

Paragraph one: Based upon your assigned perspective, what components are needed in a new HIS? Why are they important?

From a healthcare provider's perspective, a new Health Information System (HIS) would need to have several key components including computerized provider order entry (CPOE) to facilitate timely ordering and implementation of provider orders, results-reporting applications to facilitate viewing lab results and diagnostic tests, electronic documentation to enable rapid data sharing using controlled terminology, laboratory-information systems (LISs) to facilitate transmission of test results and accurate interpretation, radiology-information systems (RISs) to facilitate viewing diagnostic testing, picture archiving and communication system (PACS) to facilitate storage and retrieval of digital images, pharmacy information systems (PISs) to facilitate tracking, errors, and interactions of medications, physiological monitoring systems to obtain and view physiological patient data, and clinical decision support systems (CDSSs) to support making patient-care decisions (Hebda, Hunter, & Czar, 2019).

Paragraph two: How would your answer in paragraph 1 differ if the healthcare facility serves diverse populations or is in a remote location with limited technology support? What challenges would need to be considered?

If the healthcare facility serves diverse populations, language barriers is a challenge that needs to be considered (Rodriguez, Saadi, Bates, Samal, 2021). In rural areas, internet availability and connectivity requirements are challenges that need to be considered (Hebda, Hunter, & Czar, 2019).

Paragraph three: Discuss the importance of nursing engagement in the planning and selection of healthcare technologies.

Nursing engagement in the planning and selection of healthcare technology is crucial because nurses are at the forefront of patient care delivery and are key users of healthcare technology. Involving nurses in the planning and selection process ensures that the technology and design are intuitive and supportive of nursing practice. Lastly, nurses are instrumental in the successful adoption and implementation of new healthcare technology.

References

- Hebda, T., Hunter, K., & Czar, P. (2019). *Handbook of informatics for nurses and healthcare professionals* (6th ed.). Pearson.
- Rodriguez, J. A., Saadi, A., Schwamm, L. H., Bates, D. W., Samal, L. (2021). Disparities in telehealth use among California patients with limited English proficiency. *Health Affairs*, 40(3), 48-495. <https://doi.org/10.1377/hlthaff.2020.00823>