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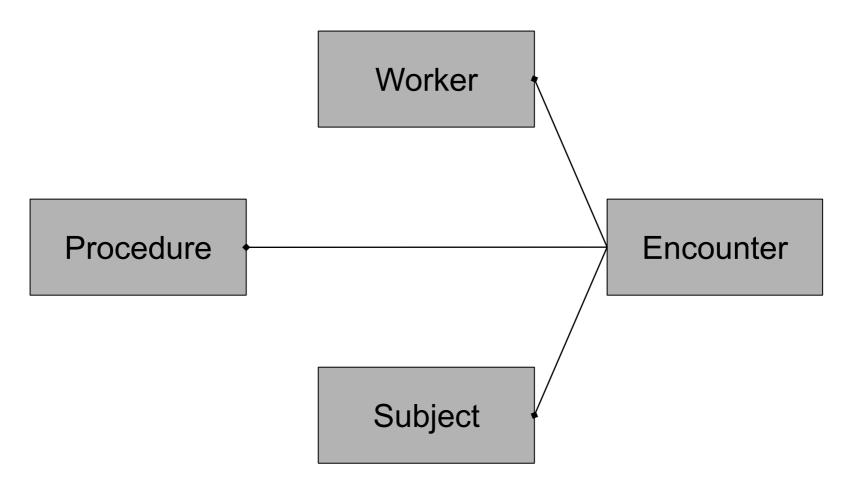




The fundamental goal of what we are attempting to accomplish can be summarized quite simply. That is:

Workers collects data by executing a procedure during an encounter with a subject..







Worker: The entity that collects data.

Subject: The entity about whom data is

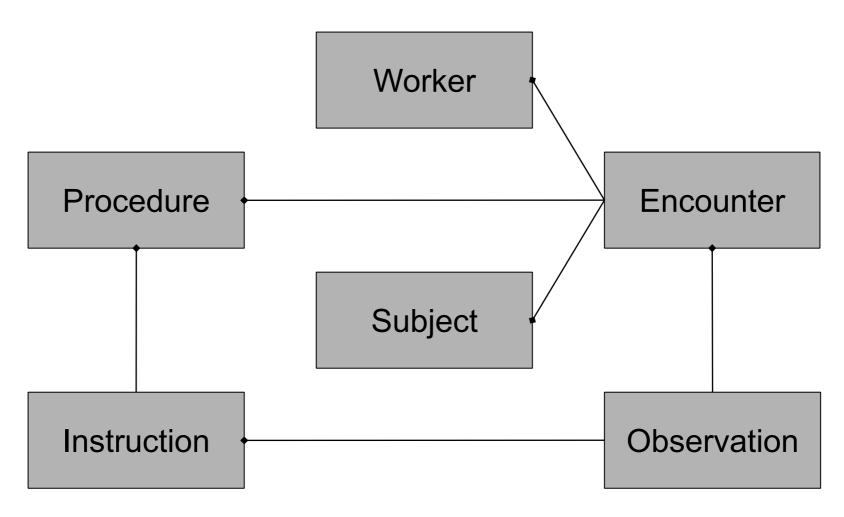
collected.

Procedure: A set of one or more instructions.

Encounter: The set of data collected during the execution of a procedure.

*Procedures and Encounters are compound objects.



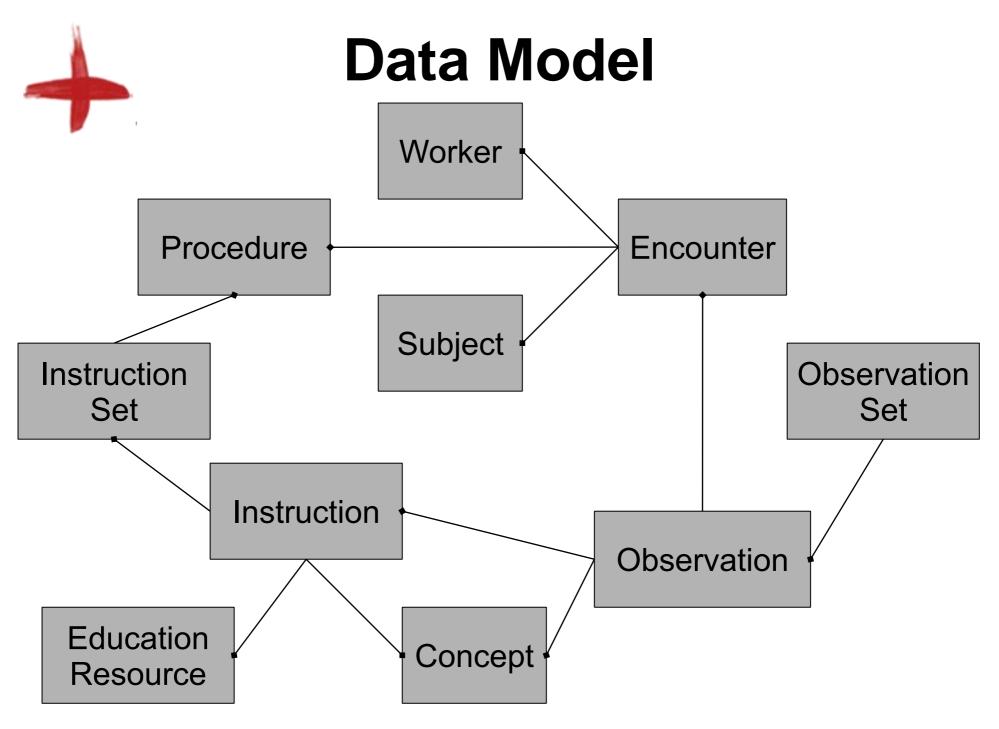




Instruction: A singular declaration describing a method for data collection.

Observation: The data collected during execution of a single instruction.

Additional attributes and objects which define relationships between simple objects can then be added.





Data models for electronic medical records systems can become incredibly complex when developing a complete set of objects and relationships.



OpenMRS Data Model

Image removed, please see openmrs.org.



Sana data model is kept much simpler since it is not intended to be a full electronic medical record system.

- Gateway to existing emr's by representing the essential components of data collection.
- Building block for custom EMR
- Extendable to additional implementations where data is collected about a subject in a similar fashion.



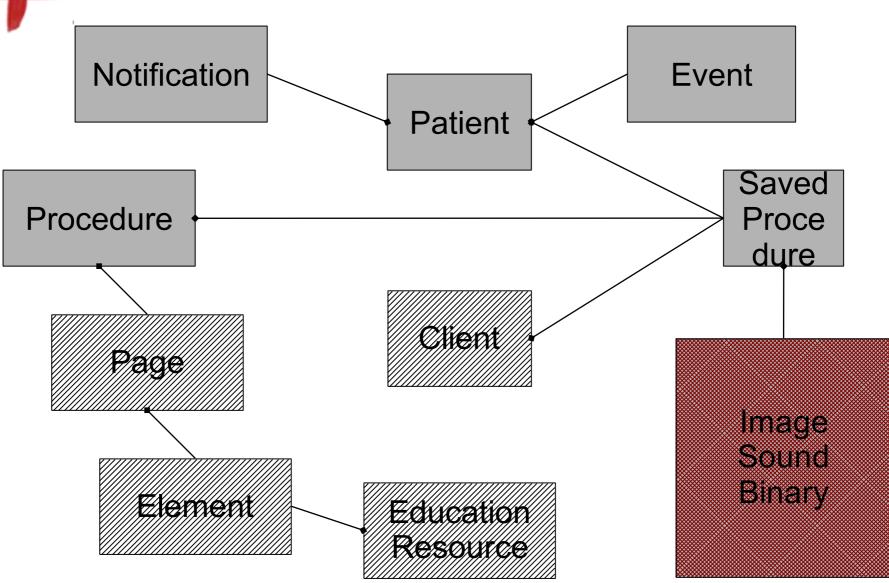
Implementing on Android

- •Requires a ContentProvider for each data object which is persisted.
- Object attributes represented by columns in the table.
- Accessed through a ContentResolver
- •ContentResolver is accessed through a Context-e.g. An Activity or Service. Provides standard db methods.
- •Example:

android.provider.MediaStore



Sana 1.x Data Model



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