

Bottle feeding rate (BOT) calculator ¹

<i>Bottle feeding rate (BOT) calculator using DHS data available for two-month intervals</i>			
			From the published tables:
1a	BOT, 0–1 mo	%	BOT rate in percentages for BF children 0–< 2 months
1b	BOT, 2–3 mo	%	BOT rate in percentages for BF children 2–< 4 months
1c	BOT, 4–5 mo	%	BOT rate in percentages for BF children 4–< 6 months
1d	BOT, 6–7 mo	%	BOT rate in percentages for BF children 6–< 8 months
1e	BOT, 8–9 mo	%	BOT rate in percentages for BF children 8–< 10 months
1f	BOT, 10–11 mo	%	BOT rate in percentages for BF children 10–< 12 months
1g	BOT, 0–11 mo	%	Calculated BOT rate for BF children 0–< 12 months
			From the published tables:
2a	Number, 0–1 mo		Total number of BF children in the age group 0–<2 months
2b	Number, 2–3 mo		Total number of BF children in the age group 2–<4 months
2c	Number, 4–5 mo		Total number of BF children in the age group 4–<6 months
2d	Number, 6–7 mo		Total number of BF children in the age group 6–<8 months
2e	Number, 8–9 mo		Total number of BF children in the age group 8–<10 months
2f	Number, 10–11 mo		Total number of BF children in the age group 10–<12 months
2g	Number, 0–11 mo		Calculated total number of BF children aged 0–<12 months
			Calculated absolute numbers
3a	Numbers BOT, 0–1 mo		BF children 0–<2 months who are bottle-fed
3b	Numbers BOT, 2–3 mo		BF children 2–<4 months who are bottle-fed
3c	Numbers BOT, 4–5 mo		BF children 4–<6 months who are bottle-fed
3d	Numbers BOT, 6–7 mo		BF children 6–<8 months who are bottle-fed
3e	Numbers BOT, 8–9 mo		BF children 8–<10 months who are bottle-fed
3f	Numbers BOT, 10–		BF children 10–<12 months who are bottle-fed

¹ WHO (2013). Infant and Young Child Feeding-A tool for assessing national practices, policies and programmes. Available at <http://whqlibdoc.who.int/publications/2003/9241562544.pdf>

	11mo		
3g	Numbers BOT, 0–11 mo		BF children 0–<12 months who are bottle-fed

Instructions for calculating the bottle-feeding rate for children 0–<12 months of age:

1. Find the table on “types of food received by children in preceding 24 hours” in the chapter on infant, child and maternal nutrition in the most recent *Demographic and Health Survey (DHS)* for the selected country.
2. Locate the data on percentage of breastfeeding (BF) children “using bottle with a nipple” and the data on the “number of children” for the same age groups – usually the last two columns in the table.
3. List the bottle-feeding rates (BOT) in percentages for children ages 0–1, 2–3, 4–5, 6–7, 8–9, and 10–11 in rows 1a–1f in the table above. (Use figures with one decimal point e.g. 15.6%).
4. List the total number of children ages 0–1, 2–3, 4–5, 6–7, 8–9, and 10–11 in rows 2a–2f in the table above.
5. Calculate the numbers of children in the survey aged 0–11 months by adding the numbers in rows 2a–2f and insert this number in row 2g above.
6. Calculate the numbers of BF children who are bottle-fed for each age group by multiplying the total number in each age group by the percentage bottle-fed in that age group, and insert in the appropriate rows above ($1a \times 2a = 3a$; $1b \times 2b = 3b$; $1c \times 2c = 3c$; $1d \times 2d = 3d$; $1e \times 2e = 3e$ and $1f \times 2f = 3f$). Round each number to the nearest whole number.
7. Calculate the number of BF children who are bottle-fed 0–11 months of age by adding up the numbers of BF children who are bottle-fed in each age group, and insert this number in row 3g above ($3a + 3b + 3c + 3d + 3e + 3f = 3g$).
8. Calculate the bottle-feeding rate for BF children 0–5 months by dividing the number of BF children 0–11 months who are bottle-fed by the total number of BF children for these same ages and insert the percentage in row 1g above ($3g / 2g = 1g$).