



## Simplified class diagram for laboratory workflow

The boxes represent classes, or entities for which data will be collected. The boxes contain simple data elements, or attributes. Classes can also contain other classes as complex data elements, and these associations are shown as lines. Multiplicity relationships are shown as numbers on the associations: for example, a patient can have any number of visits (the permissible range is shown as 0..\*, where the asterisk indicates “any number”), but a visit can have only one patient. The clinician class represents the patient’s primary physician, physician of record for a visit, and ordering physician for a test, which may be different physicians. Class diagrams express data models only and do not depict data flow or action sequences.

