



This diagram models the Patient Identification system:

1. PatientIdentifier receives raw data from external sources (Data Input), extracts and matches the incoming patientID string, and then retrieves or updates the corresponding PatientRecord, which holds the patient's demographics and medical history.
2. PatientRecord encapsulates each patient's core information (name, patientID, birthDate) alongside a history of medical entries, exposing getData() and setData() for read/write operations.
3. IdentityManager oversees record integrity: it takes a PatientRecord plus new Data, runs detectUnusualData() to spot anomalies, and—if needed—calls notifyAnomaly() to escalate unexpected or invalid inputs.