



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

Monthly Report, March 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 March 2025 by hospital

Hospital Name	Rotavirus		
	AGE*	Sampled	Positive (%)
RMCH	64	16	5(31.25)
JIMCH	48	12	3(25.00)
JRRMCH	28	7	3(42.85)
JGH	24	6	2(33.33)
SBMCH	64	16	12(75.00)
RpMCH	40	10	5(50.00)
CMCH	88	22	13(59.09)
<b>Cumulative Total</b>	<b>356</b>	<b>89</b>	<b>43(48.31)</b>

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

Hospital Name	Intussusception confirmed***
RMCH	3
JIMCH	1
JRRMCH	1
JGH	0
SBMCH	0
RpMCH	0
CMCH	4
<b>Cumulative Total</b>	<b>9</b>

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

Age group (in months)	Rotavirus		
	AGE (N=356)	Sampled (N=89)	Positive (%) (N=43)
0-5	52	13	5(38.46)
6-11	188	47	23(48.93)
12-17	52	13	9(69.23)
18-23	20	5	3(60.00)
24-59	44	11	3(27.27)
<b>Cumulative Total</b>	<b>356</b>	<b>89</b>	<b>43(48.31)</b>

\*Acute Gastroenteritis (AGE)-  $\geq 3$  watery or looser than normal or  $\geq 1$  episode of forceful vomiting within a 24-hour period, with symptoms lasting  $\leq 7$  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 March 2025

Age group (in months)	Intussusception confirmed
0-5	5
6-11	2
12-17	0
18-23	1
24-59	1
<b>Cumulative Total</b>	<b>9</b>

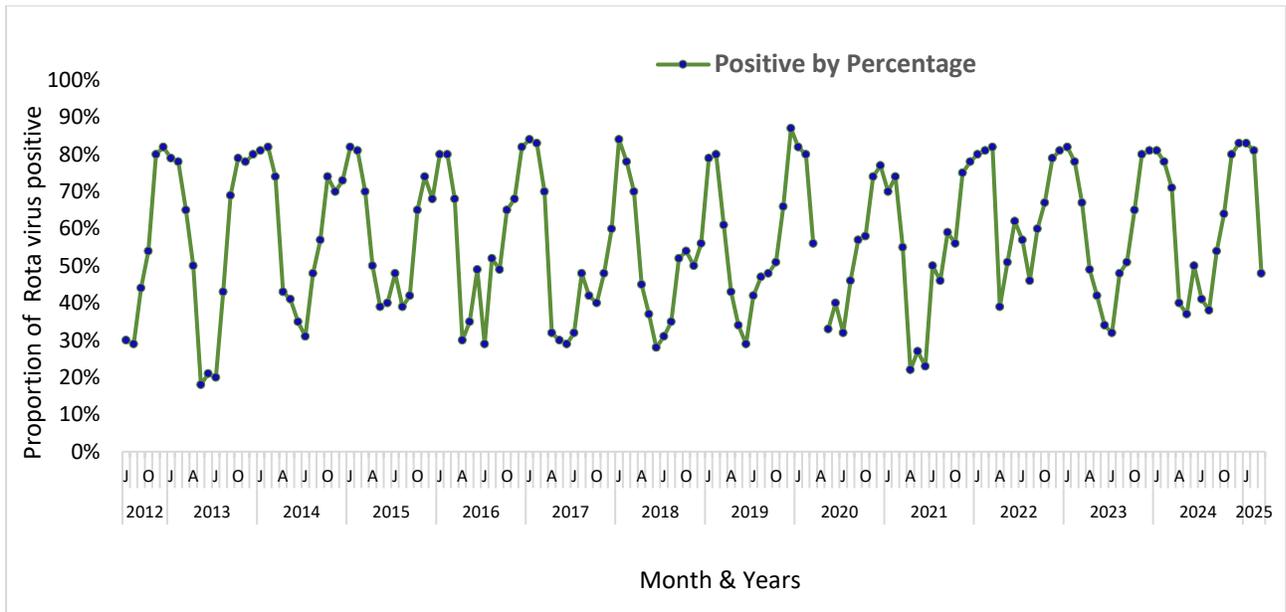
◆ Distribution of acute gastroenteritis (AGE) and rotavirus cases by sex during March 2025

Sex	AGE	Sampled	Positive (%)
Male	224	56	23(41.07)
Female	132	33	21(63.63)

◆ Distribution of intussusception cases by sex during March 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 1<sup>st</sup> April 2020 to 15<sup>th</sup> 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 March '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
Mar'25	16	5	12	3	7	3	6	2	16	12	10	5	22	13	89	43	48.31
Total	51	40	48	31	28	20	42	32	64	61	68	53	92	71	413	308	74.57

◆ Proportion of children aged < 5 years with acute gastroenteritis (AGE) with evidence of rotavirus infection including number of deaths by hospital July'12 to March 2025

Hospital Name	Rotavirus			
	AGE	Sampled	Positive (%)	Rotavirus associated deaths
RMCH	18201	4455	2690(60%)	3
JIMCH	10717	2668	1719(64%)	1
JRRMCH	8979	2227	1453(65%)	-
LAMB	178	142	95(63%)	1
BBMH	2155	532	335(63%)	-
JGH	7024	1766	1061(60%)	-
SBMCH	15034	3770	2430(64%)	-
RpMCH	6255	1562	942(60%)	-
CMCH	5184	1298	777(60%)	-
Cumulative Total	73727	18423	11095(60%)	5**

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

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

Hospital Name	Intussusception confirmed
RMCH	294
JIMCH	35
JRRMCH	70
LAMB	-
BBMH	10
JGH	12
SBMCH	64
RpMCH	97
CMCH	263
Cumulative Total	883