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Performance Evaluation of mEducator 3.0, a Linked Data-based Medical Educational Environment

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A large amount of medical content exists and there is an abundance of medical information on the web. Without standards for structure, semantics, repurposing, and reuse, it is difficult to link this to e-learning systems. mEducator Best Practice Network examines existing standards & solutions and reviews how medical data can be more easily embedded, shared and reused.

Currently there is no universally used standardised content sharing mechanism. A metadata schema was defined and two potential solutions were identified and two pilots were built and evaluated:

mEducator 2.0, based on web 2.0, based on creating ad-hoc APIs.

mEducator 3.0, based on semantic web using a set of Semantic Web Services, supporting different instantiations.

Below we show the performance test results (using JMeter).

