



This UML class diagram represents the data storage system of the signal project. Each patient has a corresponding **PatientRecord** object, with a list of health information represented by multiple instances of **Patient** class, which holds the data for a given time stamp. The **DataStorage** class has map field, which maps each patient id to their **PatientRecord** object, with methods `addPateintData` to add data to the corresponding **PatientRecord**, as well as `getPatientData` which is responsible for retrieving the records for a given patient.