EPIDEMIC SURVEILLANCE AND RESPONSE WEEKLY REPORT

Week 42 from 16th to 22nd October, 2017

REPUBLIC OF RWANDA

MINISTRY OF HEALTH

RWANDA BIOMEDICAL CENTER
A Healthy People. A Wealthy nation

ESR Division

SUMMARY

I. COMPLETENESS AND TIMELINESS

• For Public Health Facilities
Completeness: 94.3% Timeliness: 87.8 %
• For Privates Health Facilities
Completeness: 26.0 % Timeliness: 24.0 %

• **Overall Completeness: 79.5 %**
Timeliness: 65.1 %

II. Cases reported by Public and Private HFs:

- **Malaria:** 49,340 cases
- **Flu syndrome:** 13,928 cases
- **Non-bloody Diarrhoea:** 4,796 cases
- **Severe Pneumonia in children under five years**: 122 cases
- **Bloody diarrhoea:** 54 cases
- **Chicken pox:** 52 cases
- **Mumps:** 19 cases
- **Cholera:** 12 cases of Cholera were notified including 6 cases from Kigufi HC of Gisenyi hospital, 3 cases from Nkanka HC and 2 cases from Nkombo HC in Rusizi district and one case from Murunda hospital
- **Food poisoning:** 3 cases were notified from Nyanza hospital

HIGHLIGHT OF THE WEEK:

1. Malaria cases in Nyamata hospital catchment area: Among malaria cases notified countrywide about 20% are from Nyamata catchment area (fig.1) compared to other hospitals. **Continue on P. 2**

2. Trend of four priority diseases with highest morbidity in 2017:
The figure 3 shows the trend of cases of the highest morbidity through e-IDSR notifed during the last 42 weeks, those include Malaria, Influenza like illness, Non blood diarrhea and severe pneumonia under five years. **P.4**

III. Deaths reported: 4 deaths notified countrywide

- Three deaths due to **Malaria** were notified including two deaths Nyamata hospital and one death from Kabgayi hospital
- One death due to **Bloody diarrhea** was notified from Bitenga HC of Murunda hospital

• **Measles:** 3 suspected cases of measles were notified including two cases from Munyaga HC of Rwamagana hospital and one case from Masoro HC of Rutongo hospital
• **Meningococcal meningitis:** Three suspected cases were notified including two cases from Ngarama hospital and one case from Ruhango hospital
• **Dog bites (rabies exposure):** 14 cases of dog bites (rabies exposure) were notified including two cases each from Kibungo and Rwinkwavu hospital and one case each from Gisiza HC of Byumba, Matyazo HC of Kabutare, Simbi HC of Kabutare, Gakoma, Kibuye, Masaka, Mugonero, Nyanza, Ruhango and Shyira hospitals
• **Typhoid fever:** 28 suspected cases of Typhoid fever were notified including 25 cases from Mahama refugee camp and 3 cases from Kigeme hospitals

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EPIDEMIC SURVEILLANCE AND RESPONSE WEEKLY REPORT

From P.1

1. Malaria cases by District hospitals

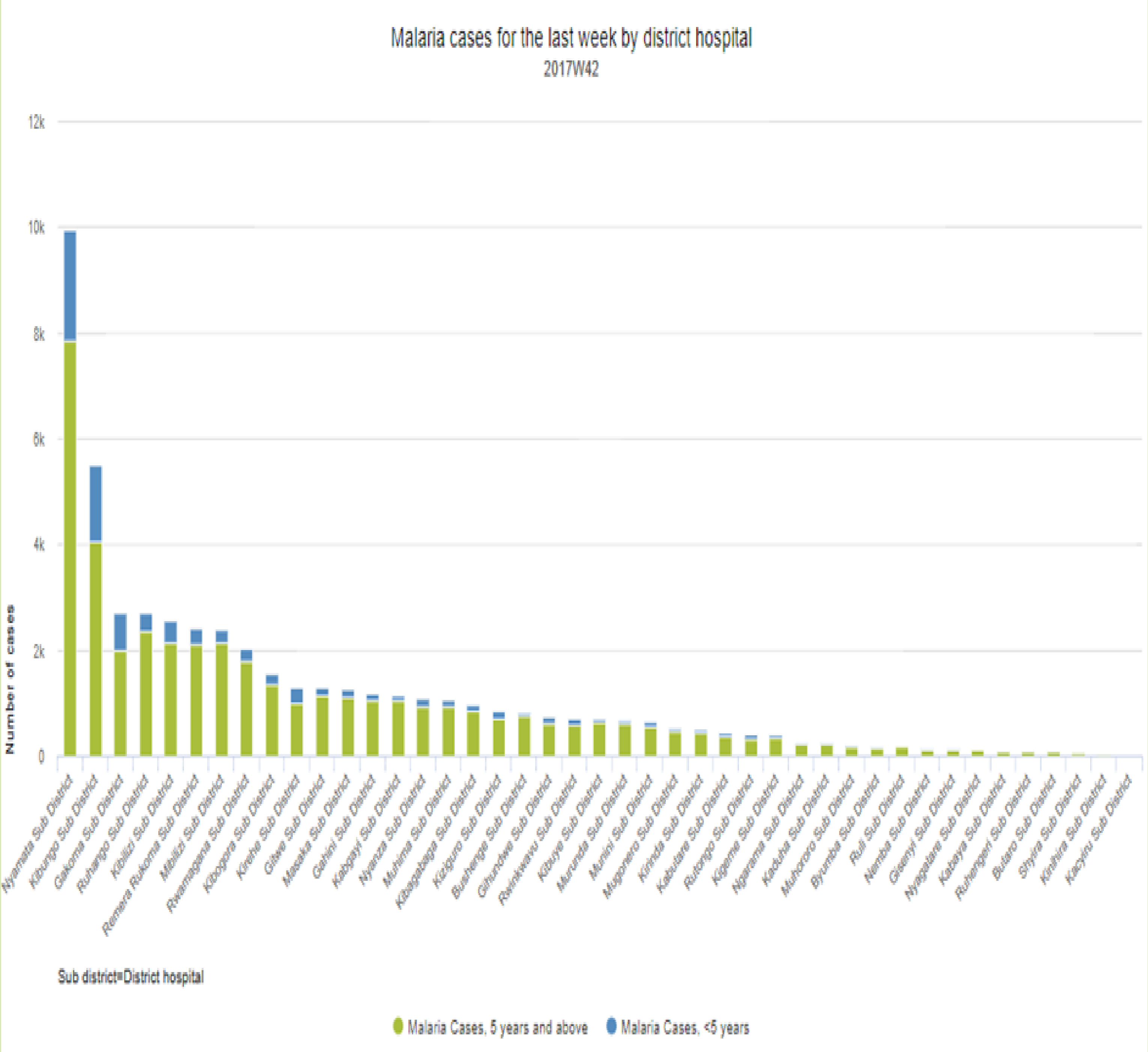

Fig 1. Malaria cases by district hospital in week 42 / 2017

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Fig. 2 shows that there is a progressive increase in number of cases from Nyamata area since week 32 up to now and currently the number of cases this week is doubling the highest number observed (week 25) in this year.

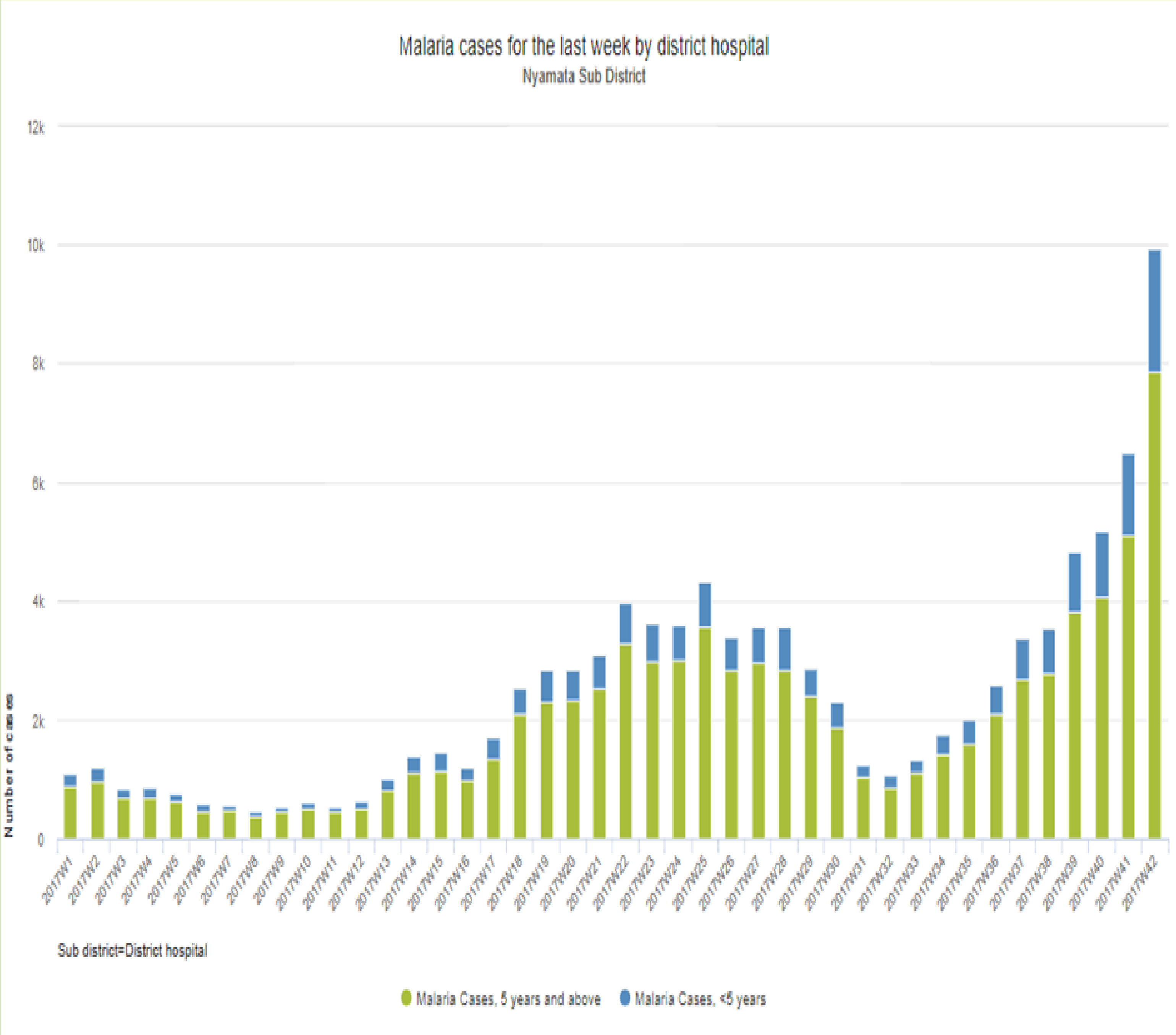

Fig 2. Malaria cases from Nyamata cathment area since week 1 to week 42, 2017

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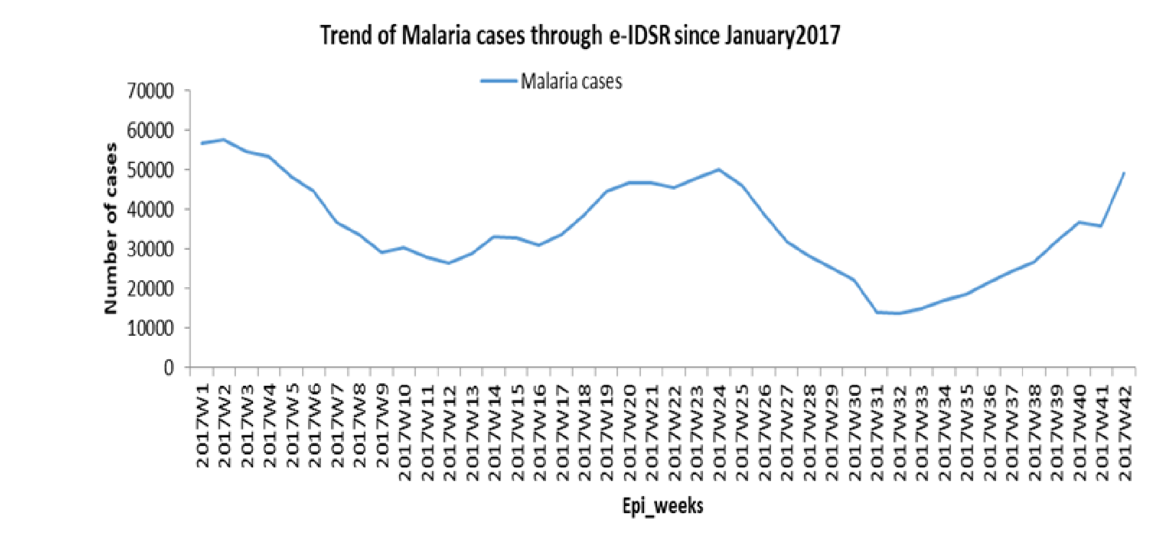
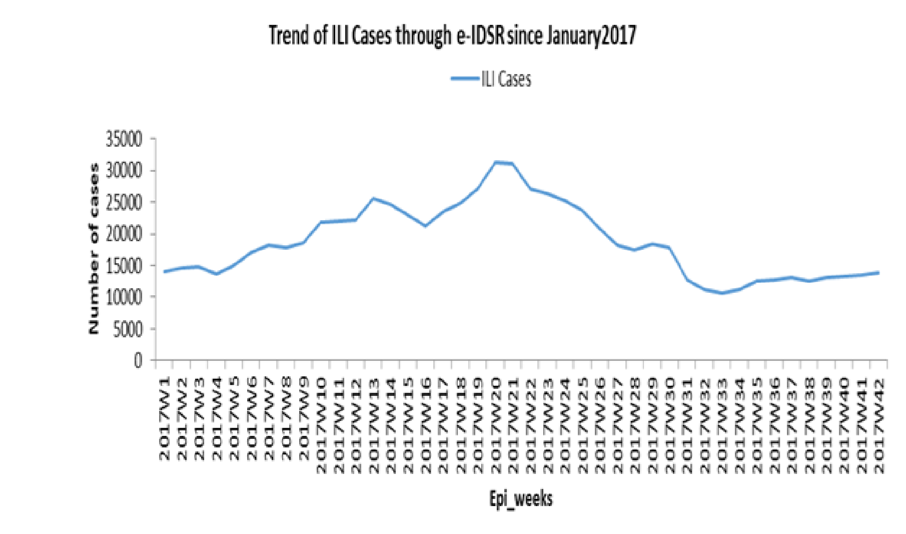
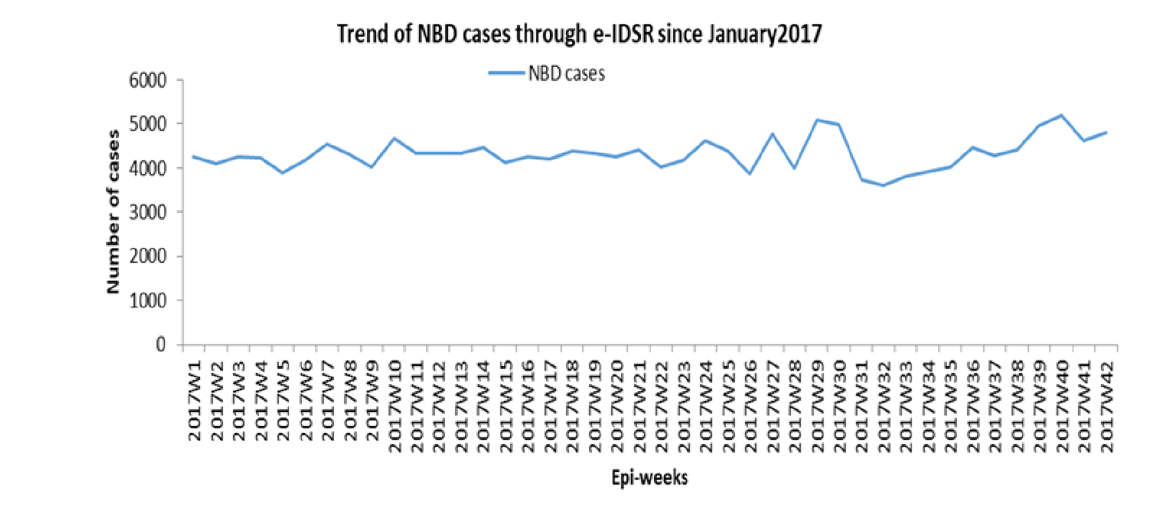
2. High Morbidity diseases for the last 42 weeks, 2017







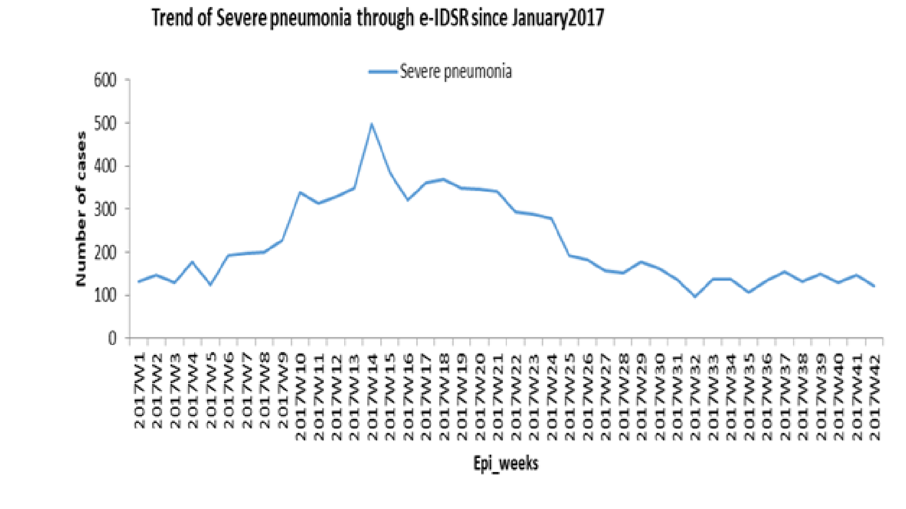


Fig 3. High morbidity diseases through e-IDSR in Rwanda
Source: Rwanda e-IDSR

EPIDEMIC SURVEILLANCE AND RESPONSE WEEKLY REPORT

Table 1: THE FOLLOWING 34 PUBLIC HEALTH FACILITIES DIDN'T SUBMIT THEIR REPORTS IN WEEK 42/2017

Province	Hospital	Health Facility	Province	Hospital	Health Facility
East	Rwinkwavu	Cyarubare CS	South	Gitwe	Karambi (ruhango) CS
East	Rwinkwavu	Kabarondo (kayonza) CS	South	Kabgayi	Nyabinoni CS
East	Rwamagana	Gishari(Police) CS	South	Kabutare	Busoro-gishamvu CS
East	Kiziguro	Kiziguro DH	South	Kabutare	Ruhashya CS
East	Nyagatare	Rukomo CS	South	Nyanza	Busoro CS
East	Nyagatare	Tabagwe CS	South	Nyanza	Cyaratsi CS
Kigali City	Kibagabaga	Kacyiru DH	South	Nyanza	Gatagara (Nyanza) CS
Kigali City	Kibagabaga	Prison Kimironko(Remera Pris)	South	Nyanza	Nyamiyaga (Nyanza) CS
Kigali City	Kibagabaga	Rubungo CS	South	Nyanza	Prison Mpanga Pris (nyanza)
North	Rutongo	Burega CS	South	Remera Ru	Gihara CS
North	Kinihira	Muyanza CS	South	Remera Ru	Kabuga (ntamba Kamonyi) CS
North	Byumba	Prison Miyove	South	Kaduha	Nyarwungo CS
North	Byumba	Rubaya (gicumbi) CS	West	Kirinda	Kirinda DH
North	Ruhengeri	Murandi CS	West	Gisenyi	Busigari CS
North	Ruhengeri	Shingiro CS	West	Gisenyi	Kabari (Rubavu) CS
			West	Gisenyi	Nyundo (rubavu) CS
			West	Murunda	Iwawa CS
			West	Shyira	Kintobo CS
			West	Shyira	Arusha CS

EPIDEMIC SURVEILLANCE AND RESPONSE WEEKLY REPORT

Table 2. CASES NOTIFIED DURING WEEK 42, 2017

Public Health Facilities

Province	Hospital	Expected reports	Completeness (%)	Timeliness (%)	Non bloody Diarrhoea	Flu syndrome	Malaria	Severe Pneumonia for under five years	Acute Flaccid Paralysis	Bloody Diarrhea	Chicken Pox	Cholera	Diphtheria	Epidemic Typhus	Food poisoning	Hemorragic fever	Measles	Meningitis	Mumps	Neonatal tetanus	Plague	dog bites (Rabies exposure)	Rubella	Typhoid fever	Viral Conjunctivitis	Whooping Cough	Yellow fever
East	Gahini	9	100.0	88.9	56	210	1177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
East	Kibungo	14	100.0	100.0	91	43	4544	3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
East	Kirehe	19	100.0	100.0	389	1838	1283	14	0	2	9	0	0	0	0	0	0	0	1	0	0	0	0	25	0	0	0
East	Kiziguro	13	92.3	84.6	152	440	843	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
East	Ngarama	8	100.0	100.0	71	359	276	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
East	Nyagatare	22	90.9	72.7	145	314	131	2	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
East	Nyamata	17	100.0	100.0	220	540	9936	5	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
East	Rwamagana	16	93.8	81.3	215	1183	2026	3	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
East	Rwinkwavu	8	75.0	62.5	43	61	714	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
Kigali City	Kibagabaga	19	84.2	68.4	157	566	876	3	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kigali City	Masaka	11	100.0	100.0	64	226	1200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
Kigali City	Muhima	12	100.0	100.0	119	453	1018	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North	Butaro	20	100.0	100.0	136	181	78	3	0	10	4	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0
North	Byumba	26	92.3	84.6	79	412	184	10	0	1	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
North	Kinihira	10	90.0	90.0	103	29	35	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North	Nemba	16	100.0	100.0	120	41	138	3	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
North	Ruhengeri	17	88.2	70.6	148	379	79	8	0	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North	Ruli	9	100.0	100.0	48	102	180	0	0	6	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
North	Rutongo	13	92.3	92.3	81	313	406	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
South	Gakoma	6	100.0	66.7	135	292	2701	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
South	Gitwe	9	88.9	88.9	18	102	1282	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South	Kabgayi	18	94.4	83.3	100	585	1122	5	0	0	10	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
South	Kabutare	18	88.9	66.7	127	274	437	4	0	4	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
South	Kaduha	10	90.0	80.0	34	176	272	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South	Kibilizi	10	100.0	90.0	112	261	2567	2	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South	Kigeme	12	100.0	100.0	66	333	399	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0
South	Munini	17	100.0	100.0	91	527	646	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South	Nyanza	17	76.5	76.5	129	240	1095	1	0	4	1	0	0	0	3	0	0	0	1	0	0	1	0	0	0	0	0
South	Remera Rukoma	14	85.7	85.7	71	510	2424	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South	Ruhango	8	100.0	100.0	47	407	2692	1	0	3	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
West	Bushenge	8	100.0	100.0	83	199	834	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
West	Gihundwe	9	100.0	100.0	107	284	708	1	0	0	2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
West	Gisenyi	15	80.0	80.0	239	419	116	11	0	0	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
West	Kabaya	7	100.0	100.0	34	108	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
West	Kibogora	14	100.0	100.0	112	199	1545	10	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
West	Kibuye	13	100.0	84.6	104	124	708	2	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
West	Kirinda	6	83.3	66.7	34	104	493	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
West	Mibilizi	12	100.0	75.0	123	56	2396	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
West	Mugonero	7	100.0	100.0	45	116	541	7	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
West	Muhororo	10	100.0	100.0	54	95	201	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
West	Murunda	18	100.0	100.0	283	194	673	4	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
West	Shyira	17	88.2	70.6	119	417	53	2	0	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
Referral Ho	CHUB	1	100.0	100.0	3	3	12	2	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Referral Ho	CHUK	1	100.0	100.0	1	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Referral Ho	Rwanda Military	1	100.0	100.0	0	3	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub Total		**557**	**94.3**	**87.8**	**4708**	**13718**	**49168**	**122**	**0**	**54**	**51**	**12**	**0**	**0**	**3**	**0**	**3**	**3**	**18**	**0**	**0**	**14**	**0**	**28**	**0**	**0**	**0**

Private Health facilities

Province	Hospital	Expected reports	Completeness (%)	Timeliness (%)	Non bloody Diarrhoea	Flu syndrome	Malaria	Severe Pneumonia for under five years	Acute Flaccid Paralysis	Bloody Diarrhea	Chicken Pox	Cholera	Diphtheria	Epidemic Typhus	Food poisoning	Hemorragic fever	Measles	Meningitis	Mumps	Neonatal tetanus	Plague	dog bites (Rabies exposure)	Rubella	Typhoid fever	Viral Conjunctivitis	Whooping Cough	Yellow fever
	Gahini	3	100.0	100.0	7	10	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
East	Kibungo	1	100.0	100.0	2	1	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
East	Kirehe	1	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
East	Kiziguro	3	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
East	Nyagatare	17	11.8	11.8	0	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
East	Nyamata	1	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
East	Rwamagana	4	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
East	Rwinkwavu	2	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kigali City	Kibagabaga	30	36.7	33.3	34	113	81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kigali City	Masaka	20	20.0	20.0	4	20	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kigali City	Muhima	28	28.6	25.0	8	13	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North	Butaro	1	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North	Byumba	3	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North	Kinihira	1	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North	Ruhengeri	3	33.3	33.3	2	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South	Gakoma	1	100.0	100.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South	Kabgayi	4	25.0	25.0	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South	Kabutare	2	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South	Kigeme	2	50.0	50.0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South	Munini	1	100.0	100.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South	Nyanza	1	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South	Remera Rukoma	3	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South	Ruhango	4	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
West	Bushenge	0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
West	Gihundwe	2	100.0	100.0	5	9	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
West	Gisenyi	9	33.3	22.2	19	18	18	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
West	Kabaya	2	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
West	Mibilizi	3	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
West	Muhororo	1	100.0	100.0	4	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
West	Shyira	1	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub Total		**154**	**26.0**	**24.0**	**90**	**210**	**172**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**