

Session 7

Evaluating the Quality of Vital Statistics

**SECOND REGIONAL WORKSHOP ON PRODUCTION AND
USE OF VITAL STATISTICS**

2 – 6 December, 2013

Daejon, Republic of Korea

A. Quality assurance and assessment

Quality assurance

- steps taken at each stage of civil registration and vital statistics systems to ensure that all vital events are:
 - ✓ registered without duplication,
 - ✓ accurately recorded, and
 - ✓ compiled and processed into vital statistics correctly and timely

A. Quality assurance and assessment – basic framework

Quality assurance

- should be conducted on the regular basis
- considered an integral part of civil registration and vital statistics systems
- Who are responsible for quality assurance?
 - persons working with different aspects of civil registration and vital statistics systems

A. Quality assurance and assessment – basic framework

Quality assessment

- refers to specific studies that aim to answer specific questions on the quality related to the civil registration and vital statistics systems
- questions :
 - ✓ coverage of registration of a vital event at the country level or in a smaller area;
 - ✓ accuracy of one of the variables recorded or published
 - ✓ overall status of civil registration and vital statistics country level systems

A. Quality assurance and assessment – basic framework

Quality assessment

- Who is responsible for the establishment and execution of methods of assessment?
 - independent agency capable of undertaking evaluation
- close collaboration and cooperation between the agency conducting the evaluation and the registration office is essential

A. Quality assurance and assessment – standards

- quality of data may be measured according to completeness, correctness, availability, timeliness and international comparability

(a) Complete registration

- ✓ exists when every vital event that has occurred to the members of the population of a particular country (or area), within a specified time period, has been registered in the system, i.e., has a vital event registration

A. Quality assurance and assessment – standards

(b) Correctness or accuracy of registration

- ✓ means that data items for each vital event on the vital record have been accurately and completely filled in,
- no response errors and no missing items

“content error” – measures any deviation from correctness

A. Quality assurance and assessment – standards

(b) Correctness or accuracy of registration

✓ In registration-based vital statistics,
accuracy means

- data items in the statistical report have been accurately and completely filled in
- no errors have been introduced during transcription of data, or during processing stages (coding, editing, imputation and tabulation);