

The fields that might be PII are :

Name , age in tables **Doctor , Patient** and **Nurse**
Specialization in table **Doctor**

The field that might be CFI :

Health_insurance in table **Patient**

The fields that might be PHI:

Medical_history in table **Patient**
Type in table **Surgery**

Elements that present most significant data quality challenges :

Capacity in table **Hospital** presents challenges in terms of **consistency** and **accuracy**, it is a challenge to always keep track of the empty spots and the occupied spots and increment and decrement this value. Also in terms of Timeliness “data latency” , the latency could have an effect in having inaccurate results

Date in table **Surgery** presents a challenge in terms of accuracy, the timestamp should be captured correctly

Medical_history in table **Patient** presents a challenge in terms of completeness, it is very important to make sure that we have all the information about this patient, any missing information could cause major problems