Hospital Based Rotavirus & Intussusception Surveillance in Bangladesh
(HBRIS)
Monthly Report, June 2018

☞ Name, location and starting month of HBRIS hospitals

Sl.no.	Name of the hospitals	Location	Surveillance start	Current status
01.	Jahurul Islam Medical College Hospital (JIMCH)	Kishoregonj	July'12	Ongoing
02.	Rajshahi Medical College Hospital (RMCH)	Rajshahi	July'12	Ongoing
03.	Jalalabad Ragib-Rabeya Medical College Hospital (JRRMCH)	Sylhet	July'12	Ongoing
04.	World Mission Prayer League (LAMB)	Dinajpur	Febuary'13	Closed in June'15
05.	Bangabandhu Memorial Hospital (BBMH)	Chittagong	Febuary'13	Ongoing
06.	Jessore General Hospital (JGH)	Jessore	August'13	Ongoing
07.	Sher-e-Bangla Medical College Hospital (SBMCH)	Barisal	August'13	Ongoing
08.	Rangpur Medical College Hospital (RpMCH)	Rangpur	January'16	Ongoing

☞ Proportion of children aged <5 years hospitalized with acute gastroenteritis (AGE) with evidence of rotavirus infection and number of intussusception cases aged <2 years during June 2018, by hospital

Hospital name	Rotavirus			Intussusception confirmed[⌖]
	AGE[¶]	Sampled[Ŧ]	Positive (%)	
RMCH	34	09	01(11%)	02
JIMCH	30	07	01(14%)	-
JRRMCH	32	06	02(33%)	-
BBMH	10	03	-	-
JGH	14	03	-	-
SBMCH	71	18	09(50%)	-
RpMCH	14	03	-	-
Cumulative Total	205	49	13(27%)	02

☞ Distribution of acute gastroenteritis (AGE), rotavirus and intussusception cases, by age group and sex, June 2018

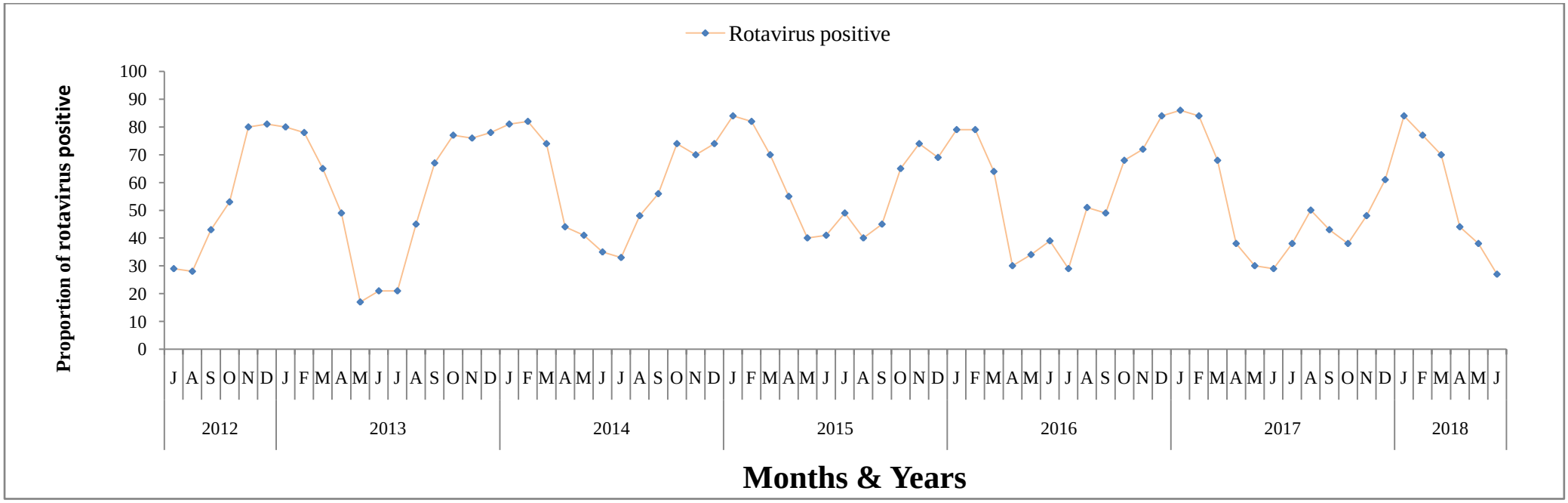
	Rotavirus			Intussusception confirmed *N=02*
	AGE *N=205*	Sampled *N=49*	Positive (%) *N=13*	
Age groups(in months)				
0-5	28	7	05(71%)	-
6-11	81	22	05(23%)	02
12-17	35	10	01(10%)	-
18-23	19	3	-	-
24-59	42	7	02(29%)	-
Male sex	125	28	08(29%)	02(100%)

¶ Acute Gastroenteritis (AGE) - ≥3 watery or looser-than-normal stools or ≥1 episode of forceful vomiting, within a 24 hour period, with symptoms lasting ≤7 days

Ŧ Every 4th suspected cases (in case of LAMB hospital every patient)

⌖ Child under 2 years who is admitted in selected hospitals & meet the Level 1 or 2 or 3, Brighton Collaboration diagnostic criteria (either by clinical/surgical and/or radiological and/or autopsy criteria)

☞ Proportion of hospitalized acute gastroenteritis cases with evidence of rotavirus infection, by months



☞ Proportion of children aged <5 years with acute gastroenteritis (AGE) with evidence of rotavirus infection including number of death and number of intussusception cases aged <2 years, by hospital
July'12- June'18

Hospital name	Rotavirus				Intussusception confirmed
	AGE	Sampled	Positive (%)	Rotavirus associated deaths	
RMCH	10,489	2,617	1,590(61%)	3	143
JIMCH	5,855	1,462	956(65%)	1	16
JRRMCH	5,780	1,433	932(65%)	-	52
LAMB	178	142	89(63%)	1	-
BBMH	1,842	456	291(64%)	-	8
JGH	3,171	785	437(56%)	-	2
SBMCH	7,502	1,874	1,186(63%)	-	27
RpMCH	1,709	420	278(66%)	-	14
Cumulative Total	36,526	9,189	5,759(63%)	5	262

☞ Proportion of rotavirus genotype among the rotavirus positive EIA cases, by geographic location, July 2012 to June 2018

Rotavirus genotypes	Location							Rotavirus genotype
	Dhaka	Rajshahi	Sylhet	Rangpur	Chittagong	Khulna	Barisal	n (%)
G0P0	1	-	-	-	-	1	-	02(.15)
G0P4	-	-	-	-	-	1		01(.07)
G0P6	-	-	-	-	-	1		01(.07)
G0P8	3	1	1	2	4	2	3	16 (1)
G1P0	-	-	3	-	1	-	3	07(.54)
G1P4	-	1	4	-	2	-	-	07(.54)
G1P6	-	-	-	-	-	-	1	01(.07)
G1P8	72	153	67	62	33	69	94	550(43)
G2P4	8	12	11	2	4	5	7	49(4)
G2P6	-	1	2	-	-	3	-	06(.46)
G2P8	-	-	-	1	-	-	-	01(.07)
G3P0	-	-	-	-	-	-	1	01(.07)
G3P4	1	-	-	-	1	-	-	02(.15)
G3P8	21	29	7	12	2	16	19	110(8.5)
G9P0	-	1	1	-	-	-	-	02(.15)
G9P4	16	8	2	3	2	4	5	40(3)
G9P6	-	1	1	1	-	-	1	04(.30)
G9P8	15	8	36	15	15	8	21	118(9)
G12P4	-	-	-	1	-	-	1	02(.15)
G12P6	8	15	9	10	14	13	18	87 (7)
G12P8	40	21	28	18	32	8	12	159(12)
G1P4P8	-	2	-	-	1	-	1	04(.30)
G1P6P8	-	-	1	-	-	-	-	01(.07)
G1G9P8	4	1	2	1	4	-	2	14(1)
G2G9P4	1	-	-	-	-	-	1	02(.15)
G2G9P6	-	-	-	-	1	-	-	01(.07)
G2G9P8	3	2	5	1	1	-	1	13(1)
G2P4P8	2	-	-	-	1	1	1	05(.38)
G2G12P4	1	-	-	-	-	-	-	01(.07)
G3G12P8	-	2	-	--	-	1	1	04(.30)
G9P4P8	4	1	1	-	-	1	-	07(.54)
G9P6P8	-	-	1	-	-	-	1	02(.15)
G9G12P8	2	-	1	1	3	-	-	07(.54)
G12P6P8	-	-	-	-	-	-	1	01(.07)
G1G12P0	-	1	-	-	-	1	-	02(.15)
G1G12P8	6	6	1	3	2	2	4	24(2)
G1G2G9P8	2	1	2	2	-	-	1	08(.62)
G1G2P4P8	-	-	-	1	-	-	-	01(.07)
G1G2P6P8	1	-	-	-	-	-	-	01(.07)
G1G9P4P8	1	-	-	-	1	-	-	02(.15)
G1G9G12P8	2	1	-	-	-	-	-	03(.21)
G1G12P4P8	-	-	-	-	1	1	-	02(.15)
G1G12P6P8	-	-	-	-	-	-	1	01(.07)
G1G2G9P4P8	1	-	-	-	-	-	-	01(.07)
G1G2G9P6P8	-	-	1	-	-	-	-	01(.07)
G2G12P6P8	-	-	-	-	1	-	-	01(.07)
G2G9P4P8	-	1	-	-	2	-	1	04(.30)
G9G12P6P8	1	1	-	-	-	-	-	02(.15)
G1G2G12P6P8	-	-	-	-	-	-	1	01(.07)
G1G9G12P6P8	-	-	-	-	-	1	-	01(.07)
G9G12P4P6P8	-	-	-	1	-	-	-	01(.07)
G12P4P6P8	-	-	1	-	-	-	-	01(.07)
Selected for **genotyping∞**	216	269	189	137	128	138	208	1,285 (100%)