

Fiji Communicable Disease Bulletin .
Issue 1:September 2008

Figure 1: Fiji Syndromic surveillance

Syndrome	MONTH OF ONSET			
	June	July	August	2008 YTD (August)
Diarrhoea ¹	817	812	720	9608
Diarrhoea with blood ²	20	9	6	131
Influenza-like illness ³	1271	504	486	9850
Acute respiratory infection. ⁴	1984	1611	1535	18474
Acute fever & rash ⁵	2	0	1	6
Acute flaccid paralysis ⁵	1	1	0	3

Notes :

1 Source: Fiji National Notifiable Diseases Surveillance System (NNDSS); reported as "acute gastroenteritis", "enteritis", "gastroenteritis", "infective diarrhea", "mild gastroenteritis", or "infective enteritis".

2 Source: NNDSS; reported as "dysentery amoebic & bacillary"

3 Source: NNDSS; reported as "influenza", or "influenza-like illness".

4 Source: NNDSS; reported as " pneumonia", " acute respiratory infection", " acute respiratory illness", " upper respiratory tract infection", " .

5 Source: Hospital Based Active Surveillance System (HBAS)

Figure 2 : Laboratory confirmed new cases from Fiji Centre for Communicable Disease Control (FCCDC) and divisional laboratories.

Selected Diseases	2008			
	Tests requested August	Tests performed August	Positive August	2008 YTD (August)
Measles ¹	2	0	0	0
Rubella ¹	1	0	0	0
Dengue Fever ¹	123	113	60	114
Influenza ¹	2	0	0	0
Leptospirosis ¹	63	0	0	45
HIV/AIDS ¹	162	162	-	12
Typhoid fever ²	N.A	N.A	N.A	437
Cholera ²	N.A	N.A	N.A	0

Notes :

N.A : Not available

Data Source : 1 : FCCDC Laboratory (Mataika House) 2: Divisional Laboratories CWMH, Labasa & Lautoka Nb: HIV : As reported in the last quarter

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For any inquiries or suggestions, please contact Aggie on the number listed above.

Introduction

The Fiji Centre for Communicable Disease Control (FCCDC) is Fiji's National Public Health reference laboratory. It prioritizes eight diseases : dengue fever , leptospirosis , measles , rubella , cholera , typhoid , HIV Aids and influenza , under the PPHSN system. This monthly bulletin provides an update of all priority surveillance data from divisions and Mataika House. It will include two summaries : Figure 1 will be on Syndromic reporting and figure 2 will on laboratory surveillance data .

Figure 1. Fiji National Notifiable Disease Surveillance System (NNDSS) and Hospital Based Surveillance System (HBAS)

Fiji's Public Health Act requires that all medical officers of health (including all registered private doctors and Hospital Laboratory Pathologists) are required to report weekly. Due to the lack of laboratory capabilities there is a need to surveil and report on syndromes (figure 1). AFR & AFP data is off the Pacific Hospital Based Active Surveillance System (HBAS) .The HBAS system consists of 58 hospitals across 20 Pacific countries and operates under PPHSN. Figure 3. below represents the averaged percentage of health facilities reporting by division via Fiji NNDSS.

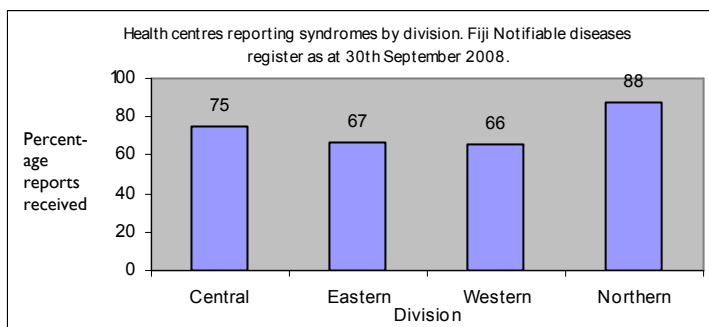


Figure 2. Laboratory Surveillance

Figure 2 shows the number of tests requested , the number of tests processed and confirmed positive in August in addition to the total number of positive tests in 2008 (ytd). Duplicate tests on the same patient are not included in this table. Measles, rubella , leptospirosis, dengue fever , influenza and HIV tests are serological whilst typhoid fever and cholera are cultured.

EPI NOTES

Dengue outbreaks in the pacific

Fiji, Tonga, New Caledonia, Kiribati, Samoa and American Samoa have reported outbreaks of dengue fever in 2008. Whilst Dengue fever is not endemic in Fiji the last significant outbreak was in 1998-1999. In Kiribati & Fiji serotype 4 was found to be responsible for the outbreak. This serotype has not been identified in the Pacific since 1995. Patients with dengue fever present with fever and symptoms like headache, body ache, rash, vomiting, bleeding or conjunctivitis. A small percentage of the patients will develop severe dengue with bleeding and /or shock which has to be treated by intravenous fluids. Figure 4. below is an update of the number of dengue fever cases in Fiji.

Figure 4. Fiji Dengue fever update .September 30th, 2008

Division	Number of Dengue fever cases confirmed
North	25
Eastern	33
Western	544
Central	988
Total number of cases	1590

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