AUROLY OUTPATIENT DATA MANAGEMENT SYSTEM

INTRODUCTION

In this chapter we shall be discussing the input output analysis of the system. The input data will be from various sources in the system like the receptionist, nurse at the triage, doctor lab and at the pharmacy. Some inputs serve as the output at the next station.

INPUT ANALYSIS

Input data will be entered by users from different offices. The data will be entered and sent forward and used at the next office.
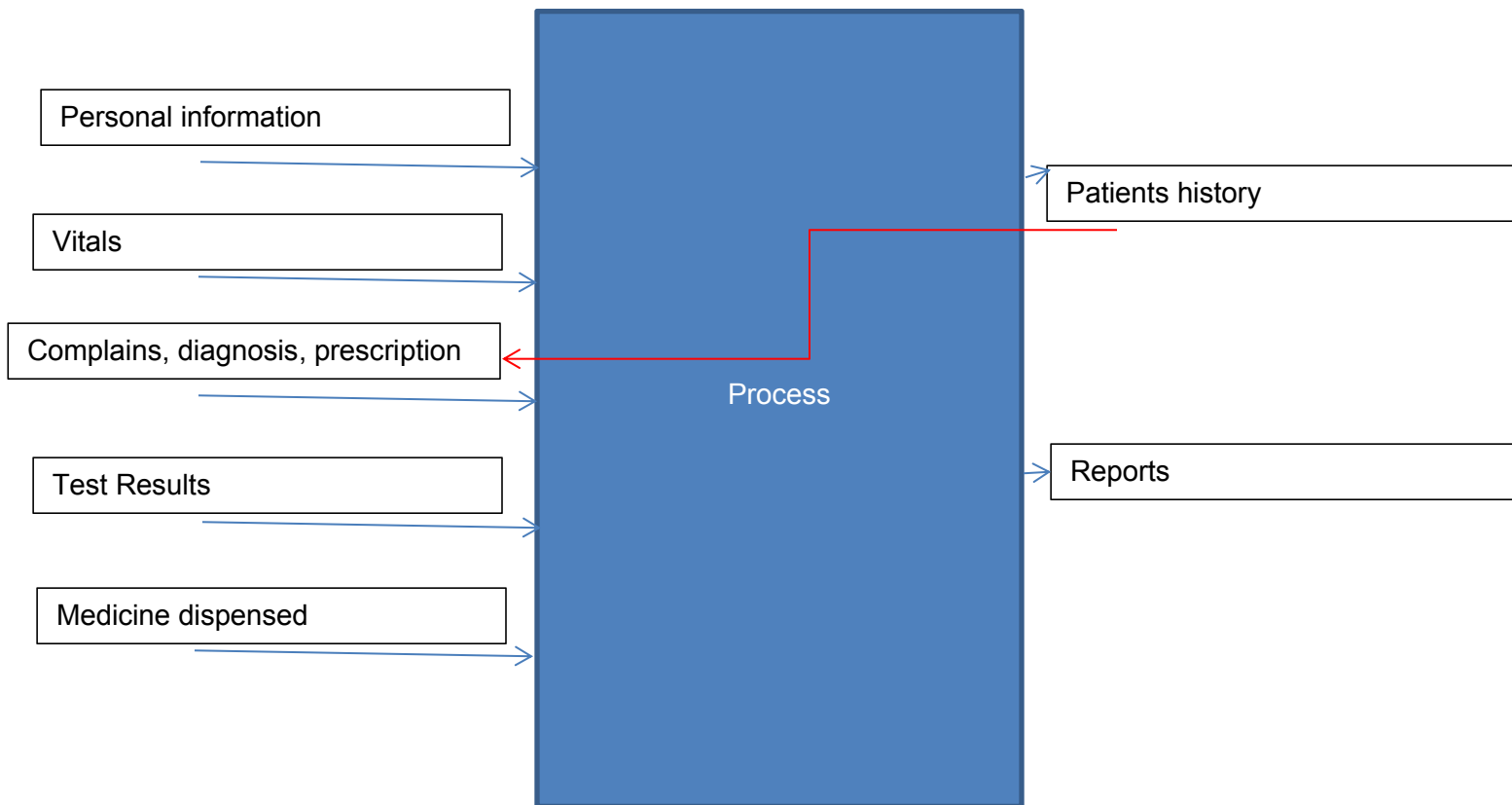
Personal details are entered at the reception and will be used to identify the individual at the different stages of treatment.

Triage results give the vital information on the health status of the patient like temperature, blood pressure, BMI, sugar levels.

Doctor enters the patient's complaints about possible tests to be taken, diagnosis after reviewing the lab results and the prescription of drugs to the patient.

The lab gets the tests to be taken and after undertaking them post it back for review by the doctor.

Pharmacy staff get the prescriptions to be administered to the patient and dispense them after ensuring the patient is not allergic to any substances the drug is made of.

| Personal information |
| Vitals |
| Complains, diagnosis, prescription |
| Test Results |
| Medicine dispensed |

Process

| Patients history |
| Reports |

OUTPUT ANALYSIS

This is the data to be produced by the system on request. this may be data input by the user or from processes in the system that convert them to relevant information,

1.Reports

The system is expected to generate reports on demand and at some intervals. This reports may include :

A．Number of patients treated in a day

B．Patients with different diseases enable early detection of disease outbreaks.

C．Demographic distribution of patients

2. Patients treatment history

The system should be able to provide reports on a patient's medical history. This will help the doctor get a comprehensive history and hence make informed medical choices and medication to administer to the patient.

3. Personal information

The system should be able to provide personal information on the patient when needed and ensure they can be viewed only by authorized users.

4. Drugs dispensed

The system should be able to give a comprehensive report on drugs dispensed and hence give timely alerts on stock levels when they are finishing.

PROCESS ANALYSIS

When data is entered from a user's end the data is processed and produced as reports or as information for the next step.

Data will be processed at different levels in the system. Some will be displayed in the same first and others will be derived from the data.

1．Report Generation

This is derived information from the data entered over a period of time. These reports are like the number of patients treated in a day or those of diseases diagnosed and treated over a period of time.

2．Patient information retrieval

The data of patients' medical history is stored in the system and on request these information is generated and posted for viewing using a specified format.

CONCLUSION

In summary the data entered by the users are processed and displayed as outputs for other users to use.