

# HEALTH INSURANCE DATABASE SYSTEM

## Milestone #1

Group 23

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**Business Problem:**

Many overseas students pursue their dreams of attending university in the United States each year. Due to universities requiring students to have approved health insurance, students must obtain decent health insurance that covers treatment for most common diseases and injuries, where the student pays less, and the insurance company covers most of the treatment costs. Students frequently lack access to resources where they can view and compare the best-priced plans that are necessary for them. In order to address this issue, we are going to develop a health insurance database system where we can supply all required information about all insurance plans, and which would be the best option depending on student desire.

Our DBMS will provide access to various health insurance plans and affiliated hospitals and the cost of treatment for various diseases and injuries so that students can find the appropriate health plan in one place in their budget.

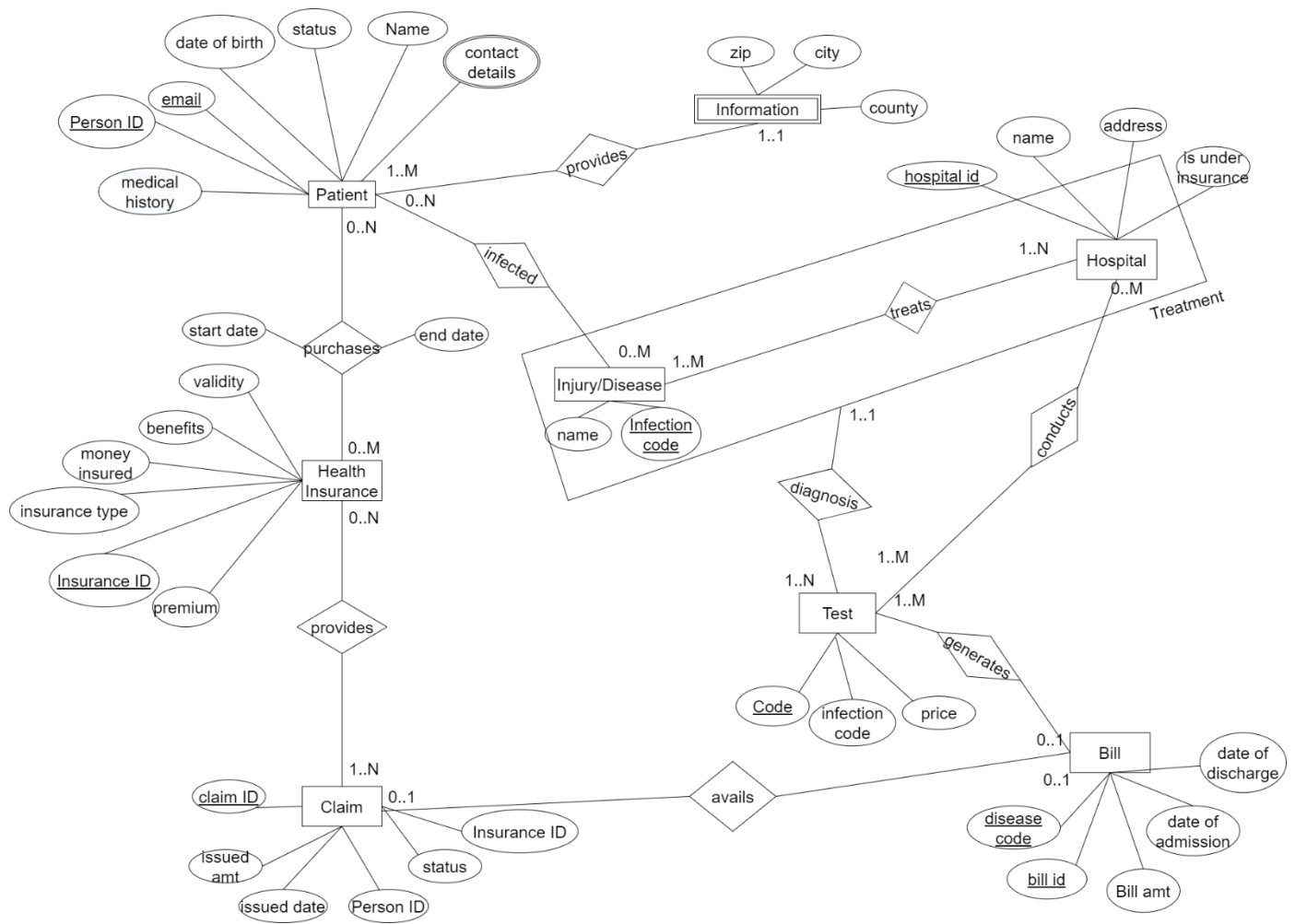
In the model if a person- student or a foreign visitor who comes to an accident and does not have any insurance, but he is a patient as he/she is injured.

We can claim the health insurance multiple times and a person can have multiple insurances such as generic health insurance, dental insurance, eye insurance etc.

**Business Entities Considered in our Model:**

- Patient
- Information
- Health Insurance
- Claim
- Injury/Disease
- Hospital
- Test
- Bill

## EER Diagram:



Here we have reference data in injury/disease entity where we have stored information about tests required for any disease in the database.

Here when health insurances are sold, the transaction referenced to the relevant Insurance ID and Patient ID. The insurance and patient records do not need to be modified for the new transactions.