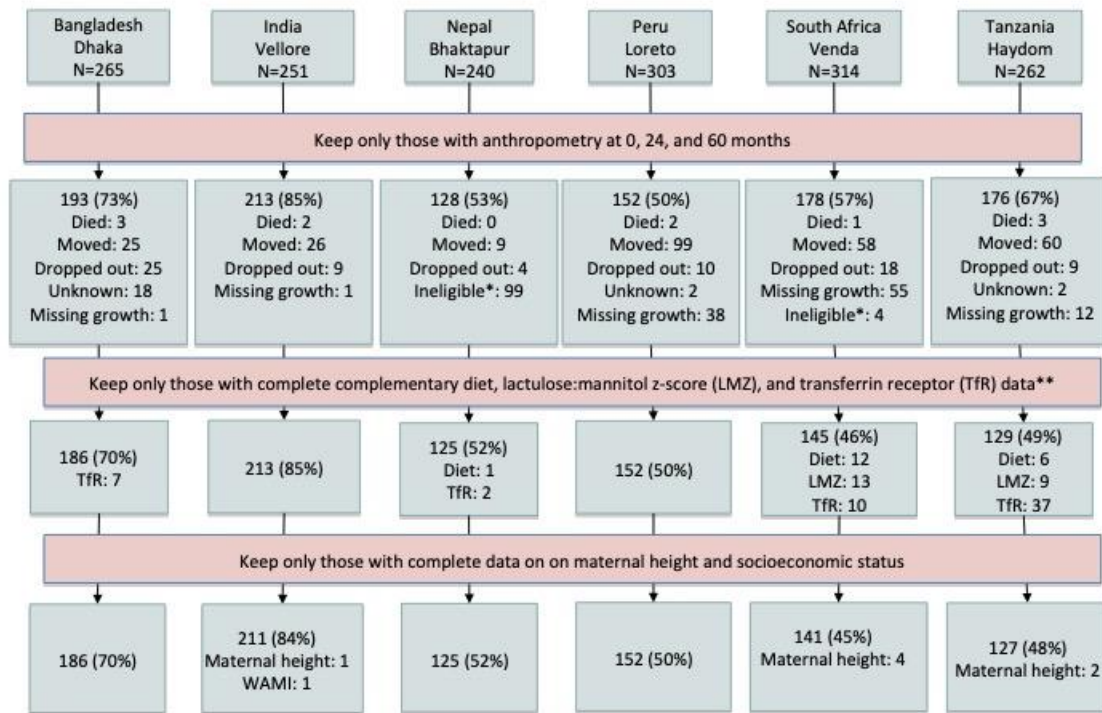


Supplemental Figure 1. Participants retained in the catch-up growth analysis



* In South Africa (4) and Nepal (99) children were older than 62 months when funding (South Africa) or ethical clearance (Nepal) was obtained.

** Children with at least 11 measures of dietary intake from 9-24 mo, and at least one L:M and transferrin receptor test result

Supplemental Table 1. Univariate model output

Category	Variable	HAZ		HAD		WAZ		WAD	
		Beta	P-value	Beta	P-value	Beta	P-value	Beta	P-value
Biomarkers	Hemoglobin	-0.05	0.01	0.00	0.96	-0.03	0.22	0.02	0.68
Biomarkers	AGP	0.00	0.01	0.00	0.22	0.00	0.38	0.00	0.70
Biomarkers	Retinol	-0.01	0.13	0.00	0.95	0.00	0.84	0.00	0.63
Biomarkers	MPO	0.06	0.17	-0.08	0.65	0.04	0.39	-0.18	0.11
Biomarkers	LMZ	-0.04	0.18	-0.48	0.00	-0.09	0.01	-0.33	0.00
Biomarkers	Zinc	-0.01	0.27	-0.02	0.56	0.01	0.40	0.01	0.50
Biomarkers	Alpha-1-Antitrypsin	-0.04	0.37	-0.53	0.01	0.06	0.26	-0.15	0.25
Biomarkers	Neopterin	-0.03	0.59	0.11	0.59	0.04	0.42	0.23	0.06
Biomarkers	Ferritin	0.00	0.79	-0.01	0.25	0.00	0.94	0.00	0.95
Biomarkers	TFR	0.00	0.92	0.04	0.24	0.02	0.06	0.06	0.00
Diet 9-24 mo	Calcium density	-0.06	0.00	-0.10	0.23	-0.05	0.03	-0.04	0.46
Diet 9-24 mo	Zinc density	-0.05	0.01	-0.11	0.20	-0.05	0.03	-0.06	0.25
Diet 9-24 mo	Vitamin A density	-0.04	0.03	-0.08	0.33	-0.01	0.74	-0.01	0.89
Diet 9-24 mo	Animal protein density	-0.04	0.04	-0.04	0.60	-0.04	0.10	-0.02	0.70
Diet 9-24 mo	Vitamin D density	-0.03	0.09	-0.11	0.16	-0.01	0.57	-0.04	0.38
Diet 9-24 mo	Vitamin B12 density	-0.03	0.17	-0.02	0.77	-0.01	0.70	-0.01	0.89
Diet 9-24 mo	Age weaned	0.00	0.27	0.00	0.73	0.00	0.27	0.00	0.14
Diet 9-24 mo	Protein density	-0.02	0.38	0.03	0.73	-0.05	0.02	-0.05	0.29
Diet 9-24 mo	Earliest age of predominant BF	0.00	0.44	0.00	0.28	0.00	0.83	0.00	0.88
Diet 9-24 mo	Minimum age of introduction of milk	0.00	0.50	0.00	0.14	0.00	0.09	0.00	0.22
Diet 9-24 mo	Maximum age of exclusive BF	0.00	0.57	0.00	0.47	0.00	0.72	0.00	0.05
Diet 9-24 mo	Vitamin C density	-0.01	0.62	0.05	0.52	0.07	0.00	0.17	0.00
Diet 9-24 mo	Iron density	0.01	0.65	0.02	0.85	0.00	0.85	0.00	0.99
Diet 9-24 mo	Meat, fish, poultry density	0.01	0.74	0.01	0.91	0.00	0.87	0.00	0.97
Diet 9-24 mo	Minimum age of introduction of solids	0.00	0.74	0.00	0.78	0.00	0.39	0.00	0.22
Diet 9-24 mo	Vitamin B6 density	0.01	0.78	0.05	0.53	0.01	0.80	-0.03	0.56
Diet 9-24 mo	Minimum age of partial breastfeeding	0.00	0.85	0.00	0.18	0.00	0.89	0.00	0.02
Diet 9-24 mo	Energy intake	0.00	0.86	0.15	0.06	-0.03	0.16	0.08	0.11
Diet 25-60 mo	Meat, fish, poultry density in years 3-5	-0.04	0.11	-0.07	0.50	-0.01	0.68	0.06	0.37
Diet 25-60 mo	Vitamin B6 density 3-5 y	-0.03	0.15	-0.04	0.69	-0.02	0.49	0.01	0.85
Diet 25-60 mo	Energy intake 3-5 y	0.03	0.20	0.30	0.00	0.01	0.62	0.21	0.00
Diet 25-60 mo	Vitamin A density 3-5 y	0.03	0.20	0.12	0.27	0.02	0.57	-0.01	0.95
Diet 25-60 mo	Vitamin C density 3-5 y	-0.03	0.28	-0.04	0.72	0.00	0.93	0.04	0.59
Diet 25-60 mo	Protein density 3-5 y	-0.02	0.50	0.03	0.78	-0.01	0.72	0.08	0.24
Diet 25-60 mo	Calcium density 3-5 y	-0.01	0.57	-0.02	0.87	0.00	0.94	0.01	0.87
Diet 25-60 mo	Iron density 3-5 y	-0.01	0.68	-0.01	0.95	0.00	0.95	0.04	0.61
Diet 25-60 mo	Animal protein density 3-5 y	0.00	0.88	0.09	0.39	0.01	0.63	0.08	0.27
Diet 25-60 mo	Vitamin B12 density 3-5 y	0.00	0.88	0.04	0.74	-0.03	0.22	-0.08	0.26
Diet 25-60 mo	Zinc density 3-5 y	0.00	0.94	0.04	0.72	-0.01	0.74	0.02	0.74
Diet 25-60 mo	Vitamin D density 3-5 y	0.00	0.95	-0.05	0.65	-0.01	0.78	0.00	0.96

Illness	ALRI prevalence	0.00	0.11	0.00	0.68	0.00	0.63	0.00	0.68
Illness	Cough prevalence	0.00	0.11	0.00	0.20	0.00	0.05	0.00	0.02
Illness	Any hospitalization	0.10	0.29	0.45	0.28	0.08	0.50	0.23	0.39
Illness	Fever prevalence	0.00	0.51	0.00	0.87	0.00	0.12	0.00	0.30
Illness	Diarrhea prevalence	0.00	0.53	0.00	0.31	0.00	0.31	0.01	0.06
Illness	Diarrhea incidence	0.00	0.53	0.02	0.47	0.00	0.58	0.02	0.06
Illness	ALRI incidence	0.01	0.57	-0.01	0.75	-0.01	0.44	-0.03	0.36
Illness	Illness prevalence	-0.01	0.63	0.06	0.30	0.02	0.12	0.07	0.06
Maternal characteristics	Income	0.00	0.03	0.00	0.41	0.00	0.83	0.00	0.00
Maternal characteristics	WAMI 3-5 y	-0.03	0.05	0.17	0.00	0.01	0.64	0.18	0.00
Maternal characteristics	WAMI 0-2 y	-0.03	0.06	0.16	0.01	0.01	0.57	0.18	0.00
Maternal characteristics	WAMI 5 y	-0.02	0.19	0.19	0.00	0.01	0.36	0.17	0.00
Maternal characteristics	Maternal height	0.00	0.33	0.07	0.00	0.00	0.84	0.04	0.00
Maternal characteristics	Maternal education	0.00	0.96	0.07	0.01	0.01	0.24	0.07	0.00
Pathogens	Campylobacter	0.03	0.01	0.01	0.79	0.02	0.14	-0.04	0.14
Pathogens	Pathogen density	0.01	0.01	-0.01	0.78	0.00	0.93	-0.03	0.02
Pathogens	Bacterial density	0.02	0.03	-0.06	0.26	0.01	0.58	-0.08	0.02
Pathogens	Pathogen density in first 6 mo	0.01	0.04	0.02	0.39	0.00	0.86	-0.01	0.25
Pathogens	Bacterial density in first 6 mo	0.01	0.06	0.01	0.77	0.01	0.42	-0.02	0.42
Pathogens	ST_ETEC	-0.07	0.14	-0.39	0.06	0.00	0.99	-0.05	0.68
Pathogens	Cryptosporidium	0.05	0.15	0.13	0.41	0.03	0.50	0.03	0.81
Pathogens	Giardia	0.02	0.15	0.03	0.61	-0.02	0.37	-0.06	0.09
Pathogens	Viruses	0.04	0.18	0.03	0.79	0.02	0.54	0.00	0.97
Pathogens	% stools with parasites (per 10%)	-0.01	0.19	-0.06	0.01	-0.02	0.00	-0.06	0.00
Pathogens	ETEC in first 6 mo	-0.01	0.47	-0.11	0.19	-0.01	0.64	-0.04	0.43
Pathogens	Viruses in first 6 mo	-0.01	0.48	-0.09	0.24	-0.02	0.39	-0.06	0.18
Pathogens	EAEC	0.01	0.52	-0.05	0.42	-0.01	0.40	-0.06	0.12
Pathogens	ETEC	0.00	0.90	-0.09	0.43	0.01	0.86	-0.02	0.83