Group 27 EER Assumptions
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PHARMACY SUPPLY TREATMENT
- Assume the pharmacy can supply multiple treatments.
- The treatment is total participation since treatments need a pharmacy (minimum 1 treatment), but a pharmacy doesn't always supply treatment (minimum 0 pharmacies).

PATIENT UNDERGOES TREATMENT
- Not all patients require treatment (min 0), but all treatments must be related to a patient with at least one treatment; hence, total participation is only on the treatment's side.

HEALTHCARE_PROFESSIONAL ADMINISTERS TREATMENT
- Not every healthcare professional administers treatment (minimum 0)
- Though at least one healthcare professional administers every treatment (minimum 1)
- Total participation on the treatment's side.
- Partial participation on the Healthcare professional side
- The structural constraint for Healthcare professional

PATIENT HAS MEDICAL_RECORD
- Each patient has a medical record, and every medical record has a patient
- The total participation is on both sides because patient and medical records need one another to exist. Therefore, the minimum is 1, and the maximum is N for both patient and medical records.

PATIENT ASSIGNED HEALTHCARE_PROFESSIONAL
- Assumes every patient is assigned a healthcare professional and vice versa, so no healthcare professional has 0 patients.
- There is total participation on both sides since the patient and healthcare professional need one another to exist.
- There needs to be one patient and a healthcare professional. (minimum of 1 healthcare professional and patient)

PATIENT ATTENDS APPOINTMENT
- Each patient doesn't need an appointment (min is 0), but every appointment needs a patient (min is 1); hence, total participation is only on the appointment's side.

HEALTHCARE_PROFESSIONAL SCHEDULES APPOINTMENT
- It is total participation on the appointment side since the appointment needs a healthcare professional. (Minimum 1 appointment)
- However, it is partial on the healthcare professional side since not every professional will schedule an appointment. (minimum 0 healthcare professionals)

PATIENT BILLED BILL
- Assuming the hospital gives the patient multiple bills instead of just one big bill.
- The structural constraint is that a patient could have no bill (minimum 0). There needs to be at least one bill for a patient if a bill were to exist. (minimum 1)

HEALTHCARE_PROFESSIONAL UPDATES MEDICAL_RECORD
- Each medical record needs a healthcare professional to update it, and vice versa. Hence double total participation.
- There needs to be a minimum of one healthcare professional and one medical record.