

**WORKSHOP ON ICD-10
Certifying and Coding**

Ministry of Health / WHO-Euro / PAHO

ΚΥΠΡΟΣ

26-30 April 2004

1st Session

Introduction – Uses of mortality data



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“The causes of death provided on death certificates are the most important individual sources of statistics on diseases, at national, regional and local levels, available for the whole population”.

(Editorial, AJPH, 77(2):137-139)



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MORTALITY SOURCES OF DATA

- **Databases**
- **Death Certificate: non processed variables (time), not used information / codes (signs, symptoms. ill-defined)**
- **Medical records: lab results, treatment, procedures**
- **Verbal Autopsy: redoing all the history**

Coding is needed for everyone



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USES OF MORTALITY DATA

1. HEALTH SITUATION ANALYSIS

- **WHO (SEX, AGE), WHEN, WHERE, WHAT CAUSE(S)**
→ HOW LONG AND HOW THE PEOPLE LIVE
- **HEALTH (INDIRECT) INDICATORS**
 - **CRUDE MORTALITY RATE**
 - **LIFE EXPECTANCY / IMPACT OF THE CAUSES**
 - **INFANT MORTALITY RATE**
 - **MATERNAL MORTALITY RATE/RATIO**
 - **YEARS OF POTENTIAL LIFE LOST**
 - **SPECIFIC RATES (CAUSE, SEX, AGE)**
- **MORTALITY DATA: MAIN INSTRUMENT TO IDENTIFY:**
 - **PUBLIC HEALTH PROBLEMS**
 - **GROUPS AT RISK**
 - **NEEDS OF MEDICAL AND PUBLIC HEALTH RESEARCH**
- **LEADING CAUSES OF DEATH - PRIORITIES**



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USES OF MORTALITY DATA

2. EPIDEMIOLOGICAL SURVEILLANCE

- MAIN OR FIRST SOURCE OF DATA FOR SOME DISEASES OR CONDITIONS
 - HIV/AIDS
 - YELLOW FEVER
 - RABIES
 - ACCIDENTS AND POISONING
 - VIOLENCE
- USE AT LOCAL LEVELS
 - LIST OF DIAGNOSTIC TERMS (PARALYSIS, IMMUNODEFICIENCY)
 - INVESTIGATION
 - CONFIRMATION OR CHANGE: CHECKING WITH STATISTICS
 - SPECIFIC ACTIONS
- GROUPS OF POPULATION
 - WOMEN (MATERNAL MORTALITY)
 - CHILDHOOD
 - ADOLESCENCE
 - ELDERLY



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USES OF MORTALITY DATA

3. EVALUATION / INVESTIGATION

- QUALITY AND RESULTS OF HEALTH CARE
 - MATERNAL MORTALITY
 - CASE FATALITY RATE
 - SURVIVAL
- HEALTH PROGRAMS, SPECIFIC DISEASES / CONDITIONS
 - VACCINE PREVENTABLE
 - TUBERCULOSIS
 - DIABETES
 - CHOLERA
 - HYPERTENSION
 - ISCHEMIC HEART DISEASES
 - NEOPLASMS
 - ACCIDENTS AND VIOLENCE
- TECHNOLOGY
 - CASE FATALITY RATE (ACUTE DISEASES)
 - SURVIVAL (CHRONIC DISEASES)
 - NEOPLASMS
 - HIV/AIDS
- RISK FACTORS / MULTIPLE CAUSES / LINKED CAUSES



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