

ABSTRACT

This project examines and analyses the existing system and development of the data base system to assisting Physical check-up record system for external services to improve the quality/accuracy of data and tractability system of Physical check-up record system for external services.

A survey of location studies was conducted to identify the major considerations of location analysis and to develop a hierarchy of factors in locating of Physical check-up for external services at Navanakorn Hospital. The computer data collection based integrates an object-oriented expert system with other modeling tools, such as a database system and system development life cycle (SDLC). The system incorporates subjective evaluations for development the data record of Physical check-up system for external services with objective, reducing the working processes time and more accurate data record and linkage with the internal data-base of Physical check-up record system. The system also makes transparent the justification for doctors to recommendations in the Physical check-up report.

System evaluation was accomplished to test the accuracy of record and working processes time. The results of the system evaluation suggest that the system performs accurately and satisfactorily according to the design specifications and objectives.