

Supplementary Table 1. Baseline characteristics of the symptomatic MSD and asymptomatic children having stool positive for viral pathogens (Rotavirus, norovirus, adenovirus, astrovirus, and sapovirus) in South Asia and sub-Saharan Africa (continued in the next table).

Characteristics	Symptomatic			Asymptomatic			Symptomatic			Asymptomatic			Symptomatic			Asymptomatic		
	Rotavirus (+)	Rotavirus (-)	p-value	Rotavirus (+)	Rotavirus (-)	p-value	Norovirus (+)	Norovirus (-)	p-value	Norovirus (+)	Norovirus (-)	p-value	Adenovirus (+)	Adenovirus (-)	p-value	Adenovirus (+)	Adenovirus (-)	p-value
n (%)	1747 (18.5)	7691 (81.5)		509(3.9)	12619 (96.1)		741(7.9)	8697 (92.2)		962(7.3)	12167 (92.7)		235(2.5)	9198 (97.5)		98(0.8)	13028 (99.3)	
Age group																		
0-11m	1,016 (58.2)	3013 (39.2)		245 (48.1)	4632 (36.7)		342 (46.2)	3687 (42.4)		367 (38.2)	4511 (37.1)		123 (52.3)	3904 (42.4)		41 (41.8)	4834 (37.1)	
12-23m	572 (32.7)	2632 (34.2)	<0.01	173 (33.9)	4208 (33.4)	0.01	253 (34.1)	2951 (33.9)	0.03	340 (35.3)	4041 (33.2)	0.10	89 (37.9)	3112 (33.8)	0.01	42 (42.9)	4339 (33.3)	0.01
24-59m	159 (9.1)	2046 (26.6)		91 (17.9)	3779 (29.9)		146(19.7)	2059 (23.7)		255 (26.5)	3615 (29.7)		23 (9.8)	2182 (23.7)		15 (15.3)	3855 (29.6)	
Gender (Girl)	804 (46.0)	3291 (42.8)	0.01	202 (39.7)	5448 (43.2)	0.12	322 (43.5)	3773 (43.4)	0.97	406 (42.2)	5245 (43.1)	0.59	114 (48.5)	3977 (43.2)	0.12	43 (43.9)	5606 (43.0)	0.87
Anthropometry (at enrollment)																		
HAZ ^y	-1.13 ±1.37	- 1.38±1.36		- 1.38±1.30	-1.34± 1.31		-1.38±1.36	-1.33 ± 1.37		- 1.51±1.35	- 1.33±1.31		- 1.27±1.34	-1.34± 1.37		-1.49±1.47	-1.34± 1.31	
WAZ ^z	- 1.44±1.37	-1.53± 1.4		- 1.00±1.28	-1.08± 1.32		-1.51±1.38	-1.51± 1.39		- 1.33±1.33	- 1.06±1.31		- 1.47±1.42	-1.51± 1.39		-1.26±1.59	-1.08± 1.31	
WHZ ^z	- 1.09±1.50	- 1.06±1.49		- 0.32±1.44	-0.47± 1.43		-1.04±1.40	-1.07± 1.50		- 0.68±1.41	-0.45± 1.43		- 1.05±1.48	-1.06± 1.49		-0.63±1.79	-0.47± 1.43	
Breastfeeding status																		
Breastfeed	1521 (87.1)	5218 (67.9)		393 (77.2)	8645 (68.5)		545(73.6)	6194 (71.2)		661(68.7)	8378 (68.9)		203(86.4)	6531 (71)		75(76.5)	8961 (68.8)	
non-breastfed	226 (12.9)	2472 (32.2)	0.01	116 (22.8)	3974 (31.5)	0.01	196 (26.5)	2502 (28.8)	0.18	301 (31.3)	3789 (31.1)	0.92	32 13.6)	2666 (28.9)	0.01	23 (23.5)	4067 (31.2)	0.09
Wealth quintile																		
Poorest	380 (21.8)	1646 (21.4)		86(16.9)	2424 (19.2)		171(23.1)	1855 (21.3)		175(18.2)	2335 (19.2)		46(19.6)	1979 (21.5)		23(23.5)	2485 (19.1)	
Lower middle	310 (17.8)	1503 (19.6)		104(20.4)	2486 (19.7)		136(18.4)	1677 (19.3)		194(20.2)	2396 (19.7)		44(18.7)	1768 (19.2)		18(18.4)	2572 (19.7)	
Middle	359 (20.6)	1634 (21.3)	0.32	110(21.6)	2724 (21.6)	0.73	170(22.9)	1823 (20.9)	0.21	233(24.2)	2601 (21.4)	0.26	57(24.3)	1936 (21.1)	0.80	17(17.4)	2817 (21.6)	0.62
Upper middle	349 (19.9)	1430 (18.6)		105(20.6)	2417 (19.2)		142(19.2)	1637 (18.8)		179(18.6)	2343 (19.3)		42(17.9)	1735 (18.9)		22(22.5)	2500 (19.2)	
Richest	348 (19.9)	1473 (19.2)		104(20.4)	2567 (20.3)		122(16.5)	1699 (19.6)		181(18.8)	2491 (20.5)		46(19.6)	1774 (19.3)		18(18.4)	2653 (20.4)	
WASH																		
The main source of drinking water																		
Tube well water	275(15.7)	1400 (18.2)		100(19.65)	2894 (22.9)		132(17.8)	1543 (17.7)		195(20.3)	2799 (23)		44(18.7)	1631 (17.7)		25(25.5)	2967 (22.8)	
Non-tube well water	1472(84.3)	6291 (81.8)	0.02	409(80.4)	9725 (77.1)	0.08	609(82.2)	7154 (82.3)	0.96	767(79.7)	9368 (77)	0.05	191(81.3)	7567 (82.3)	0.70	73(74.5)	10061 (77.2)	0.52

Toilet facility																			
Sanitary/semi sanitary	1675(95.9)	7302(94.9)		482(94.7)	11806(93.6)		701(94.6)	8276(95.2)		905(94.1)	11384(93.6)		227(96.6)	8745(95.1)		91(92.9)	12195(93.6)		
Non-sanitary	72(4.1)	389(5.1)	0.10	27(5.3)	813(6.4)	0.30	40(5.4)	421(4.8)	0.49	57(5.9)	783(6.4)	0.53	8(3.4)	453(4.9)	0.29	7(7.1)	833(6.4)	0.77	
Hand washing																			
With soap and water	1304(74.7)	5825(75.7)		356(70.2)	9405(74.5)		536(72.3)	6593(75.8)		718(74.6)	9044(74.3)		172(73.2)	6953(75.6)		69(70.4)	9692(74.4)		
Without soap	442(25.3)	1866(24.3)	0.36	151(29.8)	3214(25.5)	0.03	205(27.7)	2103(24.2)	0.03	244(25.4)	3121(25.7)	0.84	63(26.8)	2244(24.4)	0.40	29(29.6)	3334(25.6)	0.37	
Clinical features																			
Dysentery	129(7.4)	2108(27.4)	0.01	-	-		215(29.0)	6675(76.8)	0.01	-	-		26(11.06)	2211(24.0)	0.01	-	-		
Fever	1093(62.6)	4,755(61.8)	0.57	-	-		434(58.6)	5,414(62.3)	0.05	-	-		143(60.9)	5,704(62.0)	0.72	-	-		
Vomiting	1158(66.3)	2,487(32.3)	0.01	-	-		271(36.6)	3,374(38.8)	0.23	-	-		131(55.7)	3,514(38.2)	0.01	-	-		

† mean± SD (standard deviation); height/length-for-age, weight-for-age, and weight-for-height/ length z-scores (HAZ/LAZ, WAZ, and WHZ); Breastfeed: partial and exclusive breastfeeding; Vomiting >=3 times per day

Continued in the next table

Supplementary table 1. Continued.

Characteristics	Symptomatic			Asymptomatic			Symptomatic			Asymptomatic		
	Astrovirus (+)	Astrovirus (-)	p-value	Astrovirus (+)	Astrovirus (-)	p-value	Sapovirus (+)	Sapovirus (-)	p-value	Sapovirus (+)	Sapovirus (-)	P-value
n (%)	238(2.5)	9200 (97.5)		261(1.9)	12868 (98.0)		325(3.4)	9113 (96.6)		456(3.5)	12673 (96.5)	
Age group												
0-11 Months	124 (52.1)	3905 (42.5)		103 (39.46)	4775 (37.1)		139 (42.77)	3890 (42.7)		178 (39.04)	4700 (37.1)	
12-23 Months	78 (32.77)	3126 (33.9)	0.01	84 (32.18)	4297 (33.4)	0.74	131 (40.31)	3073 (33.7)	0.01	173 (37.94)	4208 (33.2)	0.01
24-59 Months	36 (15.13)	2169 (23.6)		74 (28.35)	3796 (29.5)		55 (16.92)	2150 (23.6)		105 (23.03)	3765 (29.7)	
Gender (Girl)	102 (42.86)	3993 (43.4)	0.87	88 (33.72)	5563 (43.2)	0.01	123 (37.85)	3972 (43.6)	0.04	180 (39.47)	5471 (43.2)	0.12
Anthropometry (at enrollment)												
HAZ ^y	-1.54±1.31	-1.33± 1.37		-1.44±1.37	-1.34±1.31		-1.38±1.40	-1.33± 1.36		-1.48±1.38	-1.34 ± 1.31	
WAZ ^y	-1.69±1.39	-1.51± 1.39		-1.14±1.32	-1.08±1.32		-1.42±1.41	-1.51± 1.39		-1.30±1.34	-1.07± 1.32	
WHZ ^y	-1.11±1.41	-1.06± 1.49		-0.48±1.44	-0.47± 1.43		-0.91±1.54	-1.07± 1.49		-0.70±1.36	-0.46± 1.43	
Breastfeeding status												
Breastfeed	176(73.95)	6563 (71.3)		172(65.9)	8867 (68.9)		244(75.08)	6495 (71.3)		330(72.37)	8709 (68.7)	
non-breastfed	62 (26.1)	2636 (86.7)	0.38	89 (34.1)	4001 (31.1)	0.30	81 (24.9)	2617 (28.7)	0.14	126 (27.6)	3964 (31.3)	0.10
Wealth quintile												
Poorest	53(22.27)	1973 (21.5)		50(19.16)	2460 (19.1)		64(19.75)	1962 (21.5)		73(16.01)	2437 (19.2)	
Lower middle	44(18.49)	1769 (19.2)		46(17.62)	2544 (19.8)		64(19.75)	1749 (19.2)		96(21.05)	2494 (19.7)	
Middle	49(20.6)	1944 (21.1)	0.99	61(23.37)	2773 (21.6)	0.89	78(24.1)	1915 (21)	0.70	107(23.46)	2727 (21.5)	0.40
Upper middle	47(19.8)	1732 (18.8)		49(18.77)	2473 (19.2)		57(17.6)	1722 (18.9)		92(20.18)	2430 (19.2)	
Richest	45(18.9)	1776 (19.3)		55(21.07)	2617 (20.3)		61(18.8)	1760 (19.3)		88(19.3)	2584 (20.4)	
WASH												
The main source of drinking water												
Tube well water	32(13.5)	1643 (17.9)		51(19.54)	2943 (22.9)		36(11.1)	1639 (17.9)		79(17.32)	2915 (23.0)	
Non-tube well water	206(86.6)	7557 (82.1)	0.08	210(80.46)	9925 (77.1)	0.20	289(88.9)	7474 (82.1)	0.001	377(82.7)	9758 (77.0)	0.01
Toilet facility												
Sanitary/ semi sanitary	229(96.2)	8748 (95.1)		248(95.02)	12041 (93.6)		305(93.9)	8672 (95.2)		435(95.4)	11854 (93.5)	
Non-sanitary	96.22(3.8)	452 (4.9)	0.42	13(4.98)	827 (6.4)	0.35	93.85(6.2)	441 (4.8)	0.28	21(4.6)	819 (6.5)	0.11
Hand washing												
With soap and water	169(71.01)	6960 (75.7)		179(68.58)	9583 (74.5)		242(74.5)	6887 (75.6)		335(73.5)	9427 (74.4)	
Without soap	69(28.99)	2239 (24.3)	0.10	82(31.42)	3283 (25.5)	0.031	83(25.5)	2225 (24.4)	0.64	121(26.5)	3244 (25.6)	0.65
Clinical features												
Dysentery	41(17.2)	2196 (23.9)	0.02	-	-		62(19.1)	2175 (23.9)	0.05	-	-	
Fever	149(62.6)	5,699 (61.9)	0.84	-	-		186(57.2)	5,662 (62.1)	0.07	-	-	
Vomiting	97(40.8)	3,548 (38.6)	0.49	-	-		130(40)	3,515 (38.6)	0.61	-	-	

^ymean± SD (standard deviation); height/length-for-age, weight-for-age, and weight-for-height/ length z-scores (HAZ/LAZ, WAZ, and WHZ); Breastfeed: partial and exclusive breastfeeding; Vomiting ≥3 times per day