

PRISMA-Infant-Outcomes (Issued: 2024 June 18)

Includes data from synapse last updated: 2024 June 14

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1. Summary

Table 1. Summary of all infant outcomes included in this report.

Denominator: All livebirths unless otherwise specified. All missing is excluded.

For more detailed output, please refer to the specified sections below.

Table 1							
	Total	Ghana	India-CMC	India-SAS	Kenya	Pakistan	Zambia
Total livebirths	5001	863	309	2	957	2177	693
Low birthweight <2500g (PRISMA or facility measured), n (%)	987 (20)	106 (13)	57 (19)	2 (100)	125 (13)	515 (27)	182 (28)
Low birthweight <1500g (PRISMA or facility measured), n (%)	146 (2.9)	4 (0.51)	8 (2.7)	0 (0)	8 (0.84)	23 (1.2)	103 (16)
Preterm birth <37wks, n (%)	769 (15)	52 (5.9)	36 (11)	2 (29)	96 (9.7)	495 (22)	88 (12)
SGA <3rd	584 (13)	99 (13)	25 (8.4)	0 (0)	75 (7.9)	241 (13)	144 (22)
SGA <10th, n (%)	1239 (27)	206 (26)	70 (24)	1 (50)	178 (19)	554 (29)	230 (36)
LGA >=90th, n (%)	120 (2.6)	25 (3.2)	5 (1.7)	0 (0)	32 (3.4)	34 (1.8)	24 (3.7)
Neonatal mortality, n per 1000 ^a	81 (21)	0 (0)	0 (0)	0 (0)	7 (8.2)	74 (37)	0 (0)
Stillbirth >=20wks, n per 1000 ^b	156 (30)	21 (24)	10 (31)	5 (714)	36 (36)	58 (26)	26 (36)
Total fetal deaths, n (%) ^c	210 (4)	23 (2.6)	16 (5)	9 (82)	53 (5.2)	83 (3.7)	26 (3.6)
Perinatal birth asphyxia, n (%)	464 (9.3)	106 (12)	26 (8.4)	0 (0)	59 (6.2)	222 (10)	51 (7.3)
Hyperbilirubinemia by AAP threshold, n (%) ^d	159 (3.8)	27 (3.4)	25 (8.8)	1 (14)	41 (4.2)	65 (3.1)	0 (0)
Any jaundice identified at any time ^e	1007 (21)	54 (6.6)	43 (16)	1 (50)	107 (11)	794 (38)	8 (1.3)

^a Denominator is all live births with MNH09 and MNH11 filled out AND have passed the risk period with a visit OR died within the risk period (risk period: age = 28days).

^b Denominator is all livebirths and stillbirths.

^c Denominator is all infants with a fetal loss reported in MNH04 `(PRG_DSDECOD)` or birth outcome in MNH09 `(BIRTH_DSTERM_INF1)`.

^d All infants with a TcB measurement taken at <14 weeks of life.

^e All infants with a jaundice assessment at <14 weeks of life.

2. Low birthweight

Definition: Defined as liveborn infant weighing less than 2500g at birth.

Denominator: All infants with a MNH11 form and a reported “live birth” (BIRTH_DSTERM=1 [MNH09]).

To be included as “non-missing” for this outcome, a participant must have:

1. Live birth (varname: BIRTH_DSTERM [MNH09]).
2. Birthweight measured by PRISMA staff <72 hours following birth (varnames [form]: BW_EST_FAORRES [MNH11], BW_FAORRES [MNH11], BW_FAORRES_REPORT [MNH11]).
3. Facility reported birthweight where PRISMA <72 hours not available (varnames [form]: BW_FAORRES_REPORT [MNH11]).

Table 2. Low birthweight

Table 2						
	Ghana	India-CMC	India-SAS	Kenya	Pakistan	Zambia
Data completeness						
Denominator	863	309	2	957	2177	693
Missing hours since birthweight measured, n (%)	275 (32)	33 (11)	0 (0)	67 (7)	1 (0.05)	202 (29)
Missing PRISMA birthweight, n (%)	287 (33)	57 (18)	0 (0)	54 (5.6)	406 (19)	262 (38)
Missing facility birthweight, n (%)	111 (13)	10 (3.2)	0 (0)	31 (3.2)	1012 (46)	451 (65)
Missing PRISMA & facility birthweight, n (%)	74 (8.6)	10 (3.2)	0 (0)	4 (0.42)	293 (13)	20 (2.9)
PRISMA measured birthweight, n (%)						
Denominator	576	252	2	902	1771	431
Normal birthweight >=2500g	494 (86)	211 (84)	0 (0)	794 (88)	1293 (73)	369 (86)
Low birthweight 1500 to <2500g	80 (14)	37 (15)	2 (100)	106 (12)	466 (26)	56 (13)
Very low birthweight <1500g	2 (0.35)	4 (1.6)	0 (0)	2 (0.22)	12 (0.68)	6 (1.4)
Any method measured birthweight, n (%)						
Denominator	789	299	2	953	1884	649
Normal birthweight >=2500g	683 (87)	242 (81)	0 (0)	828 (87)	1369 (73)	467 (72)
Low birthweight 1500 to <2500g	102 (13)	49 (16)	2 (100)	117 (12)	492 (26)	79 (12)
Very low birthweight <1500g	4 (0.51)	8 (2.7)	0 (0)	8 (0.84)	23 (1.2)	103 (16)

Figure 2a. PRISMA-measured birthweights across sites.

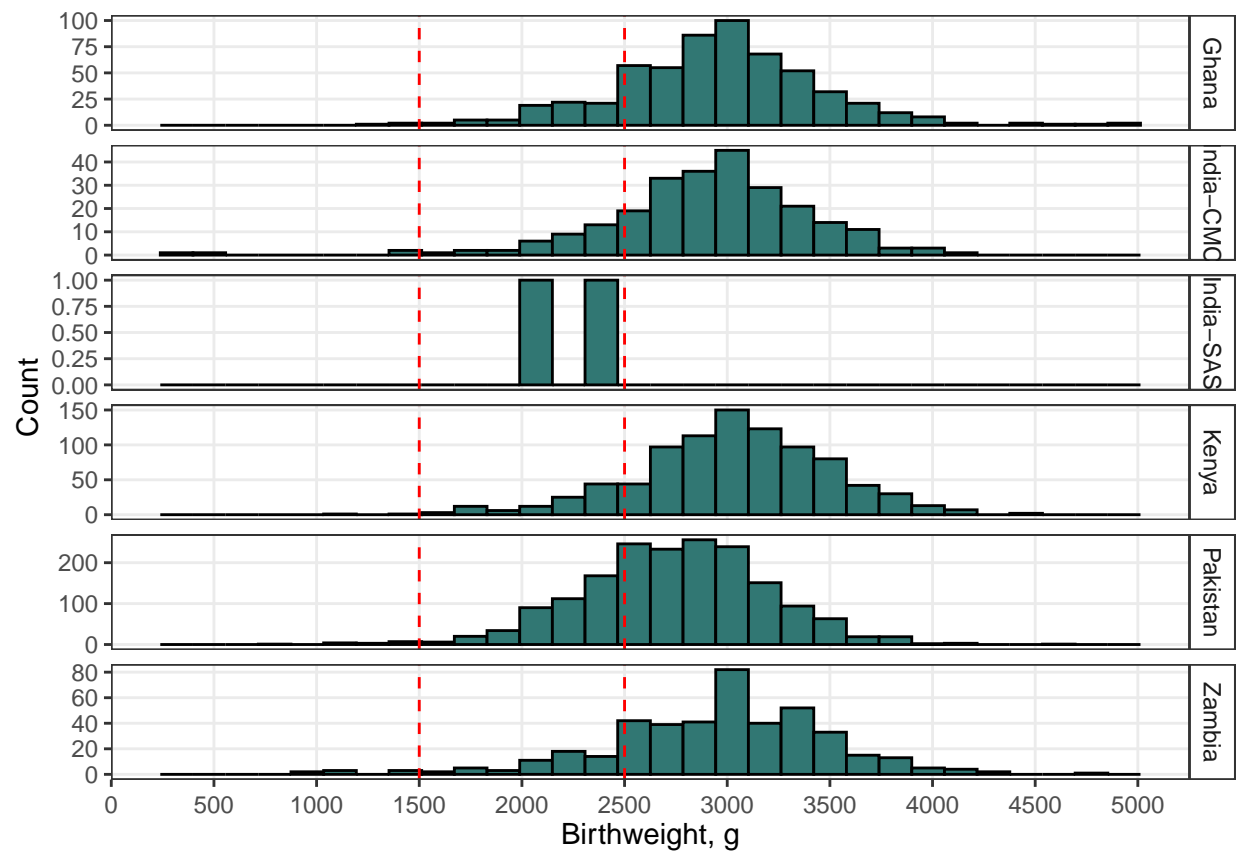


Figure 2b. Facility-reported birthweights across sites.

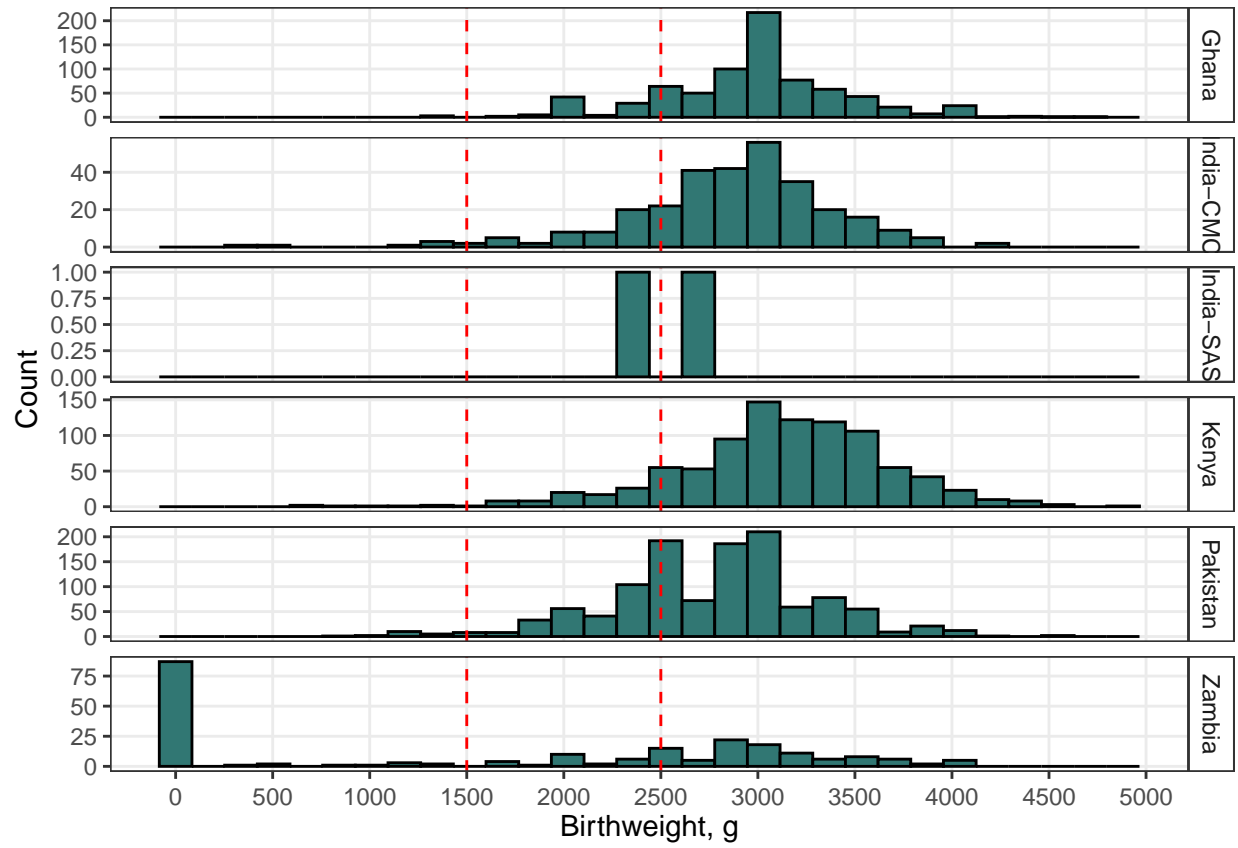


Figure 2c. Hours following birth infant was weighed across sites.

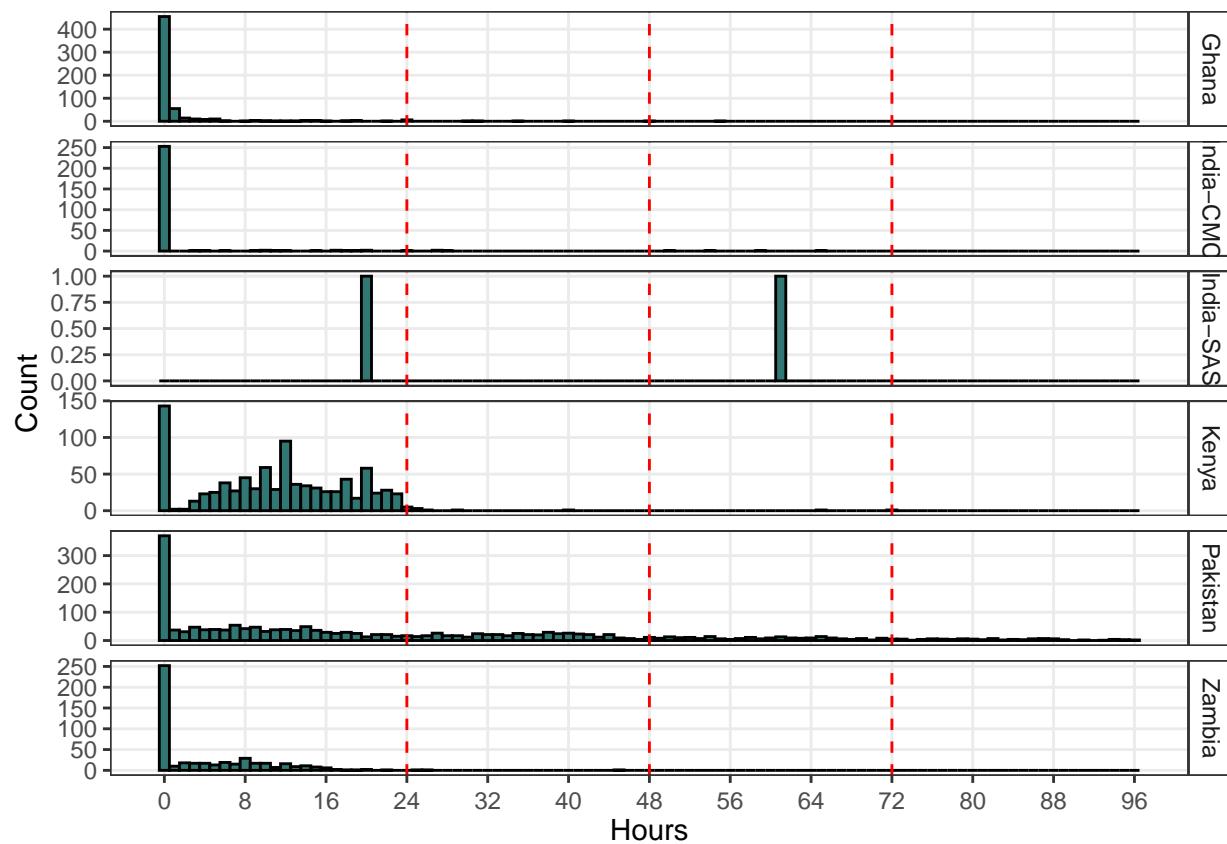


Figure 2c. Hours following birth weight measurement recorded by PRISMA-trained staff (or Facility reported where PRISMA measurement not available). Report of “0” indicates the measurement was taken <1hr following birth. Dashed lines represent 24, 48, and 72 hour time points.

3. Gestational age at delivery

Definition: Preterm delivery prior to 37 completed weeks of gestation. Further classified as: extremely preterm (<28 weeks), very preterm (28 to <32 weeks), moderate preterm (32 to <34 weeks), late preterm (34 to <37 weeks), term (37 to <41 weeks), and postterm (>41 weeks).

Denominator: All participants with delivery after 20 weeks with a MNH09 form filled out with a reported “birth outcome” (BIRTH_DSTERM_INF1-4=1 OR BIRTH_DSTERM_INF1-4=2 [MNH09]) AND has valid gestational age reported in MNH01 (US_GA_WKS_AGE_FTS1-4 [MNH01], US_GA_DAYS_AGE_FTS1-4 [MNH01], GA_LMP_WEEKS_SCORRES [MNH01]). Preterm delivery includes live or stillbirths; preterm birth includes only livebirths.

Note: *Gestational age information collected in MNH01 is used to generate best obstetric estimates for EDD. These constructed variables are then used to calculate GA at time of birth.*

To be included as “non-Missing” for this outcome, a participant must have:

1. Reported gestational age by either LMP or Ultrasound (varnames [form]: US_GA_WKS_AGE_FTS1-4 [MNH01], US_GA_DAYS_AGE_FTS1-4 [MNH01], GA_LMP_WEEKS_SCORRES [MNH01]).
2. Valid enrollment ultrasound visit date (varname: US_OHOSTDAT [MNH01])
3. Valid date of birth (varname: DELIV_DSSTDAT_INF1-4 [MNH09]).
4. Birth outcome reported as a “Live birth” or “Fetal death” (varname: BIRTH_DSTERM_INF1-4 [MNH09]).

Common causes for a participant to be marked as “Missing”:

- Participant is missing a reported GA by Ultrasound AND GA by LMP in MNH01.
- Participant has multiple or is missing an enrollment ultrasound visit (TYPE_VISIT=1).
- Default value is used for enrollment ultrasound visit date (US_OHOSTDAT=07-07-1907).
- Birth outcome is reported as “77, Not applicable”.

Table 3. Preterm delivery & preterm birth

Table 3						
	Ghana	India-CMC	India-SAS	Kenya	Pakistan	Zambia
Data Completeness [MNH01] (among participants with a birth outcome)						
Denominator	884	319	7	991	2235	720
Missing both US and LMP GA, n (%)	0 (0)	0 (0)	0 (0)	1 (0.1)	0 (0)	0 (0)
BOE = Ultrasound, n (%)	875 (99)	319 (100)	7 (100)	716 (72)	1854 (83)	556 (77)
BOE = LMP, n (%)	9 (1)	0 (0)	0 (0)	274 (28)	381 (17)	164 (23)
Preterm birth severity (livebirths) (categorical), n (%)						
Denominator	863	309	2	957	2177	693
Extremely preterm (<28wks)	0 (0)	2 (0.65)	0 (0)	6 (0.63)	13 (0.6)	4 (0.58)
Very preterm (28 to <32wks)	6 (0.7)	3 (0.97)	0 (0)	6 (0.63)	29 (1.3)	12 (1.7)
Moderate preterm (32 to <34wks)	6 (0.7)	5 (1.6)	0 (0)	8 (0.84)	41 (1.9)	16 (2.3)
Late preterm (34 to <37wks)	40 (4.6)	26 (8.4)	2 (100)	76 (7.9)	412 (19)	56 (8.1)
Term (37 to <41wks)	690 (80)	270 (87)	0 (0)	697 (73)	1615 (74)	525 (76)
Postterm (>=41wks)	121 (14)	3 (0.97)	0 (0)	164 (17)	67 (3.1)	80 (12)
Preterm delivery severity (live & stillbirths) (categorical), n (%)						
Denominator	884	319	7	991	2235	720
Extremely preterm (<28wks)	6 (0.68)	11 (3.4)	2 (29)	23 (2.3)	20 (0.89)	15 (2.1)
Very preterm (28 to <32wks)	7 (0.79)	3 (0.94)	3 (43)	11 (1.1)	39 (1.7)	15 (2.1)
Moderate preterm (32 to <34wks)	8 (0.9)	5 (1.6)	0 (0)	9 (0.91)	46 (2.1)	20 (2.8)
Late preterm (34 to <37wks)	42 (4.8)	27 (8.5)	2 (29)	81 (8.2)	429 (19)	58 (8.1)
Term (37 to <41wks)	695 (79)	270 (85)	0 (0)	700 (71)	1633 (73)	530 (74)
Postterm (>=41wks)	124 (14)	3 (0.94)	0 (0)	166 (17)	68 (3)	81 (11)

Figure 3a. Distribution of days difference between GA by US and GA by LMP reporting across sites.

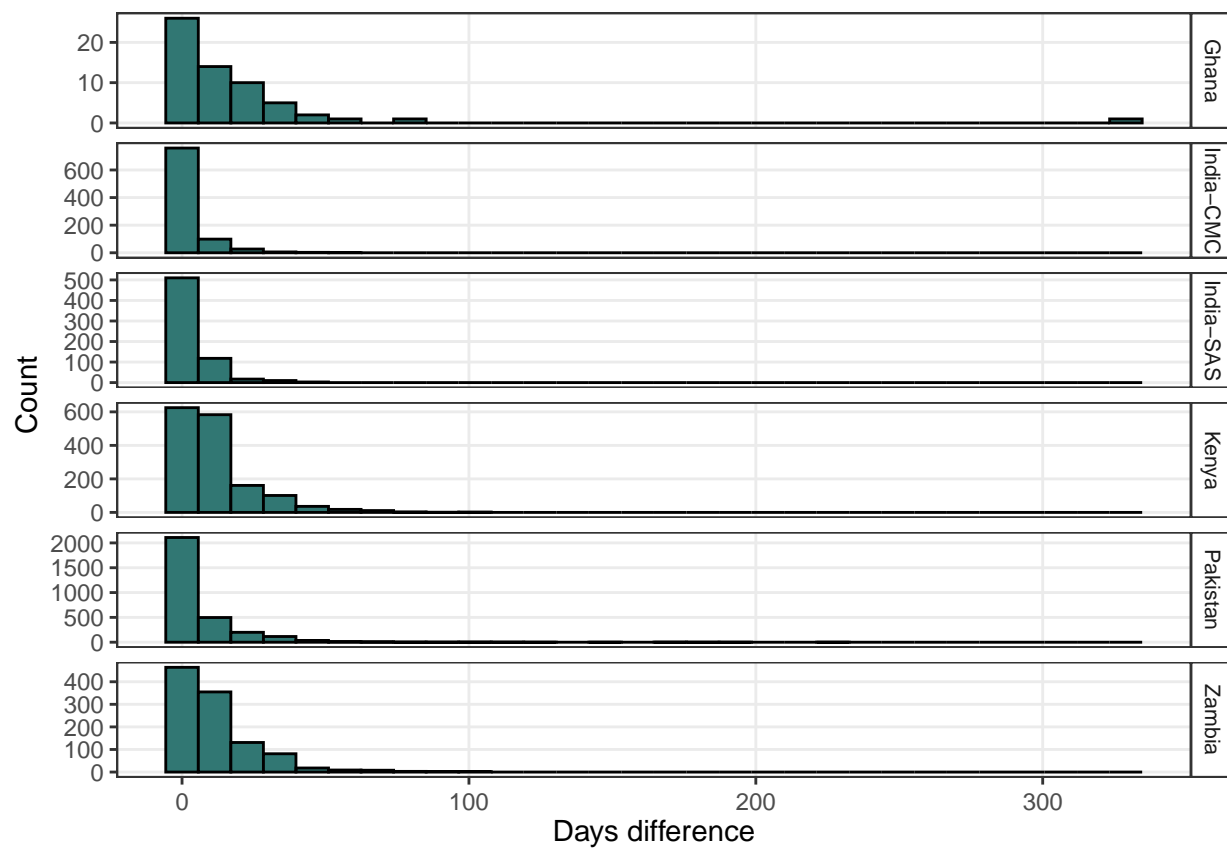


Figure 3b. Distribution of gestational age at birth in weeks.

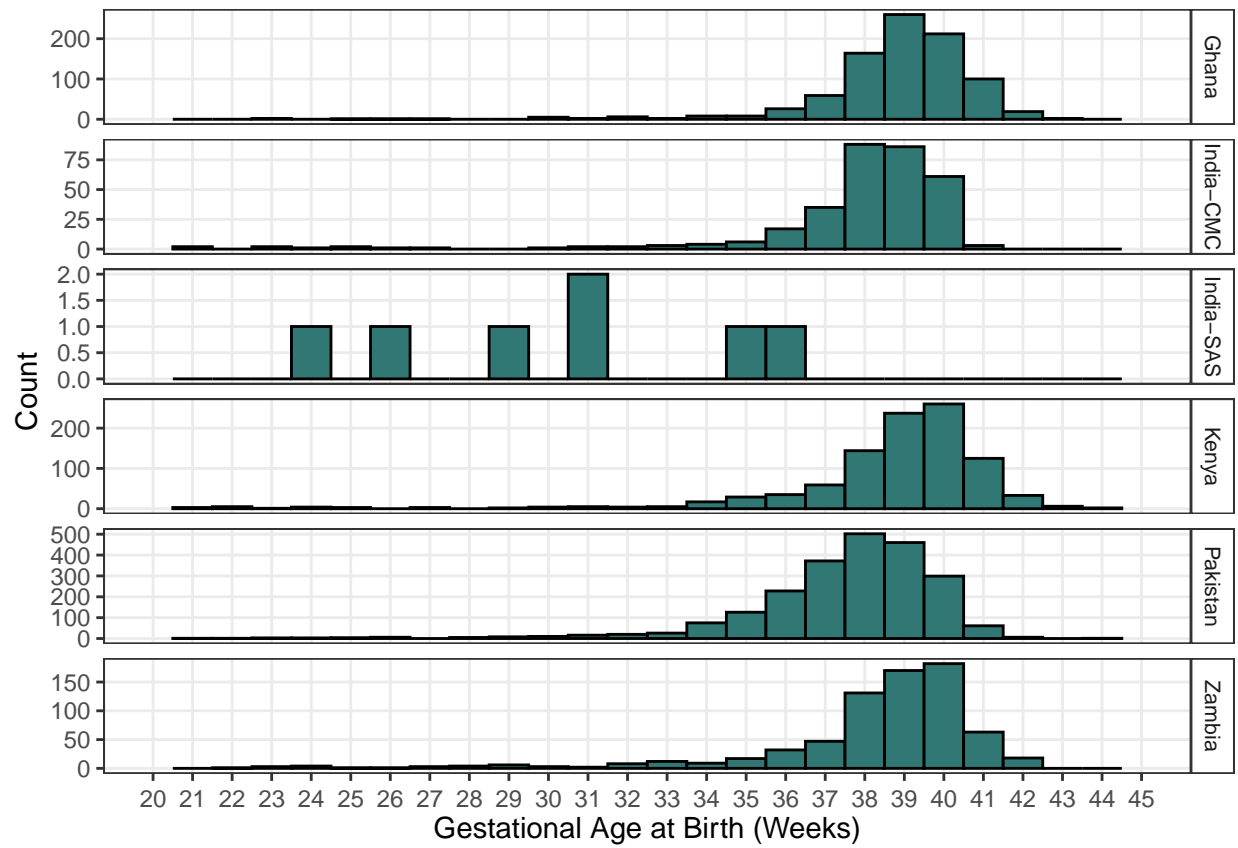


Figure 3b. Gestational age at birth was calculated by taking the difference between the DOB and “estimated conception date” determined by BOE.

4. Size for gestational age (SGA/LGA)

Definition: GA & sex-specific birthweight percentiles per INTERGROWTH standard. Further classified as <3rd, 3rd to 10th, 10th to <90th, >=90th.

Denominator: All live births reported in MNH09.

Note: Gestational age information collected in MNH01 is used to generate best obstetric estimates for EDD. These constructed variables are then used to calculate GA at time of birth.

To be included as “non-Missing” for this outcome, a participant must have:

1. Reported gestational age by either LMP or Ultrasound (varnames [form]: US_GA_WKS_AGE_FTS1-4 [MNH01], US_GA_DAYS_AGE_FTS1-4 [MNH01], GA_LMP_WEEKS_SCORRES [MNH01]).
2. Valid date of birth (varname: DELIV_DSSTDAT_INF1-4 [MNH09]).
3. Birthweight measured by PRISMA staff <72 hours following birth OR facility reported birthweight where PRISMA not available (varnames [form]: BW_EST_FAORRES [MNH11], BW_FAORRES [MNH11], BW_FAORRES_REPORT [MNH11]).
4. Live birth (varname: BIRTH_DSTERM_INF1-4 [MNH09]).
5. Sex of infant (varname: SEX_INF1-4 [MNH09]).

Common causes for a participant to be marked as “Missing”:

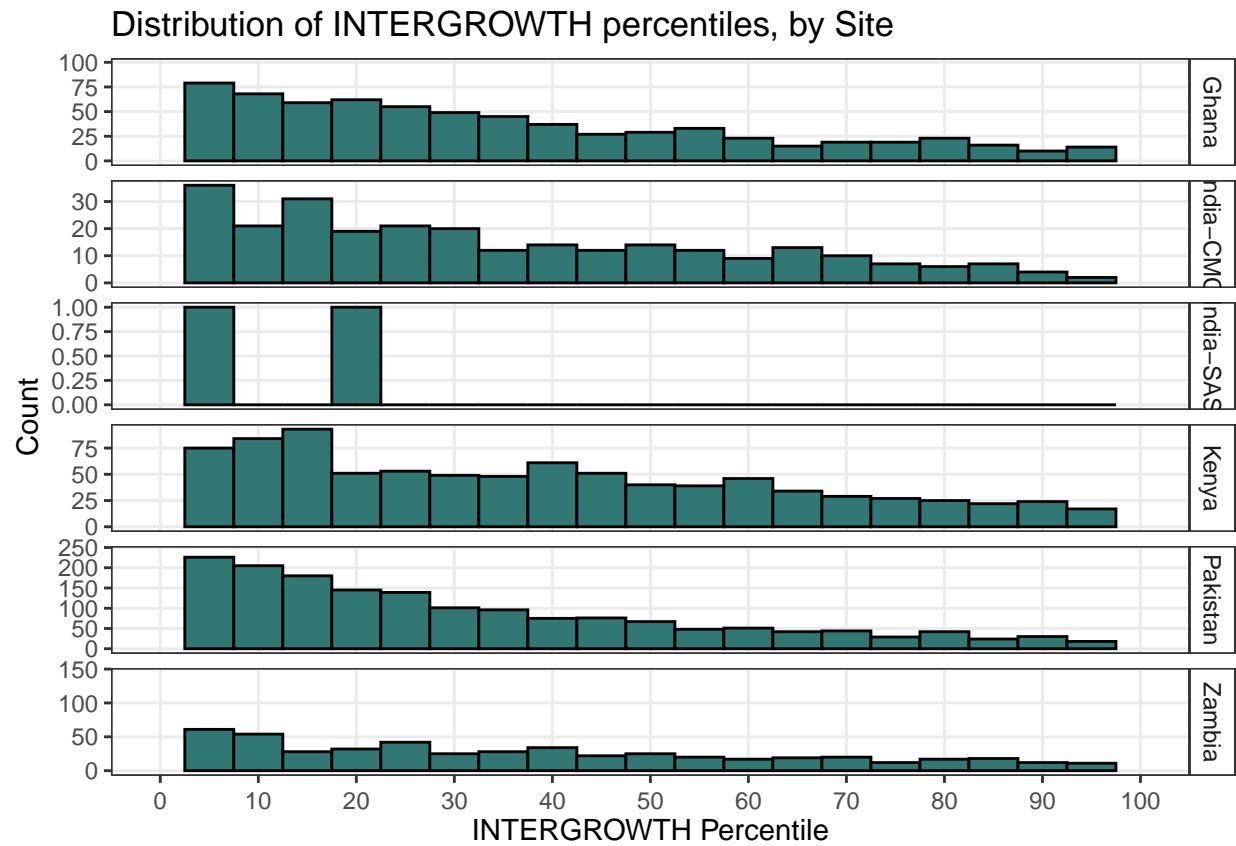
- Participant is missing a reported GA by Ultrasound AND GA by LMP in MNH01.
- Participant is missing an enrollment ultrasound visit (TYPE_VISIT=1).
- PRISMA-measured AND Facility-reported birthweights are missing from MNH11.
- MNH11 forms missing for infants (i.e. infantid present in MNH09, but is missing an MNH11 form).
- Gestational age at birth less than 33 weeks or over 42 weeks.
- INFANTID in MNH09 (INFANTID_INF1-4) that can be linked to MNH11 (INFANTID).

Table 4. Size for gestational age at birth

Table 4						
	Ghana	India-CMC	India-SAS	Kenya	Pakistan	Zambia
Size for Gestational Age (Categorical) ^a , n (%)						
Denominator	787	297	2	946	1883	646
SGA <3rd percentile	99 (13)	25 (8.4)	0 (0)	75 (7.9)	241 (13)	144 (22)
SGA 3rd to <10th percentile	107 (14)	45 (15)	1 (50)	103 (11)	313 (17)	86 (13)
AGA 10th to <90th percentile	556 (71)	222 (75)	1 (50)	736 (78)	1295 (69)	392 (61)
LGA >= 90th percentile	25 (3.2)	5 (1.7)	0 (0)	32 (3.4)	34 (1.8)	24 (3.7)

^c Denominator is all live births reported in MNH09.

Figure 4. Distribution of INTERGROWTH percentiles across sites.



5. Mortality

Definition: Death of a liveborn baby. Further stratified as neonatal mortality (death of a liveborn baby in the first 28 days of life) and infant mortality (death of a liveborn baby in the first 365 days of life).

Denominator: All live births with MNH09 and MNH11 filled out AND have passed the risk period with a visit OR died within the risk period.

To be included as “non-Missing” for this outcome, a participant must have:

1. Valid date of birth (varname: DELIV_DSSTDAT_INF1-4 [MNH09]).
2. Birth outcome reported as “live birth” (varname: BIRTH_DSTERM [MNH09])

Table 5. Mortality

Table 5						
	Ghana	India-CMC	India-SAS	Kenya	Pakistan	Zambia
Data Completeness ^a						
Denominator	863	309	2	957	2177	694
Missing MNH09 (but has MNH11 or MNH24)	12 (1.3)	0 (0)	1 (12)	2 (0.2)	15 (0.67)	0 (0)
Missing MNH11 (but has MNH09 or MNH24)	31 (3.5)	0 (0)	1 (12)	3 (0.3)	15 (0.67)	1 (0.14)
Timing of Neonatal Mortality ^b						
Denominator	771	248	0	849	2014	0
Death <24 hrs of life	0 (0)	0 (0)	0 (0)	6 (0.71)	17 (0.84)	0 (0)
Death 24 hrs to <7 days of life	0 (0)	0 (0)	0 (0)	1 (0.12)	40 (2)	0 (0)
Death 7 days to <28 days of life	0 (0)	0 (0)	0 (0)	0 (0)	15 (0.74)	0 (0)
Death reported but missing time of death	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Total neonatal deaths	0 (0)	0 (0)	0 (0)	7 (0.82)	74 (3.7)	0 (0)
Timing of Infant Mortality ^c						
Denominator	0	0	0	35	252	0
Death <365 days of life	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Death reported but missing time of death	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Total infant deaths	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

^a Denominator is all live births.

^b Denominator is all live births with MNH09 and MNH11 filled out AND have passed the risk period with a visit OR died within the risk period (risk period: age = 28days).

^c Denominator is all live births with MNH09 and MNH11 filled out AND have passed the risk period (risk period: age = 365days).

6. Stillbirth

Definition: Death prior to delivery of a fetus at ≥ 20 weeks of gestation, excluding induced abortions.

Denominator: All infants with a birth outcome reported in MNH04 (PRG_DSDECOD) or MNH09 (BIRTH_DSTERM).

To be included as “non-Missing” for this outcome, a participant must have:

1. Valid date of birth OR valid fetal loss date (varname: FETAL_LOSS_DSSTDAT [MNH04] OR DELIV_DSSTDAT_INF1-4 [MNH09]).
2. Birth outcome reported in MNH04 or MNH11 (varname: PRG_DSDECOD [MNH04] OR BIRTH_DSTERM [MNH09])
3. Reported gestational age by either LMP or Ultrasound (varnames [form]: US_GA_WKS_AGE_FTS1-4 [MNH01], US_GA_DAYS_AGE_FTS1-4 [MNH01], GA_LMP_WEEKS_SCORRES [MNH01]).

Table 6. Stillbirth

Table 6						
	Ghana	India-CMC	India-SAS	Kenya	Pakistan	Zambia
Data completeness ^{a b}						
Denominator	884	319	7	991	2235	720
Fetal loss or fetal death reported but missing signs of life (NA or 77 reported) ^{a b}	5 (24)	7 (70)	2 (40)	31 (86)	1 (1.7)	0 (0)
Stillbirth (categorical) ^c						
Denominator	882	319	7	991	2235	719
Early stillbirth (20-27wks)	8 (0.91)	9 (2.8)	2 (29)	20 (2)	7 (0.31)	11 (1.5)
Late stillbirth (28-36wks)	5 (0.57)	1 (0.31)	3 (43)	11 (1.1)	32 (1.4)	9 (1.2)
Term stillbirth (>=37wks)	8 (0.91)	0 (0)	0 (0)	5 (0.5)	19 (0.85)	6 (0.83)
Total stillbirths reported	21 (2.4)	10 (3.1)	5 (71)	36 (3.6)	58 (2.6)	26 (3.6)
Timing of stillbirth ^d						
Denominator	21	10	5	36	58	26
Antepartum	16 (76)	3 (30)	3 (60)	31 (86)	58 (100)	17 (65)
Intrapartum	0 (0)	0 (0)	0 (0)	2 (5.6)	0 (0)	2 (7.7)
Don't Know	5 (24)	7 (70)	2 (40)	3 (8.3)	0 (0)	7 (27)

^a Denominator is all participants with a birth outcome reported in MNH09.

^b Valid signs of life reported in MNH09 and MNH11 (varname: `CRY_CEOCCUR_INF1-4 [MNH09]`, `FHR_VSTAT_INF1-4 [MNH09]`, `MACER_CEOCCUR_INF1-4 [MNH09]`, `CORD_PULS_CEOCCUR_INF1-4 [MNH09]`, `BREATH_FAIL_CEOCCUR [MNH11]`).

^c Denominator is all participants with a birth outcome (`BIRTH_DSTERM=1 or 0 [MNH09]` OR `PRG_DSDECOD=2 or 3 [MNH04]`).

^d Denominator is all reported stillbirths.

7. Fetal death

Definition: Death prior to delivery of a fetus at any gestational age.

Denominator: All infants with a fetal loss reported in MNH04 (PRG_DSDECOD) or birth outcome in MNH09 (BIRTH_DSTERM_INF1).

To be included as “non-Missing” for this outcome, a participant must have:

- Valid date of birth OR valid fetal loss date (varname: FETAL_LOSS_DSSTDAT [MNH04] OR DELIV_DSSTDAT_INF1-4 [MNH09]).

Table 7. Fetal death

Table 7						
	Ghana	India-CMC	India-SAS	Kenya	Pakistan	Zambia
Fetal death ^a						
Denominator	888	323	11	1009	2260	722
Stillbirth (fetal loss >=20wks)	21 (2.4)	10 (3.1)	5 (45)	36 (3.6)	58 (2.6)	26 (3.6)
Spontaneous abortion (fetal loss <20wks)	1 (0.11)	6 (1.9)	4 (36)	17 (1.7)	25 (1.1)	0 (0)
Fetal death at unknown GA	1 (0.11)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Total fetal deaths	23 (2.6)	16 (5)	9 (82)	53 (5.2)	83 (3.7)	26 (3.6)
Other fetal death ^b						
Denominator	888	326	11	1009	2260	722
Induced abortion ^c	0 (0)	3 (0.92)	0 (0)	0 (0)	0 (0)	0 (0)

^a Denominator is n total births excluding induced abortions

^b Denominator is n total births.

^c Induced abortion defined as an elective surgical procedure or medical intervention to terminate the pregnancy at any gestational age).

8. Perinatal birth asphyxia

Definition: Clinician reports failure to breathe spontaneously in the first minute after delivery or breathing assistance was required.

Denominator: All liveborn infants with a MNH11 form filled out.

To be included as “non-Missing” for this outcome, a participant must have:

1. Valid birth complications reported in MNH11 or MNH20 (varname: INF_PROCCUR_1–6 [MNH11])
2. Valid birth complications reported in MNH20, if applicable (varname: BIRTH_COMPL_MHTERM_3 [MNH20])

Table 8. Perinatal birth asphyxia

Table 8						
	Ghana	India-CMC	India-SAS	Kenya	Pakistan	Zambia
Data completeness ^a						
Denominator	863	309	2	957	2177	693
Invalid birth complications in MNH11 (NA or 77 reported) ^a	1 (0.12)	0 (0)	0 (0)	0 (0)	4 (0.18)	1 (0.14)
Indicators of birth asphyxia ^a						
Denominator	863	309	2	957	2177	693
Failed to initiate and sustain breathing at birth	41 (4.8)	22 (7.1)	0 (0)	58 (6.1)	221 (10)	11 (1.6)
Bag and mask ventilation	18 (2.1)	6 (1.9)	0 (0)	14 (1.5)	16 (0.73)	1 (0.14)
Continuous positive airway pressure	8 (0.93)	3 (0.97)	0 (0)	2 (0.21)	11 (0.5)	35 (5)
Repeated stimulation/suction	62 (7.2)	3 (0.97)	0 (0)	11 (1.1)	2 (0.09)	16 (2.3)
Intubation and mechanical ventilation	12 (1.4)	1 (0.32)	0 (0)	0 (0)	15 (0.69)	3 (0.43)
Chest compressions	22 (2.5)	1 (0.32)	0 (0)	2 (0.21)	4 (0.18)	1 (0.14)
Perinatal birth asphyxia ^a						
Denominator	863	309	2	957	2177	693
Birth asphyxia ^b	106 (12)	26 (8.4)	0 (0)	59 (6.2)	222 (10)	51 (7.3)

^a Denominator is total liveborn infants with a MNH11 form filled out.

^b Defined as required any breathing assistance at birth.

9. Hyperbilirubinemia

Definition: Defined as the presence of excess bilirubin during the first week of life (delivery to 7 days of age).

Denominator: All infants with a measurement taken within the testing window.

Table 9. Hyperbilirubinemia

Table 9a						
	Ghana	India-CMC	India-SAS	Kenya	Pakistan	Zambia
Hyperbilirubinemia by TCB (>15mg/dL)						
Hyperbilirubinemia <24 hrs of life	3 (0.51)	1 (0.44)	0 (0)	10 (1.2)	2 (0.24)	0 (0)
Hyperbilirubinemia 24 hrs to <5 days of life	57 (11)	45 (19)	2 (67)	111 (14)	99 (5.8)	0 (0)
Hyperbilirubinemia 5 days to <14 days of life	17 (2.9)	3 (1.6)	0 (0)	34 (4.1)	48 (2.6)	0 (0)
Total hyperbilirubinemia by TCB >15mg/dL	77 (9.6)	49 (17)	2 (29)	155 (16)	149 (7)	0 (0)
Hyperbilirubinemia by TCB (AAP threshold) ^a						
Hyperbilirubinemia <24 hrs of life	1 (0.17)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Hyperbilirubinemia 24 hrs to <5 days of life	22 (4.3)	25 (11)	0 (0)	31 (4)	51 (3)	0 (0)
Hyperbilirubinemia 5 days to <14 days of life	4 (0.69)	0 (0)	1 (25)	10 (1.2)	14 (0.76)	0 (0)
Total hyperbilirubinemia by AAP threshold	27 (3.4)	25 (8.8)	1 (14)	41 (4.2)	65 (3.1)	0 (0)
Jaundice (IMCI criteria)						
Non-severe jaundice identified at any time	36 (4.4)	26 (9.6)	1 (50)	91 (9.8)	534 (26)	6 (0.95)
Severe jaundice identified <24 hrs of life	3 (0.37)	0 (0)	0 (0)	5 (0.54)	5 (0.24)	1 (0.16)
Severe jaundice identified ≥24 hrs of life	22 (2.7)	18 (6.6)	0 (0)	18 (1.9)	300 (15)	1 (0.16)
Any jaundice identified at any time	54 (6.6)	43 (16)	1 (50)	107 (11)	794 (38)	8 (1.3)

^a AAP threshold determined by the following inputs: phototherapy thresholds with no hyperbilirubinemia neurotoxicity risk factor, gestational age at delivery, and infant age at time of assessment (days and hours).

10. PSBI

Definition: Presence of any clinical signs or symptoms as defined by the WHO IMCI criteria, which are consistent with possible severe bacterial infection from delivery to 59 days.

Denominator: All livebirths aged 0-59 days.

Table 10. PSBI

Table 10						
	Ghana	India-CMC	India-SAS	Kenya	Pakistan	Zambia
Data Completeness: missing confirmatory respiratory rate measurement ^a						
IPC	12 (16)	1 (2.2)	0 (0)	5 (7.1)	1 (0.38)	2 (1.2)
PNC0	0 (0)	1 (2.4)	0 (0)	0 (0)	0 (0)	7 (26)
PNC1	0 (0)	2 (9.5)	0 (0)	0 (0)	0 (0)	8 (38)
PNC4	0 (0)	4 (33)	0 (0)	1 (6.7)	0 (0)	2 (40)
PNC6	0 (0)	0 (0)	0 (0)	1 (5.6)	0 (0)	3 (38)
Unscheduled visit	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Hospitalization visit	0 (0)	1 (7.1)	0 (0)	2 (12)	4 (15)	0 (0)
Data Completeness: missing confirmatory temperature measurement ^b						
IPC	6 (8.1)	2 (4.3)	0 (0)	10 (14)	0 (0)	5 (3.1)
PNC0	0 (0)	3 (0)	0 (0)	16 (9.4)	123 (0)	25 (44)
PNC1	0 (0)	2 (0)	0 (0)	7 (17)	160 (0)	16 (14)
PNC4	0 (0)	0 (0)	0 (0)	6 (20)	124 (0)	5 (0)
PNC6	0 (0)	0 (0)	0 (0)	6 (11)	67 (0)	8 (0)
Unscheduled visit	0 (0)	0 (0)	0 (0)	1 (50)	5 (0)	0 (0)
Hospitalization visit	0 (0)	13 (7.1)	0 (0)	14 (25)	12 (19)	0 (0)
^a Missing confirmatory respiratory rate measurements among those with a RR >=60 breaths per minute. Denominator is n total psbi case at the specified visit. ^b Missing confirmatory temperature among those with a temperature reading >=38C or <35.5C. Denominator is n total psbi case at the specified visit.						

Table 10 continued

	Ghana	India-CMC	India-SAS	Kenya	Pakistan	Zambia
PSBI by visit ^c						
Denominator	863	309	2	957	2177	693
IPC (target window: delivery to 72 hours)	74 (8.6)	46 (15)	0 (0)	70 (7.3)	260 (12)	162 (23)
Difficulty in feeding	4	15	0	20	20	0
Convulsions	2	0	0	1	13	0
Fast breathing (RR>=60)	37	13	0	15	103	2
Severe chest in-drawing	6	5	0	14	9	162
Fever (>=38C)	15	1	0	32	33	1
Low body temperature (<35.5C)	19	19	0	5	110	4
PNC0 (target window: 3 to 5 days)	835 (97)	41 (13)	0 (0)	53 (5.5)	158 (7.3)	27 (3.9)
Difficulty in feeding	4	6	0	5	2	1
Convulsions	1	0	0	1	2	1
Fast breathing (RR>=60)	835	8	0	10	67	8
Severe chest in-drawing	2	2	0	6	0	0
Fever (>=38C)	835	2	0	37	34	14
Low body temperature (<35.5C)	0	26	0	7	64	6
PNC1 (target window: 7 to 14 days)	788 (91)	21 (6.8)	0 (0)	23 (2.4)	189 (8.7)	21 (3)
Difficulty in feeding	1	7	0	3	2	0
Convulsions	1	1	0	0	1	0
Fast breathing (RR>=60)	788	3	0	5	47	9
Severe chest in-drawing	1	0	0	1	0	3
Fever (>=38C)	788	3	0	17	29	5
Low body temperature (<35.5C)	0	11	0	2	115	7

^c Denominator is all livebirths aged 0-59 days.

Table 10 continued

	Ghana	India-CMC	India-SAS	Kenya	Pakistan	Zambia
PSBI by visit ^c						
PNC4 (target window: 28 to 35 days)	743 (86)	12 (3.9)	0 (0)	15 (1.6)	137 (6.3)	5 (0.72)
Difficulty in feeding	1	2	0	0	0	0
Convulsions	4	1	0	0	0	0
Fast breathing (RR>=60)	743	8	0	4	30	2
Severe chest in-drawing	1	1	0	0	3	0
Fever (>=38C)	743	0	0	9	13	0
Low body temperature (<35.5C)	0	3	0	5	94	3
PNC6 (target window: 6 to 12 weeks)	241 (28)	5 (1.6)	0 (0)	18 (1.9)	79 (3.6)	8 (1.1)
Difficulty in feeding	1	0	0	1	0	0
Convulsions	0	0	0	0	0	0
Fast breathing (RR>=60)	241	0	0	5	36	3
Severe chest in-drawing	1	0	0	0	5	0
Fever (>=38C)	241	1	0	12	12	0
Low body temperature (<35.5C)	0	4	0	4	30	5

^c Denominator is all livebirths aged 0-59 days.

Table 10 continued

	Ghana	India-CMC	India-SAS	Kenya	Pakistan	Zambia
PSBI by visit ^c						
Unscheduled	0 (0)	0 (0)	0 (0)	2 (0.21)	5 (0.23)	0 (0)
Difficulty in feeding	0	0	0	0	0	0
Convulsions	0	0	0	0	0	0
Fast breathing (RR>=60)	0	0	0	0	0	0
Severe chest in-drawing	0	0	0	0	0	0
Fever (>=38C)	0	0	0	2	0	0
Low body temperature (<35.5C)	0	0	0	0	5	0
Hospitalization	0 (0)	14 (4.5)	0 (0)	16 (1.7)	26 (1.2)	25 (3.6)
Difficulty in feeding	0	4	0	11	10	16
Convulsions	0	2	0	2	3	5
Fast breathing (RR>=60)	0	9	0	6	4	0
Severe chest in-drawing	0	0	0	5	8	9
Fever (>=38C)	0	1	0	4	5	0
Low body temperature (<35.5C)	0	1	0	1	0	0

^c Denominator is all livebirths aged 0-59 days.