

Supplementary file 4

Table. Changes in the assessment, diagnosis and management of SAM at eleven participating hospitals for the 12 months preintervention and 12 months postintervention

Country		Ghana									Guatemala	El Salvador	Overall N (%)
		Malnutrition ward/units					Paediatric & general wards						
Healthcare institution ¹		MCHH	SMiH	EGH	APH	SPH	KGH	SMaH	KSH	MGH	HJP	HNZ	
Number of cases analysed: 0-60m													
Pre	Overall	334	52	41	19	80	206	2503	287	110	133	188	3953
Post	Overall	372	111	55	64	153	238	1782	220	74	212	442	3723
Number of cases with the requisite measurement data for WHO classification													
Pre	Overall	165/334	49/52	39/41	14/19	78/80	0/206	0/2503	15/287	0/110	120/133	149/188	629/3953 (15.9%)
Post	Overall	273/372	51/111	49/55	63/64	153/153	33/238	39/1782	0/220	0/74	203/212	436/442	1300/3723 (34.9%)
Number of cases with reported severe acute malnutrition (SAM)													
Pre	<6m	38/38	1/6	2/2	2/2	19/19	0/8	0/120	2/17	0/12	1/22	0/46	65/292 (22.3%)
Post	<6m	33/33	16/16	1/4	4/4	27/27	2/6	0/200	0/9	0/3	0/17	0/119	83/438 (18.9%)
Pre	6-60m	293/293	6/46	23/37	12/16	60/60	2/184	0/2383	11/267	0/98	13/111	0/142	420/3637 (11.5%)
Post	6-60m	339/339	93/93	21/51	60/60	126/126	33/229	21/1582	6/211	0/71	20/195	0/323	719/3280 (21.9%)
Number of cases classified based on WHO SAM criteria (6-60m)													
Total number of cases classified²													
Pre	6-60m	293	15	27	12	60	2	0	13	0	17	5	444
Post	6-60m	339	93	23	60	126	33	30	6	0	32	44	786
Number of unclassifiable SAM													
Pre	6-60m	138/293	2/15	0/27	2/12	1/60	2/2	0/0	5/13	0/0	1/17	0/5	151/444 (34.0%)
Post	6-60m	72/339	51/93	0/23	1/60	0/126	4/33	0/30	6/6	0/0	1/32	0/44	135/786 (17.2%)
Number of matched SAM													
Pre	6-60m	122/293	0/15	20/27	10/12	49/60	0/2	0/0	5/13	0/0	3/17	0/5	209/444 (47.1%)
Post	6-60m	207/339	34/93	16/23	52/60	116/126	13/33	12/30	0/6	0/0	10/32	0/44	460/786 (58.5%)
Number of false SAM													
Pre	6-60m	33/293	4/15	3/27	0/12	10/60	0/2	0/0	1/13	0/0	9/17	0/5	60/444 (13.5%)
Post	6-60m	60/339	8/93	5/23	7/60	10/126	16/33	9/30	0/6	0/0	9/32	0/44	124/786 (15.8%)

Number of missed SAM cases													
Pre	6-60m	0/293	9/15	4/27	0/12	0/60	0/2	0/0	2/13	0/0	4/17	5/5	24/444 (5.4%)
Post	6-60m	0/339	0/93	2/23	0/60	0/126	0/33	9/30	0/6	0/0	12/32	44/44	67/786 (8.5%)
Mortality													
Number of deaths from all causes (number of deaths/number of cases analysed 0-60m)													
Pre	Overall	N/A	N/A	N/A	N/A	N/A	3/206	0/2503	4/287	0/110	0/133	0/188	7/3427 (0.2%)
Post	Overall	N/A	N/A	N/A	N/A	N/A	0/238	1/1782	0/220	0/74	0/212	0/442	1/2968 (0.03%)
Case fatality rates for children with SAM³													
Pre	Overall	12/298	0/12	4/26	0/14	6/69	0/2	0/0	4/14	0/0	0/9	0/5	26/449 (5.8%)
Post	Overall	2/312	1/101	0/19	3/57	8/143	0/19	0/21	0/6	0/0	0/23	0/44	14/745 (1.9%)
SAM-related morbidity													
Number of cases diagnosed with acute respiratory infection in whom SAM was identified													
Pre	Overall	38/44	0/8	1/1	0/0	0/0	1/29	0/377	1/52	0/39	0/3	3/67	44/620 (7.1%)
Post	Overall	23/23	17/18	0/0	0/0	16/17	3/41	0/314	1/81	0/22	1/27	20/199	81/742 (10.9%)
Number of cases diagnosed with gastroenteritis in whom SAM was identified													
Pre	Overall	22/25	1/5	2/2	1/1	3/3	0/18	0/342	1/34	0/22	1/10	3/125	34/587 (5.8%)
Post	Overall	13/13	20/22	0/0	0/0	32/34	0/14	1/351	0/57	0/15	5/43	24/167	95/716 (13.3%)
Other outcome change													
Number of SAM admissions referred from Paediatric/Malnutrition wards to Komfo Anokye Teaching Hospital (Ghana only)													
Pre	Overall	28/298	0/12	0/26	0/14	0/69	0/2	0/0	1/14	0/0	N/A	N/A	29/435 (6.7%)
Post	Overall	8/312	0/101	0/19	0/57	1/143	0/19	0/21	0/6	0/0	N/A	N/A	9/678 (1.3%)

¹ MCHH: Maternal and Child Health Hospital, SMiH: St Michael's Hospital, EGH: Ejura Government Hospital, APH: Agogo Presbyterian Hospital, SPH: St Patrick's Hospital, KGH: Kogongo Government Hospital, SMaH: St Martin's Hospital, KSH, Kumasi South Hospital, MGH: Mankranso Government Hospital.

² Include reported SAM cases and cases with no SAM reported but of which anthropometric data met WHO SAM criteria.

³ Include SAM cases aged 6-60m that met WHO criteria (matched, unclassifiable, missed), and SAM cases aged <6m.

SAM, severe acute malnutrition