

## ARUA MENINGITIS EPIDEMIC UPDATE, January 28th 2008

Table 1.0: Arua District Meningitis Summary Figures for Week ending 27<sup>th</sup> January 2008[Epi-week 4]

NEW CASES (21 <sup>st</sup> - 27 <sup>th</sup> January 08)	CUMULATIVE CASES	NEW DEATH (21 <sup>st</sup> - 27 <sup>th</sup> January 08)	CUMULATIVE DEATH	CFR [%]
82	380	2	17	4.5

### Highlights

- ✚ There has been a decline in cases this week[epi-week 4] relative to the previous week[epi-week 3] as shown in figure 1.1 below
- ✚ Mass vaccination was successfully conducted this week in 8 affected sub counties, achieving an overall average coverage of 108.0% of the target population

### Response

#### ✚ Case Management

- Technical support supervision visits of all the treatment centers continued to be carried out this week
- WHO provided more oily CAF[2400 vials] this week
- The current stocks of Drugs and medical supplies in the district are adequate
- MSF brought in two staff[ doctor and nurse] to support case management

#### ✚ Surveillance and Laboratory

- Both Active and routine surveillance continued to be carried out this week. Line lists maintained at the treatment centers are either transmitted to the DSFP by radio or collected by the support supervision teams
- Laboratory technologist from CPHL continued to conduct on job training/technical supervision on specimen handling and processing/management.
- CPHL reported no growth from three CSF specimens collected from patients in Rigbo and Rhino Camp sub counties.
- Three more CSF specimen collected from patients in Rigbo and Rhino Camp sub counties were delivered to CPHL-results expected mid this week
- WHO provided one rapid test kit

#### ✚ Social Mobilization

- Film van ,Radio talk shows and spots continued to be used for mobilization
- IEC materials translated in the local language were delivered to the district and subsequently distributed to the affected sub counties
- Local District leaders participated in mobilization of the communities for mass vaccination

#### ✚ Coordination

- Daily technical coordination meetings by the DHT,DHMT and partners were carried out
- One multisectoral meningitis outbreak district task force meeting was conducted
- Continued to follow up the situation in neighboring districts [Nebbi, Yumbe, Moyo, Koboko & Adjumani] through Telephone discussions
  - Three and Eleven suspected cases were reported in Koboko and Adjumani districts respectively
  - Advised the districts on collection and onward transmission of CSF specimen for confirmation
  - Delivered some supplies to Koboko & should pre-position some in Adjumani this week

#### ✚ Vaccination

- Mass vaccination was successfully completed-detailed results outlined below

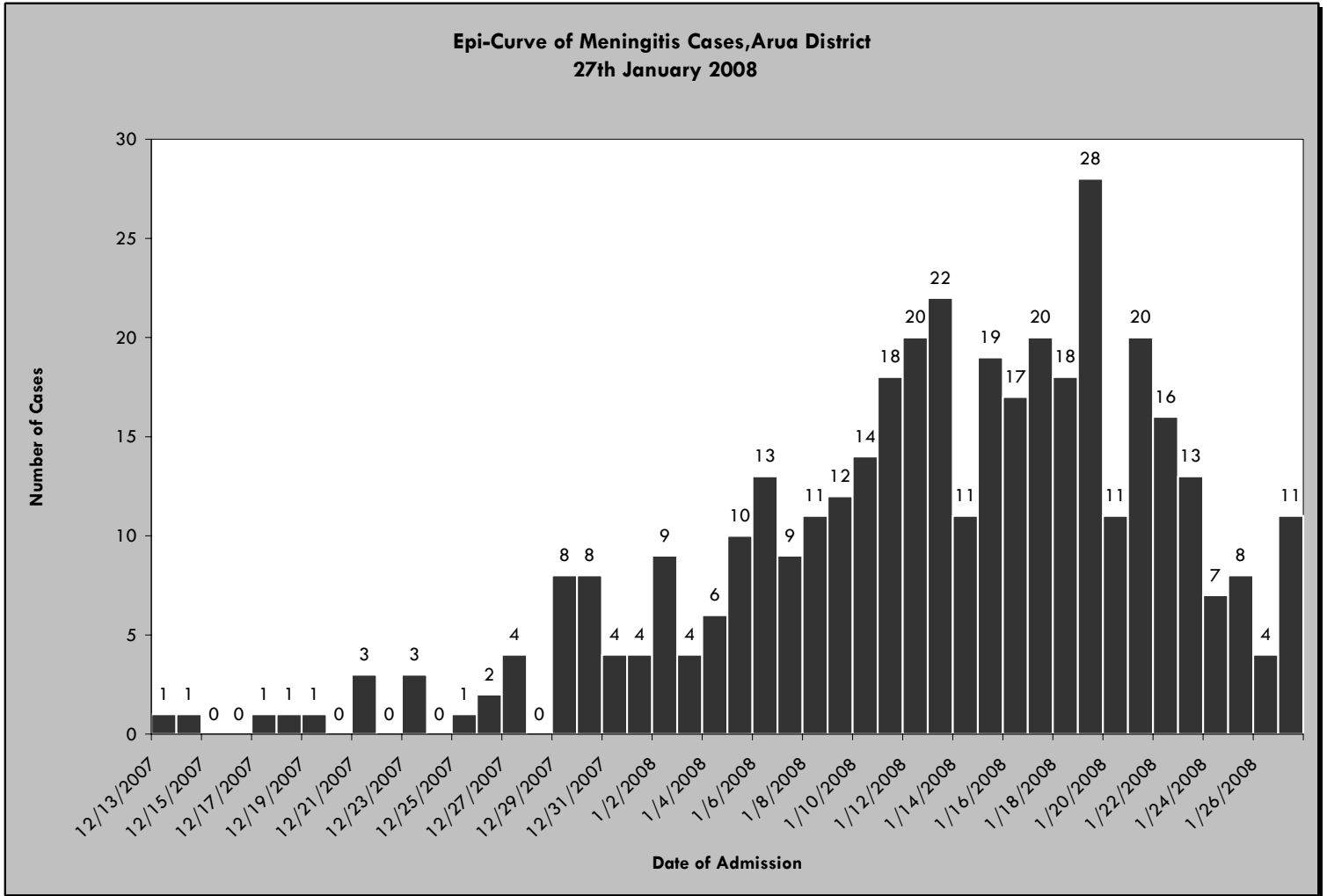
Sub county	Target Popn vaccinated	Total No. Vaccinated	% Coverage
Ajia	14,827	15,748	94.6
Arivu	15,645	16,821	104.4
Ogoko	10,879	11,641	98.4
Logiri	19,277	21,601	98.0
Vurra	34,027	36,441	130.3
Uleppi	5,917	6,191	117.4
Offaka	13,744	14,052	98.2
Okollo	11,198	11,411	115.1
<b>Total</b>	<b>125,514</b>	<b>133,906</b>	<b>108.0</b>

- The extremely high coverage in the sub counties of Vurra and Uleppi is primarily attributed to the influx of individuals from neighboring DR Congo and Nebbi district respectively during the vaccination exercise.
- Physical count of Vaccine balance at the DVS is 7,090 doses.

- One case of AEFI was reported from Vurra S/C
- ✚ Challenges
  - Fuel shortage and escalating costs of the limited amount present
  - Load shedding of electricity- generator being used
  - Misinformation of the post workers on allowances due to them following the vaccination exercise.

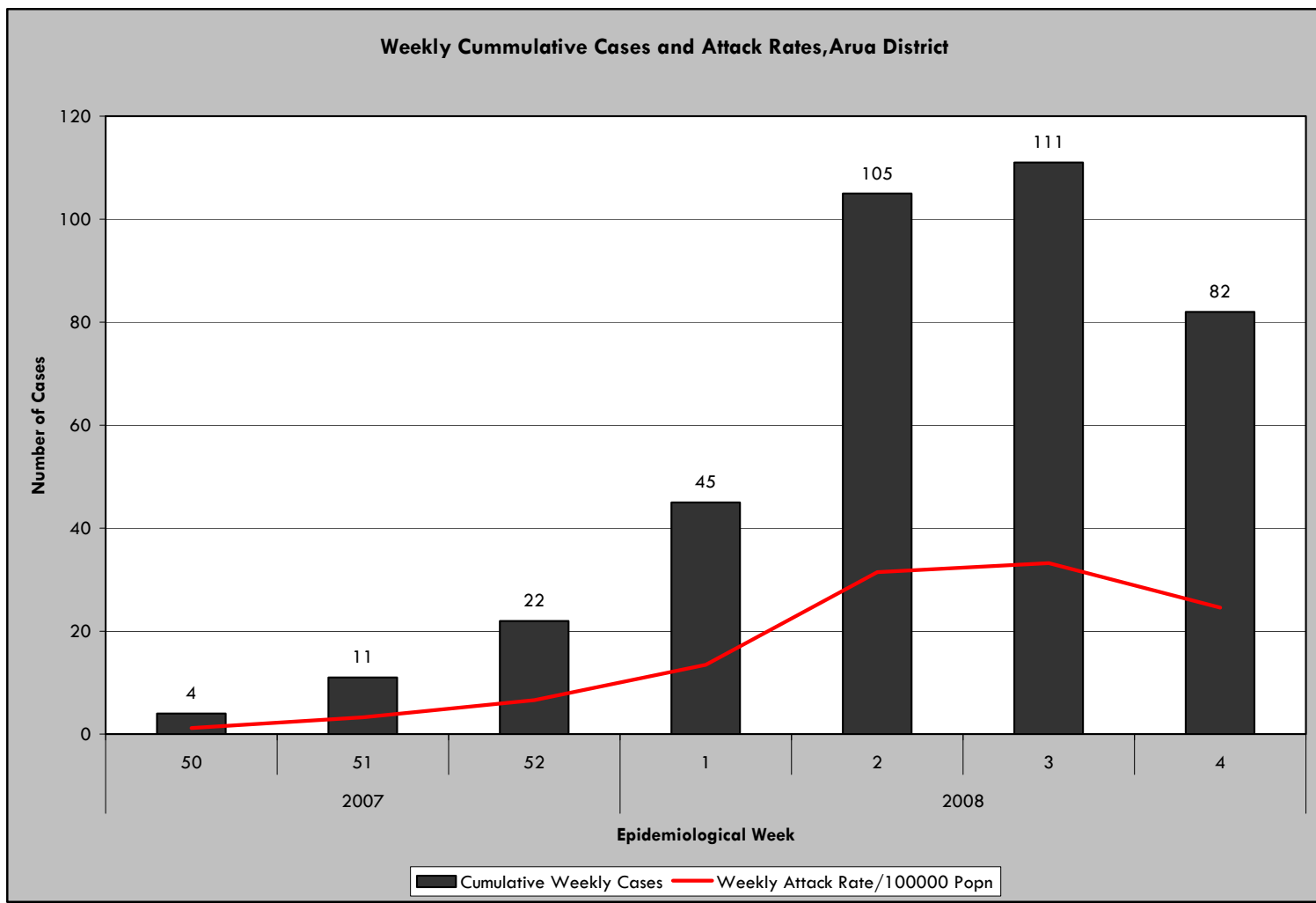
### DISTRICT DESCRIPTIVE EPIDEMIOLOGY

The meningitis epidemic showed a declining trend this week as demonstrated in the epi-curve in figure 1.0.  
**Figure: 1.0.**



There has been a decline in cases this week [epi-week 4] relative to last week [epi-week 3] as indicated in figure 1.1 below.

**Figure 1.1: Weekly Cumulative Cases and Attack Rates, Arua District**



**Table 1.1: Weekly Attack Rates by Sub County**

Subcounty	Population	Weekly Attack Rates							Cumulative AR/100000
		2007			2008				
		50	51	52	1	2	3	4	
AJIA	21700	18.4	23.0	27.6	96.8	175.1	129.0	138.2	608.3
ARIVU	20600	0.0	14.6	43.7	63.1	131.1	174.8	174.8	601.9
LOGIRI	27400	0.0	3.6	14.6	3.6	0.0	7.3	3.6	32.8
VURRA	36300	0.0	2.8	5.5	2.8	2.8	2.8	0.0	16.5
OFFAKA	20000	0.0	0.0	0.0	5.0	0.0	0.0	5.0	10.0
RIGBO	39100	0.0	0.0	0.0	15.3	7.7	61.4	20.5	104.9
RHINO CAMP	18100	0.0	0.0	0.0	11.0	49.7	5.5	5.5	71.8
PAJULLU	43800	0.0	0.0	0.0	0.0	2.3	0.0	0.0	2.3
ULLEPI	7200	0.0	13.9	0.0	0.0	0.0	41.7	0.0	55.6
DADAMU	33000	0.0	0.0	3.0	0.0	3.0	3.0	3.0	12.1
OGOKO	15800	0.0	0.0	0.0	0.0	158.2	63.3	25.3	246.8
ADUMI	51000	0.0	0.0	0.0	0.0	0.0	9.8	0.0	9.8
<b>Total</b>	<b>334000</b>	<b>1.2</b>	<b>3.3</b>	<b>6.6</b>	<b>13.5</b>	<b>31.4</b>	<b>33.2</b>	<b>24.6</b>	<b>113.8</b>

Arivu , Ajia ,Ogoko and Rigbo sub counties continued to have the highest attack rates in the district.

**Conclusion:**

The declining trend of the meningitis epidemic in Arua should continue, following successful implementation of mass vaccination campaign in the district this week.

Reported by:  
**Dr. Ongom Moses**  
**WHO Field-based Officer**  
**Arua District**  
**27<sup>th</sup> January 2008**