PROV in Electronic Health Records Systems: Leveraging Value By Defining Borders

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Electronic Health Records Systems in the United States are not regulated nor are they required to comply with information management requirements considered pro forma in other industries.

Since data quality and records authenticity variability is entirely unbound, where a given healthcare information resource came from is a critical component of assessing its fitness for us in, for example, patient care.

The presentation will be a brief summary of one perspective of a PROV neophyte attempting to leverage PROV to (successfully) achieve value in an HL7 vocabulary alignment project. The intention is to provide a Q&A opportunity for those who might find it of interest to discuss:

1. The unique challenges of PROV in non-standardized information systems, unbound by generally accepted principles of data (resource) creation.
2. How resource creation and PROV attributes can interact to establish a "floor" for data quality.

The author's intention is simply to present a summary of observations and discussion points, undoubtedly highlighting his inexperience and lack of command of PROV. More specifically, the author will present a work-in-progress that aims to describe or define a boundary between PROV and precursor activities in resource creation, perhaps, ideally, to find that others have already solved the problem.