



Weekly epidemiological bulletin Year 2009, week 5

Summary

At the end of fifth epidemiological week , 80% (33) district hospitals submitted their weekly reports . The following hospitals failed to submit their weekly reports; Kanombe , Kibungo, Nyagatare, Nyanza, Rutongo, Byumba, Kirehe and Gahini.

1. Cholera

- Cholera outbreak is ongoing in Musanze District in the Northern Province. For the week under review, a total of 29 cases were reported from Ruhengeri Hospital. There were no deaths.

2. Meningitis

- One case of Meningitis was reported from Gisenyi district hospital. The case fatality rate for the week was zero.

3. Diarrheal disease

- A total of 394 bloody diarrhea and 2002 non- bloody diarrhea cases were reported. No deaths were reported.

4. Measles

- One case each was reported by Kibuye and Kibagabaga hospitals.

5. Malaria

- A total of 13,644 cases were notified. 45% (6,137) of cases were presumed while 55% (7450) were confirmed Malaria.

6. Lower Respiratory Tract Infection

- A total of 2914 cases of LRTI were reported.

7. Others diseases:

- No reported cases for other reportable diseases

Topic of the week :Preparing for the Outbreak Investigation

Last week, we virtually listed the steps in outbreak investigation and stated that in subsequent series of the bulletin we shall discuss the various steps. This week our focus is on the very first step; “Preparing for Outbreak Investigation.” It is absolutely important to prepare very well before going to the field to investigate. The quality of your investigation to a very large extent depends on how adequately and appropriately you have prepared. The preparation should address the various needs of the investigation and the investigators.

One needs to assemble a competent Rapid Response Team and the relevant supplies and equipment. The supplies and equipments include transport media, specimen bottles, IEC materials, treatment guidelines & medical supplies, transport, communication means, investigation and surveillance forms, funds, fuel, computer , calculator , mobile phone, software (EpiInfo, Excel, Word, Internet, etc.), log book, files: templates, standard questionnaires, handbooks, relevant articles, camera, personal protective equipment, laboratory equipment, telephone list: reference centers & persons, maps, GPS, etc. These must be adopted to the particular outbreak since the logistics demands of various outbreaks varies. The local health authorities should be alerted about your visit and its purpose.

Also, it is important to consult colleagues such as microbiologists, veterinarians, entomologists etc, as the situation may demand and review the available literature on the disease condition. Decide on who will be the team leader and identify who will provide support at the head office and back home.

The team should have a one page summary of planned activities and the objectives of the investigation before leaving for the field. Even though this may change or be modified, in the field, it focuses the investigation

Arrange initial meeting for your arrival. In this meeting, ask for updates and agree on the plan of activities with local health staff.

**For comments, suggestions and
observations please contact:**

Dr. Jackson Sebeza (0788301902)

Dr Simon Antara (0788301957)

Mrs. Kabeja Adeline (0788552462)

Table 5: Epidemic Infectious Diseases Reported by District Hospitals in Rwanda, 5th Epidemiological Week, 2009

Semaine du 26 jan au 01 fév 09		Diar S.		Diar N S.		Choléra		Méningite		PFA			Rougeole			TNN		T. EPID		F.Jaune		F. Hém		Peste		Rage		P. P		P.C		IRA			
	Districts	Hôpitaux	Cas	Dc	Cas	Dc	Cas	Dc	Cas	Dc	Cas	Dc	vac	Cas	Dc	vac	Cas	Dc	Cas	Dc	Cas	Dc	Cas	Dc	Cas	Dc	Cas	Dc	Cas	Dc	Cas	Dc			
NORD	Musanze	Ruhengeri	17	0	147	0	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	141	0	12	0	nd	nd	
	Burera	Butaro	10	0	87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	0	73	0	482	0	
	Gicumbi	Byumba																																	
	Rulindo	Rutongo																															0	nd	nd
	Gakenke	Nemba	12	0	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	41	0	154	0	
	Ruli	16	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	0	65	0	105	0		
OUEST	Rubavu	Gisenyi	14	0	144	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	141	0	23	0	nd	nd	
	Nyabihu	Shyira	20	0	81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0	11	0	130	0	
	Rutsiro	Murunda	17	0	86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71	0	9	0	nd	nd	
	Ngororero	Kabaya	6	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	0	35	0	nd	nd	
		Muhororo	4	0	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	87	0	16	0	nd	nd	
	Karongi	Kibuye	15	0	72	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	189	0	277	0	313	0	
		Kilinda	5	0	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	134	0	25	0	95	0	
		Mugonero	4	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44	0	14	0	41	0	
	Nyamashoke	Kibogora	12	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	213	0	52	0	nd	nd	
		Bushenge	10	0	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	229	0	19	0	nd	nd	
Rusizi	Mibilizi	6	0	88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	270	0	320	0	nd	nd		
	Gihundwe	3	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	0	16	0	nd	nd		
SUD	Muhanga	Kabgayi	32	0	114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	268	0	310	0	nd	nd	
	Kamonyi	Remera Rukoma	14	0	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	114	0	544	0	nd	nd	
	Ruhango	Gitwe	41	0	92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	587	0	236	0	142	0	
		Nyanza																																	
		Huye	Kabutare	13	0	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	252	0	572	0	nd	nd
		Gisagara	Kibilizi	26	0	66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	658	0	1571	0	nd	
			Gakoma	5	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110	0	257	0	nd	nd
		Nyaruguru	Munini	14		55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	162	0	231	0	759	0
	Nyamagabe	Kigeme	5	0	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0	21	0	nd	nd	
		Kaduha	1	0	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57	0	11	0	119	0	
EST	Nyagatare	Nyagatare																																	
	Gatsibo	Kiziguro	5	0	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	203	0	795	0			
		Ngarama	2	0	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	391	0	473	0	nd	nd	
	Kayonza	Rwinkwavu	6	0	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	0	216	0			
		Gahini																																	
	Rwamagana	Rwamagana	13	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	213	0	400	0	nd	nd	
		Ngoma	Kibungo																																
		Bugesera	Nyamata	19	0	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	634	0	415	0	nd	nd
	Kiriche	CS Kiriche																																	
KIGALI	Gasabo	Kibagabaga	15	0	72	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	149	0	277	0	313	0	
	Kicukiro	Kanombe																																	
	Nyarugenge	CHUK	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	2	0	nd	nd		
		Muhima	12	0	174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	431	0	111	0	261	0	
		Total	394	0	2002	0	29	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	6194	0	7450	0	2914	0		

