

Template and guidelines for developing a Vital Statistics Report

Workshop on Vital Statistics for North and Central Asian Countries

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Outline

- Background
- Guidelines
- Template

Background

- Statistics Norway (SN) approached by ECA in 2015, later joined by ESCAP
- SN long experience with CRVS:
- Compilation and use of CR data and publication of VS reports (since 1876)
- Recently published: *Status Analysis on Civil Registration and Vital Statistics* (2014)
- Projects and consultancies on CRVS in several countries, including Palestine, Mozambique, Uganda, Albania, Bangladesh and Vietnam
- Currently involved in developing two eLearning modules on CRVS for the World Bank

Challenges

- Organization of the document:
 - Two parts, many boxes and examples
- Countries very different with regard to
 - Organization of Civil Registration - and the statistical system
 - Coverage of vital events
 - Experience in developing vital statistics reports
- Difficult to find good examples, especially in Africa
- Deciding on the appropriate technical level
 - Too simple for some, too difficult for other
- Not repeating everything that has been written about CRVS recently. Meant to be a practical guide.

Limitations of Template

- Almost nothing on marriages and divorces
- Very little on causes of death
- Almost nothing on migration – but not considered to be a vital event

Document consists of two parts

- Part 1: Guidelines
 - About the template and how to use it
- Part 2: Template
 - An attempt to make a generic VS report which the user can use to fill in text, charts and numbers about his/her own country
- Annexes:

Part 1: Guidelines

- I. Purpose
- II. Rationale
- III. Target audience and important considerations
- IV. Link with other activities
- V. Initial focus on key vital events
- VI. Reasons for publishing a Vital Statistics Report
- VII. How to use this document

Contents of Template

1. Introduction
 2. The Civil Registration system of the country
 - 3 Data: quality, coverage and definitions
 4. Births
 5. Deaths
 6. Cause of death
 7. Summary tables
- References
- Attachments

Boxes for special topics

Box 5: Definition of vital statistics and vital events for statistical purposes

Box 6: Tabulation programs

Box 7: Confidentiality of data

Box 8: CRVS organization in Kenya

Box 9: Sub counties and CR office overview for Kenya

Box 10: Timeliness of birth registration

Box 11: Civil Registration and Population Registers

Box 12. Importance of coordination and cooperation

Box 13: Data quality

Box 14: Coverage rates

Box 15: Examples of graphs and maps showing coverage of birth registration

Box 16: Presenting data

Box 17: Key birth registration variables

Box 18: Tables on live births recommended by United Nations

Box 19: Key death registration variables

Box 20: Tables on deaths recommended by United Nations Statistical Division

Box 21: Summary cause of death table from Kenya

Box 22: Summary tables

Box 23: Expected population size

Map of local CR offices in Kenya



2. Civil Registration system of the country

- 2.1 History
- 2.2 Legal and administrative issues
- 2.3 Organizational structure, registration process and information flows
- 2.4 Incentives and disincentives for registration

Figure 2.1 Possible organizational chart presenting different levels and cooperation partners

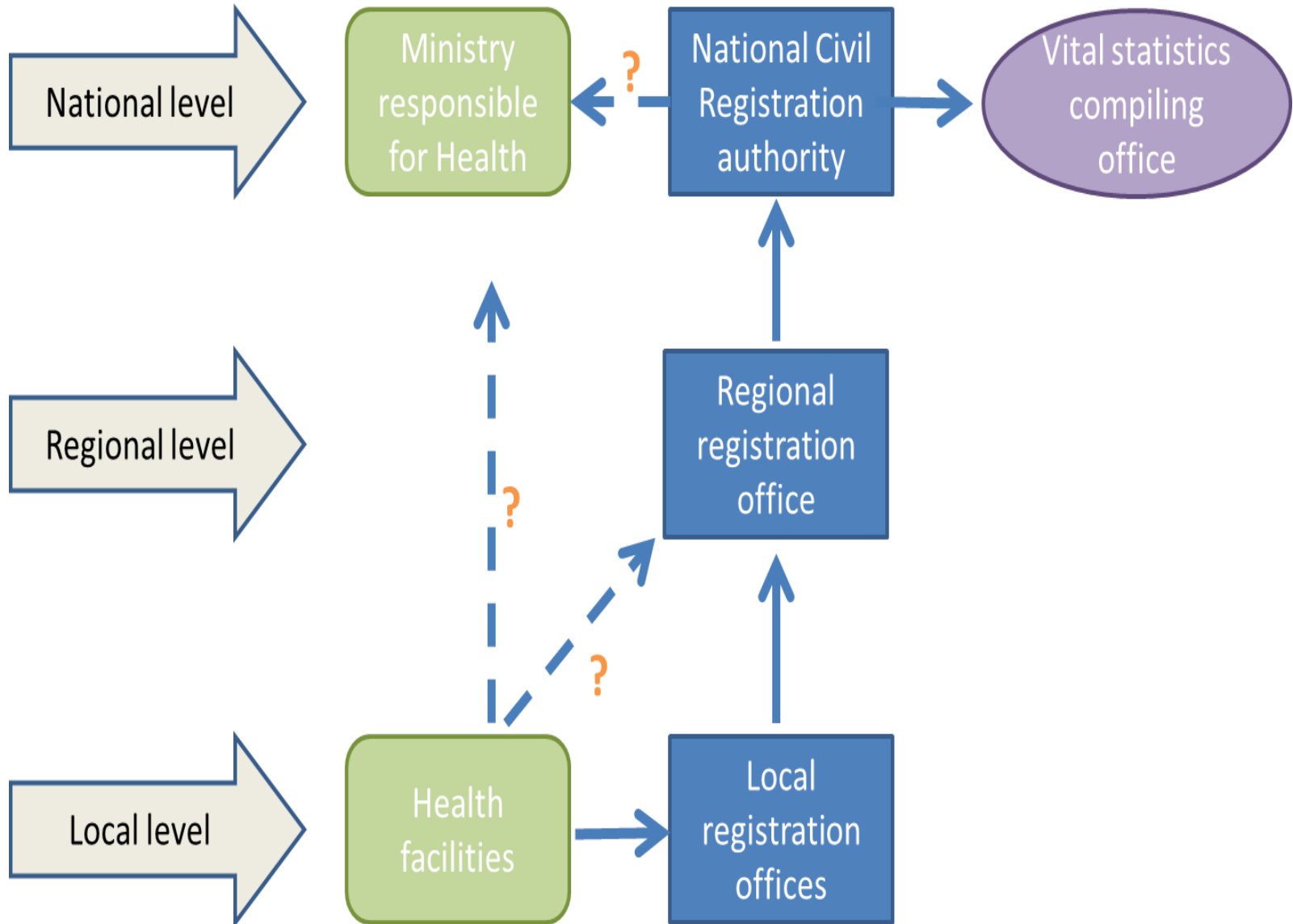
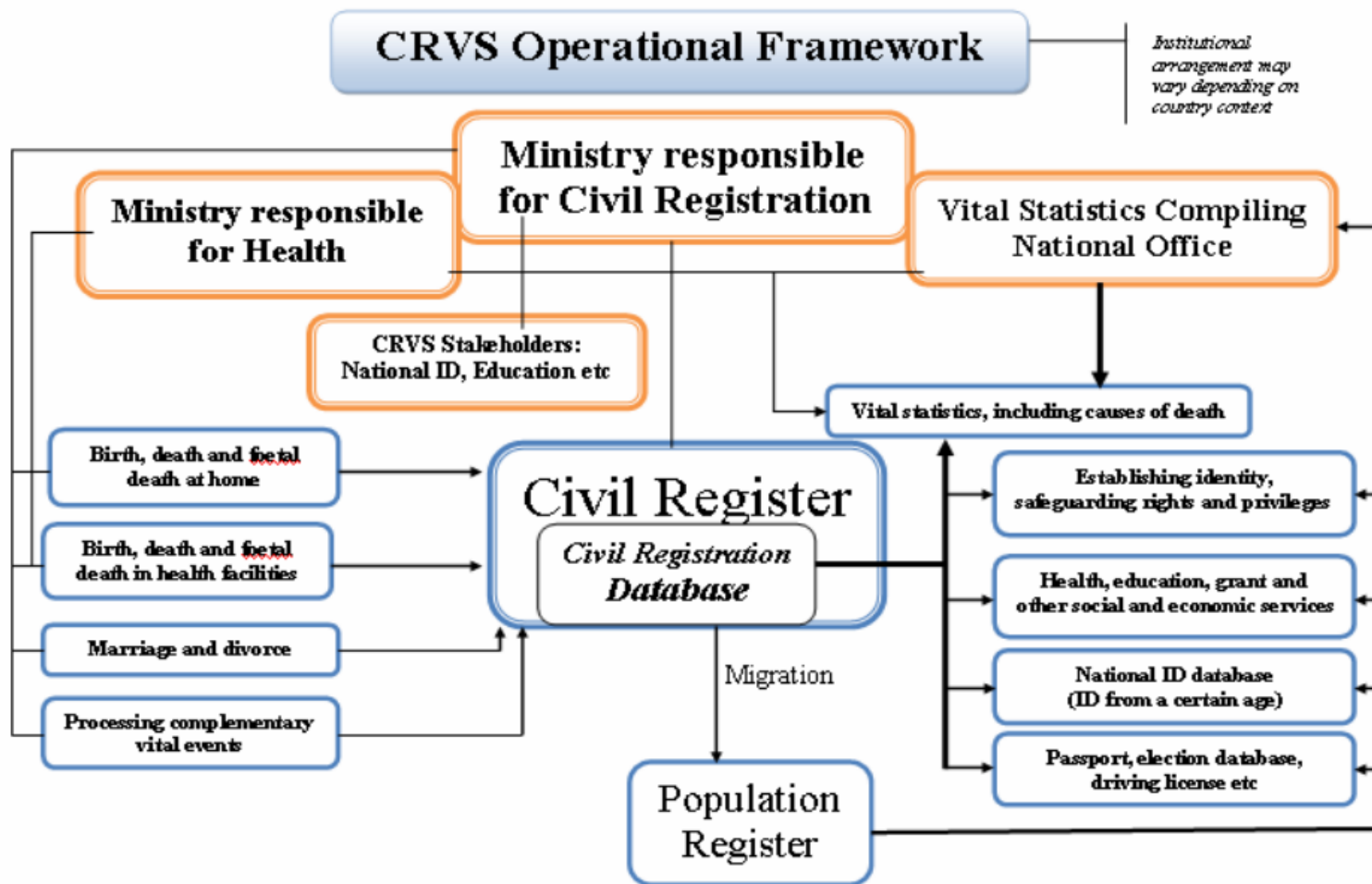


Chart 1: Complete Civil Registration and Vital Statistics Systems and their Multi-sectoral Services and Linkages in a Country



3. Data: quality, coverage and definitions

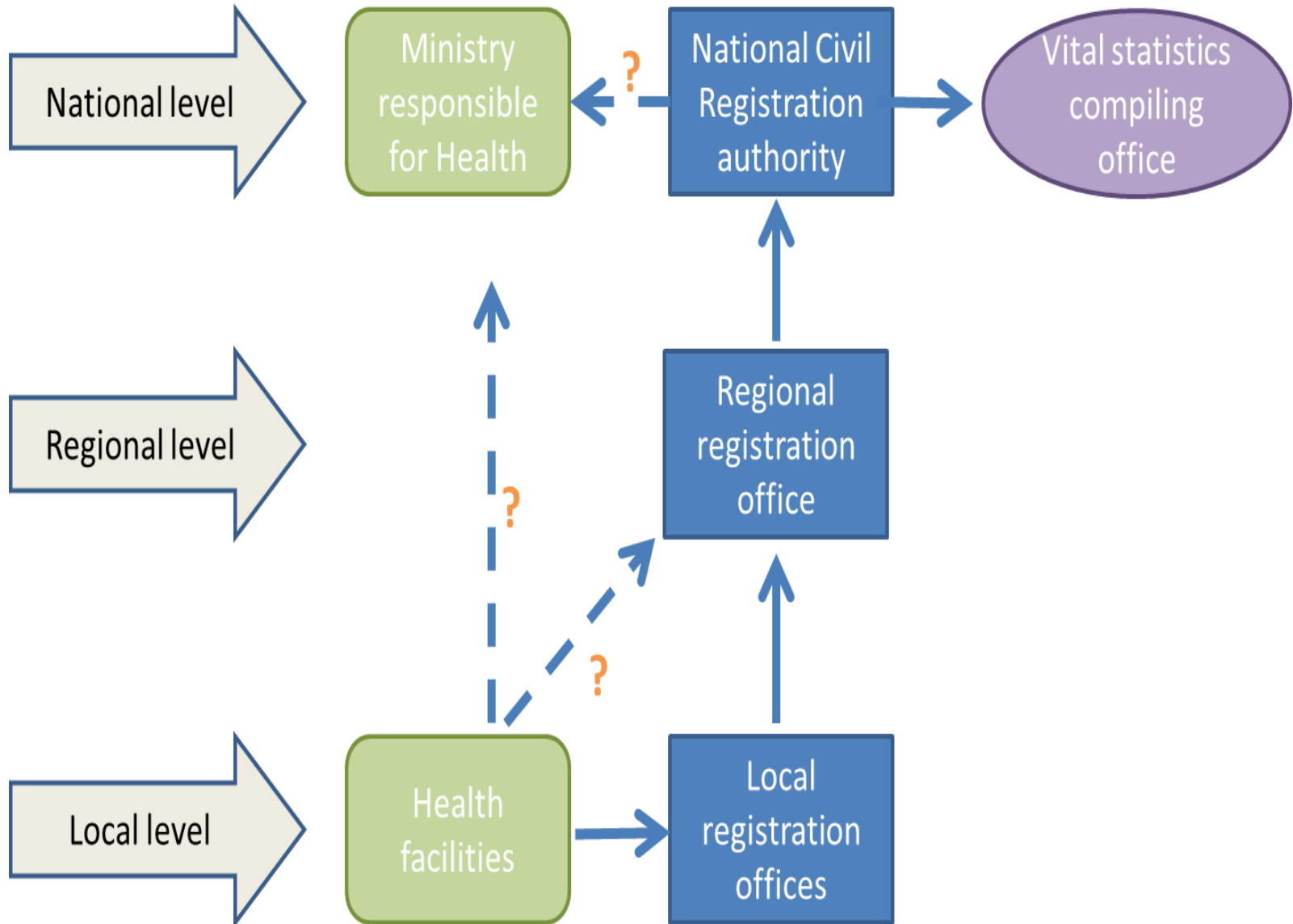
3.1 Quality of data

3.2 Coverage

3.2.1. Coverage by group

3.2.2. Coverage rates over time

Figure 2.1 Possible organizational chart presenting different levels and cooperation partners



4. Births

- (i) Characteristic of the event
- (ii) Characteristics of the newborn
- (iii) Characteristics of the mother
- (iv) Characteristics of the father
- (v) Characteristics of population at risk

Box 18. Tables on live births recommended by UN

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

Box 18. Tables on live births recommended by UN, contd.

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

Table 4.1. Registered live births by place of occurrence, – 201x

	Total	Health facility	At home	Other
:				
2012				
2013				
2014				

Table 4.1. Registered live births by age of mother, 201x

	Total	Urban	Rural
10-14			
15-19			
20-24			
25-29			
30-34			
35-39			
40-44			
45-49			
50+			
Not known			
Total			

5. Deaths

Box 20. Tables on deaths recommended by UN

DE-1 Deaths by place of usual residence and sex of decedent

DE-2 Deaths by place of occurrence and place of usual residence and sex of decedent

DE-3 Deaths by month and place of occurrence and place of usual residence of decedent

DE-4 Deaths by place of registration, month of occurrence and month of registration

DE-5 Deaths by place of occurrence and site of occurrence

DE-6 Deaths by place of usual residence, age and sex of decedent

DE-7 Deaths by age, sex, place of usual residence and marital status of decedent

DE-8 Deaths by place of usual residence, age, sex and educational attainment of decedent

DE-9 Deaths by sex, cause of death, place of usual residence and age of decedent

DE-10 Deaths by month of occurrence and cause of death

DE-11 Deaths by place of occurrence, sex of decedent and type of certification

DE-12 Maternal deaths by cause of death and age of woman

DE-13 Deaths by age and type of usual activity of decedent

Table 5.1 Registered deaths by age and gender, 201x

	Total	Male	Female
0			
1-4			
5-9			
10-14			
15-19			
20-24			
...			
...			
95-99			
100+			
Not known			
Total			

6. Cause of death

Table 8: Top 10 leading causes of death by sex, 2013

Cause (male)		Male		Cause (female)		Female		Cause (both)		Total	
		Percent	Number			Percent	Number			Percent	Number
1	Malaria	11.8	12,721	Malaria	12.8	11,068	Malaria	12.2	23,789		
2	Pneumonia	11.5	12,392	Pneumonia	12.2	10,526	Pneumonia	11.8	22,918		
3	Other Cause	7.9	8,537	HIVAIDS	7.5	6,477	HIVAIDS	7.4	14,465		
4	Tuberculosis	6.7	7,243	Cancer	6.9	5,928	Other Cause	7.1	13,720		
5	HIVAIDS	6.4	6,895	Tuberculosis	6.8	5,869	Cancer	6.3	12,287		
6	Cancer	6.2	6,663	Other Cause	6.3	5,392	Tuberculosis	5.9	11,448		
7	Sudden death	5.2	5,579	Sudden death	5.2	4,523	Sudden death	5.8	11,186		
8	Anemia	3.8	4,088	Anemia	4.7	4,037	Anemia	4.2	8,125		
9	Road traffic accid.	3.3	3,552	Heart disease	2.9	2,493	Heart disease	2.5	4,942		
10	Other accidents	3.2	3,471	Meningitis	2.6	2,270	Meningitis	2.5	4,898		
	All other Cause	34.2	36,991	All other Cause	32.0	27,617	All other Cause	34.2	66,554		
	Total	100.0	108,132	Total	100.0	86,200	Total	100.0	194,332		

Source: Kenya Annual Vital Statistics Report for 2013

7. Summary tables recommended by UN

ST-1 Live births, deaths, infant deaths, foetal deaths, marriages and divorces by place of usual residence

ST-2 Crude birth rate, crude death rate, infant mortality rate by sex, foetal mortality rate, crude marriage rate and crude divorce rate, by place of usual residence

ST-3 Time series of live births by place of usual residence of mother (past 10 years)

ST-4 Time series of deaths by place of usual residence of decedent (past 10 years)

ST-5 Time series of infant deaths by place of usual residence of mother (past 10 years)

ST-6 Time series of foetal deaths by place of usual residence of mother (past 10 years)

ST-7 Time series of marriages by place of usual residence of groom (past 10 years)

ST-8 Time series of divorces by place of usual residence of husband (past 10 years)

ST-9 Times series of vital events in the country (past 10 years)

Table 7.2 Time series of vital rates, – 2014

Year	Crude Birth Rate	Crude Death Rate	Population size	Population growth
:				
2012				
2013				
2014				

Appendices

- Notification and/or registration forms for births and deaths
- Other relevant CRVS forms and documents, including forms for sending aggregate numbers to the NSI

Population size and distribution

- Required to produce health-related and other statistics and indicators that are required to know the population size by age and sex, such as:
 - TFR, IMR, U5MR, MMR, Life expectancy ...
- Data sources for population size
 - Population census
 - Population projections
 - Sample surveys
 - Population register
- CRVS useful - and necessary - for establishing and updating a population register

THANK YOU FOR YOUR ATTENTION