



HEALTH CLUSTER BULLETIN # 12

31 December 2018



Health worker providing integrated health and nutrition services. Photo: MAGNA.

South Sudan      Emergency type: Complex Emergency      Reporting period: 1 – 31 December 2018

**5.1 MILLION PEOPLE**  
IN HEALTH NEED

**2.4 MILLION**  
TARGETED

**1.96 MILLION**  
DISPLACED

**2.1 MILLION**  
REFUGEES

HIGHLIGHTS

*Cumulative analysis for the year 2018*

▪ **Improving Health Access and Scaling up Responsiveness**

In 2018, mobile teams were deployed in hard to reach areas to conduct Inter-cluster Rapid Response Mechanisms- ICRM-RRM activities through which around 51,071 beneficiaries benefited.

17,483 normal deliveries attended by skilled birth attendants.

▪ **Emergency WASH in Health Facilities in Conflict Affected Locations**

756 health workers trained on disease surveillance and outbreak response.

Around 142 health workers trained on integrated health (WASH and Nutrition) response.

405 health facilities are equipped with functional incinerators.

▪ **Quality Essential Clinical Health Services**

194 health workers are trained on clinical management of rape (CMR) in 2018.

259 sexual and gender based violence (SGBV) survivors referred to the health facilities.

▪ **Improving Resilience- Mental Health Response**

514 health workers trained on mental health and psychosocial support (MPHSS) in conflict affected areas.

HEALTH SECTOR



**43** HEALTH CLUSTER PARTNERS  
EARMARKED IN HRP TO  
IMPLEMENT HEALTH RESPONSE

MEDICINES DELIVERED TO HEALTH FACILITIES/PARTNERS



**117** ASSORTED EMERGENCY MEDICAL  
KITS (CORE PIPELINE)

HEALTH CLUSTER ACTIVITIES



**328 971** OPD CONSULTATIONS

VACCINATION



**7 215** CHILDREN (6-59 MONTHS)  
VACCINATED AGAINST  
MEASLES

EARLY WARNING ALERT AND RESPONSE NETWORK



**41** EWARN SENTINEL SITES

FUNDING \$US

**130 M** REQUESTED

**42.6 M** FUNDED

**87.4 M** GAP



## Key Context Update

- The December Murle attack in Amiel of Duk resulted in to cattle riding, abduction of children and population movement from Dongchak to walkable distance to Bong Juuk of Duk Padiet with no clear figures yet.
- There still concern in Malakal regarding the access for equatorial staff in the PoC. This has made it difficult to maintain quality of health care services. However IMC with the support of its expat based in Malakal, supported facilities are running smooth and patients are getting essential care as usual but work load increased as the remaining staff are working on daily basis without rest.
- The Ministry of Health with support from WHO and partners conducted a field investigation following the confirmed case of the yellow fever outbreak in Sakure Payam in Gbudue State. A total of 35 Blood samples (convalescent) were collected and sent to the Uganda Virus Research Institute (UVRI) for diagnostic tests. In addition, active case search conducted in the community, surveillance for yellow fever enhanced and risk communication and social mobilization.
- A new multi-purpose, Infectious Diseases Unit was officially opened today 20 December by His Excellency Gen. Taban Deng Gai; the First Vice President of South Sudan. The 24-bed capacity Infectious Diseases Unit is established as part of the national emergency preparedness and response efforts. This unit, which is housed within the Dr John Garang Diagnostic Center, is established to safely isolate and care for patients with highly infectious diseases including those with suspected Ebola Virus Disease (EVD) while they await laboratory confirmation. It was constructed by WHO in collaboration with the Ministry of Health. The Unit will also serve as a training and simulation facility to build national capacity in management of infectious diseases.

## Public Health Risks and Key Gaps

- As at the end of December 2018, the completeness for IDSR reporting at the county level was 53% while completeness for EWARS reporting from the health facilities serving IDPs was 44%.
- Malaria remains the top cause of morbidity and mortality accounting for 52.7% of all morbidities and 60% of all mortalities as at the end of December, 2018. Consequently, trend analyses showed that 2 counties in one state hub had malaria trends that are significantly higher than the expected. Counties with malaria trends that exceeded the threshold (third quartile of trends for the period 2013-2017) include: **Aweil hub** (Aweil East and Aweil West)
- Three (3) EVD alerts were investigated and cleared of Ebola Zaire virus in December 2018.

## Measles Outbreak in Rumbek East

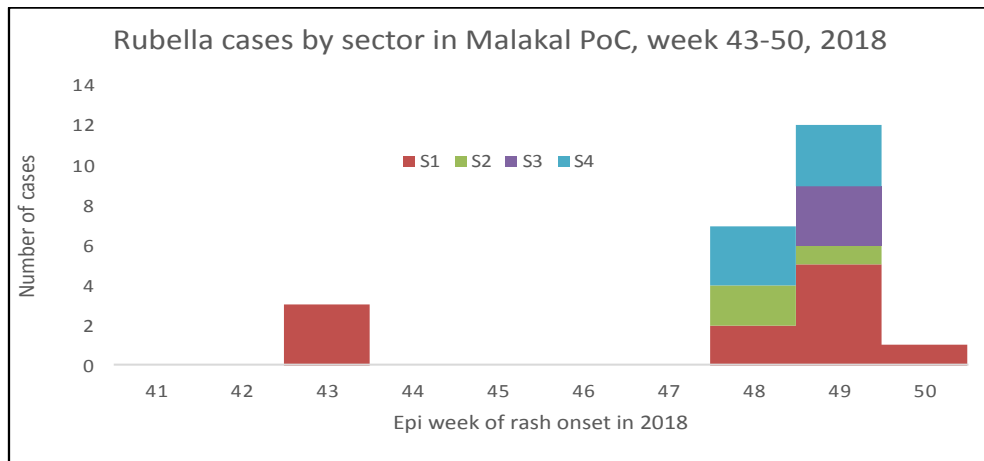
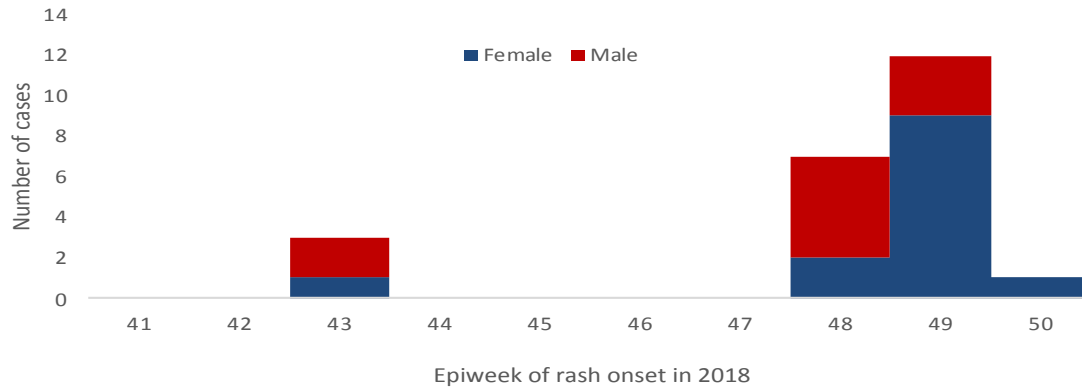
- The confirmed measles outbreak in Rumbek East continued in the month of December 2018.
- The suspected measles cases were reported from Mabor Duang village, Aduel payam in Rumbek East where the initial suspect case was a 38 year female whose illness started on 12 October 2018 in week 41. Out of the 82 cases as at the end of December, 2018, 9 cases were laboratory confirmed. Three (CFR 3.6%) deaths were reported. The majority of the cases, 55 (67%), were children < 5 years of age. Reactive vaccination campaign and active case finding and surveillance were some of the recommended responses.

Age groups	Male	Female	Total	Percentage, %	Cumulative %
<1		5	5	6.1	6.1
1-4	25	25	50	61.0	67.1
5-9	8	7	15	18.3	85.4
10-14	2	3	5	6.1	91.5
15+	4	3	7	8.5	100.0
Total cases	39	43	82	100.0	

**Rubella Outbreak in Malakal PoC**

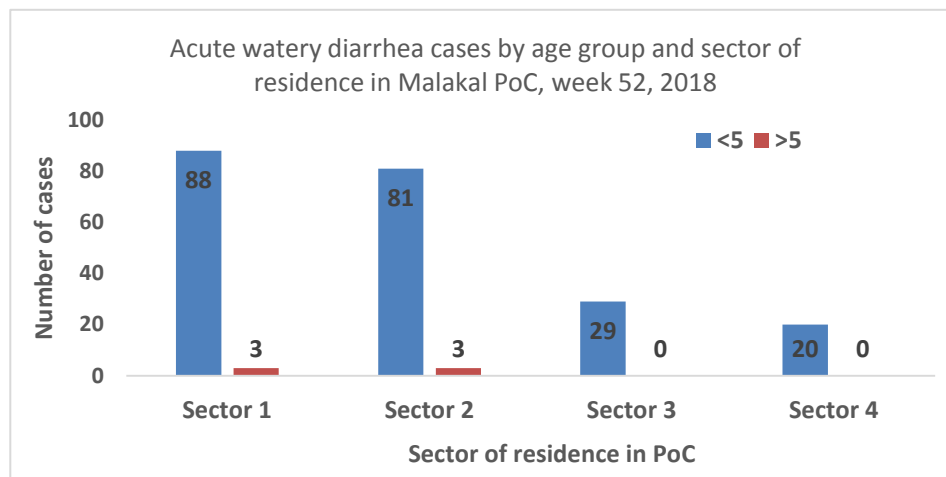
- Suspected measles cases were reported from Sector 1; Block 1 of Malakal PoC on 27 Oct 2018. All the cases that tested for Measles tested negative for Measles IgM antibodies. Out of the 23 cases as at the end of December, 2018, 15 cases tested positive for Rubella IgM antibodies. There were no deaths reported. There were no cases reported among females within the reproductive age groups. The recommended responses entailed active surveillance and sensitization on routine immunization.

Rubella Cases by gender in Malakal PoC, week 43-50, 2018



**Acute Watery Diarrhea Cases in Malakal**

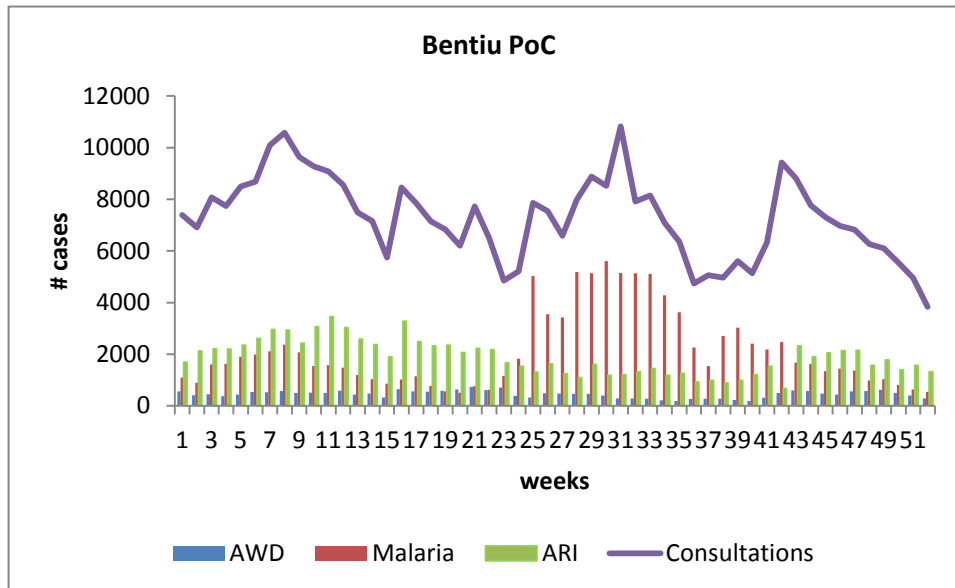
- An increase in AWD cases reported in Malakal PoC and Malakal Town were reported in week 51, 2018. A total of 288 cases were seen in Malakal PoC while 49 cases were reported from Malakal Town. The majority of the cases are children below 5 years of age. No deaths were reported.
- Part of the recommendation was to collect samples for laboratory identification of the causative organisms.



## Health Cluster Sub-national Response Analysis

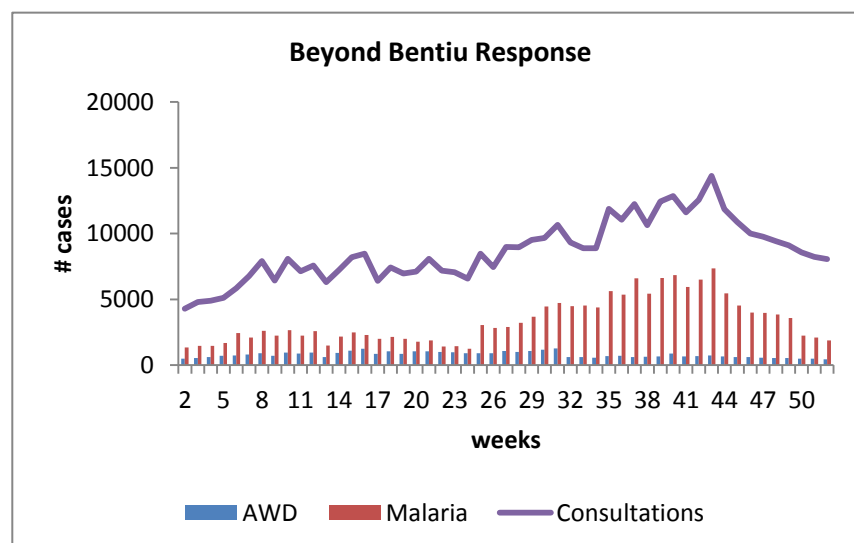
### Bentiu PoC

- Under 5 mortality rate = 0.11/day/10,000 (Emergency threshold: 2/day/10,000)
- Crude mortality rate = 0.12/day/10,000 (Emergency threshold: 1/day/10,000)
- A half day breast crawl orientation was conducted by UNICEF for all midwives.



### Beyond Bentiu Response

- WHO facilitated IDSR training for key staff from health facilities in across 4 counties i.e. Rubkona, Guit, Koch and Mayom
- The Health Cluster together with the Ministry of Health and health partners led World AIDS Day commemorations both in PoC and Rubkona town where the state event was held. The theme was "Know your status", thus community members were encouraged to get tested for HIV. The message was communicated through speeches from various stakeholders, drama, traditional dances, songs and radio programmes. HIV counseling and testing centres were set up at various locations to increase access to testing on the day. A total of 585 people were tested of which 20 tested positive for HIV and were referred for further care and support. In the PoC there was a marathon which raised 33,000 SSP. The money was donated to 3 CBOs supporting the disabled, widows and orphans. There were also football matches as part of activities on the day.



## Progress on Health Cluster Work Plan

- Resource Mobilization - The cluster mobilized US \$ 6 million to support the health cluster 2019 response.

## Partner Implementation Key Highlights

- **Health Link South Sudan (HLSS)** – in collaboration with IOM and UNICEF reached 1,189 children 6 months to 15 years with measles vaccine, 1,136 children 6 months to 15 years with Polio vaccine, 126 women of reproductive age with tetanus toxoid (TT) vaccines and conducted 465 curative consultations during the Rapid Response mission to Tonga; launched and operationalized one CEMoNC center at Imehejek County Hospital and conducted the very first caesarean Section; Procured and Prepositioned 2 Ambulances, 1 in Lopa/Lafon County and 1 in Ikwoto County to support referrals services; Trained 26 Cold Chain Assistants in Ikwoto and Lopa/Lafon and conducted nutrition SMART survey in Ikwoto County to ascertain the prevalence of acute malnutrition among children aged 6 to 59 months and estimate crude and under five mortality rates in Ikwoto.
- **Impact Health Organization (IHO)** - reached 994 individuals including boys, girls, men and women with health education; conducted 772 consultations (122 children under five years); treated 242 uncomplicated cases of malaria with ACTs both under five and above five; 621 individuals tested with malaria RDTs of which 232 tested positive for malaria; 2 deliveries were supported by a skilled mid-wife; 52 pregnant women attended Antenatal care services; 110 children under 5 years were screened for SAM and MAM and 74 children received measles vaccination.
- **The MENTOR Initiative** – carried out assessment visits in refugee camps (Maban and Jamjang) and in PoCs of Bentiu and Malakal for mosquito larvae and application of larviciding in the potential breeding sites, implemented mass drug administration for onchocerciasis (river blindness) and lymphatic filariasis (elephantiasis) in Yambio, Nzara, Ibba and Mairidi counties of Western Equatoria, conducted behaviour change communication (BCC) sessions in Maban and Jamjang refugee camps.
- **MAGNA** – conducted 493 (239 male, 254 female) curative consultations, 627 (319 male, 308 female) children under 5 years old screened for malnutrition, 8 (5 male, 3 female) children under 5 years old with severe acute malnutrition with medical complication treated in stabilization centre.
- **IOM** – provided 69,625 consultations in seven IOM static clinics in Wau, Bentiu and Malakal PoCs and collections sites as well as in three IOM-supported mobile clinics in Jebel Kher, Farajallah and Bazia; commemorated World AIDS Day 2018 in the three PoC sites (Bentiu, Malakal, and Wau) and throughout all sites where implementing partners (NEPWU and SSNEP+) are operational with HIV counselling and testing services as well as community activities to increase HIV/AIDS awareness.



A midwife attending to a pregnant woman in a mobile clinic. Photo: IHO.



World AIDS Day 2018 Marathon in Bentiu. Photo: IOM.

- **Hold the Child** - continued provision of integrated emergency lifesaving health services through Mobile and Static health Facilities in Duk County. Conducted a total 350 consultations (37% children above the age of 5 years), treated 154 malaria cases, reached 45 children under the age of one year with measles vaccination, A total of 2,104, (65% were female) people were reached with Health Education including integration of health and other lifesaving activities, conducted a total of 10 deliveries by skilled birth attendants.
- **Health Action AiD (HAA)** – conducted 765 curative consultations, 86 antenatal care, conducted 13 delivery by skilled birth attendants, treated 71 malaria cases, diagnosed 321 patients for malaria using RDTs, distributed 67 condoms, 1,220 patients received ACT Amodiaquine in Dosho Primary Health Care Unit (PHCU) Kediba Payam Mundri East County; conducted 1,016 curative consultations, 9 deliveries supported by skilled birth attendants, treated 423 malaria cases, treated 91 pneumonia cases, treated 91 diarrhea cases with ORS and 1,234 condoms distributed in Kediba PHCC Mundri East County.
- **Medicos del Mundo (MdM)** – in collaboration with Sudan Medical Care (SMC), conducted 534 outpatient (OPD) consultations (45% were given to children U5), 134 children U5 were screened for malnutrition. Furthermore, 20 children U5 were provided with deworming tablets and 17 children U5 were supplemented with Vitamin A, 17 children aged between 6-59 months received measles vaccinations, and 34 pregnant women attended at least first 4 ANC visits. 34 ANC clients received folic acid and 10 received 4th dose of TT vaccination, 36 patients with uncomplicated diarrhoea cases treated with ORS and Zinc, 73 patients with uncomplicated malaria cases were treated with ACT and 49 patients with uncomplicated respiratory infection were treated in remote areas through the provision of two mobile units in Bor South County.
- **International Medical Corps' (IMC)** – provided outpatient department consultations to a total 24,534 patients (9,723 children under the age of 5 years), routine immunization centers reached 259 children under the age of one year with measles vaccination, a total of 5,679 people were reached with HIV, sexual and reproductive health (SRH) and gender based violence (GBV) information and services, Mental Health and Psychosocial Support team have seen 48 new clients and provided follow up services to 282, stabilization center in Juba PoC treated at total of 9 children under the age of five years of SAM cases with medical complications, reached 352 pregnant women for ANC 1 and 235 for ANC 4, Skilled birth attendants conducted a total of 261 deliveries across the IMC operated maternity/health facilities, performed 43 major surgeries including one caesarean sections in Malakal and Juba PoC operation theatres, a total of 284 new mothers received postpartum care, modern family planning methods have been accepted by 94 new clients.
- **WHO** - deployed a multidisciplinary team of experts to undertake an in-depth epidemiological; entomological; and laboratory investigations to intensify the health response to the yellow fever outbreak, trained 60 vaccination team members drawn from the states of Juba, Yei, Yambio and Nimule participated in Good Clinical Practice (GCP) and Ebola vaccination techniques, deployed Rapid Response Teams following the EVD alerts reported from the high risk areas, conducted EVD comprehensive training for 30 participants, (18 nurses, 6 laboratory technicians, 2 mid-wives, 3 clinical officers, and 1 public health officer), supported the implementation of integrated vaccination campaign in Longechuk county of Upper Nile that took place for the 1st time since April 2016. This campaign targets several age group for different antigens (Polio (0 - 59 months), Measles (6 – 59 months), Men-A (1 to 29yrs) and TT (women of 15 to 49 yrs). As of 15 December 2018, a total of 24,603 (31%), 10,540 (52%), 13,051 (57%) and 11,723 (41%) of target population were vaccinated with meningitis, measles, oral polio vaccine and TT vaccines respectively, prepositioned 50 complete kits of PPEs and 50 Laboratory sample collection kits and 10 sample transportation kits in Yambio, Yei, Nimule, Maridi and the Public Health Emergency operations centre in Juba, provided surgical trauma kits and other assorted emergency supplies to CUAMM and County Health Department for trauma cases management following the attack by the Youth Group in Rumbek.



Community leaders meeting on AAP in Manajang.  
Photo: CMA.

- **Christian Mission Aid (CMA)** - engaged a total of 45 (30 male and 15 women) community leaders in Manajang Payam, Fangak County as part of the accountability to the affected population strategy in Manajang Payam, Fangak County, established a laboratory in Pultruk PHCC, Nyirol County and tested 42 suspected Brucella (16 tested positive and 26 tested negative) cases and 19 suspected typhoid cases ( 2 tested positive and 17 tested negative).
- **The Rescue initiative South Sudan (TRI-SS)** - conducted 360 consultations in the IDP camp in Karijo, Liwolo Payam, Kajo-keji County, 20 women attended antenatal care services, 420 people reached with health education messages, 450 children screened for malnutrition and 5 moderate malnutrition (MAM) cases referred for outpatient therapeutic programme (OTP).
- **John Dau Foundation (JDF)** – conducted 7, 800 consultations; 2 800 children received malaria treatment, 8600 people reached with health education, 1,700 children reached with integrated community case management (ICCM) services, 1070 under five children screened for SAM and MAM, 100 mothers attended by skilled birth attendants. A total of 850 children were vaccinated against vaccine preventable diseases, 400 pregnant and women of childbearing age received tetanus toxoid while 200 pregnant mothers received antenatal care services, 200 pregnant women counselled and tested for HIV, 22 mothers counselled and enrolled in family planning, 500 long lasting insecticidal nets (LLINs) distributed to pregnant women and children under one year old.
- **Nile Hope-** conducted a total of 850 consultations in two mobile clinics in Uror County, 118 children screened and referred for OTP, 101 mothers attended ANC services, vaccinated a total of 228 children with measles vaccine and 34 with Penta3 vaccine.

#### Implementation Challenges

- The loss of the Health cluster Co coordinator for long periods makes it challenging to get through the cluster deliverables.

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