

South Caucasus Health Information Project

Data Security and Confidentiality

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Data Security

Protecting data from —

- Power and equipment failures
- Software failures
- Errors and vandalism by users
- Viruses
- Unauthorized users

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Power and Equipment Failure

- Uninterruptible power supply
- Surge suppressors
- Two hard disk drives
- Database backup and restore
- Transaction journaling

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Software failures

- Error log
- Database integrity check
- Database backup and restore
- Roll forward recovery from transaction log (coming feature)

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Errors and Vandalism by Users

- Transaction audit log
- Data validation
- User login authentication
- User roles and capabilities
- Restricted physical access to the server

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Viruses

- Stand alone network
- Linux operating system
- No Windows shared drives on the server
- Only HIS application software on the server

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Unauthorized Users

- User login with password
- Tailored menus
- Audit log
- Wireless encryption protocol
- Physical identification of computer clients
- Restricted physical access to server and computer clients

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Data Confidentiality

Releasing data to authorized users only

- User login authentication
- User roles and capabilities
- Tailored menus
- Audit log
- Data access permissions applied by facility and user login

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Admission Discharge Transfer Entry

Patient name:

Case: | Admission | Diagnosis

Registering facility: 0107500950 District General Hospital

Case register: SA

Case number: 13

Case status: Open

Case note: Confidential

Facility access: 0107500950 District General Hospital

User access:

Admission Discharge Transfer Entry

Users who have been given permission to access to data in entry care facility are not able to view or to change data in another unless they are given special permissions. The reporting facility is determined automatically by means of the user profile.

This module is used to enter patient admissions to and discharges from an acute care facility. Moreover, transfers from one ward or bed to another can also be entered. Data entered in this module are added to a patient's history.

The screen shows two rows of buttons. Beneath the Patient name, are a choice of page buttons or tabs. Data on the Case page must be entered before a admission data can be entered. Discharge and transfer data can be entered once an admission has entered.

At the bottom of the screen are buttons that control different activities.

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