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ITI-119_Patient_Demographics_Supplier_CTS

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Test case #14247 ITI-119_Patient_Demographics_Supplier

Test Summary

Keyword : ITI-	Type : conformity assessment
Name : ITI-119_Patient_Demographics_Supplier	Peer Type : NO_PEER_TEST
Version : 1.0	Status : ready
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Date of last 2026-07-15 16:33:32.147188 by vhofman	

Short Description : This test case evaluates the System Under Test, acting as a PDQm Patient Demographics Supplier, receive and process with Patient Demographics Match requests (ITI-119) from the Simulator acting as a Patient Demographics Consumer.

Test Description

Conformance tests definitions

This test case evaluates the System Under Test, acting as a PDQm Patient Demographics Supplier, to receive and process with Patient Demographics Match requests (ITI-119) from the Simulator acting as a Patient Demographics Consumer.

The simulator sends multiple requests to ensure that the Patient Demographics Supplier correctly processes with correct and non-correct Patient Demographics Match requests and returns appropriate responses.

Moreover, the simulator automatically validates the compliance with the swiss PDQm & ITI-119 specifications.

Special Instructions

A PDQm Patient Demographics Supplier shall be able to receive requests in JSON and XML formats as defined in FHIR.

The transaction is secured by Transport Layer Security (TLS) encryption and server authentication with server certificates.

This national extension enforces authentication and authorization of access to the Patient Demographics Supplier using the IUA profile with a Basic Access Token.

Consequently the Patient Demographics Match [ITI-119] requests embeds the [ITI-72] transaction of the IUA profile.

Furthermore, a traceparent header is sent with the requests and must be updated in the response.

Description

The Patient Demographics Consumer (Simulator) sends several requests to the Patient Demographics Supplier (System Under Test).

In this sequence, the Patient Demographics Consumer Simulator processes with:

1. A IUA Get Access Token (ITI-71) to the Authorisation Server Simulator to retrieve a Basic AccessToken;
2. 5 Patient Demographics Match compliant requests with the Basic Access Token (ITI-72) to query your system:
 1. A Patient Demographics Match Request with Parameters birthDate: 2002-03-29 and gender: male, Bergan Ovie is expected in the response;
 2. A Patient Demographics Match Request with Parameters given: Alessandra and mothersMaidenName: Baehler, Alessandra Ehrxyzmedical is expected in the response;
 3. A Patient Demographics Match Request with Parameter given: Alessandra, Alessandra Ehrxyzmedical and Alessandra Amrein-Brunner are expected in the response;
 4. A Patient Demographics Match Request with Parameter gender: female, Alessandra Ehrxyzmedical, Alessandra Amrein-Brunner and Elvira Putod are expected in the response;
 5. A Patient Demographics Match Request with Parameter given: Ernesto, No patient is expected in the response;
3. 2 Patient Demographics Match non-compliant requests to check if your system can detect non conform queries and return the corresponding error:
 1. A Patient Demographics Match Request with Parameter country: CHE, an Operation Outcome indicating too many results (>5) is expected as the response;
 2. A Patient Demographics Match Request without IUA token, a 401 Unauthorized http code is expected.



Execution of the test case

This test is an automated test case, you don't need to open another tools to execute it. The execution part is embedded in the test steps as described below.

To do so:

1. Go to test step 10;
2. Fill-in the required information (i.e. Full path to your server);
3. Click on the "Run" button;
4. After a while, click on the "Get result" button to manually update the status of the execution;
5. As soon as the result appears, the Test Report has automatically been saved in your Test Instance.

Test Report must have the status "PASSED".

Test Data

To load patients who are the subject of queries in this test, the Supplier system must download the reference patient list along with their demographic data.

In the Patient Manager tool, select menu Connectathon->Patient Demographics. All patients listed are applicable to this test.

Download the entire list by clicking on the arrow button at the top right of the patients list ('download as FHIR Resource') and import them to your System Under Test.

Validation

At the end of the execution, the Patient Demographics Consumer Simulator checks:

1. The compliance of your FHIR resource with the following Validation Profile [CH PDQm Match Output Bundle Profile](#);
2. If the System under Test has correctly answered with the expected response.

Evaluation

The Test report Status must be PASSED.

Test Participants

Role in test : Patient Demographics Supplier (SUT)			Option : R	Nb of instances : 1
Actor	Profile	Option		
PDS	CH:PDQm	NONE		

Test Participants

Role in test : PDC - Patient Demographics Consumer (simulator)

Option : R

Nb of instances : 1

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
10	PDC - Patient Demographics Consumer (simulator)	Patient Demographics Supplier	ITI-119	Patient Demographics Match	No	Required	

[Transaction] Fill-in the needed information and click on the Run button.

Sequence Diagram

