

Mapped newborn data
availability in routine Health
Information Systems

EN-MINI mapping tool results: Bangladesh



April 2023



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Abbreviations

AMTSL	active management of third stage of labor
ANC	antenatal care
CSBA	community-based skilled birth attendant
CHCP	community health care project
DGFP	Directorate General of Family Planning
DGHS	Directorate General of Health Services
DHIS2	District Health Information System 2
EmONC	emergency obstetric and neonatal care
IMCI	integrated management of childhood illness
KMC	kangaroo mother care
LB	live birth
LBW	low birth weight
NSU	Newborn Special Unit
NVD/CS	normal vaginal delivery/Cesarean section
PSBI	possible serious bacterial infection
PNC	postnatal care
RHIS	routine health information systems
SCANU	Special Care Newborn Unit
VSD-CSI	very severe disease-clinical severe infection
WHO	World Health Organization

Section 1. Summary of RHIS newborn data mapping completed

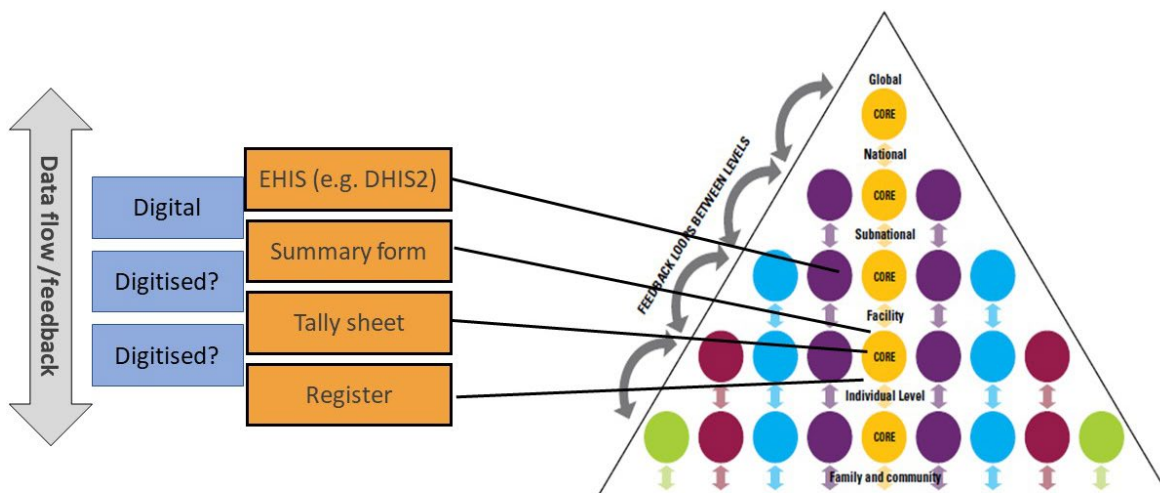
Background

Section one of this report provides an overview of the newborn data available in routine health information systems (RHIS) and sources mapped.

Newborn data are the indicators and data elements (indicators, numerators, and denominators) categorized into types: (a) newborn-specific data, related directly (physically) to the newborn; (b) newborn-related data, connected to the newborn through the mother/family; and (c) other non-newborn data, not related to the newborn.

Mapped data are summarized by the flow through the data pyramid levels (see Figure 1): Register, Tally sheet, Summary form, and Electronic Health Information System (e.g., District Health Information System 2, DHIS2). Any of these levels may be currently digitized.

Figure 1. Data flow example



Results

RHIS data levels: **3** (Register, Summary Form, Electronic Health Information System [e.g., DHIS2])

Total data elements or indicators mapped: **1844**

RHIS data sources: **25**

The documents included in this report are:

Registers:

- Emergency obstetric and neonatal care (EmONC), Directorate General of Health Services (DGHS)
- Antenatal care (ANC), DGHS
- Postnatal care (PNC), DGHS

- Kangaroo mother care (KMC), DGHS
- Integrated management of childhood illness (IMCI) for 0–59 days, DGHS
- IMCI (2–59 Months), DGHS
- Special Care Newborn Unit (SCANU), DGHS
- Maternal Health and Family Planning Service Register, Directorate General of Family Planning (DGFP)
- Mother and Newborn Care Register, DGFP
- Newborn and Child Health Service Register (নেবজাতক ও শিশু স্বাস্থ্য সেবা রেজিস্টার), DGFP
- Delivery Register, DGFP
- Child Care Register, DGFP
- PNC Register, DGFP

Summary forms:

- Monthly EmONC dataset with genital fistula
- Form-2 Community clinic monthly child report
- Form-3 Community clinic monthly mothers’ health report
- KMC dataset
- Monthly SCANU/Newborn Special Unit (NSU) dataset
- Monthly IMCI dataset
- MIS Form 3, Electronic Health Information System (e.g., DHIS2)

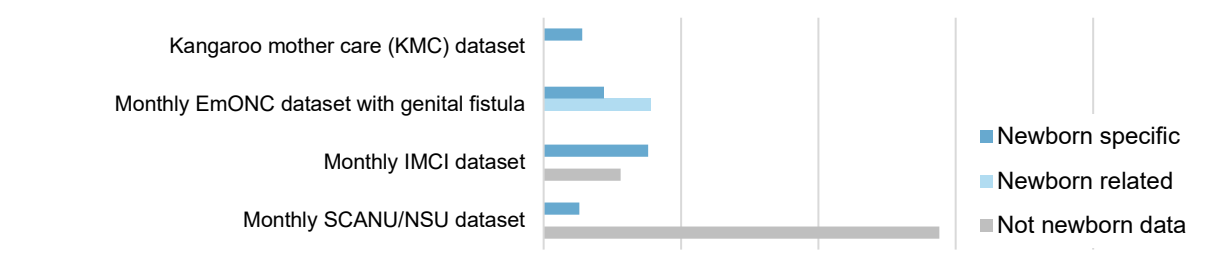
Electronic Health Information System (DHIS2)

- Monthly IMCI dataset
- Monthly EmONC dataset with genital fistula
- Kangaroo mother care (KMC) dataset
- Monthly SCANU/NSU dataset

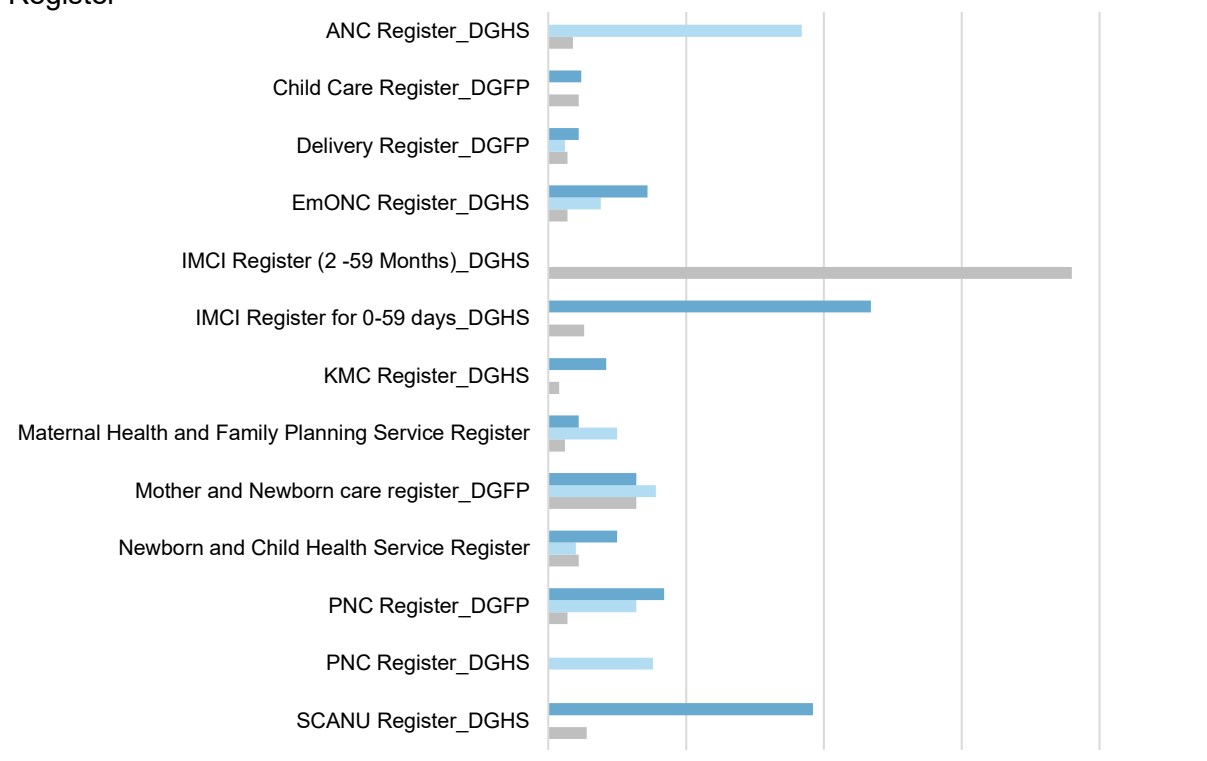
Types of indicators and data elements: mapped newborn specific, newborn related, and other non-newborn are shown in Figure 2.

Figure 2. Overview of number of types of newborn indicators and data elements available at levels of the RHIS

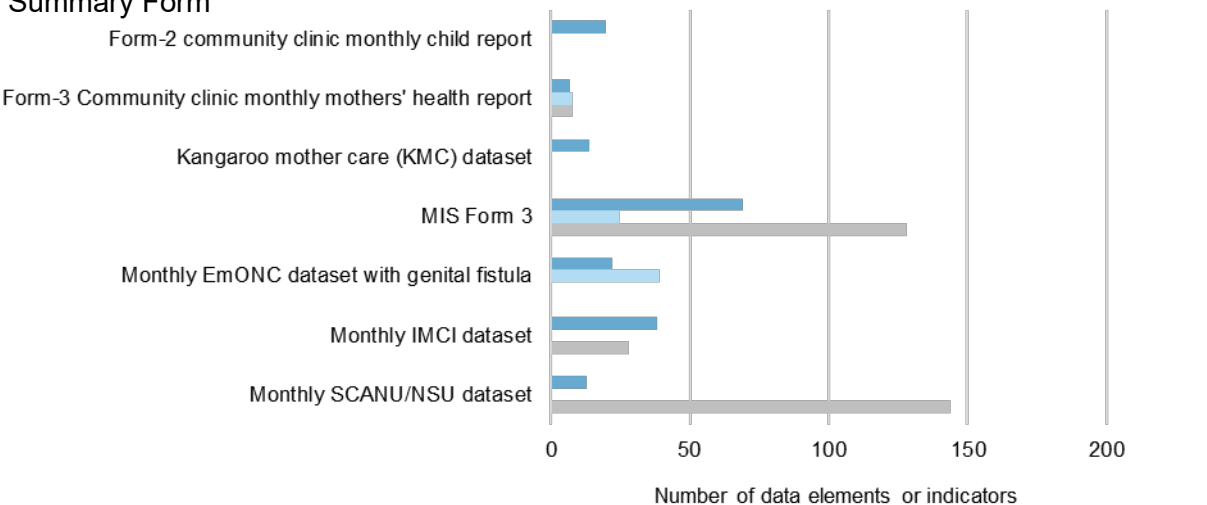
Electronic Health Information System (e.g. DHIS2)



Register



Summary Form



Number of data elements or indicators

Section 2. Electronic RHIS newborn indicator and data element availability

Background

Section two of this report summarizes newborn data for indicator measurement in the Electronic RHIS, if this data level was mapped. This section uses each World Health Organization (WHO)- or nationally recommended core/optional newborn indicator and presents data availability and fidelity to standardized definitions.

The standard indicators and definitions are selected from the Mother and Newborn Information for Tracking Outcomes and Results (MoNITOR) online indicator Toolkit (version titled: “indicator_database_13Nov2020.xlsx”) which can be found here <https://monitor.srhr.org/>. If country-specific changes were made to the Mapping Excel Tool “definitions” page, the updated indicators will be shown here. Definitions are shown in Appendix 1.

This section highlights opportunities to close the gap for data to track newborn health using standardized definitions.

Results

Table 1 shows the mapping results for current availability of key newborn indicators in the Electronic RHIS (e.g., DHIS2). Where numerator and denominator are available, but full indicator shows in Table 1 “not available” this means the indicator currently needs to be calculated manually.

Table 1. Indicators in the Electronic RHIS

Indicator name	Type	Numerator	Denominator	Full indicator
Institutional maternal mortality ratio (per 100,000 deliveries)	Impact	All definitions exact	All definitions exact	All definitions exact
Stillbirth rate in a health facility	Impact	All definitions exact	All definitions exact	All definitions exact
Pre-discharge neonatal mortality rate	Impact	All definitions exact	All definitions exact	All definitions exact
Low birth weight (LBW) among livebirths (%)	Impact	At least one exact definition	All definitions exact	Not available
Preterm birth (facility based)	Impact	At least one exact definition	All definitions exact	Not available
Caesarean section rate	Outcome	All definitions exact	All definitions exact	All definitions exact
Postnatal care for women (Facility-based)	Outcome	All definitions exact	All definitions exact	All definitions exact
Postnatal care for newborns (Facility-based)	Outcome	All definitions exact	All definitions exact	All definitions exact
Newborns breastfed within one hour of birth	Outcome	All definitions exact	All definitions exact	All definitions exact

Indicator name	Type	Numerator	Denominator	Full indicator
Newborn resuscitation with bag and mask	Outcome	All definitions exact	All definitions exact	All definitions exact
Premature (LBW) babies initiating KMC	Outcome	No exact definition	Not available	Not available
Newborns treated for neonatal sepsis/infection	Outcome	Not available	All definitions exact	Not available
Newborns treated for neonatal sepsis/infection (adapted)	Outcome	All definitions exact	All definitions exact	Not available
Antenatal corticosteroid use	Outcome	All definitions exact	All definitions exact	Not available
Newborns with documented birthweight	Outcome	Not available	All definitions exact	Not available
Uterotonic for prevention of post-partum hemorrhage	Outcome	No exact definition	All definitions exact	Not available
Chlorhexidine cord cleansing	Outcome	All definitions exact	All definitions exact	All definitions exact

Section 3. All levels RHIS: Newborn indicators and data element availability with WHO- or nationally recommended definitions

Background

Section three of this report summarizes newborn data for indicator measurement at all levels of the RHIS that have been mapped. This section shows all occurrences in RHIS where definitions match standardized WHO- or nationally recommended core/optional newborn indicators.

This section can be used to identify which sources capture data to calculate the indicator. Consider whether indicator numerators and denominators are available from the same source.

Results

Table 2 shows a summary of numerators, denominators, and full indicators which meet the exact WHO- or nationally recommended definition.

Table 2. Sources of WHO- or nationally recommended definitions for numerators, denominators, and indicators

Indicator	Data level	Document source	Indicator/element/register column name	Numerator	Denominator	Full indicator
Preterm birth (facility based)	Register	EmONC Register_DGHS	Gestational Age (In Weeks)	Available	Not available	Not available
Antenatal corticosteroid (ACS) use	Register	EmONC Register_DGHS	ACS Given (Between 24–34 Weeks) (Yes/No) (Give Tick (✓) Mark)	Available	Not available	Not available
Caesarean section rate	Register	EmONC Register_DGHS	Type of Delivery: Caesarean	Available	Available	Not available
Stillbirth rate in a health facility	Register	EmONC Register_DGHS	Delivery Related: Still Birth: Fresh	Available	Available	Not available
Stillbirth rate in a health facility	Register	EmONC Register_DGHS	Delivery Related: Still Birth: Macerated	Available	Available	Not available
Newborns with documented birthweight	Register	EmONC Register_DGHS	Delivery Related: Weight at Birth (In Gram)	Available	Not available	Not available
Low birth weight among livebirths (%)	Register	EmONC Register_DGHS	Delivery Related: Weight at Birth (In Gram)	Available	Not available	Not available
Newborn resuscitation with bag and mask	Register	EmONC Register_DGHS	Essential Newborn Care: Newborn didn't Cry/Breathe Immediately after Birth without Drying/ Stimulation (Yes/No)	Available	Not available	Not available

Indicator	Data level	Document source	Indicator/element/ register column name	Numerator	Denominator	Full indicator
Newborn resuscitation with bag and mask	Register	EmONC Register_DGHS	Essential Newborn Care: Newborn was Resuscitated (Yes/No) Stimulation	Available	Not available	Not available
Newborn resuscitation with bag and mask	Register	EmONC Register_DGHS	Essential Newborn Care: Newborn was Resuscitated (Yes/No) Use of Bag & Mask	Available	Not available	Not available
Chlorhexidine cord cleansing	Register	EmONC Register_DGHS	Essential Newborn Care: 7.1% Chlorohexidine used on the Umbilical Cord	Available	Not available	Not available
Newborns breastfed within one hour of birth	Register	EmONC Register_DGHS	Essential Newborn Care: Newborn was Breastfed within 1 Hour of Birth	Available	Not available	Not available
Postnatal care for newborns (Facility-based)	Register	EmONC Register_DGHS	Postnatal Care of the Newborn: PNC-1	Available	Not available	Not available
Postnatal care for newborns (Facility-based)	Register	EmONC Register_DGHS	Postnatal Care of the Newborn: PNC-2	Available	Not available	Not available
Pre-discharge neonatal mortality rate	Register	EmONC Register_DGHS	Time, Date & Cause of Death if the Newborn Died	Available	Not available	Not available
Postnatal care for women (Facility-based)	Register	EmONC Register_DGHS	PNC & Condition of Mother: PNC-1	Available	Not available	Not available
Postnatal care for women (Facility-based)	Register	EmONC Register_DGHS	PNC & Condition of Mother: PNC-2	Available	Not available	Not available
Institutional maternal mortality ratio (per 100,000 deliveries)	Register	EmONC Register_DGHS	Time, Date & Cause of Maternal Death	Available	Not available	Not available
Postnatal care for women (Facility-based)	Register	PNC Register_DGHS	PNC: Mother: Current Number of PNC 1st	Available	Not available	Not available
Postnatal care for women (Facility-based)	Register	PNC Register_DGHS	PNC: Mother: Current Number of PNC 2nd	Available	Not available	Not available
Postnatal care for women (Facility-based)	Register	PNC Register_DGHS	PNC: Mother: Current Number of PNC 3rd	Available	Not available	Not available

Indicator	Data level	Document source	Indicator/element/ register column name	Numerator	Denominator	Full indicator
Postnatal care for women (Facility-based)	Register	PNC Register_DGHS	PNC: Mother: Current Number of PNC 4th	Available	Not available	Not available
Postnatal care for women (Facility-based)	Register	PNC Register_DGHS	PNC: Mother: Current Number of PNC More than 4	Available	Not available	Not available
Newborns with documented birthweight	Register	KMC Register_DGHS	General Information: Weight at Birth of the Baby (In Gram)	Available	Not available	Not available
Low birth weight among livebirths (%)	Register	KMC Register_DGHS	General Information: Weight at Birth of the Baby (In Gram)	Available	Not available	Not available
Pre-discharge neonatal mortality rate	Register	KMC Register_DGHS	Information about Result of KMC: Result of KMC (Discharge/ Refer/ Discharge on Request/ KMC Discontinuation/ Death)	Available	Not available	Not available
Newborns treated for neonatal sepsis/infection (adapted)	Register	IMCI Register for 0–59 days_DGHS	Treatment: If Referral: 1st dose given and refer Inj. Gentamicin; Dose:	Available	Not available	Not available
Newborns treated for neonatal sepsis/infection (adapted)	Register	IMCI Register for 0–59 days_DGHS	Treatment: If Not Referral: Inj. Gentamicin: Once a day for 2 days; Dose:	Available	Not available	Not available
Pre-discharge neonatal mortality rate	Register	SCANU Register_DGHS	Outcome of the treatment: Death	Available	Not available	Not available
Antenatal corticosteroid use	Summary Form	Monthly EmONC dataset with genital fistula	No. of women given birth between 24–34 completed gestational week received at least one dose of antenatal corticosteroid	Available	Not available	Not available
Caesarean section rate	Summary Form	Monthly EmONC dataset with genital fistula	No. of cesarean deliveries	Available	Not available	Not available
Stillbirth rate in a health facility	Summary Form	Monthly EmONC dataset with genital fistula	No. of fresh still births	Available	Not available	Not available
Stillbirth rate in a health facility	Summary Form	Monthly EmONC dataset with genital fistula	No. of macerated still births	Available	Not available	Not available

Indicator	Data level	Document source	Indicator/element/ register column name	Numerator	Denominator	Full indicator
Low birth weight among livebirths (%)	Summary Form	Monthly EmONC dataset with genital fistula	Total No. of low-birth-weight babies (all babies less than 2500 gm of weight)	Available	Not available	Not available
Newborn resuscitation with bag and mask	Summary Form	Monthly EmONC dataset with genital fistula	No. of newborn resuscitated with stimulation only (without bag-mask ventilation) after drying	Available	Not available	Not available
Newborn resuscitation with bag and mask	Summary Form	Monthly EmONC dataset with genital fistula	No. of newborn resuscitated with bag-mask ventilation (after stimulation) after drying	Available	Not available	Not available
Chlorhexidine cord cleansing	Summary Form	Monthly EmONC dataset with genital fistula	No. of newborn received 7.1% Chlorhexidine in the umbilical cord	Available	Not available	Not available
Newborns breastfed within one hour of birth	Summary Form	Monthly EmONC dataset with genital fistula	No. of newborn initiated breastfeeding within 1 hour after birth	Available	Not available	Not available
Postnatal care for newborns (Facility-based)	Summary Form	Monthly EmONC dataset with genital fistula	No. of newborn received PNC 1 services at facility	Available	Not available	Not available
Postnatal care for newborns (Facility-based)	Summary Form	Monthly EmONC dataset with genital fistula	No. of newborn received PNC 2 services at facility	Available	Not available	Not available
Pre-discharge neonatal mortality rate	Summary Form	Monthly EmONC dataset with genital fistula	No. of neonatal death reviewed হাসপাতালে নবজাতকের মৃত্যু হলে সংশ্লিষ্ট নার্স এই ফর্ম পূরণ করবেন এবং একটি ফাইল সংরক্ষণ করবেন। তারপর নোটিফিকেশান স্লিপ এর মাধ্যমে কর্তৃপক্ষকে জানাতে হবে	Available	Not available	Not available
Postnatal care for women (Facility-based)	Summary Form	Monthly EmONC dataset with genital fistula	No. of mother received PNC 1 services at facility	Available	Not available	Not available
Postnatal care for women (Facility-based)	Summary Form	Monthly EmONC dataset with genital fistula	No. of mother received PNC 2 services at facility	Available	Not available	Not available
Institutional maternal mortality ratio (per 100,000 deliveries)	Summary Form	Monthly EmONC dataset with genital fistula	No. of maternal death reviewed	Available	Not available	Not available

Indicator	Data level	Document source	Indicator/element/ register column name	Numerator	Denominator	Full indicator
Uterotonic for prevention of post-partum haemorrhage	Register	Maternal Health and Family Planning Service Register	Misoprostol/ Oxytocin used	Available	Not available	Not available
Newborns breastfed within one hour of birth	Register	Maternal Health and Family Planning Service Register	Initiation of breast feeding within 1 hour of birth	Available	Not available	Not available
Newborns with documented birthweight	Register	Maternal Health and Family Planning Service Register	Birth weight	Available	Not available	Not available
Low birth weight among livebirths (%)	Register	Maternal Health and Family Planning Service Register	Birth weight	Available	Not available	Not available
Postnatal care for women (Facility-based)	Register	Maternal Health and Family Planning Service Register	PNC (1/2/3/3+)	Available	Not available	Not available
Postnatal care for newborns (Facility-based)	Register	Maternal Health and Family Planning Service Register	PNC within 48 hours	Available	Not available	Not available
Newborns breastfed within one hour of birth	Summary Form	Form-2 community clinic monthly child report	Nutrition: Only breastfeeding within 24 hours	Available	Not available	Not available
Stillbirth rate in a health facility	Summary Form	Form-3 Community clinic monthly mothers' health report	Prenatal services: No of Still birth (community clinic)	Available	Not available	Not available
Institutional maternal mortality ratio (per 100,000 deliveries)	Summary Form	Form-3 Community clinic monthly mothers' health report	Prenatal services: No of Maternal mortality number (community clinic)	Available	Not available	Not available
Postnatal care for women (Facility-based)	Summary Form	Form-3 Community clinic monthly mothers' health report	Postpartum services: No of Postpartum services taken	Available	Not available	Not available
Stillbirth rate in a health facility	Register	Mother and Newborn care register_DGFP	Service during delivery: Information related to delivery: Outcome of delivery: Dead (fresh/ Macerated)	Available	Available	Not available
Uterotonic for prevention of post-partum haemorrhage	Register	Mother and Newborn care register_DGFP	Service during delivery: Information related to delivery: If oxytocin not available were misoprostol given (Yes/No)	Available	Not available	Not available

Indicator	Data level	Document source	Indicator/element/ register column name	Numerator	Denominator	Full indicator
Newborns with documented birthweight	Register	Mother and Newborn care register_DGFP	Information related to the newborn: Weight (kg)	Available	Not available	Not available
Low birth weight among livebirths (%)	Register	Mother and Newborn care register_DGFP	Information related to the newborn: Weight (kg)	Available	Not available	Not available
Preterm birth (facility based)	Register	Mother and Newborn care register_DGFP	Information related to the newborn: Preterm birth (before 37 weeks) Yes/No	Available	Not available	Not available
Chlorhexidine cord cleansing	Register	Mother and Newborn care register_DGFP	Information related to the newborn: 7.1% chlorhexidine applied after cord clumping and cutting (yes/No)	Available	Not available	Not available
Newborns breastfed within one hour of birth	Register	Mother and Newborn care register_DGFP	Information related to the newborn: Breast feeding within one hour of birth (Yes/No)	Available	Not available	Not available
Newborn resuscitation with bag and mask	Register	Mother and Newborn care register_DGFP	Information related to the newborn: Usage of bag and mask	Available	Not available	Not available
Postnatal care for women (Facility-based)	Register	Mother and Newborn care register_DGFP	PNC care: Mother: Information related to this visit (1st visit, 2nd visit, 3rd visit, 4th visit): Date	Available	Not available	Not available
Postnatal care for newborns (Facility-based)	Register	Mother and Newborn care register_DGFP	PNC care: Newborn: Information related to this visit (1st visit, 2nd visit, 3rd visit, 4th visit): Date	Available	Not available	Not available
Pre-discharge neonatal mortality rate	Register	Mother and Newborn care register_DGFP	Neonatal mortality: Date	Available	Not available	Not available
Newborns breastfed within one hour of birth	Register	Newborn and Child Health Service Register (নবজাতক ও শিশু স্বাস্থ্য সেবা রেজিস্টার)	Essential Care for Newborn: Initiation of Breast Feeding within 1hr of Birth	Available	Not available	Not available
Chlorhexidine cord cleansing	Register	Newborn and Child Health Service Register (নবজাতক ও শিশু স্বাস্থ্য সেবা রেজিস্টার)	Essential Care for Newborn: Cord cleansing with 7.5% CHX	Available	Not available	Not available
Newborns with documented birthweight	Register	Newborn and Child Health Service Register (নবজাতক ও শিশু স্বাস্থ্য সেবা রেজিস্টার)	Child Nutrition: Birth Weight	Available	Not available	Not available

Indicator	Data level	Document source	Indicator/element/ register column name	Numerator	Denominator	Full indicator
Low birth weight among livebirths (%)	Register	Newborn and Child Health Service Register (নবজাতক ও শিশু স্বাস্থ্য সেবা রেজিস্টার)	Child Nutrition: Birth Weight	Available	Not available	Not available
Stillbirth rate in a health facility	Register	Delivery Register_DGFP	Newborn: Livebirth/ Stillbirth (Fresh/Macerated)	Available	Available	Not available
Low birth weight among livebirths (%)	Register	Delivery Register_DGFP	Newborn: Weight	Available	Not available	Not available
Newborns with documented birthweight	Register	Delivery Register_DGFP	Newborn: Weight	Available	Not available	Not available
Postnatal care for women (Facility-based)	Register	PNC Register_DGFP	PNC: Mother: Current Number of PNC 1st	Available	Not available	Not available
Postnatal care for women (Facility-based)	Register	PNC Register_DGFP	PNC: Mother: Current Number of PNC 2nd	Available	Not available	Not available
Postnatal care for women (Facility-based)	Register	PNC Register_DGFP	PNC: Mother: Current Number of PNC 3rd	Available	Not available	Not available
Postnatal care for women (Facility-based)	Register	PNC Register_DGFP	PNC: Mother: Current Number of PNC 4th	Available	Not available	Not available
Postnatal care for women (Facility-based)	Register	PNC Register_DGFP	PNC: Mother: Current Number of PNC More than 4	Available	Not available	Not available
Postnatal care for newborns (Facility-based)	Register	PNC Register_DGFP	PNC: Newborn: Current Number of PNC:1st	Available	Not available	Not available
Postnatal care for newborns (Facility-based)	Register	PNC Register_DGFP	PNC: Newborn: Current Number of PNC:2nd	Available	Not available	Not available
Postnatal care for newborns (Facility-based)	Register	PNC Register_DGFP	PNC: Newborn: Current Number of PNC: 3rd	Available	Not available	Not available
Postnatal care for newborns (Facility-based)	Register	PNC Register_DGFP	PNC: Newborn: Current Number of PNC: 4th	Available	Not available	Not available
Postnatal care for newborns (Facility-based)	Register	PNC Register_DGFP	PNC: Newborn: Current Number of PNC: More than 4	Available	Not available	Not available

Indicator	Data level	Document source	Indicator/element/ register column name	Numerator	Denominator	Full indicator
Pre-discharge neonatal mortality rate	Summary Form	Kangaroo mother care (KMC)dataset	No. of babies die during KMC	Available	Not available	Not available
Preterm birth (facility based)	Summary Form	Monthly SCANU/NSU dataset	# of pre-term (born before 37 weeks of gestation) cases	Available	Not available	Not available
Pre-discharge neonatal mortality rate	Summary Form	Monthly SCANU/NSU dataset	Total Death	Available	Not available	Not available
Newborns treated for neonatal sepsis/infection (adapted)	Summary Form	Monthly IMCI dataset	Possible serious bacterial infection (PSBI) or Very Severe Disease- Clinical Severe Infection (VSD-CSI)- 1st dose Gentamicin	Available	Not available	Not available
Newborns breastfed within one hour of birth	Summary Form	Monthly IMCI dataset	Early breast feeding within one hour (0–2 months)	Available	Not available	Not available
Antenatal corticosteroid use	Summary Form	MIS Form 3	Reproductive health care_ANC_antenatal corticosteroids 24–34 weeks of pregnancy (applicable for Maternal and Child Welfare Centers)	Available	Not available	Not available
Uterotonic for prevention of post-partum haemorrhage	Summary Form	MIS Form 3	Reproductive health care_ANC_misoprostol	Available	Not available	Not available
Caesarean section rate	Summary Form	MIS Form 3	Reproductive health care_Delivery Care_cesarean	Available	Available	Not available
Postnatal care for women (Facility-based)	Summary Form	MIS Form 3	Reproductive health care_PNC_mother_visit 1	Available	Not available	Not available
Postnatal care for women (Facility-based)	Summary Form	MIS Form 3	Reproductive health care_PNC_mother_visit 2	Available	Not available	Not available
Postnatal care for women (Facility-based)	Summary Form	MIS Form 3	Reproductive health care_PNC_mother_visit 3	Available	Not available	Not available
Postnatal care for women (Facility-based)	Summary Form	MIS Form 3	Reproductive health care_PNC_mother_visit 4	Available	Not available	Not available
Chlorhexidine cord cleansing	Summary Form	MIS Form 3	Reproductive health care_PNC_neonatal_7.1% Chlorhexidine used on the Umbilical Cord	Available	Not available	Not available

Indicator	Data level	Document source	Indicator/element/ register column name	Numerator	Denominator	Full indicator
Newborns breastfed within one hour of birth	Summary Form	MIS Form 3	Reproductive health care_PNC_neonatal_ Newborn was Breastfed within 1 Hour of Birth	Available	Not available	Not available
Newborn resuscitation with bag and mask	Summary Form	MIS Form 3	Reproductive health care_PNC_neonatal_ Use of Bag & Musk	Available	Not available	Not available
Postnatal care for newborns (Facility-based)	Summary Form	MIS Form 3	Reproductive health care_PNC_neonatal_ visit 1	Available	Not available	Not available
Postnatal care for newborns (Facility-based)	Summary Form	MIS Form 3	Reproductive health care_PNC_neonatal_ visit 2	Available	Not available	Not available
Postnatal care for newborns (Facility-based)	Summary Form	MIS Form 3	Reproductive health care_PNC_neonatal_ visit 3	Available	Not available	Not available
Postnatal care for newborns (Facility-based)	Summary Form	MIS Form 3	Reproductive health care_PNC_neonatal_ visit 4	Available	Not available	Not available
Pre-discharge neonatal mortality rate	Summary Form	MIS Form 3	Child care (0–59 months)_KMC_death	Available	Not available	Not available
Low birth weight among livebirths (%)	Summary Form	MIS Form 3	Birth-death_less than 2500	Available	Not available	Not available
Preterm birth (facility based)	Summary Form	MIS Form 3	Birth-death_immature (before 37 weeks)	Available	Not available	Not available
Stillbirth rate in a health facility	Summary Form	MIS Form 3	Birth-death_stillbirth_fresh	Available	Not available	Not available
Stillbirth rate in a health facility	Summary Form	MIS Form 3	Birth-death_stillbirth_macerated	Available	Not available	Not available
Stillbirth rate in a health facility	Summary Form	MIS Form 3	Birth-death_stillbirth_total stillbirth	Available	Not available	Not available
Pre-discharge neonatal mortality rate	Summary Form	MIS Form 3	Birth-death_neonatal death	Available	Not available	Not available
Institutional maternal mortality ratio (per 100,000 deliveries)	Summary Form	MIS Form 3	Birth-death_maternal death	Available	Not available	Not available

Indicator	Data level	Document source	Indicator/element/ register column name	Numerator	Denominator	Full indicator
Newborns treated for neonatal sepsis/infection (adapted)	Summary Form	MIS Form 3	IMCI_antibiotic injection 1	Available	Not available	Not available
Newborns treated for neonatal sepsis/infection (adapted)	Summary Form	MIS Form 3	IMCI_antibiotic injection 2	Available	Not available	Not available
Antenatal corticosteroid use	Electronic Health Information System (e.g., DHIS2)	Monthly EmONC dataset with genital fistula	No. of women given birth between 24–34 completed gestational week received at least one dose of antenatal corticosteroid	Available	Not available	Not available
Caesarean section rate	Electronic Health Information System (e.g., DHIS2)	Monthly EmONC dataset with genital fistula	No. of cesarean deliveries	Available	Not available	Not available
Stillbirth rate in a health facility	Electronic Health Information System (e.g., DHIS2)	Monthly EmONC dataset with genital fistula	No. of fresh still births	Available	Not available	Not available
Stillbirth rate in a health facility	Electronic Health Information System (e.g., DHIS2)	Monthly EmONC dataset with genital fistula	No. of macerated still births	Available	Not available	Not available
Low birth weight among livebirths (%)	Electronic Health Information System (e.g., DHIS2)	Monthly EmONC dataset with genital fistula	Total No. of low-birth-weight babies (all babies less than 2500 gm of weight)	Available	Not available	Not available
Newborn resuscitation with bag and mask	Electronic Health Information System (e.g., DHIS2)	Monthly EmONC dataset with genital fistula	No. of newborn resuscitated with stimulation only (without bag-mask ventilation) after drying	Available	Not available	Not available
Newborn resuscitation with bag and mask	Electronic Health Information System (e.g., DHIS2)	Monthly EmONC dataset with genital fistula	No. of newborn resuscitated with bag-mask ventilation (after stimulation) after drying	Available	Not available	Not available

Indicator	Data level	Document source	Indicator/element/ register column name	Numerator	Denominator	Full indicator
Chlorhexidine cord cleansing	Electronic Health Information System (e.g., DHIS2)	Monthly EmONC dataset with genital fistula	No. of newborn received 7.1% Chlorhexidine in the umbilical cord	Available	Not available	Not available
Newborns breastfed within one hour of birth	Electronic Health Information System (e.g., DHIS2)	Monthly EmONC dataset with genital fistula	No. of newborn initiated breastfeeding within 1 hour after birth	Available	Not available	Not available
Postnatal care for newborns (Facility-based)	Electronic Health Information System (e.g., DHIS2)	Monthly EmONC dataset with genital fistula	No. of newborn received PNC 1 services at facility	Available	Not available	Not available
Postnatal care for newborns (Facility-based)	Electronic Health Information System (e.g., DHIS2)	Monthly EmONC dataset with genital fistula	No. of newborn received PNC 2 services at facility	Available	Not available	Not available
Pre-discharge neonatal mortality rate	Electronic Health Information System (e.g., DHIS2)	Monthly EmONC dataset with genital fistula	No. of neonatal death reviewed In case of neonatal death in hospital the concerned nurse will complete this form and keep a file. Then inform the authorities through notification slip.	Available	Not available	Not available
Postnatal care for women (Facility-based)	Electronic Health Information System (e.g., DHIS2)	Monthly EmONC dataset with genital fistula	No. of mother received PNC 1 services at facility	Available	Not available	Not available
Postnatal care for women (Facility-based)	Electronic Health Information System (e.g., DHIS2)	Monthly EmONC dataset with genital fistula	No. of mother received PNC 2 services at facility	Available	Not available	Not available
Institutional maternal mortality ratio (per 100,000 deliveries)	Electronic Health Information System (e.g., DHIS2)	Monthly EmONC dataset with genital fistula	No. of maternal death reviewed	Available	Not available	Not available

Indicator	Data level	Document source	Indicator/element/ register column name	Numerator	Denominator	Full indicator
Pre-discharge neonatal mortality rate	Electronic Health Information System (e.g., DHIS2)	Kangaroo mother care (KMC)dataset	No. of babies die during KMC	Available	Not available	Not available
Preterm birth (facility based)	Electronic Health Information System (e.g., DHIS2)	Monthly SCANU/NSU dataset	# of pre-term (born before 37 weeks of gestation) cases	Available	Not available	Not available
Pre-discharge neonatal mortality rate	Electronic Health Information System (e.g., DHIS2)	Monthly SCANU/NSU dataset	Total Death	Available	Not available	Not available
Newborns treated for neonatal sepsis/infection (adapted)	Electronic Health Information System (e.g., DHIS2)	Monthly IMCI dataset	PSBI or Very Severe Disease-Clinical Severe Infection (VSD-CSI)-1st dose Gentamicin	Available	Not available	Not available
Newborns breastfed within one hour of birth	Electronic Health Information System (e.g., DHIS2)	Monthly IMCI dataset	Early breast feeding within one hour (0–2 months)	Available	Not available	Not available
Institutional maternal mortality ratio (per 100,000 deliveries)	Register	EmONC Register_DGHS	Type of Delivery: Normal	Not available	Available	Not available
Caesarean section rate	Register	EmONC Register_DGHS	Type of Delivery: Normal	Not available	Available	Not available
Uterotonic for prevention of post-partum haemorrhage	Register	EmONC Register_DGHS	Type of Delivery: Normal	Not available	Available	Not available
Stillbirth rate in a health facility	Register	EmONC Register_DGHS	Type of Delivery: Normal	Not available	Available	Not available
Newborn resuscitation with bag and mask	Register	EmONC Register_DGHS	Type of Delivery: Normal	Not available	Available	Not available
Newborns with documented birthweight	Register	EmONC Register_DGHS	Type of Delivery: Normal	Not available	Available	Not available

Indicator	Data level	Document source	Indicator/element/ register column name	Numerator	Denominator	Full indicator
Institutional maternal mortality ratio (per 100,000 deliveries)	Register	EmONC Register_DGHS	Type of Delivery: Forceps/ Vacuum/ Breech Delivery	Not available	Available	Not available
Caesarean section rate	Register	EmONC Register_DGHS	Type of Delivery: Forceps/ Vacuum/ Breech Delivery	Not available	Available	Not available
Uterotonic for prevention of post-partum haemorrhage	Register	EmONC Register_DGHS	Type of Delivery: Forceps/ Vacuum/ Breech Delivery	Not available	Available	Not available
Stillbirth rate in a health facility	Register	EmONC Register_DGHS	Type of Delivery: Forceps/ Vacuum/ Breech Delivery	Not available	Available	Not available
Newborn resuscitation with bag and mask	Register	EmONC Register_DGHS	Type of Delivery: Forceps/ Vacuum/ Breech Delivery	Not available	Available	Not available
Newborns with documented birthweight	Register	EmONC Register_DGHS	Type of Delivery: Forceps/ Vacuum/ Breech Delivery	Not available	Available	Not available
Institutional maternal mortality ratio (per 100,000 deliveries)	Register	EmONC Register_DGHS	Type of Delivery: Caesarean	Not available	Available	Not available
Uterotonic for prevention of post-partum haemorrhage	Register	EmONC Register_DGHS	Type of Delivery: Caesarean	Not available	Available	Not available
Stillbirth rate in a health facility	Register	EmONC Register_DGHS	Type of Delivery: Caesarean	Not available	Available	Not available
Newborn resuscitation with bag and mask	Register	EmONC Register_DGHS	Type of Delivery: Caesarean	Not available	Available	Not available
Newborns with documented birthweight	Register	EmONC Register_DGHS	Type of Delivery: Caesarean	Not available	Available	Not available
Institutional maternal mortality ratio (per 100,000 deliveries)	Register	EmONC Register_DGHS	Type of Delivery: Destructive Operation	Not available	Available	Not available

Indicator	Data level	Document source	Indicator/element/ register column name	Numerator	Denominator	Full indicator
Caesarean section rate	Register	EmONC Register_DGHS	Type of Delivery: Destructive Operation	Not available	Available	Not available
Uterotonic for prevention of post-partum haemorrhage	Register	EmONC Register_DGHS	Type of Delivery: Destructive Operation	Not available	Available	Not available
Stillbirth rate in a health facility	Register	EmONC Register_DGHS	Type of Delivery: Destructive Operation	Not available	Available	Not available
Newborn resuscitation with bag and mask	Register	EmONC Register_DGHS	Type of Delivery: Destructive Operation	Not available	Available	Not available
Newborns with documented birthweight	Register	EmONC Register_DGHS	Type of Delivery: Destructive Operation	Not available	Available	Not available
Pre-discharge neonatal mortality rate	Register	EmONC Register_DGHS	Delivery Related: Live Birth	Not available	Available	Not available
Low birth weight among livebirths (%)	Register	EmONC Register_DGHS	Delivery Related: Live Birth	Not available	Available	Not available
Preterm birth (facility based)	Register	EmONC Register_DGHS	Delivery Related: Live Birth	Not available	Available	Not available
Posnatal care for newborns (Facility-based)	Register	EmONC Register_DGHS	Delivery Related: Live Birth	Not available	Available	Not available
Newborns breastfed within one hour of birth	Register	EmONC Register_DGHS	Delivery Related: Live Birth	Not available	Available	Not available
Newborns treated for neonatal sepsis/infection	Register	EmONC Register_DGHS	Delivery Related: Live Birth	Not available	Available	Not available
Chlorhexidine cord cleansing	Register	EmONC Register_DGHS	Delivery Related: Live Birth	Not available	Available	Not available
Postnatal care for women (Facility-based)	Register	EmONC Register_DGHS	Delivery Related: Live Birth	Not available	Available	Not available
Antenatal corticosteroid use	Register	EmONC Register_DGHS	Delivery Related: Live Birth	Not available	Available	Not available

Indicator	Data level	Document source	Indicator/element/ register column name	Numerator	Denominator	Full indicator
Institutional maternal mortality ratio (per 100,000 deliveries)	Register	EmONC Register_DGHS	Delivery Related: Live Birth	Not available	Available	Not available
Caesarean section rate	Register	EmONC Register_DGHS	Delivery Related: Live Birth	Not available	Available	Not available
Uterotonic for prevention of post-partum haemorrhage	Register	EmONC Register_DGHS	Delivery Related: Live Birth	Not available	Available	Not available
Stillbirth rate in a health facility	Register	EmONC Register_DGHS	Delivery Related: Live Birth	Not available	Available	Not available
Newborn resuscitation with bag and mask	Register	EmONC Register_DGHS	Delivery Related: Live Birth	Not available	Available	Not available
Newborns with documented birthweight	Register	EmONC Register_DGHS	Delivery Related: Live Birth	Not available	Available	Not available
Institutional maternal mortality ratio (per 100,000 deliveries)	Register	EmONC Register_DGHS	Delivery Related: Still Birth: Fresh	Not available	Available	Not available
Caesarean section rate	Register	EmONC Register_DGHS	Delivery Related: Still Birth: Fresh	Not available	Available	Not available
Uterotonic for prevention of post-partum haemorrhage	Register	EmONC Register_DGHS	Delivery Related: Still Birth: Fresh	Not available	Available	Not available
Newborn resuscitation with bag and mask	Register	EmONC Register_DGHS	Delivery Related: Still Birth: Fresh	Not available	Available	Not available
Newborns with documented birthweight	Register	EmONC Register_DGHS	Delivery Related: Still Birth: Fresh	Not available	Available	Not available
Institutional maternal mortality ratio (per 100,000 deliveries)	Register	EmONC Register_DGHS	Delivery Related: Still Birth: Macerated	Not available	Available	Not available

Indicator	Data level	Document source	Indicator/element/ register column name	Numerator	Denominator	Full indicator
Caesarean section rate	Register	EmONC Register_DGHS	Delivery Related: Still Birth: Macerated	Not available	Available	Not available
Uterotonic for prevention of post-partum haemorrhage	Register	EmONC Register_DGHS	Delivery Related: Still Birth: Macerated	Not available	Available	Not available
Newborn resuscitation with bag and mask	Register	EmONC Register_DGHS	Delivery Related: Still Birth: Macerated	Not available	Available	Not available
Newborns with documented birthweight	Register	EmONC Register_DGHS	Delivery Related: Still Birth: Macerated	Not available	Available	Not available
Premature (LBW) babies initiating KMC	Register	EmONC Register_DGHS	Delivery Related: Weight at Birth (In Gram)	Not available	Available	Not available
Premature (LBW) babies initiating KMC	Register	KMC Register_DGHS	General Information: Weight at Birth of the Baby (In Gram)	Not available	Available	Not available
Newborns treated for neonatal sepsis/infection (adapted)	Register	IMCI Register for 0-59 days_DGHS	CLASSIFY: Possible Serious Bacterial Infection or Very Severe Disease-Critical Illness (VSD-CI)	Not available	Available	Not available
Institutional maternal mortality ratio (per 100,000 deliveries)	Summary Form	Monthly EmONC dataset with genital fistula	Total deliveries	Not available	Available	Not available
Caesarean section rate	Summary Form	Monthly EmONC dataset with genital fistula	Total deliveries	Not available	Available	Not available
Uterotonic for prevention of post-partum haemorrhage	Summary Form	Monthly EmONC dataset with genital fistula	Total deliveries	Not available	Available	Not available
Stillbirth rate in a health facility	Summary Form	Monthly EmONC dataset with genital fistula	Total deliveries	Not available	Available	Not available
Newborn resuscitation with bag and mask	Summary Form	Monthly EmONC dataset with genital fistula	Total deliveries	Not available	Available	Not available

Indicator	Data level	Document source	Indicator/element/ register column name	Numerator	Denominator	Full indicator
Newborns with documented birthweight	Summary Form	Monthly EmONC dataset with genital fistula	Total deliveries	Not available	Available	Not available
Pre-discharge neonatal mortality rate	Summary Form	Monthly EmONC dataset with genital fistula	No. of live births (LB)	Not available	Available	Not available
Low birth weight among livebirths (%)	Summary Form	Monthly EmONC dataset with genital fistula	No. of live births (LB)	Not available	Available	Not available
Preterm birth (facility based)	Summary Form	Monthly EmONC dataset with genital fistula	No. of live births (LB)	Not available	Available	Not available
Posnatal care for newborns (Facility-based)	Summary Form	Monthly EmONC dataset with genital fistula	No. of live births (LB)	Not available	Available	Not available
Newborns breastfed within one hour of birth	Summary Form	Monthly EmONC dataset with genital fistula	No. of live births (LB)	Not available	Available	Not available
Newborns treated for neonatal sepsis/infection	Summary Form	Monthly EmONC dataset with genital fistula	No. of live births (LB)	Not available	Available	Not available
Chlorhexidine cord cleansing	Summary Form	Monthly EmONC dataset with genital fistula	No. of live births (LB)	Not available	Available	Not available
Postnatal care for women (Facility-based)	Summary Form	Monthly EmONC dataset with genital fistula	No. of live births (LB)	Not available	Available	Not available
Antenatal corticosteroid use	Summary Form	Monthly EmONC dataset with genital fistula	No. of live births (LB)	Not available	Available	Not available
Institutional maternal mortality ratio (per 100,000 deliveries)	Register	Maternal Health and Family Planning Service Register	Place of delivery	Not available	Available	Not available
Caesarean section rate	Register	Maternal Health and Family Planning Service Register	Place of delivery	Not available	Available	Not available
Uterotonic for prevention of post-partum haemorrhage	Register	Maternal Health and Family Planning Service Register	Place of delivery	Not available	Available	Not available

Indicator	Data level	Document source	Indicator/element/ register column name	Numerator	Denominator	Full indicator
Stillbirth rate in a health facility	Register	Maternal Health and Family Planning Service Register	Place of delivery	Not available	Available	Not available
Newborn resuscitation with bag and mask	Register	Maternal Health and Family Planning Service Register	Place of delivery	Not available	Available	Not available
Newborns with documented birthweight	Register	Maternal Health and Family Planning Service Register	Place of delivery	Not available	Available	Not available
Premature (LBW) babies initiating KMC	Register	Maternal Health and Family Planning Service Register	Birth weight	Not available	Available	Not available
Newborns treated for neonatal sepsis/infection (adapted)	Summary Form	Form-2 community clinic monthly child report	IMCI: Very Severe Disease	Not available	Available	Not available
Newborns treated for neonatal sepsis/infection (adapted)	Summary Form	Form-2 community clinic monthly child report	IMCI: Pneumonia	Not available	Available	Not available
Institutional maternal mortality ratio (per 100,000 deliveries)	Summary Form	Form-3 Community clinic monthly mothers' health report	Prenatal services: Total No of Normal Delivery Number (Community Clinic)	Not available	Available	Not available
Caesarean section rate	Summary Form	Form-3 Community clinic monthly mothers' health report	Prenatal services: Total No of Normal Delivery Number (Community Clinic)	Not available	Available	Not available
Uterotonic for prevention of post-partum haemorrhage	Summary Form	Form-3 Community clinic monthly mothers' health report	Prenatal services: Total No of Normal Delivery Number (Community Clinic)	Not available	Available	Not available
Stillbirth rate in a health facility	Summary Form	Form-3 Community clinic monthly mothers' health report	Prenatal services: Total No of Normal Delivery Number (Community Clinic)	Not available	Available	Not available
Newborn resuscitation with bag and mask	Summary Form	Form-3 Community clinic monthly mothers' health report	Prenatal services: Total No of Normal Delivery Number (Community Clinic)	Not available	Available	Not available

Indicator	Data level	Document source	Indicator/element/ register column name	Numerator	Denominator	Full indicator
Newborns with documented birthweight	Summary Form	Form-3 Community clinic monthly mothers' health report	Prenatal services: Total No of Normal Delivery Number (Community Clinic)	Not available	Available	Not available
Pre-discharge neonatal mortality rate	Summary Form	Form-3 Community clinic monthly mothers' health report	Prenatal services: No of Live birth (community clinic)	Not available	Available	Not available
Low birth weight among livebirths (%)	Summary Form	Form-3 Community clinic monthly mothers' health report	Prenatal services: No of Live birth (community clinic)	Not available	Available	Not available
Preterm birth (facility based)	Summary Form	Form-3 Community clinic monthly mothers' health report	Prenatal services: No of Live birth (community clinic)	Not available	Available	Not available
Postnatal care for newborns (Facility-based)	Summary Form	Form-3 Community clinic monthly mothers' health report	Prenatal services: No of Live birth (community clinic)	Not available	Available	Not available
Newborns breastfed within one hour of birth	Summary Form	Form-3 Community clinic monthly mothers' health report	Prenatal services: No of Live birth (community clinic)	Not available	Available	Not available
Newborns treated for neonatal sepsis/infection	Summary Form	Form-3 Community clinic monthly mothers' health report	Prenatal services: No of Live birth (community clinic)	Not available	Available	Not available
Chlorhexidine cord cleansing	Summary Form	Form-3 Community clinic monthly mothers' health report	Prenatal services: No of Live birth (community clinic)	Not available	Available	Not available
Postnatal care for women (Facility-based)	Summary Form	Form-3 Community clinic monthly mothers' health report	Prenatal services: No of Live birth (community clinic)	Not available	Available	Not available
Antenatal corticosteroid use	Summary Form	Form-3 Community clinic monthly mothers' health report	Prenatal services: No of Live birth (community clinic)	Not available	Available	Not available
Institutional maternal mortality ratio (per 100,000 deliveries)	Summary Form	Form-3 Community clinic monthly mothers' health report	Prenatal services: No of Delivery by community health care project (CHCP) (community-based skilled birth attendant) [CSBA] Trained)	Not available	Available	Not available
Caesarean section rate	Summary Form	Form-3 Community clinic monthly mothers' health report	Prenatal services: No of Delivery by CHCP (CSBA Trained)	Not available	Available	Not available
Uterotonic for prevention of post-partum haemorrhage	Summary Form	Form-3 Community clinic monthly mothers' health report	Prenatal services: No of Delivery by CHCP (CSBA Trained)	Not available	Available	Not available

Indicator	Data level	Document source	Indicator/element/ register column name	Numerator	Denominator	Full indicator
Stillbirth rate in a health facility	Summary Form	Form-3 Community clinic monthly mothers' health report	Prenatal services: No of Delivery by CHCP (CSBA Trained)	Not available	Available	Not available
Newborn resuscitation with bag and mask	Summary Form	Form-3 Community clinic monthly mothers' health report	Prenatal services: No of Delivery by CHCP (CSBA Trained)	Not available	Available	Not available
Newborns with documented birthweight	Summary Form	Form-3 Community clinic monthly mothers' health report	Prenatal services: No of Delivery by CHCP (CSBA Trained)	Not available	Available	Not available
Institutional maternal mortality ratio (per 100,000 deliveries)	Register	Mother and Newborn care register_DGFP	Service during delivery: Information related to delivery: Place of delivery (Home, Institute with name)	Not available	Available	Not available
Caesarean section rate	Register	Mother and Newborn care register_DGFP	Service during delivery: Information related to delivery: Place of delivery (Home, Institute with name)	Not available	Available	Not available
Uterotonic for prevention of post-partum haemorrhage	Register	Mother and Newborn care register_DGFP	Service during delivery: Information related to delivery: Place of delivery (Home, Institute with name)	Not available	Available	Not available
Stillbirth rate in a health facility	Register	Mother and Newborn care register_DGFP	Service during delivery: Information related to delivery: Place of delivery (Home, Institute with name)	Not available	Available	Not available
Newborn resuscitation with bag and mask	Register	Mother and Newborn care register_DGFP	Service during delivery: Information related to delivery: Place of delivery (Home, Institute with name)	Not available	Available	Not available
Newborns with documented birthweight	Register	Mother and Newborn care register_DGFP	Service during delivery: Information related to delivery: Place of delivery (Home, Institute with name)	Not available	Available	Not available
Institutional maternal mortality ratio (per 100,000 deliveries)	Register	Mother and Newborn care register_DGFP	Service during delivery: Information related to delivery: Mode of delivery normal vaginal delivery/Cesarean section (NVD/CS)	Not available	Available	Not available
Caesarean section rate	Register	Mother and Newborn care register_DGFP	Service during delivery: Information related to delivery: Mode of delivery (NVD/CS)	Not available	Available	Not available

Indicator	Data level	Document source	Indicator/element/ register column name	Numerator	Denominator	Full indicator
Uterotonic for prevention of post-partum haemorrhage	Register	Mother and Newborn care register_DGFP	Service during delivery: Information related to delivery: Mode of delivery (NVD/CS)	Not available	Available	Not available
Stillbirth rate in a health facility	Register	Mother and Newborn care register_DGFP	Service during delivery: Information related to delivery: Mode of delivery (NVD/CS)	Not available	Available	Not available
Newborn resuscitation with bag and mask	Register	Mother and Newborn care register_DGFP	Service during delivery: Information related to delivery: Mode of delivery (NVD/CS)	Not available	Available	Not available
Newborns with documented birthweight	Register	Mother and Newborn care register_DGFP	Service during delivery: Information related to delivery: Mode of delivery (NVD/CS)	Not available	Available	Not available
Pre-discharge neonatal mortality rate	Register	Mother and Newborn care register_DGFP	Service during delivery: Information related to delivery: Outcome of delivery: Alive	Not available	Available	Not available
Low birth weight among livebirths (%)	Register	Mother and Newborn care register_DGFP	Service during delivery: Information related to delivery: Outcome of delivery: Alive	Not available	Available	Not available
Preterm birth (facility based)	Register	Mother and Newborn care register_DGFP	Service during delivery: Information related to delivery: Outcome of delivery: Alive	Not available	Available	Not available
Posnatal care for newborns (Facility-based)	Register	Mother and Newborn care register_DGFP	Service during delivery: Information related to delivery: Outcome of delivery: Alive	Not available	Available	Not available
Newborns breastfed within one hour of birth	Register	Mother and Newborn care register_DGFP	Service during delivery: Information related to delivery: Outcome of delivery: Alive	Not available	Available	Not available
Newborns treated for neonatal sepsis/infection	Register	Mother and Newborn care register_DGFP	Service during delivery: Information related to delivery: Outcome of delivery: Alive	Not available	Available	Not available
Chlorhexidine cord cleansing	Register	Mother and Newborn care register_DGFP	Service during delivery: Information related to delivery: Outcome of delivery: Alive	Not available	Available	Not available
Postnatal care for women (Facility-based)	Register	Mother and Newborn care register_DGFP	Service during delivery: Information related to delivery: Outcome of delivery: Alive	Not available	Available	Not available
Antenatal corticosteroid use	Register	Mother and Newborn care register_DGFP	Service during delivery: Information related to delivery: Outcome of delivery: Alive	Not available	Available	Not available

Indicator	Data level	Document source	Indicator/element/ register column name	Numerator	Denominator	Full indicator
Institutional maternal mortality ratio (per 100,000 deliveries)	Register	Mother and Newborn care register_DGFP	Service during delivery: Information related to delivery: Outcome of delivery: Dead (fresh/ Macerated)	Not available	Available	Not available
Caesarean section rate	Register	Mother and Newborn care register_DGFP	Service during delivery: Information related to delivery: Outcome of delivery: Dead (fresh/ Macerated)	Not available	Available	Not available
Uterotonic for prevention of post-partum haemorrhage	Register	Mother and Newborn care register_DGFP	Service during delivery: Information related to delivery: Outcome of delivery: Dead (fresh/ Macerated)	Not available	Available	Not available
Newborn resuscitation with bag and mask	Register	Mother and Newborn care register_DGFP	Service during delivery: Information related to delivery: Outcome of delivery: Dead (fresh/ Macerated)	Not available	Available	Not available
Newborns with documented birthweight	Register	Mother and Newborn care register_DGFP	Service during delivery: Information related to delivery: Outcome of delivery: Dead (fresh/ Macerated)	Not available	Available	Not available
Newborns treated for neonatal sepsis/infection (adapted)	Register	Newborn and Child Health Service Register (নবজাতক ও শিশু স্বাস্থ্য সেবা রেজিস্টার)	Possible disease: IMCI: Very Severe Disease	Not available	Available	Not available
Newborns treated for neonatal sepsis/infection (adapted)	Register	Newborn and Child Health Service Register (নবজাতক ও শিশু স্বাস্থ্য সেবা রেজিস্টার)	Possible disease: IMCI: Pneumonia	Not available	Available	Not available
Institutional maternal mortality ratio (per 100,000 deliveries)	Register	Delivery Register_DGFP	Newborn: Livebirth/ Stillbirth (Fresh/Macerated)	Not available	Available	Not available
Caesarean section rate	Register	Delivery Register_DGFP	Newborn: Livebirth/ Stillbirth (Fresh/Macerated)	Not available	Available	Not available
Uterotonic for prevention of post-partum haemorrhage	Register	Delivery Register_DGFP	Newborn: Livebirth/ Stillbirth (Fresh/Macerated)	Not available	Available	Not available
Newborn resuscitation with bag and mask	Register	Delivery Register_DGFP	Newborn: Livebirth/ Stillbirth (Fresh/Macerated)	Not available	Available	Not available

Indicator	Data level	Document source	Indicator/element/ register column name	Numerator	Denominator	Full indicator
Newborns with documented birthweight	Register	Delivery Register_DGFP	Newborn: Livebirth/ Stillbirth (Fresh/Macerated)	Not available	Available	Not available
Pre-discharge neonatal mortality rate	Register	Delivery Register_DGFP	Newborn: Livebirth/ Stillbirth (Fresh/Macerated)	Not available	Available	Not available
Low birth weight among livebirths (%)	Register	Delivery Register_DGFP	Newborn: Livebirth/ Stillbirth (Fresh/Macerated)	Not available	Available	Not available
Preterm birth (facility based)	Register	Delivery Register_DGFP	Newborn: Livebirth/ Stillbirth (Fresh/Macerated)	Not available	Available	Not available
Posnatal care for newborns (Facility-based)	Register	Delivery Register_DGFP	Newborn: Livebirth/ Stillbirth (Fresh/Macerated)	Not available	Available	Not available
Newborns breastfed within one hour of birth	Register	Delivery Register_DGFP	Newborn: Livebirth/ Stillbirth (Fresh/Macerated)	Not available	Available	Not available
Newborns treated for neonatal sepsis/infection	Register	Delivery Register_DGFP	Newborn: Livebirth/ Stillbirth (Fresh/Macerated)	Not available	Available	Not available
Chlorhexidine cord cleansing	Register	Delivery Register_DGFP	Newborn: Livebirth/ Stillbirth (Fresh/Macerated)	Not available	Available	Not available
Postnatal care for women (Facility-based)	Register	Delivery Register_DGFP	Newborn: Livebirth/ Stillbirth (Fresh/Macerated)	Not available	Available	Not available
Antenatal corticosteroid use	Register	Delivery Register_DGFP	Newborn: Livebirth/ Stillbirth (Fresh/Macerated)	Not available	Available	Not available
Premature (LBW) babies initiating KMC	Register	Delivery Register_DGFP	Newborn: Sex	Not available	Available	Not available
Newborns treated for neonatal sepsis/infection (adapted)	Summary Form	Monthly SCANU/NSU dataset	Total newborn sepsis cases	Not available	Available	Not available
Newborns treated for neonatal sepsis/infection (adapted)	Summary Form	Monthly IMCI dataset	PSBI or Very Severe Disease-Critical Illness (VSD-CI)	Not available	Available	Not available

Indicator	Data level	Document source	Indicator/element/ register column name	Numerator	Denominator	Full indicator
Institutional maternal mortality ratio (per 100,000 deliveries)	Summary Form	MIS Form 3	Reproductive health care_Delivery Care_normal	Not available	Available	Not available
Caesarean section rate	Summary Form	MIS Form 3	Reproductive health care_Delivery Care_normal	Not available	Available	Not available
Uterotonic for prevention of post-partum haemorrhage	Summary Form	MIS Form 3	Reproductive health care_Delivery Care_normal	Not available	Available	Not available
Stillbirth rate in a health facility	Summary Form	MIS Form 3	Reproductive health care_Delivery Care_normal	Not available	Available	Not available
Newborn resuscitation with bag and mask	Summary Form	MIS Form 3	Reproductive health care_Delivery Care_normal	Not available	Available	Not available
Newborns with documented birthweight	Summary Form	MIS Form 3	Reproductive health care_Delivery Care_normal	Not available	Available	Not available
Institutional maternal mortality ratio (per 100,000 deliveries)	Summary Form	MIS Form 3	Reproductive health care_Delivery Care_cesarean	Not available	Available	Not available
Uterotonic for prevention of post-partum haemorrhage	Summary Form	MIS Form 3	Reproductive health care_Delivery Care_cesarean	Not available	Available	Not available
Stillbirth rate in a health facility	Summary Form	MIS Form 3	Reproductive health care_Delivery Care_cesarean	Not available	Available	Not available
Newborn resuscitation with bag and mask	Summary Form	MIS Form 3	Reproductive health care_Delivery Care_cesarean	Not available	Available	Not available
Newborns with documented birthweight	Summary Form	MIS Form 3	Reproductive health care_Delivery Care_cesarean	Not available	Available	Not available
Institutional maternal mortality ratio (per 100,000 deliveries)	Summary Form	MIS Form 3	Reproductive health care_Delivery Care_others (forcep/vacuum/breech)	Not available	Available	Not available

Indicator	Data level	Document source	Indicator/element/ register column name	Numerator	Denominator	Full indicator
Caesarean section rate	Summary Form	MIS Form 3	Reproductive health care_Delivery Care_others (forcep/vacuum/breech)	Not available	Available	Not available
Uterotonic for prevention of post-partum haemorrhage	Summary Form	MIS Form 3	Reproductive health care_Delivery Care_others (forcep/vacuum/breech)	Not available	Available	Not available
Stillbirth rate in a health facility	Summary Form	MIS Form 3	Reproductive health care_Delivery Care_others (forcep/vacuum/breech)	Not available	Available	Not available
Newborn resuscitation with bag and mask	Summary Form	MIS Form 3	Reproductive health care_Delivery Care_others (forcep/vacuum/breech)	Not available	Available	Not available
Newborns with documented birthweight	Summary Form	MIS Form 3	Reproductive health care_Delivery Care_others (forcep/vacuum/breech)	Not available	Available	Not available
Pre-discharge neonatal mortality rate	Summary Form	MIS Form 3	Birth-death_live birth	Not available	Available	Not available
Low birth weight among livebirths (%)	Summary Form	MIS Form 3	Birth-death_live birth	Not available	Available	Not available
Preterm birth (facility based)	Summary Form	MIS Form 3	Birth-death_live birth	Not available	Available	Not available
Postnatal care for newborns (Facility-based)	Summary Form	MIS Form 3	Birth-death_live birth	Not available	Available	Not available
Newborns breastfed within one hour of birth	Summary Form	MIS Form 3	Birth-death_live birth	Not available	Available	Not available
Newborns treated for neonatal sepsis/infection	Summary Form	MIS Form 3	Birth-death_live birth	Not available	Available	Not available
Chlorhexidine cord cleansing	Summary Form	MIS Form 3	Birth-death_live birth	Not available	Available	Not available
Postnatal care for women (Facility-based)	Summary Form	MIS Form 3	Birth-death_live birth	Not available	Available	Not available
Antenatal corticosteroid use	Summary Form	MIS Form 3	Birth-death_live birth	Not available	Available	Not available

Indicator	Data level	Document source	Indicator/element/ register column name	Numerator	Denominator	Full indicator
Newborns treated for neonatal sepsis/infection (adapted)	Summary Form	MIS Form 3	IMCI_very severe disease-critical illness	Not available	Available	Not available
Newborns treated for neonatal sepsis/infection (adapted)	Summary Form	MIS Form 3	IMCI_very severe disease-possible critical illness	Not available	Available	Not available
Institutional maternal mortality ratio (per 100,000 deliveries)	Electronic Health Information System (e.g., DHIS2)	Monthly EmONC dataset with genital fistula	Total deliveries	Not available	Available	Not available
Caesarean section rate	Electronic Health Information System (e.g., DHIS2)	Monthly EmONC dataset with genital fistula	Total deliveries	Not available	Available	Not available
Uterotonic for prevention of post-partum haemorrhage	Electronic Health Information System (e.g., DHIS2)	Monthly EmONC dataset with genital fistula	Total deliveries	Not available	Available	Not available
Stillbirth rate in a health facility	Electronic Health Information System (e.g., DHIS2)	Monthly EmONC dataset with genital fistula	Total deliveries	Not available	Available	Not available
Newborn resuscitation with bag and mask	Electronic Health Information System (e.g., DHIS2)	Monthly EmONC dataset with genital fistula	Total deliveries	Not available	Available	Not available
Newborns with documented birthweight	Electronic Health Information System (e.g., DHIS2)	Monthly EmONC dataset with genital fistula	Total deliveries	Not available	Available	Not available
Pre-discharge neonatal mortality rate	Electronic Health Information System (e.g., DHIS2)	Monthly EmONC dataset with genital fistula	No. of live births (LB)	Not available	Available	Not available

Indicator	Data level	Document source	Indicator/element/ register column name	Numerator	Denominator	Full indicator
Low birth weight among livebirths (%)	Electronic Health Information System (e.g., DHIS2)	Monthly EmONC dataset with genital fistula	No. of live births (LB)	Not available	Available	Not available
Preterm birth (facility based)	Electronic Health Information System (e.g., DHIS2)	Monthly EmONC dataset with genital fistula	No. of live births (LB)	Not available	Available	Not available
Postnatal care for newborns (Facility-based)	Electronic Health Information System (e.g., DHIS2)	Monthly EmONC dataset with genital fistula	No. of live births (LB)	Not available	Available	Not available
Newborns breastfed within one hour of birth	Electronic Health Information System (e.g., DHIS2)	Monthly EmONC dataset with genital fistula	No. of live births (LB)	Not available	Available	Not available
Newborns treated for neonatal sepsis/infection	Electronic Health Information System (e.g., DHIS2)	Monthly EmONC dataset with genital fistula	No. of live births (LB)	Not available	Available	Not available
Chlorhexidine cord cleansing	Electronic Health Information System (e.g., DHIS2)	Monthly EmONC dataset with genital fistula	No. of live births (LB)	Not available	Available	Not available
Postnatal care for women (Facility-based)	Electronic Health Information System (e.g., DHIS2)	Monthly EmONC dataset with genital fistula	No. of live births (LB)	Not available	Available	Not available
Antenatal corticosteroid use	Electronic Health Information System (e.g., DHIS2)	Monthly EmONC dataset with genital fistula	No. of live births (LB)	Not available	Available	Not available
Newborns treated for neonatal sepsis/infection (adapted)	Electronic Health Information System (e.g., DHIS2)	Monthly SCANU/NSU dataset	Total newborn sepsis cases	Not available	Available	Not available

Indicator	Data level	Document source	Indicator/element/ register column name	Numerator	Denominator	Full indicator
Newborns treated for neonatal sepsis/infection (adapted)	Electronic Health Information System (e.g., DHIS2)	Monthly IMCI dataset	PSBI or Very Severe Disease-Critical Illness (VSD-CI)	Not available	Available	Not available
Institutional maternal mortality ratio (per 100,000 deliveries)	Electronic Health Information System (e.g., DHIS2)		Institutional maternal mortality ratio (per 100,000 deliveries)	Not available	Not available	Available
Chlorhexidine cord cleansing	Electronic Health Information System (e.g., DHIS2)		Percentage of newborn delivered by skilled birth attendant at facility that received chlorhexidine (7.1%) to the cord after birth	Not available	Not available	Available
Newborns breastfed within one hour of birth	Electronic Health Information System (e.g., DHIS2)		Percentage of newborn initiated breastfeeding within one hour after birth	Not available	Not available	Available
Postnatal care for newborns (Facility-based)	Electronic Health Information System (e.g., DHIS2)		Percentage of newborns who received postnatal care within 2 days of birth at facility	Not available	Not available	Available
Caesarean section rate	Electronic Health Information System (e.g., DHIS2)		C-section rate of the facility	Not available	Not available	Available
Stillbirth rate in a health facility	Electronic Health Information System (e.g., DHIS2)		institutional stillbirth rate (per 1000 total birth)	Not available	Not available	Available
Pre-discharge neonatal mortality rate	Electronic Health Information System (e.g., DHIS2)		institutional neonatal mortality rate (per 1000 deliveries)	Not available	Not available	Available
Postnatal care for women (Facility-based)	Electronic Health Information System (e.g., DHIS2)		Postpartum care coverage-women	Not available	Not available	Available

Section 4. All levels RHIS: Newborn indicators and data element availability with definitions that differ from WHO- or nationally recommended definitions

Background

Section four of this report summarizes newborn data for indicator measurement at all levels of the RHIS that have been mapped. This section shows all occurrences in RHIS where definitions do NOT match standardized WHO- or nationally recommended core/optional newborn indicators.

This section can be used to consider the reason for any difference from the standard WHO definitions. If there is no specific reason for the difference, then this section provides an opportunity to highlight where to consider updating the definitions.

Results

Table 3 shows a summary of numerators, denominators, and indicators by all levels of the RHIS and which source is capturing them which have definitions that differ from the WHO- or nationally recommended definitions.

Table 3. Indicator measurement sources when numerator, denominator, and indicator definitions differ from WHO recommendations, by data level and source

Indicator	Type	Data level	Document name	Indicator/element/column name
Uterotonic for prevention of post-partum haemorrhage	Numerator	Register	EmONC Register_DGHS	Delivery Related: active management of third stage of labor (AMTSL) Done
Preterm birth (facility based)	Numerator	Register	KMC Register_DGHS	General Information: Gestational Age (In Weeks)
Premature (LBW) babies initiating KMC	Numerator	Register	KMC Register_DGHS	Information about Initiation of KMC Time & Date of Initiation of KMC
Newborns treated for neonatal sepsis/infection	Numerator	Register	SCANU Register_DGHS	Treatment given in while in SCANU/NSU: Antibiotic
Preterm birth (facility based)	Numerator	Summary Form	Monthly EmONC dataset with genital fistula	No. of women given birth between 24–34 completed gestational week
Uterotonic for prevention of post-partum haemorrhage	Numerator	Summary Form	Monthly EmONC dataset with genital fistula	No. of normal deliveries with AMTSL at facility level
Low birth weight among livebirths (%)	Numerator	Summary Form	Form-2 community clinic monthly child report	Nutrition: LBW
Uterotonic for prevention of post-partum haemorrhage	Numerator	Register	Mother and Newborn care register_DGFP	Service during delivery: Information related to delivery: Active management of third stage of labor (Yes/No)

Indicator	Type	Data level	Document name	Indicator/element/column name
Newborns treated for neonatal sepsis/infection (adapted)	Numerator	Register	Newborn and Child Health Service Register (নবজাতক ও শিশু স্বাস্থ্য সেবা রেজিস্টার)	Service Delivery: Antibiotic
Low birth weight among livebirths (%)	Numerator	Summary Form	Kangaroo mother care (KMC) dataset	No. of babies born with less than 2000 gram of weight
Premature (LBW) babies initiating KMC	Numerator	Summary Form	Kangaroo mother care (KMC) dataset	No. of babies initiated with KMC services
Premature (LBW) babies initiating KMC	Numerator	Summary Form	Kangaroo mother care (KMC) dataset	No. of babies born in the facility initiated KMC services
Premature (LBW) babies initiating KMC	Numerator	Summary Form	Kangaroo mother care (KMC) dataset	No. of babies born outside of the facility received KMC
Low birth weight among livebirths (%)	Numerator	Summary Form	Monthly IMCI dataset	Low birth weight (within 72 hours)
Uterotonic for prevention of post-partum haemorrhage	Numerator	Summary Form	MIS Form 3	Reproductive health care_Delivery Care_AMTSL
Premature (LBW) babies initiating KMC	Numerator	Summary Form	MIS Form 3	Child care (0–59 months)_KMC_total KMC
Premature (LBW) babies initiating KMC	Numerator	Summary Form	MIS Form 3	Child care (0–59 months)_KMC_born within this facility
Preterm birth (facility based)	Numerator	Electronic Health Information System (e.g., DHIS2)	Monthly EmONC dataset with genital fistula	No. of women given birth between 24–34 completed gestational week
Uterotonic for prevention of post-partum haemorrhage	Numerator	Electronic Health Information System (e.g., DHIS2)	Monthly EmONC dataset with genital fistula	No. of normal deliveries with AMTSL at facility level
Low birth weight among livebirths (%)	Numerator	Electronic Health Information System (e.g., DHIS2)	Kangaroo mother care (KMC) dataset	No. of babies born with less than 2000 gram of weight
Premature (LBW) babies initiating KMC	Numerator	Electronic Health Information System (e.g., DHIS2)	Kangaroo mother care (KMC) dataset	No. of babies initiated with KMC services
Premature (LBW) babies initiating KMC	Numerator	Electronic Health Information System (e.g., DHIS2)	Kangaroo mother care (KMC) dataset	No. of babies born in the facility initiated KMC services

Indicator	Type	Data level	Document name	Indicator/element/column name
Premature (LBW) babies initiating KMC	Numerator	Electronic Health Information System (e.g., DHIS2)	Kangaroo mother care (KMC) dataset	No. of babies born outside of the facility received KMC
Low birth weight among livebirths (%)	Numerator	Electronic Health Information System (e.g., DHIS2)	Monthly IMCI dataset	Low birth weight (within 72 hours)

Section 5. Documentation burden

Background

Section five summarizes the total RHIS load for newborn measurement at all levels.

RHIS load is presented as a balance of WHO- or nationally recommended core/optional indicators with *other* newborn data.

If the balance (proportion) is mostly *other* newborn data, this section can be used as an opportunity to consider whether streamlining certain data sources may be feasible. Please note: some data elements are necessary to collect even if they are not on the recommended indicator list (e.g., identification information).

This section can be used to consider whether the RHIS load for newborn measurement is appropriate or excessive. For example, if a large proportion of routine register newborn data are *other* newborn data, this may represent excessive documentation typically for frontline health workers. Excessive documentation burden may detract from their time available to provide care for women and newborns. Consider if reducing the duplicate data collection may improve data quality and quality of care.

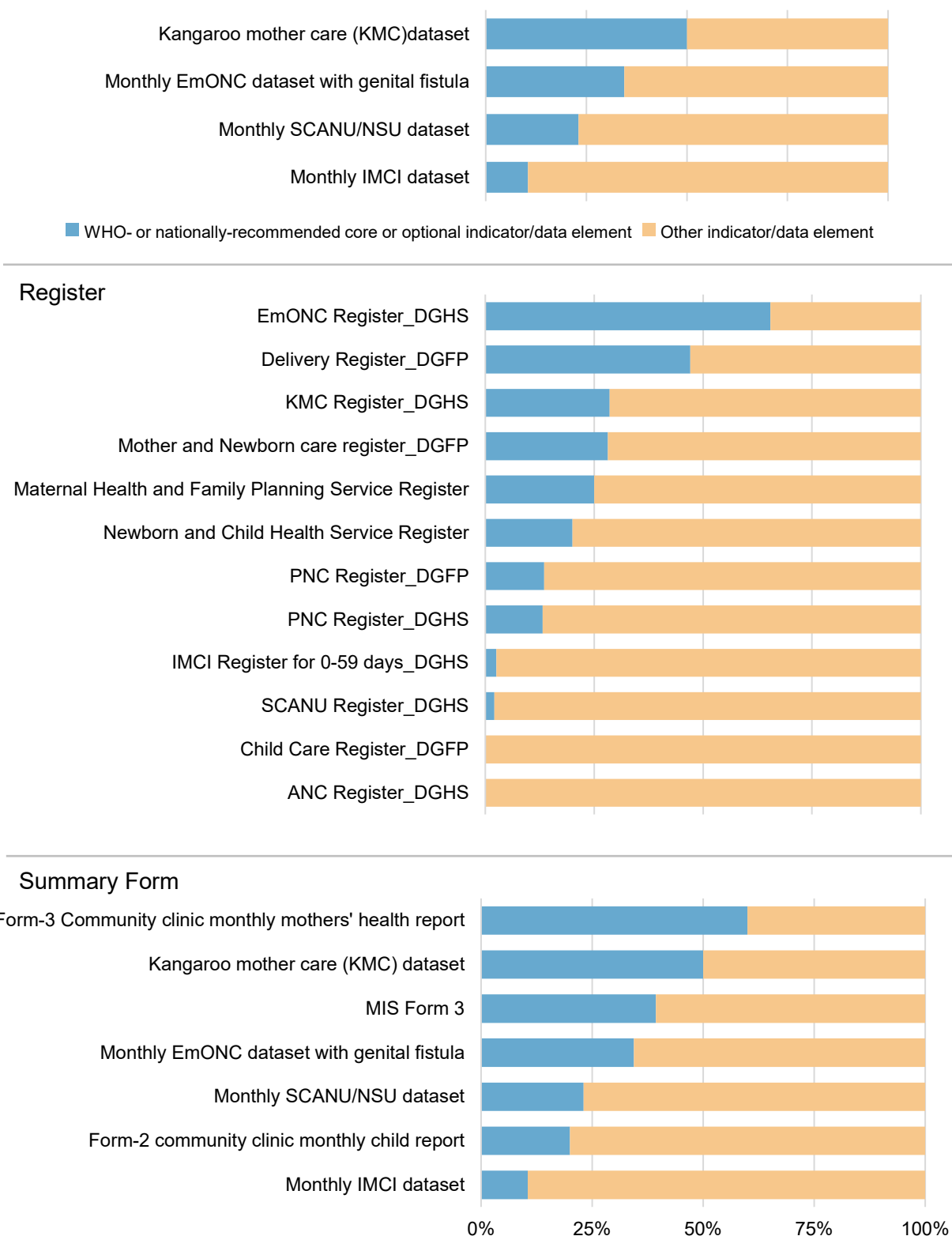
Results

Figure 3 contains information on the burden of documentation. Among all newborn-specific and newborn-related data, the proportion of WHO- or nationally recommended core/optional data are shown, for each source mapped.

Of **1053** data elements or indicators that are specific or related to the newborn, **234 (22.2%)** are included in the WHO indicator recommendations.

Figure 3. Proportion of newborn data WHO or nationally recommended as core/optional

Electronic Health Information System (e.g. DHIS2)



Appendix 1. Indicators and definitions

The standard indicators and definitions are selected from the Mother and Newborn Information for Tracking Outcomes and Results (MoNITOR) online indicator Toolkit (version titled: “indicator_database_13Nov2020.xlsx”) which can be found here <https://monitor.srhr.org/>. If country-specific changes were made to the Mapping Excel Tool “definitions” page, the updated indicators will be shown here.

Appendix 1. Indicators and definitions

Indicator	Indicator definition	Numerator definition	Denominator definition	Indicator type	Domain	Continuum	Use
Institutional maternal mortality ratio (per 100,000 deliveries)	Number of maternal deaths in health facilities/institutions per 100 000 deliveries	Number of maternal deaths in health facilities/institutions	Total number of women who gave birth in a facility	Impact	Mortality	All	Optional
Stillbirth rate in a health facility	Stillbirths [Note: Baby born with no sign of life and weighing at least 1000g or after 28 weeks gestation] This indicator should be routinely disaggregated by fresh and macerated when possible.	Number of stillbirths	Number of live births and stillbirths in facility	Impact	Mortality	Intrapartum	Core
Pre-discharge neonatal mortality rate	Percentage of babies born live in a facility who die prior to discharge	Number of babies born live in a facility who die during the first 28 days of completed days of life and die prior to discharge from the facility, per 1000 live births in a given year or period	Number of babies born live in a facility	Impact	Mortality	Postnatal	Optional
Low birth weight among livebirths (%)	Percentage of live births that weigh less than 2500 grams.	Number of live-born neonates with weight less than 2500 g at birth	Total number of live births	Impact	Risk-factors and behaviors	Postnatal	Core
Preterm birth (facility based)	Percentage of births in health facility that are pre-term (less than 37 weeks gestation)	Number of newborns born under 37 weeks gestation	Total number of live births in facility	Impact	Risk-factors and behaviors	Postnatal	Optional
Caesarean section rate	Percentage of deliveries by caesarean section.	Number of caesarean sections.	Number of total deliveries in facility.	Outcome	Service coverage	Intrapartum	Core

Indicator	Indicator definition	Numerator definition	Denominator definition	Indicator type	Domain	Continuum	Use
Postnatal care for women (Facility-based)	Percentage of women with postnatal care (PNC) Note: The numerator includes both women who gave birth in the health facility and those who gave birth outside the health facility.	Number of women with postnatal care	Number of deliveries in facility	Outcome	Service coverage	Postnatal	Core
Postnatal care for newborns (Facility-based)	Percentage of newborns with postnatal care (PNC) Note: The numerator includes both women who gave birth in the health facility and those who gave birth outside the health facility.	Number of newborns with postnatal care	Number of live births in facility	Outcome	Service coverage	Postnatal	Core
Newborns breastfed within one hour of birth	Percentage of babies born alive in a facility who are breastfed within one (1) hour of birth.	Number of babies born alive in a facility who are breastfed within one (1) hour of birth	Total number of live births in a facility	Outcome	Risk-factors and behaviors	Postnatal	Core
Newborn resuscitation with bag and mask	Percentage of newborns not breathing and/or crying spontaneously at birth and, subsequently, required additional resuscitation actions (stimulation and/or bag and mask) to be performed.	Number of newborns who were not breathing spontaneously or crying at birth and, subsequently, required resuscitation (stimulation and/or bag and mask) to be performed.	Total number of live births in the facility	Outcome	Service coverage	Postnatal	Core
Premature (LBW) babies initiating KMC	Percentage of newborns weighing $\leq 2,000$ g who are initiated with KMC (or admitted to KMC unit, if separate unit exists).	Number of newborns weighing $\leq 2,000$ g who are initiated on KMC (or admitted to KMC unit, if separate unit exists)	Total number of newborns weighed	Outcome	Service coverage	Postnatal	Core
Newborns treated for neonatal sepsis/infection	Percentage of newborns with suspected severe bacterial infection who receive appropriate antibiotic therapy	The number of newborns who receive treatment (at least one injection of antibiotic) for suspected serious bacterial infection in the facility.	Total number of live births in the facility	Outcome	Service coverage	Postnatal	Core

Indicator	Indicator definition	Numerator definition	Denominator definition	Indicator type	Domain	Continuum	Use
Newborns treated for neonatal sepsis/infection (adapted)	Percentage of newborns with suspected severe bacterial infection who receive appropriate antibiotic therapy	The number of newborns who receive treatment (at least one injection of antibiotic) for suspected serious bacterial infection in the facility.	Total number of sepsis cases in the facility	Outcome	Service coverage	Postnatal	Core
Antenatal corticosteroid use	Percentage of newborns with confirmed ultrasound gestational age of less than 34 weeks whose mothers received antenatal corticosteroids.	All women who gave birth in a facility at <34 completed weeks and received one dose of ACS for risk of preterm birth	Total number of women with a live birth	Outcome	Service coverage	Antenatal	Optional
Newborns with documented birthweight	Percentage of newborns born in a facility with documented birthweight before discharge.	Number of newborns born in a facility with documented birthweight before discharge	Total number of live births in a facility	Outcome	Service coverage	Postnatal	Core
Uterotonic for prevention of postpartum haemorrhage	Percentage of women who gave birth in a facility who received a prophylactic uterotonic immediately after birth for prevention of postpartum hemorrhage. [Note: the standard for operationalizing «immediately» is within one minute]	Number of women who gave birth in a facility who received a prophylactic uterotonic immediately after birth.	Total number of women who gave birth in a facility.	Outcome	Service coverage	Intrapartum	Core
Chlorhexidine cord cleansing	Percentage of newborns who received at least one (1) dose of chlorhexidine to the cord within 24 hours of birth.	Number of newborns who received at least one dose of chlorhexidine (7.1%) to the cord within 24 hours of birth	Total number of live births	Outcome	Service coverage	Postnatal	Optional

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