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| **Project: New Haven Urgent Care Team# 9** | |
|  | **Test Date: 12/09** |
| **Test Case ID#: 17** | **Name(s) of Tester(s): Brandon Xu** |
| **Test Description (What are you testing? – you must be specific):**     * Can doctors request more than one test/procedure per visit? * Can more than one visit be associated with the same procedure? |  |
|  |  |

**Test Data (Provide the file name of the script used to insert data, provide a screen capture to reflect data, or provide script here):**

INSERT INTO Department(Id, Name)

VALUES (1, 'Surgery');

/\* Add a patient \*/

INSERT INTO Patient(PId, FName, MName, LName, House\_number, Street, City, State, Zip, Day, Month, Year, Has\_insurance)

VALUES (1, 'Brandon', 'Z', 'Xu', '220','Delaware St SE','Minneapolis','MN', '55455', '3', '10', '1999', false);

/\* Insert an employee to be used as service provider \*/

INSERT INTO Employee(EId, Ssn, FName, MName, LName, DId)

VALUES (1, 1234567899, 'John', 'Man', 'Doe', 1);

/\* Insert an employee to be used as an intake clerk \*/

INSERT INTO Employee(EId, Ssn, FName, MName, LName, DId)

VALUES (2, 182347628, 'Jane', 'Woman', 'Doe', 1);

/\* Insert a service provider \*/

INSERT INTO ServiceProvider(EId, SId)

VALUES (1, 1);

/\* Insert an intake clerk \*/

INSERT INTO IntakeClerk(EId)

VALUES (2);

/\* Insert a doctor \*/

INSERT INTO Doctor(EId)

VALUES (1);

/\* Insert a visit \*/

INSERT INTO Visit(VId, In\_time, Out\_time, Day, Month, Year, PId, Intake\_EId, Service\_EId)

VALUES (1, '09:10:00', '11:15:00', 9, 12, 2019, 1, 2, 1);

/\* Insert a treatment \*/

INSERT INTO Treatment (Name, `ICD-10-PCS-Code`, Cost)

VALUES ('Spinal Cord Radiography', 'B00B0ZZ', 10000.00);

/\* Insert another treatment \*/

INSERT INTO Treatment (Name, `ICD-10-PCS-Code`, Cost)

VALUES ('Bypass Coronary Artery', '0210083', 100000.00);

/\* Tie together visit and treatment \*/

INSERT INTO VisitHasTreatment(`ICD-10-PCS-Code`, VId)

VALUES ('0210083', 1);

/\* Tie together visit and treatment \*/

INSERT INTO VisitHasTreatment(`ICD-10-PCS-Code`, VId)

VALUES ('B00B0ZZ', 1);

/\* Insert a second visit \*/

INSERT INTO Visit(VId, In\_time, Out\_time, Day, Month, Year, PId, Intake\_EId, Service\_EId)

VALUES (2, '08:10:00', '10:00:00', 10, 27, 2019, 1, 2, 1);

/\* Tie together visit 2 with same treatment requested for visit 1\*/

INSERT INTO VisitHasTreatment(`ICD-10-PCS-Code`, VId)

VALUES ('0210083', 2);

/\* Tie together visit 2 with same treatment requested for visit 1\*/

INSERT INTO VisitHasTreatment(`ICD-10-PCS-Code`, VId)

VALUES ('B00B0ZZ', 2);

**SQL Query(s) used for testing:**

/\* Tests if a doctor can request more than one procedure for a single visit.

Pass: Query returns table with two treatment codes requested by the doctor in visit 1\*/

SELECT `ICD-10-PCS-Code`, V.VId, E.EId, E.FName, E.LName

FROM VisitHasTreatment as VHT, Visit as V, Employee as E

WHERE VHT.VId = 1 AND V.VId = VHT.VId AND V.Service\_EId=E.EId;

/\* Tests if procedures can be requested by doctors in more than one visit.

Pass: Returns table with two treatment codes requested by the doctor in visit 2. The treatments are the same ones requested in visit 1.\*/

SELECT `ICD-10-PCS-Code`, V.VId, E.EId, E.FName, E.LName

FROM VisitHasTreatment as VHT, Visit as V, Employee as E

WHERE VHT.VId = 2 AND V.VId = VHT.VId AND V.Service\_EId=E.EId;