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MODERN METHOD OF PRESCRIBING

PRESCRIBER:

- The prescriber, generally a clinician or health care staff, are defined as the electronic prescribing system user and sign into the system through a verification process to authenticate their identity.

- The prescriber searches through the database of patient records by using patient-specific information such as first and last name, date of birth, current address etc.

- Once the correct patient file has been accessed, the prescriber reviews the current medical information and uploads or updates new prescription information to the medical file.

TRANSACTIONHUB:

- The transaction hub provides the common link between all actors (prescriber, pharmacy benefit manager, and pharmacy).

- It stores and maintains a master patient index for quick access to their medical information as well as a list of pharmacies.

- When the prescriber uploads new prescription information to the patient file, this is sent to the transaction hub.

- The transaction hub will verify against the patient index.

- This will automatically send information about this transaction to the PBM, who will respond to the hub with information on patient eligibility, formulary, and medication history back to the transaction hub.

- The transaction hub then sends this information to the prescriber to improve patient management and care by completing and authorizing the prescription. Upon which, the prescription information is sent to the pharmacy that the patient primarily goes to.

PHARMACY:

- When the pharmacy receives the prescription information from the transaction hub, it will send a confirmation message.

- The pharmacy also has the ability to communicate to the prescriber that the prescription order has been filled through the system.

- Further system development will soon allow different messages such as a patient not picking up their medication or is late to pick up medication to improve patient management.

TYPES OF ELECTRONIC PRESCRIBING SYSTEMS:

1. ServeRx system
2. Meditechsystem

1.ServeRxsystem:
ServeRx which was being introduced to a general surgical ward at Charing Cross hospital. ServeRx is a closed-loop system, comprising the following three elements:
1. Electronic prescribing, scheduling and administration software;
2. Ward-based automated dispensing;
3. Electronic drug trolleys.

2.Meditech system

- Electronic Prescribing at Queen's Hospital was part of the wider Meditech Hospital Information System (HIS) .

- Medical notes were maintained in the traditional paper format but all other records were made and stored electronically.

Overview of the   meditech system