HEALTH MANAGEMENT INFORMATION SYSTEM

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Health information system is that system in which collection, utilization, analysis and transmission of information is done for conducting health services, training and research.

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- To provide reliable, latest and useful health information to all levels of health officers and administrators.
- To amend health policies and working system on the basis of feedback, received from health information system.
- To provide information about periodically and time bound programmes and for mid term evaluation.
- To contribute towards achievement of objectives of health policies and programmes.
- To increase efficiency and quality in health management.

Characteristics

According to WHO,

- The information should be problem oriented.
- Information should be population based.
- Functional and directorial wording should be used.
- Information should be expressed in short and in imaginative form (graphs, chart, table etc).

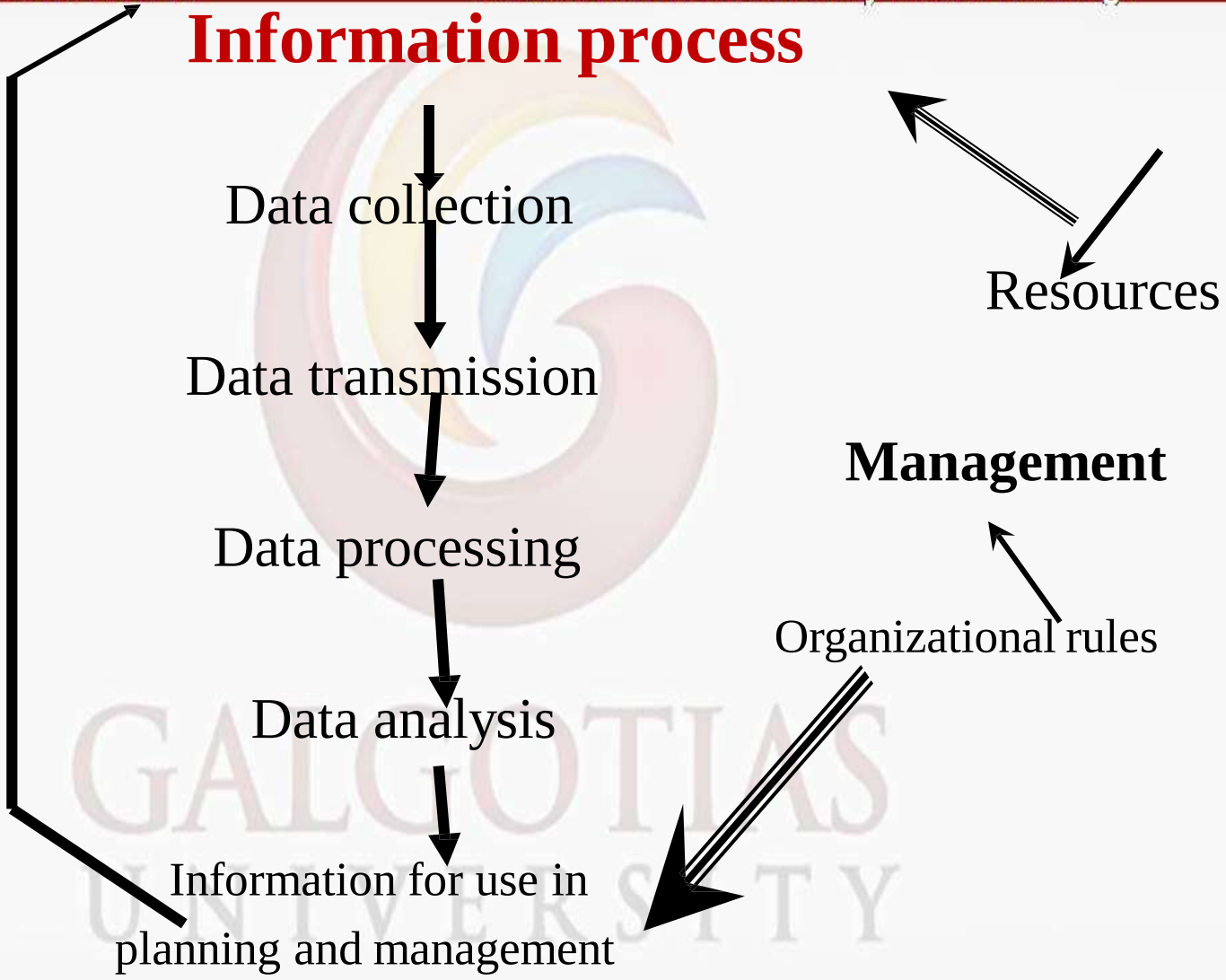
Characteristics

- Facility for data feed back must be present in health information system.
- Latest technology should be used in health information system.
- Unnecessary figures or data should not be present in information system.
- For information management, organizational structure must be present.

Domains/fields of health information system

It includes demography, vital statistics, health system input, output, health determinants, health economics, health status, health infrastructure, resources and outcome, financial statistics, environmental health statistics.

Information process



- Census
- Registration of vital events(birth, death, marriage etc)
- Notification of diseases and disease registers.
- Records and reports of hospitals
- Statistics regarding environmental health.
- Statistics regarding health resources and services.

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- Sample survey(national sample survey organization)
- Population survey
- Statistics regarding efforts to check epidemiological diseases and researches in this field.
- School record
- Economic planning
- Plans of social security

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Problems or constraints of HMIS in India

1. Structural

- Multiplicity of institutions and departments
- Fragmentation of data.
- Lack of infrastructural facilities for storage and maintenance of records.

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Problems or constraints of HMIS in India

2. Procedural

- Excessive information
- Encryption/hidden issues
- Exhaustive information, seldom used.
- Overburden of collection and recording of data along with General health care.
- Incomplete, unreliable and intentionally managed information.

Problems or constraints of HMIS in India

2. Procedural

- Repetition of general information
- Inappropriate forms/cards/reports
- Less interest of users in information
- Time consuming procedure
- Confusing coding, long list of indices
- Absence of feedback to information suppliers.

Problems or constraints of HMIS in India

3. Related to content

- Mostly service utilization statistics.
- Only summarized information reaches at higher level.
- Less emphasis on socioeconomic information.
- no user friendly

Problems or constraints of HMIS in India

4. Related to human resource

- Absence or lack of skilled medical record professionals
- Lack of opportunity for in service training for the staff.
- Health care providers/nurses/biomedical trained persons are collecting and preparing data.
- Lack of motivation/extra incentives

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Thank You