

A. ~~Clinical value~~ Value (Review weight: 35%)

I. Application value and benefits

Describe the technology's application value and evaluate the benefits it provides to users.

(I) Practical value of technology

In the past, our process for preparing a health checkup comment report was as follows: After a person completes a health checkup, all data was imported into the HIS system (including LIS test results, PACS reports from the radiologist and cardiologist, physical examination results, other basic information such as height/weight/vision/intraocular pressure, and medical history) and the medical information system would first generate comment segments for each abnormal result. The health checkup doctor would then combine ~~all of~~ all the segments and add his/her diagnosis and recommendations to generate the report.

This method has been used in most hospitals for many years. Even though it allows health checkup procedures to be completed according to schedule, issues commonly encountered in practice include:

If there ~~is a different~~ health checkup doctor ~~is not the same~~ in different years, the comment report will ~~also differ~~ not be the same, and this ~~This~~ often confuses the patient and health education personnel when they see the comment report during follow-up.

If there is a new health checkup doctor, or the former health checkup doctor ~~is separated~~ has left, ~~the~~ different doctors will generate somewhat different comment reports, and the issue will become more severe.

For a health checkup doctor to generate a high-quality health checkup comment report using the current method, it is necessary to process and revise the comment segments provided by the medical information software. If a health checkup doctor provides services to 80 people a day according to regulations, the doctor will spend a considerable amount of labor and time on comment reports (takes about 2-3 hours at Shi Yuan Polyclinic). As the number of health checkups and recipients increases, medical diagnosis becomes more complex, ~~and the age of health checkup doctors increases~~, Increasing age of health checkup doctors ~~it~~ may affect their work efficiency ~~and performance~~ and raise concerns about human error. Hence, it is urgent that we resolve the issues with the current method for generating health checkup comment reports.

Furthermore, ~~it is a very delicate matter to provide training to groups of health checkup doctors who come from different medical specializations in a manner that conveys respect~~. ~~showing respect to the group of health checkup doctors with training in different backgrounds is very tricky.~~

Solving the problems above not only involves the group of health checkup doctors, but also specialists (such as cardiologists, radiologists, and medical laboratory ~~technologists~~ technicians) that work together with the health checkup department. It is also necessary to coordinate and integrate communication, information, and administrative departments, ~~which and~~ is truly ~~a truly massive task~~ vast amount of work.

Medical institutions attach great importance to health ~~checkups, and~~ checkups and are increasing the number of tests and advanced instrument services following the rise of

preventive medicine and cancer ranking among the top ten causes of death in Taiwan. Increasing the scale of health checkup services usually involves considerations ~~to~~of ~~increase~~increasing revenue. Naturally, medical institutions must solve the issue of ~~satisfy~~ satisfying checkup recipients' sometimes fastidious demands for high-quality health checkup comments, ~~and this can sometimes be a bit finicky.~~