

## SOME COMPUTER-AIDED SYSTEM FOR THE MINISTRY OF HEALTH

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Main profile of the *Application Department*:

developping information systems for some ministries to give help to administration and to dicision making.

In connection with the *Ministry of Health* we have three important fields:

- I. Management systems of health.
- II. Patient care systems.
- III. Methods and methodologies to evaluation of medical data.

### *I. Management systems of healt*

1. Complex system for the investigation of morbidity in Hungary (KOMOV).

Data base (90%, HwB 66/20, IDS I, national survey).

Beginning: 1978

Working system: 1981

2. National Information System of Child Health (OGYIR)

Beginning: 1979

Model-experiment in district guided by the Ministry of Health (Dept. IV.)

Working model: 1982 .

3. Model-experiment: a computer aided mass screening system of pulmonary diseases

Beginning: 1979

Working system: 1982

## *II. Patient care systems*

1. Computer-aided Planning System in Radiotherapy.  
Since 1979: Nationwide Working system with six terminals.

2. Hospital Information system (model in military hospital)

Beginning: 1978

Working: 1980

3. National Registration and Analysing System in Children's Leukaemia

Working System 1979

(Interactiv programs analyse the survival tables with the logrank test.)

## *III. Methods and methodologies to evaluation of medical data*

### Methods:

1. Program system for the multicatorial investigation of national surveys (PERINAT)

Developed: 1972-80

First application of large size: The investigation of the new-born population in Hungary (representative sample: 30.000 cases).

*Figure 1.*

2. Programs for analysis of psychological tests.
  - a.) Rorschach test
  - b.) Szondi test
3. WHO standards on computer HwB
4. Creating unified code-system in psychology and interval medicine in cooperation with the corresponding institute of health.

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#### ÖSSZEFOGLALÁS

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Az előadás olyan egészségügyi alkalmazásokról ad tömör tájékoztatást, amelyek az Egészségügyi Minisztérium vagy valamely országos egészségügyi intézmény megbízása, ill. közreműködése alapján realizálódtak.

#### СОДЕРЖАНИЕ

Доклад кратко информирует о таких применениях, которые были реализованы на основе заказа и с участием Министерства Здравоохранения или некоторого всевенгерского учреждения здравоохранения.