

**Project Background:**

The Operational Data Model (ODM) is an open xml standard for clinical trial data created by the Clinical Data Interchange Standards Consortium (http://www.cdisc.org). ODM provides xml elements and attributes that capture information about clinical trial design and patient data.

Medidata would like to implement an application that provides parsing and storage for ODM. Access to this functionality should be provided via web service and data should be stored in a graph database. Use of the ODM format will allow for inclusion of trial data across systems, and use of a graph database will allow for better analysis of complexity and efficiency across trials.

**Goals:**

* Parse incoming ODM messages. For any problematic message, all parsing errors should be returned.
* Store incoming messages using a graph data model that parallels the ODM schema.
* Return ODM data given parameterized requests.

