

D.6.2. Generic Systems Functionalities

Generic Systems Functionalities are those technological functions, i.e. related to systems design that are pertinent and common to all applications modules.

- Look up patient record using phonetic search. System should support phonetic searches when the name entered for search has phonetic equivalents. The system should support searches in multiple languages. (23)
- Menu driven screens. The system should have the ability to move back and forth through a set of screens using menu selections, ideally using a graphic user interface environment (GUI). (24)
- The system should have a flexible screen builder facility to allow design and customization of screens, determination of the sequence of screens, placement of fields on a screen, type of controllers used (button, pull-down, toggle, etc.) and the definition of field edits, labels, and echoes. (25)
- Edit capability for screens. Screen builder should allow definition of field edits and default data to allow data to be directly edited on entry. (26)
- Passwords, levels of access, and privilege facilities. System must have a transaction audit tract that maintains the identification and a record of authorization, utilization (transactions), and changes related to system's users. (27)
- Embosser and/or barcode card/labels print/reprint. Vendor should support interface to common embossing and barcoding machines so that patient cards for embossing and scanning can be created. (28)
- Dictation tracking - type, edit, review, etc. The system should allow the dictation to have several different formats. The users need a preliminary, final, duplicate, and addendum notification to print on the reports. The system should also provide error correction editing and also track before and after copies of any final report that is edited. (29)
- Integration with other modules. Integrated as appropriate or feasible with modules such as all nursing applications, general ledger, diagnostic and procedure categorization for payment (e.g., DRG management), billings/accounts receivable, executive support system, and payroll/personnel systems. (30)
- Message communication. Allows the users to communicate with other units and departments through functions that create and transmit messages, such as e-mail systems. (31)