



Hospital Based Rotavirus Surveillance in Children < 5 years of age and
Intussusception Surveillance in Children < 2 years of age (HBRIS) in Bangladesh

Monthly Report, January 2025



◆ Name, location and starting month of HBRIS hospitals

Sl. No.	Name of the Hospitals	Location	Surveillance start	Current status
01.	Rajshahi Medical College Hospital (RMCH)	Rajshahi	July'12	Ongoing
02.	Jahurul Islam Medical College Hospital (JIMCH)	Kishoregonj	July'12	Ongoing
03.	Jalalabad Ragib-Rabeya Medical College Hospital (JRRMCH)	Sylhet	July'12	Ongoing
04.	World Mission Prayer League (LAMB)	Dinajpur	February'13	Closed in June'15
05.	Bangabandhu Memorial Hospital (BBMH)	Chattogram	February'13	Closed in Septemer'19
06.	Jashore General Hospital (Jashore)	Jashore	August'13	Ongoing
07.	Sher-e- Bangla Medical College Hospital (SBMCH)	Barishal	August'13	Ongoing
08.	Rangpur Medical College Hospital (RpMCH)	Rangpur	January'16	Ongoing
09.	Chattogram Medical College Hospital (CMCH)	Chattogram	Septemer'19	Ongoing

◆ Proportion of children aged <5 years hospitalized with acute gastroenteritis (AGE) with evidence of rotavirus infection during January 2025 by hospital

Hospital Name	Rotavirus		
	AGE*	Sampled	Positive (%)
RMCH	100	25	18(72.00)
JIMCH	80	20	16(80.00)
JRRMCH	48	12	10(83.33)
JGH	80	20	16(80.00)
SBMCH	120	30	27(90.00)
RpMCH	132	33	28(84.84)
CMCH	136	39	33(84.61)
Cumulative Total	696	179	148(82.68)

◆ Number of intussusception cases aged <2 years during January 2025 by hospital

Hospital Name	Intussusception confirmed***
RMCH	1
JIMCH	2
JRRMCH	0
JGH	0
SBMCH	1
RpMCH	0
CMCH	8
Cumulative Total	12

◆ Distribution of acute gastroenteritis (AGE) & rotavirus cases by age group during January 2025

Age group (in months)	Rotavirus		
	AGE (N=696)	Sampled (N=179)	Positive (%) (N=148)
0-5	16	4	2(50.00)
6-11	320	83	62 (74.69)
12-17	272	69	63(91.30)
18-23	56	15	11(73.33)
24-59	32	8	8(100.00)
Cumulative Total	696	179	148(82.68)

*Acute Gastroenteritis (AGE)- ≥ 3 watery or looser than normal or ≥ 1 episode of forceful vomiting within a 24-hour period, with symptoms lasting ≤ 7 days. **Every 4th suspected case (in case of LAMB hospital every case). ***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).

◆ Distribution of intussusception cases by age group during January 2025

Age group (in months)	Intussusception confirmed
0-5	1
6-11	4
12-17	4
18-23	1
24-59	0
Cumulative Total	12

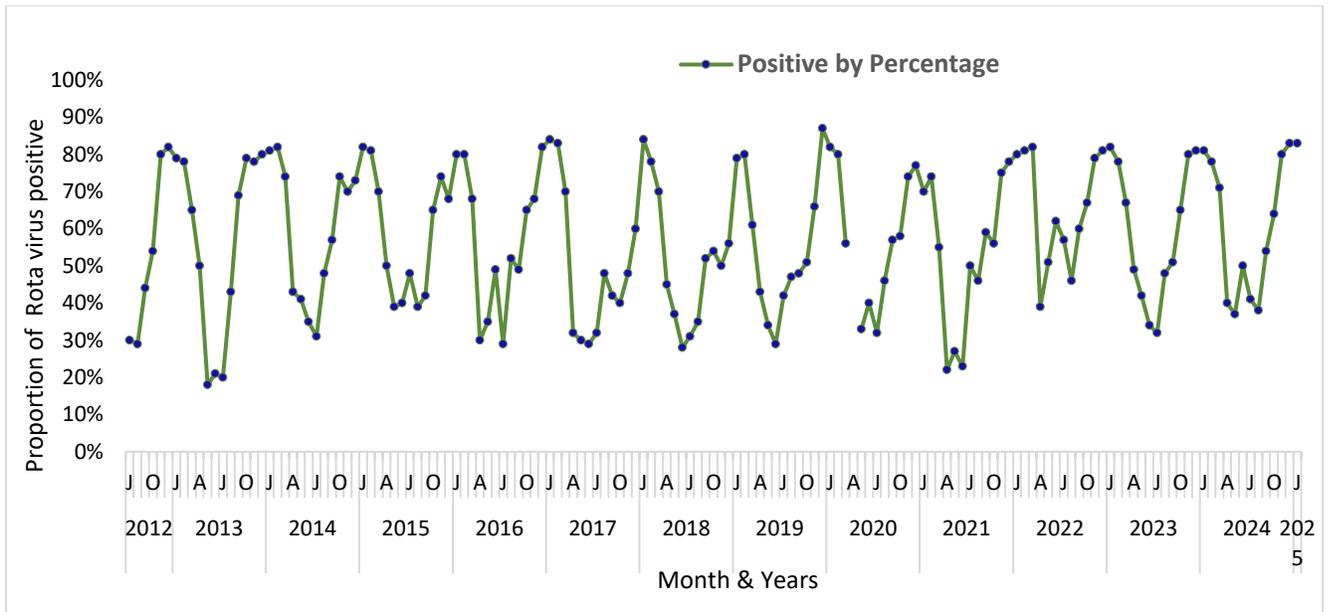
◆ Distribution of acute gastroenteritis (AGE) and rotavirus cases by sex during January 2025

Sex	AGE	Sampled	Positive (%)
Male	480	120	98(81.66)
Female	216	59	50(84.74)

◆ Distribution of intussusception cases by sex during January 2025

Sex	Intussusception confirmed
Male	8
Female	4

◆ Proportion of hospitalized acute gastroenteritis cases with evidence of rotavirus infection, by months and years



HBRIS activities has been postponed during the period of 1st April 2020 to 15th May 2020 due to Pandemic COVID-19

◆ Number of children aged < 5 years with acute gastroenteritis (AGE) with evidence of rotavirus positivity by hospital (January '25)

Hospital	RMCH		JIMCH		JRRMCH		JGH		SBMCH		RpMCH		CMCH		Total Cases		
	Sampled	Positive	Sampled	Positive	%												
Jan'25	25	18	20	16	12	10	20	16	30	27	33	28	39	33	179	148	82.68
Total	25	18	20	16	12	10	20	16	30	27	33	28	39	33	179	148	82.68

◆ Proportion of children aged < 5 years with acute gastroenteritis (AGE) with evidence of rotavirus infection including number of deaths by hospital July'12 to January'25

Hospital Name	Rotavirus			
	AGE	Sampled	Positive (%)	Rotavirus associated deaths
RMCH	17636	4309	2631(61%)	3
JIMCH	10375	2589	1670(65%)	1
JRRMCH	8808	2183	1439(66%)	-
LAMB	178	142	95(63%)	1
BBMH	2155	532	335(63%)	-
JGH	6716	1686	1009(60%)	-
SBMCH	14330	3588	2314(64%)	-
RpMCH	5781	1439	890(62%)	-
CMCH	4584	1145	706(62%)	-
Cumulative Total	70559	17607	10708 (61%)	5**

** Last Rota associated death case was reported in 2015.

◆ Number of intussusception cases aged < 2 years by hospital July'12 to January'25

Hospital Name	Intussusception confirmed
RMCH	283
JIMCH	31
JRRMCH	68
LAMB	-
BBMH	10
JGH	10
SBMCH	58
RpMCH	92
CMCH	232
Cumulative Total	823