Supplementary Table 1. Definition and categorisation of potential variables used in the study

Independent variables	Categorisation
Individual-level factors	
Maternal religion	In the 2 following categories: (1=Islam; 2=others)
Maternal working status	In the 2 following categories: (1=not working; 2=working)
Maternal education	In the 3 following categories: (1=No education; 2=Primary; 3=Secondary or higher)
Paternal education	In the 3 following categories: (1=No education; 2=Primary; 3=Secondary or higher)
Husband's occupation	In the 3 following categories: (1=Non-agricultural; 2=Agricultural; 3=Not working)
Adolescent mother's age	In the 2 following categories: (1= 12-18 years; 2=18-19 years)
Marital status	In the 2 following categories: (1= Currently married; 2=divorced/separated/widow)
Birth order	In the 2 following categories: (1= First-born; 2=2nd-4th born)
Preceding birth interval	In the 2 following categories: (1= No previous birth; 2=Yes)
Sex of baby	In the 2 following categories: (1=Male; 2=Female)
Number of living children	In the 2 following categories: (1= 1 child; 2=2-4 children)
Age of child (months)	In the 4 following categories: (1=0-5 months; 2=6-11 months; 3=12-17 months; 4=18-23 months)
Combined mode and place of delivery	In the 3 following categories: (1=Caesarean; 2=Vaginal & Health Facility; 3=Home)
Type of delivery assistance	In the 2 following categories: (1=Health professional[&]; 2=Non-health professional)
Antenatal Clinic visits	In the 4 following categories: (1) ≥8 antenatal care visits, (2) 4-7 antenatal care visits, and (3) 1-3 antenatal care visits (4) no antenatal care visits from a skilled provider for the most recent birth
Postnatal check-up	In the 3 following categories: (1=0-2 days; 2=After 2 days; 3=No postnatal check-up)
Adolescent mother BMI	In the 3 following categories: (1= <18.5; 2= 18.5-24.9; 3= ≥25)
Exposure to Media	
Adolescent mother reading newspapers	In the 2 following categories: (1= Not at all; 2=Yes)
Adolescent mother listening to radio	In the 2 following categories: (1= Not at all; 2=Yes)
Adolescent mother watching television	In the 2 following categories: (1= Not at all; 2=Yes)
Household-level factors	
Household wealth Index	hv217 (the household wealth index factor score) constructed by DHS based on a selected set of household assets. In quintiles, 1= richest; 2=richer; 3= middle; 2=poorer and 1= poorest)
Decision-making (Autonomy)	In the 3 following categories: (1= No Decision (0 score); 2= Some Decisions (1-2 scores); and 3= All Decisions (3 scores))
Community-level factors	
Residence	In the 2 following categories:(1=urban; 2=rural)

Geographical Region without Rangpur	In the 6 following categories: (1=Barisal; 2=Chittagong; 3=Dhaka; 4=Khulna; 5=Rajshahi; 6=Sylhet)
Geographical Region with Rangpur	In the 6 following categories: (1=Barisal; 2=Chittagong; 3=Dhaka; 4=Khulna; 5=Rajshahi; 6=Sylhet; 7=Rangpur)

&= doctor; nurse/midwife/paramedics, family welfare visitor medical assistant/community medical officer/ health assistant.

Supplementary Table 2. key Breastfeeding indicators by year among children 0-23 months of age, Bangladesh 2004-2014 (n=2554)

Year of survey	2004 (N*=614)			2007 (N*=521)			2011 (N*=693)			2014 (N*=726)		
Indicator	**N***	**n***	**Rate (95% CI)**	**N***	**n***	**Rate (95% CI)**	**N***	**n***	**Rate (95% CI)**	**N***	**n***	**Rate (95% CI)**
Early initiation of breastfeeding rate[a]												
Yes	614	153	24.9 (21.3, 28.8)	521	226	43.3 (38.5, 48.3)	693	326	47.1 (43.0, 51.2)	726	374	51.4 (46.2, 56.7)
Bottle-feeding rate[a]												
Yes ^	614	93	15.2 (12.4, 18.6)	*	*	*	693	99	14.2 (11.5, 17.4)	726	127	17.5 (13.3, 22.6)
Exclusive breastfeeding rate[c]												
Yes	187	83	44.1 (36.5, 52.1)	132	59	44.9 (35.5, 54.8)	214	144	67.1 (59.3, 74.1)	212	109	51.4 (41.0, 61.7)
Predominant breastfeeding rate[c]												
Yes	187	45	24.3 (18.2, 31.5)	132	22	17.0 (11.0, 25.4)	214	25	11.7 (7.6, 17.5)	212	36	17.1 (11.5, 24.7)

Supplementary Table 3 Individual, household and community and level characteristics of children 0-23 months of age by year of survey, Bangladesh 2004-2014.

Characteristic	2004 (n=614)		2007 (n=521)		2011 (n=693)		2014 (n=726)	
	n	%	n	%	n	%	n	%
Individual level factors								
Mother's religion								
Islam	572	93.2	491	94.2	636	91.9	675	92.9
Others[$]	41	6.6	31	5.9	56	8.1	51	7.1
Mother's working status								
Non-working	564	91.9	443	85.0	665	96.0	647	89.2
Working (past 12 months)	49	8.1	78	15.0	27	4.0	79	10.8
Mother's education								
No education	103	16.7	12	11.5	68	9.8	37	5.1
Primary	228	37.2	31	30.9	203	29.3	219	30.1
Secondary and higher	282	46.0	58	57.6	422	60.9	470	64.8
Partner's education								
No education	202	32.9	146	28.0	132	19.0	116	16.0
Primary	366	59.7	169	32.4	248	35.8	281	38.7
Secondary and higher	46	7.4	205	39.2	313	45.2	329	45.3
Partner's occupation								
Non-agricultural	396	64.5	367	70.5	412	59.5	407	56.1
Agricultural	196	32.0	141	27.1	168	24.3	161	22.2
Not working	22	3.5	13	2.5	113	16.3	158	21.8
Mother's age								
12- 18 years	304	49.5	198	38.0	270	38.9	290	39.9
18-19 years	310	50.5	323	62.0	423	61.1	436	60.1
Mother's marital status								
Currently married	606	98.7	511	98.0	690	99.7	720	99.1
Formerly married^	8	1.3	10	2.0	2	0.3	6	0.9
Birth order								
First-born	452	73.7	414	79.3	568	82.0	649	89.4
2^{nd}-4^{th}	162	26.3	108	20.7	125	18.0	77	10.6
Preceding birth interval								
No previous birth	453	73.8	414	79.3	572	82.5	649	89.4
Yes	161	26.2	108	20.7	121	17.5	77	10.6
Sex of baby								
Male	301	49.1	257	49.2	352	50.9	393	54.1
Female	312	50.9	265	50.8	340	49.1	333	45.9
Number of living children								
1	476	77.7	435	83.4	587	84.8	659	90.7
2-4	137	22.3	87	16.7	105	15.2	67	9.3
Age of child (in months)								
0-5	187	30.5	132	25.3	214	30.9	212	29.2

6-11	161	26.2	143	27.3	201	29.1	212	29.2
12-17	161	26.2	113	21.7	175	25.3	179	24.7
18-23	105	17.1	134	25.7	102	14.8	123	16.9
Combined mode and place of delivery (n= 2548)								
Caesarean & Health Facility	545	88.9	438	83.9	485	70.0	466	64.2
Vaginal & Health Facility	40	6.4	49	9.4	112	16.2	106	14.5
Home	23	3.7	35	6.7	96	13.9	155	21.3
Type of delivery assistance (n= 2543)								
Health professional	57	9.4	81	15.6	175	25.3	227	31.3
Non-health professional	555	90.4	432	82.8	516	74.5	499	68.7
Antenatal Clinic visits								
8+	18	3.0	12	2.3	32	4.6	42	5.8
4-7	81	13.2	90	17.3	161	23.3	176	24.2
1-3	267	43.6	234	44.9	299	43.1	379	52.1
None	247	40.3	185	35.5	201	29.0	130	17.9
Postnatal check-up								
0-2 days	74	12.1	115	22.1	144	20.8	297	40.9
After 2 days	38	6.3	56	10.7	67	9.7	134	18.4
No postnatal check-up	501	81.6	350	67.2	482	69.6	295	40.7
Mother's BMI								
<18.5	217	35.4	143	27.4	199	28.7	195	26.9
18.5-24.9	377	61.4	360	69.1	458	66.1	480	66.1
25+	4	0.7	11	2.2	28	4.0	48	6.6
Exposure to Media								
Mothers reading Newspapers								
Not at all	507	82.7	458	87.9	603	87.1	627	86.4
Yes[#]	106	17.3	63	12.1	89	12.9	97	13.3
Mothers listening to radio								
Not at all	304	49.5	359	68.8	612	88.3	675	93.0
Yes[#]	310	50.5	163	31.2	81	11.7	51	7.0
Mothers watching TV								
Not at all	257	41.8	246	47.1	245	35.4	308	42.5
Yes[#]	356	57.9	276	52.9	447	64.6	418	57.5
Household level factors								
Household wealth Index								
Richest	93	15.1	74	14.1	160	23.0	171	23.5
Richer	164	26.7	93	17.8	142	20.5	143	19.7
Middle	143	23.3	123	23.7	114	16.5	126	17.4
Poorer	95	15.5	167	32.1	137	19.8	103	14.2
Poorest	119	19.3	64	12.3	139	20.1	183	25.3
Decision-making (Autonomy)								
No Decision (0 score)	329	53.7	238	45.6	248	35.8	246	33.9
Some Decisions (1-2 scores)	188	30.7	177	34.0	213	30.7	223	30.7
All Decisions (2 scores)	96	15.6	106	20.4	232	33.5	257	35.4

Community level factors								
Residence	110	18.0	87	16.7	141	20.3	177	24.5
Urban	503	82.0	434	83.3	552	79.7	549	75.6
Rural								
Geographical Region without Rangpur								
Barisal	37	5.987	28	5.443	39	6.5	41	6.3
Chittagong	130	21.16	98	18.84	145	24.5	161	24.9
Dhaka	162	26.42	167	32.07	202	34.0	260	40.2
Khulna	71	11.52	43	8.258	90	15.2	62	9.6
Rajshahi	186	30.28	150	28.72	91	15.4	68	10.4
Sylhet	28	4.63	35	6.667	27	4.5	56	8.6
Geographical Region with Rangpur								
Barisal					39	5.6	41	5.6
Chittagong					145	21.0	161	22.1
Dhaka					202	29.1	260	35.9
Khulna					90	13.0	62	8.5
Rajshahi					91	13.2	68	9.3
Sylhet					27	3.9	56	7.6
Rangpur					99	14.3	79	10.9

Supplementary Table 4. Distribution of breastfeeding by child age in months (2004-2014)

Age in months	Exclusively BF	BF + water	BF+ Liquids/Juice	BF+ Other milk	BF+ Complimentary feeds	No BF	Total
0	86.8	2.9	3.1	7.2	0.0	0.0	100
1	71.8	12.4	2.7	7.3	4.8	1.1	100
2	56.6	15.6	3.7	16.2	5.6	2.3	100
3	53.5	9.4	8.5	21.3	7.2	0.0	100
4	43.3	16.4	5.8	19.4	14.0	1.2	100
5	19.0	15.1	4.9	21.9	39.0	0.2	100
6	11.4	18.6	5.0	11.2	49.8	4.0	100
7	3.0	14.5	3.0	8.7	69.8	1.1	100
8	2.0	5.5	2.5	9.7	78.3	2.0	100
9	0.0	3.9	1.8	0.8	89.4	4.1	100
10	0.0	5.5	2.2	2.7	84.5	5.2	100
11	0.8	2.8	1.2	0.4	93.6	1.1	100
12	0.4	2.6	3.1	2.6	88.2	3.1	100
13	1.4	4.3	0.0	0.0	88.3	6.0	100
14	1.0	0.7	0.0	2.6	94.6	1.1	100
15	0.3	1.4	0.0	8.1	84.8	5.5	100
16	0.0	0.8	0.0	1.6	91.3	6.3	100
17	0.0	2.8	0.0	0.0	96.0	1.2	100
18	0.0	1.5	0.0	0.0	96.6	1.8	100
19	0.0	1.0	0.0	0.0	90.5	8.5	100
20	0.0	0.2	0.0	0.0	93.7	6.1	100
21	1.6	0.9	0.0	0.9	89.5	7.2	100
22	0.0	0.0	0.0	2.0	85.4	12.6	100
23	0.0	3.4	0.0	0.0	87.5	9.2	100