



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

Monthly Report, February 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 February 2025 by hospital

Hospital Name	Rotavirus		
	AGE*	Sampled	Positive (%)
RMCH	80	20	17(72.00)
JIMCH	64	16	12(80.00)
JRRMCH	36	9	7(83.33)
JGH	64	16	14(80.00)
SBMCH	112	28	22(90.00)
RpMCH	100	25	20(84.84)
CMCH	124	31	25(84.61)
Cumulative Total	580	145	117(80.68)

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

Hospital Name	Intussusception confirmed***
RMCH	3
JIMCH	0
JRRMCH	0
JGH	0
SBMCH	1
RpMCH	0
CMCH	5
Cumulative Total	9

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

Age group (in months)	Rotavirus		
	AGE (N=580)	Sampled (N=145)	Positive (%) (N=117)
0-5	20	5	2(40.00)
6-11	264	66	54 (81.81)
12-17	212	53	51(96.22)
18-23	52	13	6(46.15)
24-59	32	8	4(50.00)
Cumulative Total	578	145	117(80.68)

*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 February 2025

Age group (in months)	Intussusception confirmed
0-5	1
6-11	4
12-17	4
18-23	0
24-59	0
Cumulative Total	9

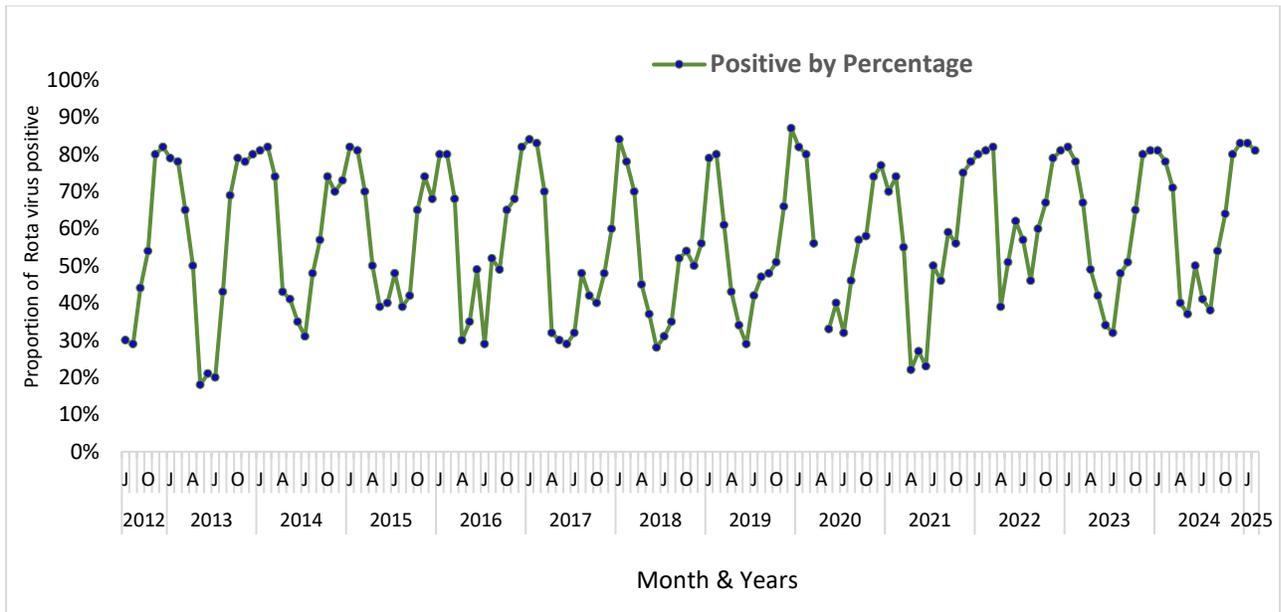
◆ Distribution of acute gastroenteritis (AGE) and rotavirus cases by sex during February 2025

Sex	AGE	Sampled	Positive (%)
Male	392	98	98(81.66)
Female	186	59	50(84.74)

◆ Distribution of intussusception cases by sex during February 2025

Sex	Intussusception confirmed
Male	7
Female	2

◆ 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 to February '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
Feb'25	20	17	16	12	9	7	16	14	28	22	25	20	31	25	145	117	80.68
Total	45	35	36	28	21	17	36	30	58	49	58	48	70	58	324	265	81.79

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

Hospital Name	Rotavirus			
	AGE	Sampled	Positive (%)	Rotavirus associated deaths
RMCH	17716	4329	2658(61%)	3
JIMCH	10439	2605	1682(65%)	1
JRRMCH	8844	2192	1446(66%)	-
LAMB	178	142	95(63%)	1
BBMH	2155	532	335(63%)	-
JGH	6780	1702	1023(60%)	-
SBMCH	14442	3616	2336(65%)	-
RpMCH	5881	1464	910(62%)	-
CMCH	4708	1176	731(62%)	-
Cumulative Total	71139	17752	10825 (61%)	5**

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

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

Hospital Name	Intussusception confirmed
RMCH	286
JIMCH	31
JRRMCH	68
LAMB	-
BBMH	10
JGH	10
SBMCH	59
RpMCH	92
CMCH	237
Cumulative Total	832