

Session 2: Vital Statistics on Births

Training Workshop on CRVS

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Sustainable Development Goals and Civil Registration

Goals and targets (from the 2030 Agenda)	Indicators
16.9 By 2030, provide legal identity for all, including birth registration	16.9.1 Proportion of children under 5 years of age whose births have been registered with a civil authority, by age
17.19 By 2030, build on existing initiatives to develop measurements of progress on sustainable development that complement gross domestic product, and support statistical capacity-building in developing countries	17.19.1 Dollar value of all resources made available to strengthen statistical capacity in developing countries 17.19.2 Proportion of countries that (a) have conducted at least one population and housing census in the last 10 years; and (b) have achieved 100 per cent birth registration and 80 per cent death registration

Definitions

- CRVS produces data on *live* births
- Definition of live birth
- WHO: a **live birth** is the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of the pregnancy, which, after such separation, breathes or shows any sign of life

Requirements for Reporting a Live Birth: 2004

Reporting requirement	Country
All live births	Austria, Denmark, England and Wales, Finland, Germany, Hungary, Italy, Northern Ireland, Portugal, Scotland, Slovak Republic, Spain, Sweden, United States
Live births at 12 weeks of gestation or more	Norway
Live births at 500 grams birthweight or more, and less than 500 grams if the infant survives for 24 hours	Czech Republic
Live births at 22 weeks of gestation or more, or 500 grams birthweight or more	France
All live births for civil registration, births at 500 grams birthweight or more for the national perinatal register	Ireland
Live births at 22 weeks of gestation or more, 500 grams birthweight or more if gestational age is unknown	Netherlands
Live births at 500 or more grams birthweight	Poland

Reference material

- “Principles and Recommendations for a Vital Statistics System. Revision 3” United Nations, 2014.
<https://unstats.un.org/unsd/demographic/standmeth/principles/M19Rev3en.pdf>. Russian edition: ...
- “Handbook on Civil Registration and Vital Statistics Systems: Management, Operation and Maintenance. Revision 1.” United Nations 2018. <https://unstats.un.org/unsd/demographic-social/Standards-and-Methods/files/Handbooks/crvs/crvs-mgt-E.pdf>
- “Guidelines and Template for Developing a Vital Statistics Report.” ECA, ESCAP and Statistics Norway, 2018.
https://www.getinthepicture.org/sites/default/files/resources/Guidelines%20and%20template_ENG.pdf

Civil registration variables on births

- “Principles and Recommendations”: pp. 18-19
- “Guidelines and Template”: Annex I.
- (i) Characteristic of the event a Date of occurrence b Date of registration c Place of occurrence d Locality of occurrence e Urban/rural occurrence f Place of registration g Type of birth (i.e., single, twin, triplet, quadruplet or higher multiple delivery) h Attendant at birth i Type of place of occurrence (hospital, home, etc.) (ii) Characteristics of the newborn

Civil registration variables on births

- (i) Characteristic of the event
- (ii) Characteristics of the newborn
- (iii) Characteristics of the mother

(i) Characteristic of the event

- a. Date of occurrence
- b. Date of registration
- c. Place of occurrence
- d. Locality of occurrence
- e. Urban/rural occurrence
- f. Place of registration
- g. Type of birth (i.e., single, twin, triplet, etc)
- h. Attendant at birth
- i. Type of place of occurrence (hospital, home, elsewhere)

(i) Characteristic of the newborn

a. Sex

b. Weight at birth

Date of occurrence

b. Date of registration

c. Place of occurrence

d. Locality of occurrence

e. Urban/rural occurrence

f. Place of registration

g. Type of birth (i.e., single, twin, triplet, etc)

h. Attendant at birth

i. Type of place of occurrence (hospital, home, elsewhere)

Principles and Recommendations for a , 2014 (pp. 18-19)

Table III.1

Topics and themes to be investigated for vital statistics purposes through the civil registration system

Live birth

(i) Characteristic of the event	
Date of occurrence (1)	◆
Date of registration (2)	◆
Place of occurrence (3)	◆
Locality of occurrence (4)	□
Urban/rural occurrence (5)	□
Place of registration (3)	◆
Type of birth (i.e., single, twin, triplet, quadruplet or higher-multiple delivery) (37)	◆
Attendant at birth (38)	◆
Type of place of occurrence (hospital, home, etc.) (45)	○

United Nations Principles and Recommendations, 2014, contd.

(ii) Characteristics of the newborn

Sex

Weight at birth

United Nations Principles and Recommendations, 2014, contd.

(iii) Characteristics of the mother

Date of birth

Age

Marital status

Child born in wedlock (legitimacy status of the child)

Educational attainment

Place of usual residence

Locality of residence

Urban/rural residence

Duration of residence in usual place

Place and country of birth

Migrant status

Children born alive to mother during her entire lifetime

Birth order or parity

Foetal deaths to mother during her entire lifetime

Date of last previous live birth

Interval since last previous live birth

Date of marriage

Duration of marriage

United Nations Principles and Recommendations, 2014, contd.

(iv) Characteristics of the father (if known)

Date of birth

Age

Marital status

Educational attainment

Place of usual residence

Locality of residence

Urban/rural residence

(v) Characteristics of population at risk

Recommended tables on live births (UN P&R)

LB-1 Live births by place of occurrence and sex of child

LB-2 Live births by place of occurrence and place of usual residence of mother

LB-3 Live births by place of registration, month of occurrence and month of registration

LB-4 Live births by month, place of occurrence and place of usual residence of mother

LB-5 Live births by age, place of usual residence and marital status of mother

LB-6 Live births by age of father

LB-7 Live births by place of usual residence, age and educational attainment of mother

LB-8 Live births by educational attainment and age of mother, and live-birth order

LB-9 Live births by place of usual residence and age of mother, sex of child and live-birth order

LB-10 Live births by live-birth order and interval between last and previous live births to mother

Recommended tables on live births (UN P&R)

LB-11 Live births by place of birth, place of usual residence and age of mother

LB-12 Live births by place of usual residence and age of mother and legitimacy status

LB-13 Live births by place of occurrence, site of delivery and attendant at birth

LB-14 Live births by site of delivery, attendant at birth and birth weight

LB-15 Live births by birth weight and place of usual residence and educational attainment of mother

LB-16 Live births by gestational age, place of usual residence of mother and birth weight

LB-17 Live births by birth weight, place of usual residence of mother and month in which prenatal care began

LB-18 Live births by age and place of usual residence of mother and month in which prenatal care began

LB-19 Live births by live-birth order, place of usual residence of mother and month in which prenatal care began

LB-20 Live births by place of usual residence of mother and duration of residence at the current usual residence

Vital Statistics on Births

- Time series for the country
- Regional numbers
- Place of occurrence
- Place of usual residence of mother
- Place of registration
- Month
- Delayed births
- Gender
- Type of institution
- Age of mother (and father)
- Marital status of parents
- Previous no. of births
- Weight and height of child (?)
- Gestational age (?)
- Urban – rural place of birth

Registered live births by place of occurrence

	Total	Health facility	At home	Other
:				
2012				
2013				
2014				

Registered live births by region

	Total	Sex ratio	Completeness
Total			
Region 1			
Region 2			
Region 3			
:			

Births Registered Currently or Later Botswana: 2012

		Type of Birth				
		Live Births		Still Births		
Status		Number	Percentage	Number	Percentage	Total
Current	Number	40,856	98.7	528	1.3	41,384
	Percentage	63.4		97.1		63.7
Late	Number	23,599	99.9	16	0.1	23,615
	Percentage	36.6		2.9		36.3
	Total	64,455	99.2	544	0.8	64,999

Questions?