

# Data Repository (CRC) Cell

Informatics for Integrating Biology and the Bedside



i2b2 Design Document  
Data Repository (CRC) Cell

- DATA PERMISSION
- DEFINITION OF TERMS
- I2B2 DATA MART
- I2B2 DATA MART TABLES
  - CODE\_LOOKUP Table
  - CONCEPT\_DIMENSION Table
  - ENCOUNTER\_MAPPING Table
  - General Information
  - Joining Columns
  - MODIFIER\_DIMENSION Table
  - OBSERVATION\_FACT Table
    - Example of Value Constraints Used in Queries
    - Value Columns
  - PATIENT\_DIMENSION Table
  - PATIENT\_MAPPING Table
  - PROVIDER\_DIMENSION Table
  - VISIT\_DIMENSION Table
- INTRODUCTION
- OBSERVATION FACT SCENARIOS
  - Use Case 1\_ Replace old facts with new facts
  - Use Case 2\_ Add new facts
- PATIENT AND EVENT MAPPING SCENARIOS
  - Handling Existing Values
    - Use Case 1\_ Hive id found but \_patient\_map\_id\_ is not mapped
    - Use Case 2\_ Patient id, num and map\_ids are not mapped
    - Use Case 3\_ PATIENT\_NUM in mapping table but with a different date
    - Use Case 4\_ \_patient\_ without a HIVE number
  - Invalid XML
    - Use Case 1\_ \_pid\_ without a PATIENT\_ID)
  - New Mappings - Adding New Values
    - Use Case 1\_ Create new entry if PID not found
    - Use Case 2\_ Create new entry if patient does not exist
    - Use Case 3\_ Create new entry if hive entry does not exist for a patient
  - Self-Mapping
- PATIENT DATA OBJECT

Document Version:	1.7.1
i2b2 Software Version:	1.7.00

