Be aware that import license is needed before shipment for the supplier to prepare the export license.

Module 5 – Malaria medicines
For management of malaria to be used only in endemic areas. It 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 1 (medicines).

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 Hb301 must be ordered through the catalogue.

Module 8 – Basic medicines
For management of 20 non-severe cases for outpatient treatment. It contains medicines to be used at PHC. It does not contain any injectables.

HOW TO ORDER THE MEASLES KIT 2021

- Module 1 is only to be used in treatment center or hospitals.
- Module 8 could be useful to support vaccination campaign, in mobile clinic or at PHC centers.
- Each module and submodule is a standalone that can be ordered individually. Therefore it is possible to order several modules or submodules in different quantities.
- Equipment can be reused. Therefore, please consider ordering less equipment modules than reagents or supplies modules, especially for repetitive orders.
USEFUL RESOURCES AND WHO GUIDELINES