



COMMUNICABLE DISEASE WEEKLY UPDATE

Internally Displaced Persons, Vavuniya District

No 7; Week 32 & 33 (01 - 14 August 2009)



As of 13 August 2009, the total number of IDPs was 248,813. The number of families was 79,678. About 95% of the IDPs were in Cheddikulam MOH area (i.e. 235,707). The remaining (13,106) were in Vavuniya MOH area.

Disease Surveillance

Disease surveillance in the zones (zone 0-5) is coordinated by the Cheddikulam Coordination Centre. The total number of IDPs in these zones was 211,588 (85% of IDPs). Under the WHO funded project "Strengthening of public health services to control the spread of communicable diseases among IDPs", 13 Public Health Inspectors have been appointed to monitor environmental sanitation and disease surveillance in the zones. This project will be implemented by the Epidemiology Unit, Ministry of Health.

In the remaining IDP sites in Cheddikulam and Vavuniya MOH areas, which are smaller in size, disease surveillance activities are conducted by the respective MOH. As there are issues regarding the jurisdiction of some of the newly opened IDP sites, the flow of disease surveillance information from those sites is not satisfactory.

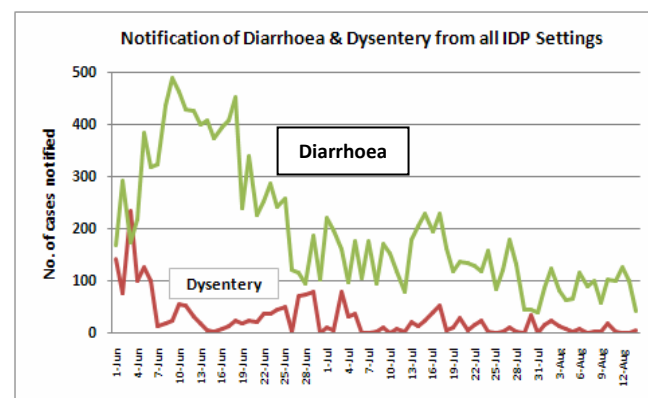
Table 1 shows the trend of weekly incidence for priority diseases based on the notifications from field hospitals/mobile health units during June 20 - August 14, 2009. Except for dysentery, for all other diseases analyzed, incidence rates for the week August 08 - 14 was slightly higher than that of previous week (August 01 - 07). There

was a marked reduction in the incidence for dysentery from 33 to 17/100,000 during this period.

Diarrhoea

Field notification: Compared to the previous weeks, despite small 'peaks' in the number of diarrhoea cases notified, generally a decreasing trend (Fig. I) has been observed during the reporting period (01-14 August 2009). During the last week of reporting period (08-14 August), more than 100 diarrhoea cases were reported from zone 2 (159), zone 1 (124) and zone 3 (103).

Fig I: Field notification of diarrhoea and dysentery cases 01 June - 14 August 2009

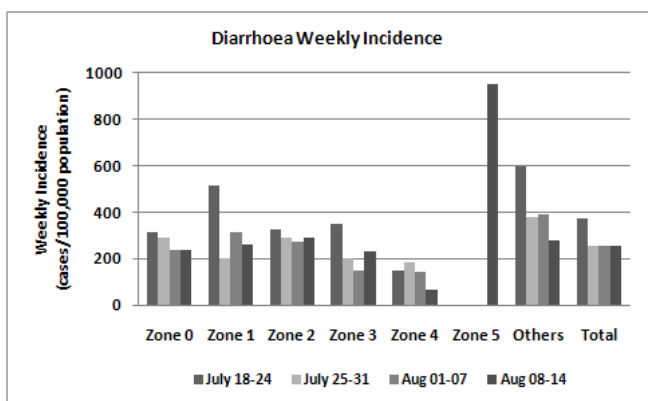


As shown in Fig. II, the incidence rates of diarrhoea for the last week of reporting period (August 08-14) in zone 5 (949/100,000), zone 2 (290/100,000), smaller camps (277/100,000), and zone 1 (263/100,000) were more than the average incidence for all IDP sites (256/100,000).

Table 1: Trend of weekly incidence for priority diseases from 20 June to 31 July 2009

Disease	Weekly Incidence/ 100,000 population (June/July 2009)							
	June 20-26	June 27- July 03	July 4-10	July 11-17	July 18-24	July 25-31	Aug 01-07	Aug 08-14
Hepatitis A	240	102	94	57	35	30	25	29
Chickenpox	158	108	61	80	58	76	94	95
Dysentery	85	124	33	66	39	23	33	17
Diarrhoea	658	413	383	483	374	254	254	256

Fig II: Trend of weekly notification of diarrhoea cases by IDP site



Dysentery

Field notification: Compared to previous weeks, a declining trend in the number of cases (Fig I) was observed during 01-14 August 2009. As shown in the Fig. III, incidence rates for week August 08-14 in smaller camps (40/100,000) was more than the average incidence for all IDP sites (17/100,000). This was due to a small outbreak reported from the Periyakomarasankulam School IDP camp.

Fig III: Trend of weekly notification of dysentery cases by IDP site

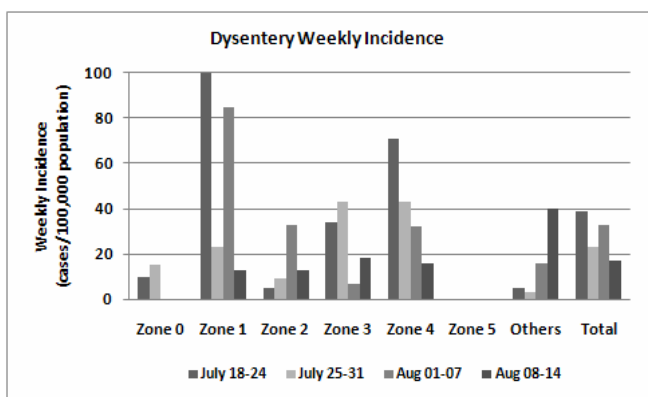
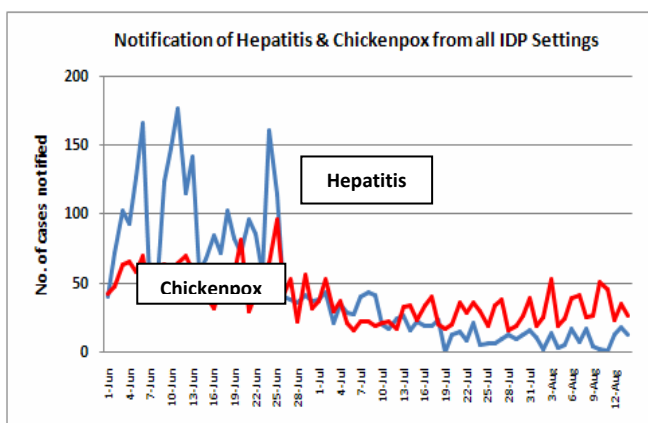


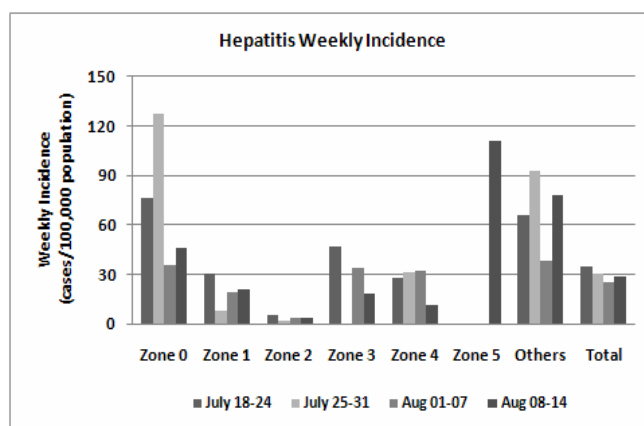
Fig IV: Field notification of hepatitis and chickenpox cases 01 June - 14 August 2009



Hepatitis A

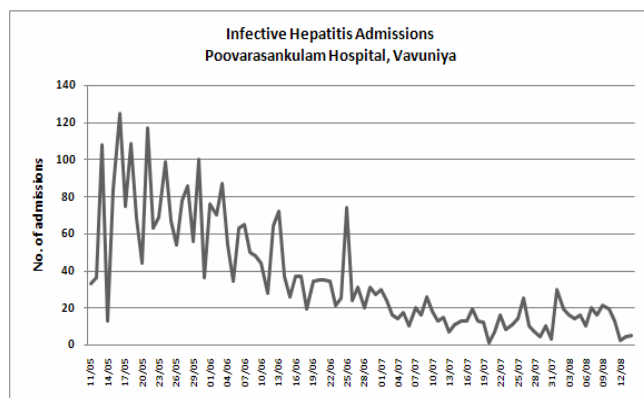
Field notification: Though generally there was a declining trend, small “peaks” in the number of hepatitis field notifications was observed during the reporting period (Fig. IV). As shown in Fig. V, incidence rates for the last week of reporting period (August 08-14) in zone 5 (111/100,000), smaller camps (78/100,000) and zone 0 (46/100,000) were more than the average incidence rate of hepatitis for all IDP sites (29/100,000).

Fig V: Trend of weekly notification of hepatitis cases by IDP site



Hospital admissions: Since the beginning of isolation at Poovarasankulam Divisional Hospital (i.e. 11 May 2009) up to 14 August 2009, the cumulative total of hepatitis admissions was 3450. Numbers of admission during the reporting period were 125 (August 01-07) and 80 (August 08-14). The trend in the number of field notifications was well reflected in the number of hospital admissions also i.e. small “peaks” were observed during the reporting period (Fig. VI).

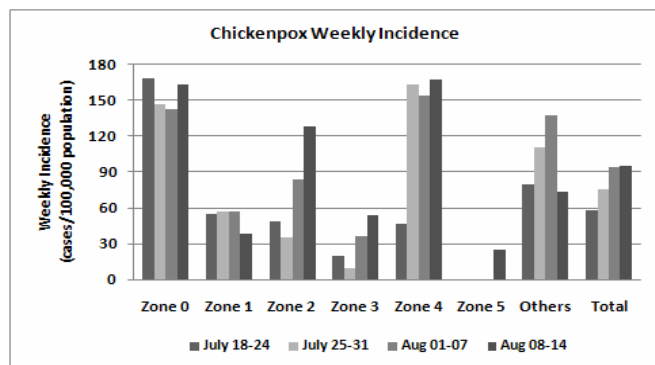
Fig. VI: Trend of hepatitis admissions to the isolation facility from 11 May - 14 August 2009



Chickenpox

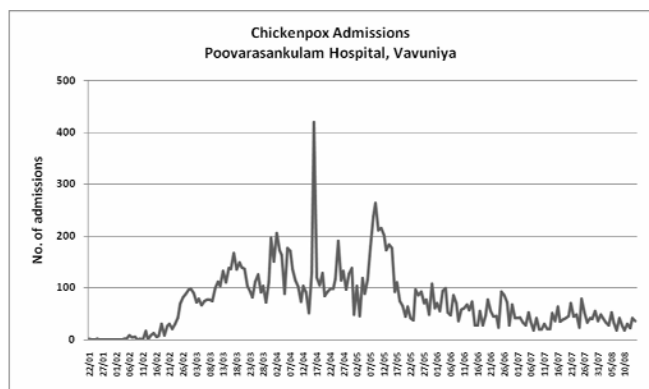
Field notification: Since middle July, the number of field notifications was gradually going up (Fig. IV). This trend warrants investigation. As shown in the Fig. VII, the incidence of chickenpox in the last reporting week was much higher in zone 4 (167/100,000), zone 0 (163/100,000) and zone 2 (128/100,000) than the average incidence for all IDP sites (95/100,000).

Fig VII: Trend of weekly notification of chickenpox cases by IDP site



Hospital admissions: Since the beginning of isolation at Poovarasankulam Hospital (i.e. 22 January 2009) up to 14 August 2009, the cumulative total of chickenpox admissions was 14,914. The number of admissions during the reporting period were 254 (August 01-07) and 215 (August 08-14).

Fig. VIII: Trend of chickenpox admissions to the isolation facility from 22 January - 14 August 2009



Suspected measles cases

Hospital admissions: Since June 27 up to 14 August 2009, 57 suspected measles cases were admitted to Poovarasankulam Hospital. A significant proportion of these cases were in their teens. As the initial laboratory investigations have shown the presence of rubella also among IDPs (which was also reported as measles),

laboratory confirmation of measles is very essential to decide on the preventive strategies such as immunization for older age groups also.

Mumps

Since June 25 up to 14 August 2009, 12 mumps cases were admitted to Poovarasankulam Hospital. Probably due to high prevalence of immunity among IDPs following past infection, despite their vulnerability, up to now none of the IDP sites reported mumps outbreaks.

Typhoid fever

Field notification: Since 01 June up to 14 August 2009, 301 cases of enteric fever were notified from IDP sites. The numbers of notifications during the reporting period were: 20 during August 01-07 (06 from zone 3 & 05 from zone 4) and 17 during August 08-14 (06 each from zone 3 & 4).

Meningitis

Since June 19 up to 14 August 2009, Cheddikulam and Vavuniya MOH Offices received 40 notifications of meningitis/ encephalitis/ meningo-encephalitis cases from GH Vavuniya (37), TH Anuradhapura (02) and Police Hospital (01). Except one, all these patients were IDPs. The remaining case was a Police Officer served at Cheddikulam. Notably, no cases have been reported from the host population. Out of these patients, 13 were residents of zone 2 and 09 were from zone 3.

Malaria

Field notification: Since 01 June up to 14 August 2009, 291 cases were notified from IDP sites. The numbers of notifications during the reporting period were: 13 during August 01-07 and 09 during August 08-14. All these cases were notified on 'clinical suspicion' and none were confirmed by microscopic examination of blood films.

Others

Up to August 09, 2009 a total of 1699 antenatal mothers have been screened (i.e. 43% of the estimated number of pregnant mothers) for syphilis by the STD/AIDS Control Programme. Among those screened, 07 reported VDRL positive. However, the confirmative test (TPPA) was negative for all.

Data sources: Cheddikulam Coordination Centre, Vavuniya & Cheddikulam MOH Offices, RDHS Office, Poovarasankulam Hospital, STD/AIDS Control Programme, Anti-Malaria Campaign & District Secretariat, Vavuniya

Annexure: Distribution of notified cases of priority diseases by IDP site (period of analysis August 08 - 14, 2009)

Disease	IDP Site	No. of cases reported during August 08 - 14, 2009	Cumulative total of cases reported during June 01 - August 14, 2009	Blocks (within zones) & smaller camps reported large number of cases
Hepatitis	Zone 0	09	334	Block B & H
	Zone 1	10	801	Block M & Q
	Zone 2	02	553	-
	Zone 3	08	884	-
	Zone 4	04	514	Block E9
	Zone 5	09	96	Block 6
	Smaller camps/ sites	29	358	Veerapuram & Sumathipuram
	Total	71	3540	
Chickenpox	Zone 0	32	271	Blocks A, B, D, I & K
	Zone 1	18	384	Block E, J & R
	Zone 2	70	438	Block 19, 41 & 49
	Zone 3	24	192	Block 2
	Zone 4	63	808	Block E3 & E6
	Zone 5	02	75	Block 11
	Smaller camps/ sites	27	860	Veerapuram, Sumathipuram & Thandikulam School
	Total	236	3028	
Dysentery	Zone 0	00	37	-
	Zone 1	06	307	Block B
	Zone 2	07	398	Block 19 & 49
	Zone 3	08	227	-
	Zone 4	06	1144	-
	Zone 5	00	03	-
	Smaller camps/ sites	15	54	Periyakomarasankulam MV
	Total	42	2170	
Diarrhoea	Zone 0	47	1038	Block D, H & I
	Zone 1	124	2228	Block J, K, R & S
	Zone 2	159	2911	Block 5, 26, 41 & 49
	Zone 3	103	3019	Block 7, 15, 17, 24 & 25
	Zone 4	24	2966	Block C2 & E4
	Zone 5	77	425	Block 8,9,10 & 11
	Smaller camps/ sites	103	2462	Periyakomarasankulam MV
	Total	637	15049	