

# PATIENT DATA OBJECT

The Patient Data Object (PDO) is the XML representation of patient data. This data corresponds to the values in the star schema tables in the database. Below is a sample PDO. Definitions of the fields can be found in the *Definition of Terms* section.

```
<repository:patient_data xmlns:repository="">
<event_set>
<event *>
<event_id source="hive">1256</event_id>
<patient_id source="hive">4</patient_id>
<start_date>1999-02-28T13:59:00</start_date>
<end_date>1999-02-28T13:59:00</end_date>
<param column="inout_cd" type="string" name=""
column_descriptor="in vs. outpatient code"></param>
<param column="location_cd" type="string" name=""
column_descriptor="location code"></param>
<param column="location_path" type="string" name=""
column_descriptor="location hierarchy"></param>
<param column="active_status_cd" type="string" name=""
column_descriptor="date accuracy code"></param>
<event_blob/>
</event>
</event_set>
<concept_set="">
<concept *>
<concept_path>Diagnoses\lathm\C0004096</concept_path>
<concept_cd>UMLS:C0004096</concept_cd>
<name_char>Asthma</name_char>
<concept_blob/>
</concept>
</concept_set>
<observer_set>
<observer *>
<observer_path>MGHMedicine\C0004096</observer_path>
<observer_cd>M00022303</observer_cd>
<name_char>Shawn Murphy MD</name_char>
<observer_blob/>
</observer>
</observer_set>
<pid_set>
<pid>
<patient_id source="hive">4</patient_id>
<patient_map_id source="MGH" status="A" *>0051382</patient_map_id>
<patient_map_id source="EMPI" status="A" *>10034586</patient_map_id>
</pid>
</pid_set>
<eid_set>
<eid>
<event_id source="hive">1256</event_id>
<event_map_id source="MGHTSI" status="A"
patient_id="0051382" patient_id_source="MGH" *>KST004</event_map_id>
</eid>
</eid_set>
<patient_set>
<patient *>
<patient_id source=""hive"">4</patient_id>
<birth_date>1930-02-28</birth_date>
<death_date>2001-02-28</death_date>
<param column="vital_status_cd" type="string"
column_descriptor="date accuracy code"
name=""></param>
<param column="sex_cd" type="string"
column_descriptor="gender" name=""></param>
<param column="age_in_years_num" type="int"
column_descriptor="age"></param>
<param column="language_cd" type="string"
column_descriptor="language" name=""></param>
<param column="race_cd" type="string"
column_descriptor="race" name=""></param>
<param column="religion_cd" type="string"
column_descriptor="religion" name=""></param>
<param column="marital_status_cd" type="string"
column_descriptor="marital status" name=""></param>
<param column="statecityzip_path_char" type="string"
column_descriptor="zip code hierarchy"></param>
<param column="gender_cd" type="string" name=""
column_descriptor="Gender"></param>
<patient_blob/>
</patient>
</patient_set>
</patient_data>
```

```

</patient_set>
<observation_set path="">
<observation *>
<event_id source="hive">1256</event_id>
<patient_id source="hive">4</patient_id>
<concept_cd name="Asthma">UMLS:C0004096</concept_cd>
<observer_cd name="Doctor, John A., MD">B001234567</observer_cd>
<start_date>1999-02-28T13:59:00</start_date>
<modifier_cd>@</modifier_cd>
<valtype_cd>N</valtype_cd>
<tval_char>E</tval_char>
<nval_num units="ml">1.0</nval_num>
<valueflag_cd name="High">H</valueflag_cd>
<quantity_num>1.0</quantity_num>
<units_cd>ml</units_cd>
<end_date>1999-02-28T13:59:00</end_date>
<location_cd name="Oral Surgery">MT045</location_cd>
<confidence_num></confidence_num>
<observation_blob/>
</observation>
</observation_set>
<code_set>
<code *>
<table_cd>observation_fact</table_cd>
<column_cd>ValueType_CD</column_cd>
<code_cd>N</code_cd>
<name_char>Numeric</name_char>
<code_blob/>
</code>
</code_set>
</repository:patient_data>

```

- Indicates the following technical metadata parameters may be included in the tag (shown here with sample data values):
  - update\_date="1999-02-28T13:59:00"
  - download\_date="1999-02-28T13:59:00"
  - import\_date="1999-02-28T13:59:00"
  - sourcesystem\_cd="DEMO"