

# EU-ARMENIA TWINNING PROJECT

## Activity 2.5

*Methodology for vital statistics and increased use of electronic data II*

## Demographic Statistics

Yerevan, 31 October – 4 November 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 (November 2016)

Improved vital statistics implemented and published (July 2017)



# Purpose and expected output of 2.5

## Purpose

- Review of data collection and discussion on needed revisions
- Continued review of methodology
- Meeting with users of vital statistics

## 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 final activity on vital statistics:

- 2.8: Follow-up on achievements and recommendations for the future (May 2017)



## Conclusions

Updated methodology on vital statistics is in place.

- As an awareness initiative, calendars for local registration offices have been realized and are going to be distributed in agreement with the Ministry of Justice.
- The agreement with Ministry of Justice about the new variables to be transmitted to NSSRA is proceeding, but not yet finalized.
- The new electronic system for data acquisition is in place, but some fine tuning is still needed.
- The coding of causes of death is going to be carried out by local medical doctors by the beginning of 2017. Results in test areas show a break in series that raises some concern.



## Conclusions

- Interviews monitoring the under coverage of birth and death registrations on community level to evaluate the size and territorial distribution of missing registrations. Community secretaries have reported the issue of missing registrations only in some areas, and for few cases.
- Two comprehensive documents on data sources and statistical processing of birth and death data have been finalized.



# Conclusions

Two training sessions have been held:  
on *data imputation* and on *data analysis*

- The staff of the Population Census and Demography Division actively participated in both of them.
- During the first session, main features of a software for data validation were presented.
- The second session concerned tools for demographic analysis and a discussion on interpretation of some of the main demographic indicators.



## Recommendations

- To continue awareness initiatives with a seminar addressed to civil registration officials
- To discuss with the Ministry of Health about consequences and possible solutions related to the change in the coding of causes of death (from centralized to decentralized coding)
- To plan annual update and, if needed, integration of the documents on the production of vital statistics
- To periodically monitor the undercoverage on vital registration



## Recommendations

- A workshop on the application of data check, correction and imputation methodologies to real data would help to improve staff capabilities.
- The use of specific software could be introduced, with a gain in efficiency and in data quality.



## Recommendations

- As for publications, main points for improvement are:
  - Harmonize the length of time series and classifications (e.g. Age classes)
  - Elaborate new variables (e.g. Place of occurrence of death; birth order)
  - Use maps to represent territorial distributions
  - Expand the comment and the use of indicators, and highlight the main findings
  - Include links to metadata, databases, and related publications
- Publication of demographic data and indicators should be aligned with the new strategy on dissemination



## Road map and time plan

In view of next (and last) mission in May 2017, NSSRA is expected to:

- Finalize the agreement with the Ministry of Justice on new variables to add
- Find an agreement with the Ministry of Health on how and how long monitor the new coding system before leaving the previous one
- Prepare documents on data sources and statistical processing of data on marriages and divorces
- Prioritize activities on seminars and training
- Review the publications adopting the suggested points for improvement