

BMDS7006 self-directed learning activity

26 January 2023

Interoperability: standards and evaluation

1. Reading

Benson, T. Principles of health interoperability: FHIR, HL7 and SNOMED CT. (**Chapter 5: Principles of FHIR**) [Available in UWTSD Library](#).

Saripalle, R., Runyan, C., & Russell, M. (2019). Using HL7 FHIR to achieve interoperability in patient health record. Journal of Biomedical Informatics, 94, 103188.

<https://doi.org/10.1016/j.jbi.2019.103188>

da Silva Serapião Leal, G., Guédria, W., & Panetto, H. (2019). Interoperability assessment: A systematic literature review. Computers in Industry, 106, 111-132. (**Section 2.2 only**)

<https://doi.org/10.1016/j.compind.2019.01.002>

2. Tasks

Select a health information system (HIS) in your organization, preferably one that you are/were using. Think about the questions below from a business/operational perspective, not the technical details unless critical.:

- a. What are the important requirements of interoperability of your chosen HIS?
- b. How could you assess the effectiveness of the current interoperability of your chosen HIS?