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| **Project: New Haven Urgent Care Team#** | |
|  | **Test Date: 12/11/2019** |
| **Test Case ID#: 19** | **Name(s) of Tester(s):**  **Jiangxiao Xie** |
| **Test Description (What are you testing? – you must be specific):**  **Test two FKs for their caldinality if they correspond to our design.**   1. **FK SERVICE\_EMPLOYEE\_ID of diagnosis** 2. FK PATIENT\_ID of TREATMENT |  |
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**NOTE: The following information must be provided to be given credit for any test.**

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

DELETE FROM DEPARTMENT WHERE TRUE;

DELETE FROM DIAGNOSIS WHERE TRUE;

DELETE FROM SERVICE\_PROVIDER WHERE TRUE;

DELETE FROM PATIENT WHERE TRUE;

DELETE FROM FORM WHERE TRUE;

DELETE FROM INITIAL\_VISIT WHERE TRUE;

DELETE FROM INTAKE\_CLERK WHERE TRUE;

DELETE FROM TREATMENT WHERE TRUE;

INSERT INTO DEPARTMENT (DNO, DNAME)

VALUES (1, 'MAIN');

INSERT INTO DIAGNOSIS (DIAGNOSIS\_ID, ICDIOCM, D\_NAME, FORM\_ID, SERVICE\_EMPLOYEE\_ID)

VALUES(1, 'ABC1234', 'SOME',1,1);

INSERT INTO DIAGNOSIS (DIAGNOSIS\_ID, ICDIOCM, D\_NAME, FORM\_ID, SERVICE\_EMPLOYEE\_ID)

VALUES(2, 'ABC1235', 'SOMETHING',1,1);

INSERT INTO SERVICE\_PROVIDER (SERVICE\_EMPLOYEE\_ID, FNAME, MNAME, LNAME, SERVICE\_ID, SSN, PAYSCALE, SALARY, DNO)

VALUES (1, 'JIANG', 'XIAO', 'XIE', 1, 12345678, NULL, 0, 1);

INSERT INTO SERVICE\_PROVIDER (SERVICE\_EMPLOYEE\_ID, FNAME, MNAME, LNAME, SERVICE\_ID, SSN, PAYSCALE, SALARY, DNO)

VALUES (2, 'J', 'XIAO', 'XIE', 2, 12345688, NULL, 0, 1);

INSERT INTO PATIENT (PATIENT\_ID, FNAME, MNAME, LNAME, STREET, CITY, STATE, ZIP, DOB, GUARDIAN\_ID)

VALUES (1, 'J', 'X', 'XIE', '2nd', 'Minneapolis', 'MN', 55414, DATE '1998-11-03', NULL);

INSERT INTO PATIENT (PATIENT\_ID, FNAME, MNAME, LNAME, STREET, CITY, STATE, ZIP, DOB, GUARDIAN\_ID)

VALUES (2, 'J', 'F', 'XIE', '2nd', 'Minneapolis', 'MN', 55414, DATE '1998-11-03', NULL);

INSERT INTO FORM (FORM\_ID, F\_DATE, CLERK\_ID)

VALUES(1, DATE '2006-03-20', 1);

INSERT INTO INITIAL\_VISIT (INTAKE\_EMPLOYEE\_ID, FORM\_ID, PATIENT\_ID)

VALUES(1,1,1);

INSERT INTO INTAKE\_CLERK (INTAKE\_EMPLOYEE\_ID, FNAME, MNAME, LNAME, PAYSCALE, SALARY, DNO)

VALUES (1, 'F', 'M', 'L', NULL, 0, 1);

INSERT INTO TREATMENT (TREATMENT\_ID, ICDLOPCS, TREATMENT\_NAME, COST, PATIENT\_ID)

VALUES(2, 'ABCD123', 'NAME', 0, 1);

INSERT INTO TREATMENT (TREATMENT\_ID, ICDLOPCS, TREATMENT\_NAME, COST, PATIENT\_ID)

VALUES(3, 'ABCD12', 'NAM', 0, 1);

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

SELECT DIAGNOSIS\_ID, SERVICE\_EMPLOYEE\_ID

FROM DIAGNOSIS;

SELECT TREATMENT\_ID, PATIENT\_ID

FROM TREATMENT;

RESULT1:

DIAGNOSIS\_ID SERVICE\_ELOYEE\_ID

1 1

2 1

RESULT2:

TREATMENT\_ID PATIENT\_ID

2 1

3 1

DISCUSSION:

“doctor diagnosis” is a one to 0 or many realationship and. In this test, 2 instances are inserted into diagnosis where two of them have service provider id of 1. As the result shows, one service provider can have many diagnosis. There are two service providers inserted into SERVICE\_PROVIDER and one of them does not have a diagnosis. The relationship is kept.

“patient has treatment” is a one to 0 or many relationship. In this test, two treatments are inserted into TREATMENT where two of them have patient\_id of 1. As the result shows, one patient can have many treatments. There are two patients inserted into PATIENT and one of them does not have a treatment. The relationship is kept