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**1.** A FACILITY maintains one or more DIAGNOSTIC UNITS (radiology, clinical laboratory, cardiac diagnostic unit, etc.).

**2.** A FACILITY contains a number of WARDs (obstetrics, oncology, geriatrics, etc.).

**3.** Each WARD is assigned a certain number of STAFF members (nurses, secretaries, etc.); a STAFF member may be assigned to multiple WARDs.

**4.** A FACILITY staffs its medical team with a number of PHYSICIANs. APHYSICIAN may be on the staff of more than one FACILITY.

**5.** A PHYSICIAN treats PATIENTs, and a PATIENT is treated by any number of PHYSICIANs.

**6.** A PHYSICIAN diagnoses PATIENTs, and a PATIENT is diagnosed by any number of PHYSICIANs.

**7.** A PATIENT may be assigned to a WARD (outpatients are not assigned to a WARD). The hospital cares only about the current WARD a patient is assigned to (if assigned at all).

**8.** A PATIENT uses MEDICAL/SURGICAL ITEMS, which are supplied by VENDORs. A VENDOR also provides

SUPPLY ITEMs that are used for housekeeping and maintenance purposes.

**9.** A PHYSICIAN writes one or more ORDERS for a PATIENT. Each ORDER is for a given PATIENT, and a PATIENT may have many ORDERs.

**10.** An ORDER can be for a diagnostic test (lab tests such as lipid profile, CBC, liver function tests; diagnostic imaging such as MRIs and X-rays) or a drug.