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ELECTRONIC INDOOR MORBIDITY MORTALITY REPORT
A realistic approach to discharge data collection and analysis

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The discharge data of patients and their aggregates compiled and presented as the Indoor Morbidity and Mortality Report, has long been the main source of clinical related information in Sri Lanka.
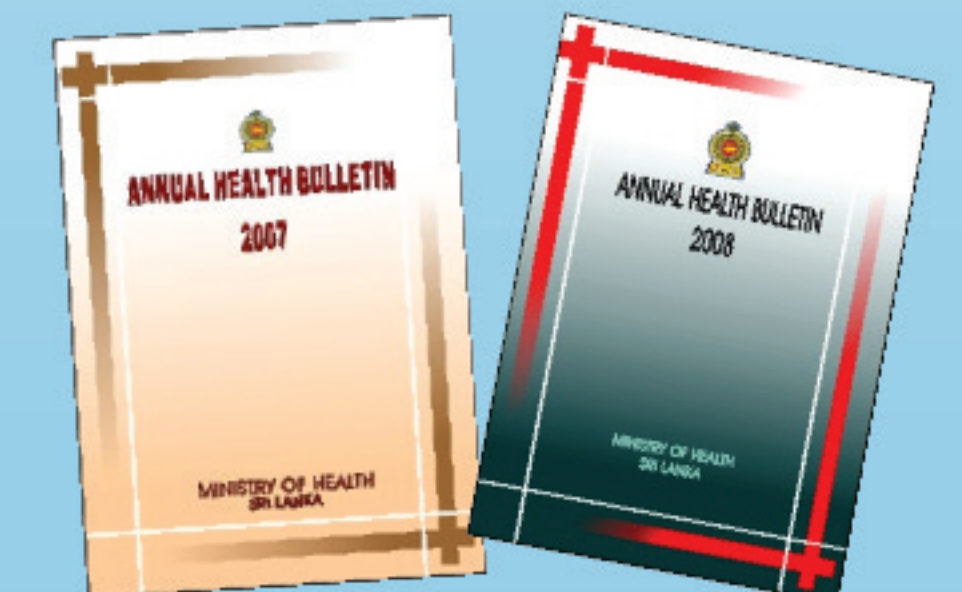
The Manual System

At present the Indoor Morbidity Mortality reporting is manual and paper based.
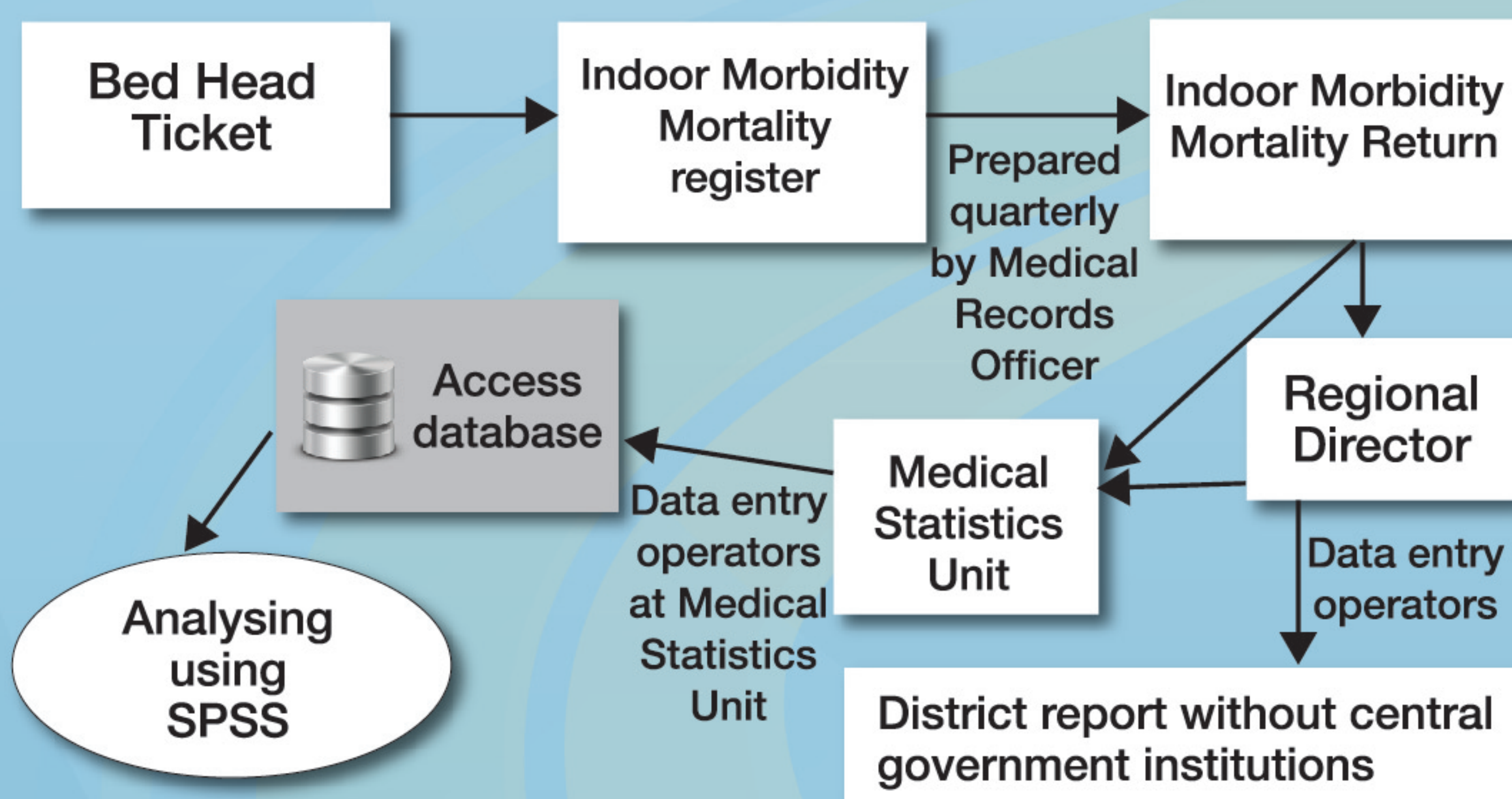

Drawbacks of This Manual System

- Non availability of up-to-date/real time data
  - *Delays of data entering*
- Customized data cannot be acquired
  - *Data is reported in fixed formats with defined age groups and disease categories.*
- Time taken for analysis and for preparation of reports is high.
- Only conventional data presentation methods are being used.
- Difficulty in sharing of analysed information.
- Analysis for non routine information requirements is not entertained.
- Non traceability of analysed data to its origin.
- Loss of user reliability and dependability on generated reports.

Electronic Indoor Morbidity Mortality Report

The new system is developed by preserving the existing system architecture and functionality,
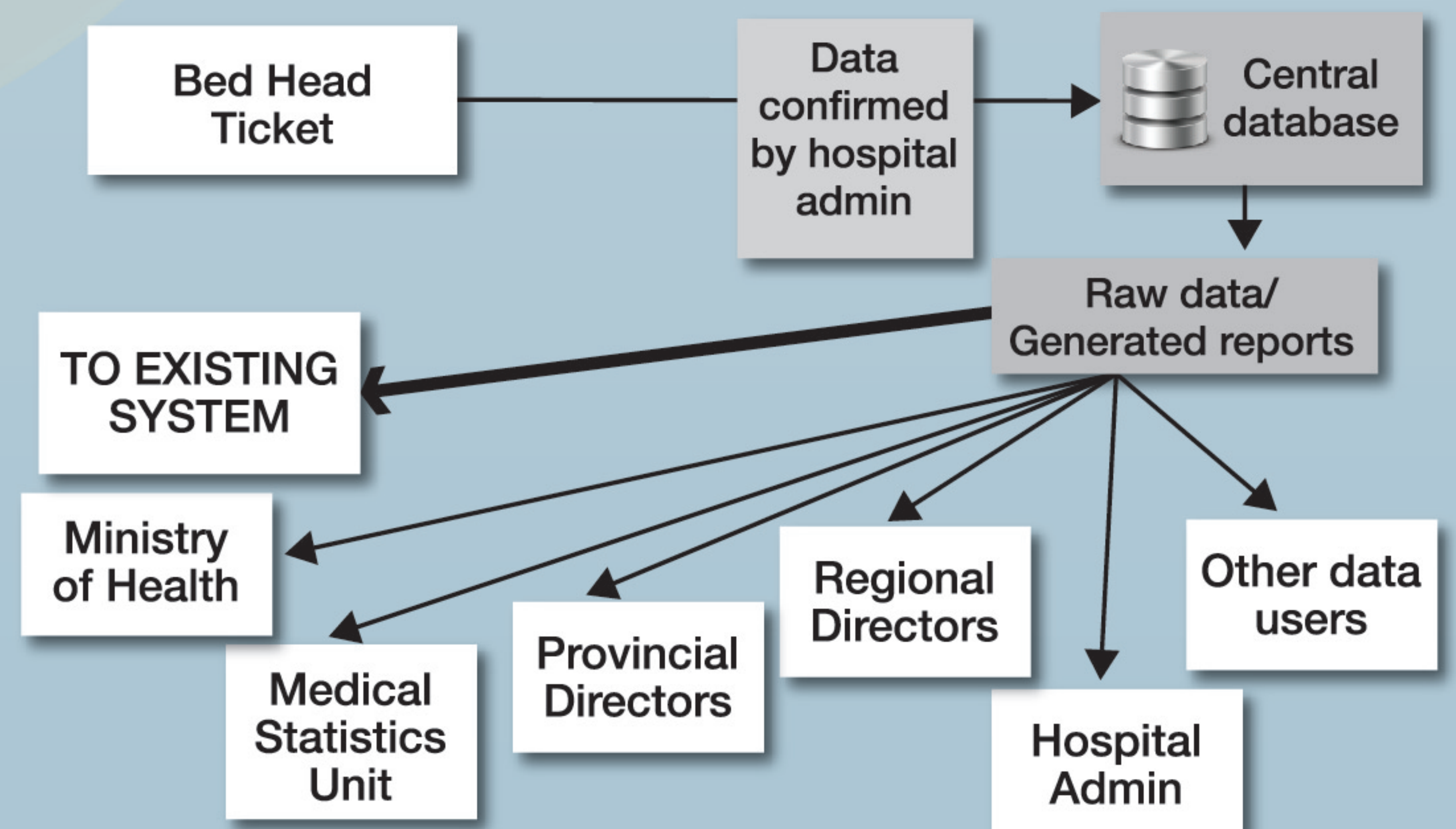
Advantages of the eIMMR

- Timeliness -
  - *Web based system with single point of data entry - no "quarterly" concept.*
- Accuracy
- No repeated data entry
- Data validation
- Compulsory fields – *No incomplete data*
- Availability of raw data - *Multiple analytical options*
- Easy Information Sharing
- Cost Effectiveness
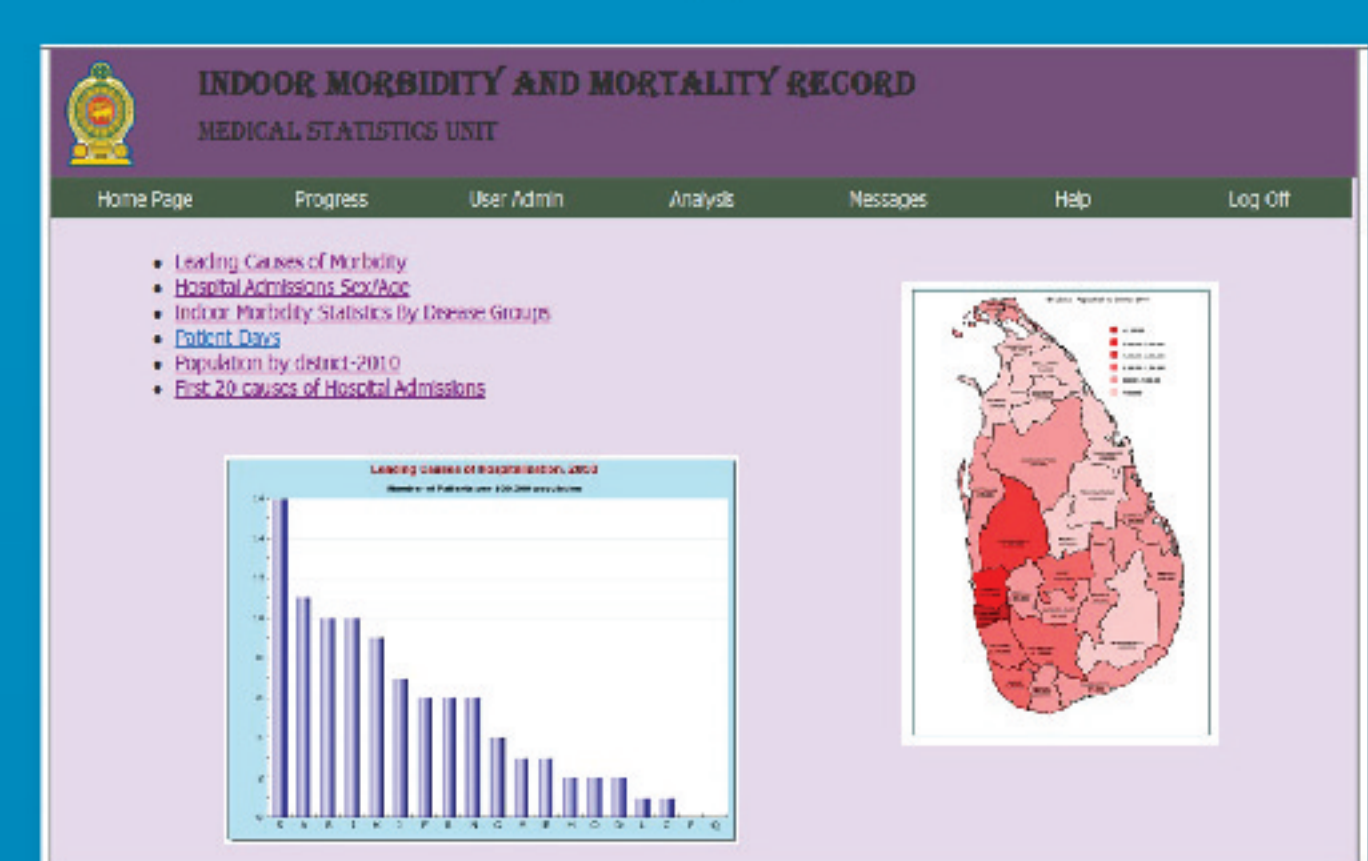- ** Calculation of Patient Days per Disease

Technological Aspects

- PHP - scripting language
- MySQL- the database
- LAMP (Linux, Apache, Mysql and PHP) stack,
- Windows platform with Apache and PHP is also possible.

Implementation and Future aspects

- Pilot Project started in seven major Hospitals.
- Gradually implement in other hospitals.
- More data analysis features.
- Private Sector Data.
- Health Information Number
- Possibility of entering postal codes

Monitoring

Data Entry

Analysis