

Sub regional landscape on Maternal-infant and Young Child Nutrition (MIYCN) of Bangladesh

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BANGLADESH

Nutritional status of the children from 20 years ago to 2011 in Bangladesh

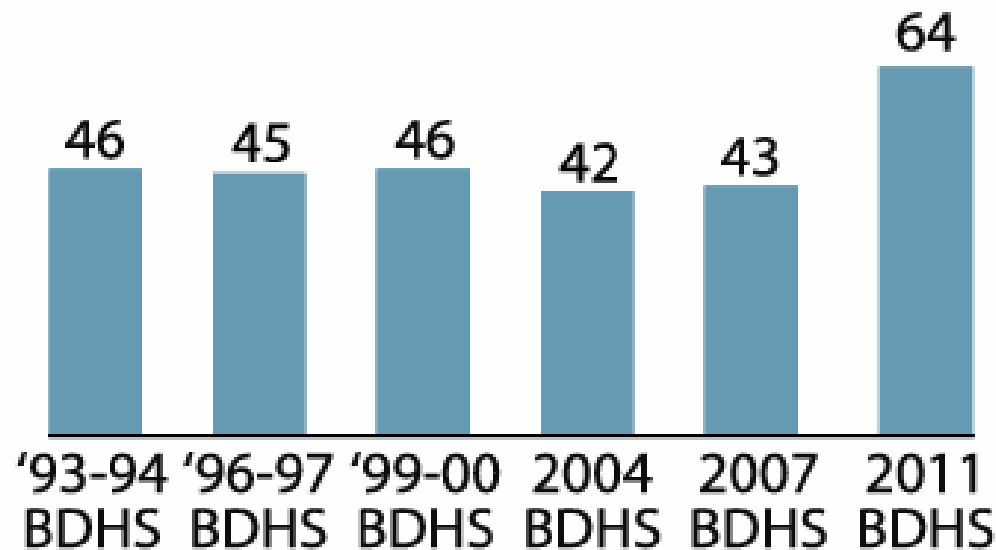
Indicator ⁴⁰	Source	
	BDHS 1993-1997	BDHS 2011
Neonatal Mortality Rate	52/1000 Live Birth	32/1000 Live Birth
Infant Mortality Rate	82/1000 Live Birth	43/1000 Live Birth
Under five Mortality Rate	133/1000 Live Birth	53/1000 Live Birth
Low Birth Weight	36/1000 Live Birth	36/1000 Live Birth
Stunting	54.6%	41%
Wasted	17.7%	16%
Underweight	56.3%	36%
Early Initiation of Breast feeding	13.2%	46%
Exclusive Breast Feeding (<4 months)	40%	64%
Complementary Feeding (4-6 months)	19.5%	21%

Exclusive breastfeeding rate for the first six months of Bangladesh

Trends in Exclusive Breastfeeding

Percent of children under 6 months who are exclusively breastfed

**2016 Aim:
50%**



Per day cost of formula milk feeding in Bangladesh

A) Under 6 months of Children:

Calorie need per day = 6kg X 110kcal = **660kcal/day**

Formula milk energy density

100ml=66kcal

Therefore, 660kcal/day=1000ml/day=**1L/day**

Price of a container of formula milk is 565 tk which provides approximately 4 liter. Therefore, per liter cost = $565/4=142$ tk
=142 tk/day

Others cost (Accessories +preparation +fuel+ person) =150 tk
Thus the total per day cost of formula milk = $(142 +150)$ tk
=292 tk = 3.65 USD \$

Cont...

Per day cost of formula milk who are not exclusively breastfed

Total per day cost of formula milk= **3.65 USD \$**

Thus, per day cost of 36% of children (<6months) non EBF and formula milk feeding children

$$=3.65 \times 3,96,000$$

$$= \text{US \$ } \mathbf{1.4m}$$

Cont...

B) 6-23 months of Children:

Per child cost= 3.65 USD

Thus, per day cost of 50% children (6-23months) formula milk feeding of children = $3.65 \times 11,88,000$

=US \$ 4.3million

- Total 1 day cost A+B=US \$1.4+4.3

=US \$ 5.7 million

- Per year cost = 5.7×365 days = US \$ 2.08 billion

In BDT=16,644 crore

Estimated cost of illness treated

For Diarrhea Only

(A) If Baby suffers from diarrhea 1 episode/yr
1 episode = 3 days illness at **home** (per day cost US \$ 6)
= 6 x 3 times in a year
Cost = US \$ 18.0

Assume 2/3 of the children have mild episodes
= 1,500,000 X US \$ 18
= US \$ 27million

Cont....

B) Hospitalized

Non EBF Baby suffering from diarrhea -3 episode/yr
3 days illness at hospital

Tk 1000 per day cost X 3 days (1 episode)

Tk 3000 per episode x 3 episode per yr

Tk 9000/yr = US \$ 112.5

If severe cases are hospitalized (1/3 of total children)

Cost = US \$ 112.5 X 7,00,000

Approximately = US \$ 79 million

Total cost of mild and severe diarrhoea due to no BF

• $A+B = (27m + 78.7 m) = US \$ 105.7 m$

Equivalent to Bangladesh Taka 8,40 crore

Abundant and micronutrient rich Food in Bangladesh

- Carrot
- Spinach
- Egg
- Fish
- Papaya

Carrot



Spinach



Egg



Small Fish



Papaya





Thank You