



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

Monthly Report, October 2024



◆ 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 October 2024 by hospital

Hospital Name	Rotavirus		
	AGE*	Sampled	Positive (%)
RMCH	68	17	8(47.06)
JIMCH	92	23	18(78.26)
JRRMCH	36	9	5(55.56)
JGH	52	13	9(69.23)
SBMCH	120	30	20(66.67)
RpMCH	40	10	5(50.00)
CMCH	108	27	18(66.67)
Cumulative Total	516	129	83(64.34)

◆ Number of intussusception cases aged <2 years during October 2024 by hospital

Hospital Name	Intussusception confirmed***
RMCH	2
JIMCH	0
JRRMCH	1
JGH	0
SBMCH	0
RpMCH	1
CMCH	1
Cumulative Total	5

◆ Distribution of acute gastroenteritis (AGE) & rotavirus cases by age group during October 2024

Age group (in months)	Rotavirus		
	AGE (N=516)	Sampled (N=129)	Positive (%) (N=83)
0-5	59	19	13(68.42)
6-11	205	59	36(61.02)
12-17	121	28	19(67.86)
18-23	55	12	9(75.00)
24-59	75	11	6(54.55)
Cumulative Total	515	129	83(64.34)

*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 October 2024

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

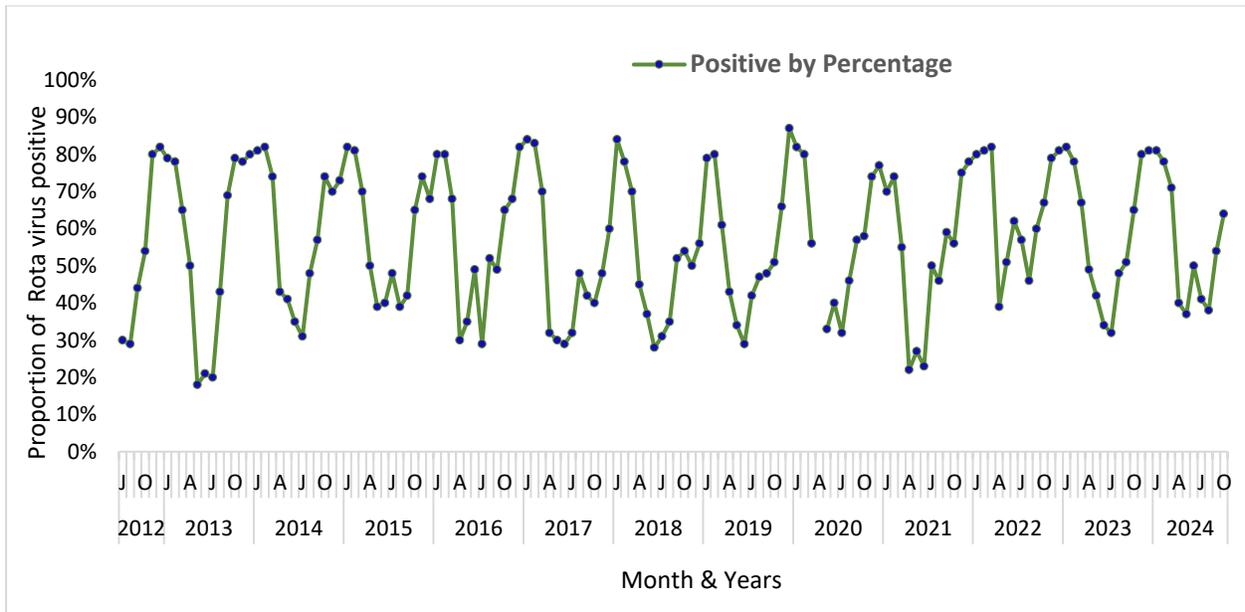
◆ Distribution of acute gastroenteritis (AGE) and rotavirus cases by sex during October 2024

Sex	AGE	Sampled	Positive (%)
Male	321	85	52(61.18))
Female	195	44	31(70.45)

◆ Distribution of intussusception cases by sex during October 2024

Sex	Intussusception confirmed
Male	3
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 '24 to October '24)

Hospital	RMCH		JIMCH		JRRMCH		JGH		SBMCH		RpMCH		CMCH		Total Cases		
	Sampled	Positive	Sampled	Positive	%												
Jan'24	26	21	21	17	12	10	23	20	34	27	36	28	35	29	187	152	81.28
Feb'24	29	23	18	16	8	4	25	19	34	23	37	33	31	24	182	142	78.02
Mar'24	32	21	20	14	9	7	27	22	31	21	32	26	26	14	177	125	70.62
Apr'24	24	10	12	3	8	3	16	8	35	19	24	7	25	7	144	57	39.58
May'24	24	7	12	4	6	0	10	5	31	23	19	2	25	6	127	47	37.01
Jun'24	15	3	12	3	6	1	6	3	34	27	12	6	19	9	104	52	50.00
Jul'24	15	5	11	7	6	2	4	2	15	7	11	0	20	11	82	34	41.46
Aug'24	16	3	12	5	7	4	6	0	16	11	9	1	24	10	90	34	37.78
Sep'24	17	3	11	9	8	5	10	4	30	22	13	2	32	20	121	65	53.72
Oct'24	17	8	23	18	9	5	13	9	30	20	10	5	27	18	129	83	64.34
Total	215	104	152	96	79	41	140	92	290	200	203	108	254	148	1343	791	58.89

◆ Proportion of children aged < 5 years with acute gastroenteritis (AGE) with evidence of rotavirus infection including number of deaths by hospital July'12 to October '24

Hospital Name	Rotavirus			
	AGE	Sampled	Positive (%)	Rotavirus associated deaths
RMCH	18273	4473	2696(60%)	3
JIMCH	10805	2690	1743(65%)	1
JRRMCH	9019	2237	1460(65%)	-
LAMB	178	142	95(63%)	1
BBMH	2155	532	335(63%)	-
JGH	7095	1783	1072(60%)	-
SBMCH	15210	3814	2460(64%)	-
RpMCH	6307	1575	944(60%)	-
CMCH	5332	1335	802(60%)	-
Cumulative Total	74374	18584	11200(60%)	5**

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

◆ Number of intussusception cases aged < 2 years by hospital July'12 to October '24

Hospital Name	Intussusception confirmed
RMCH	293
JIMCH	34
JRRMCH	70
LAMB	-
BBMH	10
JGH	12
SBMCH	64
RpMCH	100
CMCH	261
Cumulative Total	882