

EU-ARMENIA TWINNING PROJECT

Activity 2.3

Methodology for vital statistics and increased use of electronic data I

Demographic Statistics

Yerevan, 8-12 February 2016





Mandatory result

Mandatory result MR2 related to this activity

Vital statistics improved concerning data collection mechanisms (transition from paper sources to electronic), coverage, timeliness and quality

Benchmarked by

Methodology on vital statistics updated (October 2016)

Improved vital statistics implemented and published (July 2017)



Purpose and expected output of 2.3

Purpose

- Review of data collection and discussion on how to handle electronic data for vital statistics
- Assessment of data quality
- Meetings with data suppliers
- Identification of methods to check/integrate available data and possible new data sources
- Review of survey methodology and legal acts
- Involvement of relevant stakeholders in the discussions

Expected output

Mission report on recommendations for improvement of data quality, methodology and use of data sources.

A lining up of work programme for the next activity on vital statistics (2.5 is scheduled to September 2016)



Conclusions -undercoverage

More in depth analysis of census data could highlight areas of the country where undercoverage of birth and death registration is higher.

Elaborations are in progress

→ Input to the Interagency WG

Alternative source of information:

Information at the community level



Conclusions-new data acquisition procedure

The process towards the on-line acquisition of electronic data is being monitored:

- Comparing paper and electronic data results
 - High level of consistency
- Analysing data on causes of death, as coded by the local medical doctors and by the NSSRA expert
 - Only around 20% perfect correspondence



Conclusions-documentation and other improvements

- A technical document describing the statistical process behind birth and death statistics is going to be drafted.
- The opportunity to improve some steps was considered, namely:
 - Data editing and imputation of missing values
 - Data analyses



Recommendations

- To provide the interagency WG with evidence about districts where actions to raise awareness on birth and death registration should be considered as a priority
- To propose materials and initiatives (visual aids, training sessions, web-site pages) to inform civil register officials about the importance of statistics based on civil registrations
- To exploit alternative sources of information on undercoverage in rural areas



Recommendations

- To continue comparison on causes of death, based on the results of the pilot phase starting February 2016
- To complete the technical document on birth and death statistics
- To strengthen IT skills and capacities in data treatment and demographic analysis for different target groups
- To ensure a reliable and stable internet connection for data download
- To consider a change in the tasks of local NSSRA staff working on vital statistics



Road map and time plan

Next mission on vital statistics in September 2016

- Practical seminars on data imputation and demographic analysis
- Meeting with the Ministry of Health on quality of the coding of causes of death
- Actions to raise awareness about vital statistics



Road map and time plan

NSSRA is expected to:

- Compare the different coding procedures for causes of death in the pilot areas (on monthly basis)
- Prepare awareness material for civil registration officials (30 April)
- Interview community secretaries about undercoverage in birth and death registrations (31 May)
- Finalize the document on data processing for births and deaths (15th June)
- Finalize the request to the Ministry of Justice about the new variables to be transmitted to NSSRA (SSN and country of birth) (31 August)
- Make a list of possible different target groups to be trained (before next mission – end September)