
Integrating the Healthcare Enterprise

**IHE/MESA Patient Demographics
Supplier Tests**

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1 Patient Demographics Supplier Tests

1.1 Introduction

1.2 Patient Identification

Patient IDs are assigned to test specific features of the PDQ profile. The values used for Assigning Authority in PID.3 are taken from the HIMSS 2005 demonstrations. The values work equally well for test cases. The values for assigning authority are listed in the table below.

Note that the use of OIDs replaces simple assigning authority names used in other MESA tests.

Name	Value
XDS 2005	&1.3.6.1.4.1.21367.2005.1.1&ISO

1.3 Configuration

The MESA scripts are run from the directory *\$MESA_TARGET/ mesa_tests/iti/actors/pd_supplier*. The ASCII configuration file *pd_supplier.cfg* contains parameters that identify the Patient Demographics Supplier under test and the MESA Patient Demographics Supplier.

Edit the configuration file and modify the two entries that begin with TEST to identify your Cross Reference Manager. The value for TEST_PDS_HOST_HL7 can specify an IP address or a host name (assuming the host table or DNS is accurate).

The default port number for the MESA Patient Demographics Supplier is 3700. You should only change this port number if there is a conflict with another service on the MESA test computer. There will be no conflicts with other MESA servers; the only conflict would occur with something from the operating system or other software package.

1.4 Starting the MESA Servers

MESA servers are started from a DOS/CMD window or a terminal emulator. Follow these steps for Unix systems

1. `cd $MESA_TARGET/ mesa_tests/rid/actors/pd_supplier`
2. `scripts/start_mesa_servers.csh`

To stop the servers:

```
scripts/stop_mesa_servers.csh
```

The start instructions for MESA tools on a Windows system are:

1. `cd %MESA_TARGET%\mesa_tests\rid\actors\ pd_supplier`
2. `scripts\start_mesa_servers.bat`

To stop the MESA servers:

Kill the server using ^C in the same DOS window where you started the server. When you started the server, it ran the server in the foreground.

1.5 Installation Test

1.6 Submission of Results

Test descriptions below inform the reader to “submit results to the Project Manager”. This is does not mean “email”. The current submission process should be documented by the Project Manager, but will not include emailing files directly to the Project Manager.

2 Test Cases: PDQ

This section describes test cases that are generally associated with the PDQ Integration Profile. There may be some overlap with other profiles.

The test cases use a database of patient records that are taken from A01 and A04 messages. These can be loaded in the Patient Demographics Supplier under test by running the script

```
perl scripts/pds_pdq.pl 11300 4
```

This will send ADT messages to the PD Supplier under test using IHE ITI transactions defined for other integration profiles. There is no requirement to use this method to load the PD Supplier. The user can also load the PD Supplier manually by entering the information found in Appendix A of this document.

If you choose not to load the PD Supplier with the ADT messages supplied above, you will still need to load the MESA PD supplier. To do, use this script:

```
perl scripts/load_mesa.pl 11300 4
```

The Technical Framework does not define the semantics of the matching algorithm. For example, one of the queries is by partial last name (MOO*). The user will need to modify the test data to match the query expected by the supplier.

2.1 Test Case 11311: Exact Name Search

Test case 11311 covers an exact name search by the Patient Demographics Consumer.

The MESA PD Consumer sends a Patient Demographics Query that includes an exact patient name.

PID.5.1 = MOORE

PID.5.2 = CHIP

No other query keys are present.

Because an exact name is included, the supplier is expected to respond with one record.

2.1.1 References

ITI TF-2: 3.21

2.1.2 Instructions

To run this test, follow these steps using a DOS window or terminal emulator:

1. Set the current directory to \$MESA_TARGET/ mesa_tests/iti/actors/pd_supplier.
2. The file *pd_supplier.cfg* describes the Patient Demographics Supplier for this test.
3. Make sure the MESA servers have been started. See section 1.4 for details.
4. Load patient demographics into PD supplier. You can use the MESA scripts for this or load the demographics by hand. To use the MESA scripts:

```
perl scripts/pds_pdq.pl 11300 2
```

5. Load the MESA server with demographics if you did not use the script in step 4:

```
perl scripts/load_mesa.pl 11300 2
```

6. Run the test script as follows:

```
perl scripts/pds_pdq.pl 11311 <log level>
```

where <log level> is a value between 1 and 4.

7. The test script will send one Patient Demographics Query to the PD Supplier under test.

2.1.3 Evaluation

To evaluate your response to this test:

1. Run the evaluation script

```
perl 11311/eval_11311.pl 4
```

2. The output file is 11311/grade_11311.txt. This test is successfully completed when the last line in the output file indicates 0 errors.

3. Submit the grade file to the Project Manager. The Project Manager may examine the file and require you to modify your query and/or to perform additional queries.

Notes:

1. The evaluation script takes a single argument, <log level>. When debugging output, it is sometimes helpful to use a log level of 1 to see only differences. When submitting results, we prefer the output with the most verbose level, 4.
2. If you want to see a response generated by a MESA PD Supplier, run test 11311 in self test mode. Then run the evaluation as above and examine the grade file. To run in self test mode:

```
perl scripts/pds_pdq.pl 11311 4 self
```

2.2 Test 11312: Name Search – No Match

Test case 11312 covers a search by last name that results in 0 patient records found.

The MESA PD Consumer sends a Patient Demographics Query that includes an exact patient name.

PID.5.1 = ZEBRA

No other query keys are present.

Because an exact name is included, the supplier is expected to respond with zero records and the proper status in QAK-2.

2.2.1 References

ITI TF-2: 3.21

2.2.2 Instructions

To run this test, follow these steps using a DOS window or terminal emulator:

1. Set the current directory to \$MESA_TARGET/ mesa_tests/iti/actors/pd_supplier.
2. The file *pd_supplier.cfg* describes the Patient Demographics Supplier for this test.
3. Make sure the MESA servers have been started. See section 1.4 for details.
4. Load patient demographics into PD supplier. You can use the MESA scripts for this or load the demographics by hand. To use the MESA scripts:

```
perl scripts/pds_pdq.pl 11300 2
```

5. Load the MESA server with demographics if you did not use the script in step 4:

```
perl scripts/load_mesa.pl 11300 2
```

6. Run the test script as follows:

```
perl scripts/pds_pdq.pl 11312 <log level>
```

where <log level> is a value between 1 and 4.

7. The test script will send one Patient Demographics Query to the PD Supplier under test.

2.2.3 Evaluation

To evaluate your response to this test:

1. Run the evaluation script

```
perl 11312/eval_11312.pl 4
```

2. The output file is 11312/grade_11312.txt. This test is successfully completed when the last line in the output file indicates 0 errors.
3. Submit the grade file to the Project Manager. The Project Manager may examine the file and require you to modify your query and/or to perform additional queries.

Notes:

1. The evaluation script takes a single argument, <log level>. When debugging output, it is sometimes helpful to use a log level of 1 to see only differences. When submitting results, we prefer the output with the most verbose level, 4.
2. If you want to see a response generated by a MESA PD Supplier, run test 11312 in self test mode. Then run the evaluation as above and examine the grade file. To run in self test mode:

```
perl scripts/pds_pdq.pl 11312 4 self
```

2.3 Test Case 11315: Partial Name Search

Test case 11315 covers a partial name search by the Patient Demographics Consumer.

The MESA PD Consumer sends a Patient Demographics Query that includes a partial patient name.

```
PID.5.1 = MOO*
```

No other query keys are present.

The query semantics for partial name matches are not defined in the Technical Framework. If your supplier expects a different query, you will need to contact the Project Manager to modify this test.

In the query, RCP-2 (Quantity Limited Response) is sent with the value 10^RD. Your supplier is expected to send a complete response in a single message and not use continuation.

2.3.1 References

ITI TF-2: 3.21

2.3.2 Instructions

To run this test, follow these steps using a DOS window or terminal emulator:

1. Set the current directory to \$MESA_TARGET/ mesa_tests/ iti/ actors/ pd_supplier.
2. The file *pd_supplier.cfg* describes the Patient Demographics Supplier for this test.
3. Make sure the MESA servers have been started. See section 1.4 for details.
4. Run the test script as follows:

```
perl scripts/pds_pdq.pl 11315 <log level>
```

where <log level> is a value between 1 and 4.

5. The test script will send one Patient Demographics Query to the PD Supplier under test.

2.3.3 Evaluation

To evaluate your response to this test:

1. Run the evaluation script

```
perl 11315/eval_11315.pl 4
```

2. The output file is 11315/grade_11315.txt. This test is successfully completed when the last line in the output file indicates 0 errors.
3. Submit the grade file to the Project Manager. The Project Manager may examine the file and require you to modify your query and/or to perform additional queries.

Notes:

1. The evaluation script takes a single argument, <log level>. When debugging output, it is sometimes helpful to use a log level of 1 to see only differences. When submitting results, we prefer the output with the most verbose level, 4.
2. If you want to see a response generated by a MESA PD Supplier, run test 11315 in self test mode. Then run the evaluation as above and examine the grade file. To run in self test mode:

```
perl scripts/pds_pdq.pl 11315 4 self
```

2.4 Test Case 11320: Complete ID Search - Unspecified Domain

Test case 11320 covers a complete ID search where the return domains are unspecified by the Patient Demographics Consumer.

The MESA PD Consumer sends a Patient Demographics Query that includes a complete Patient ID:

```
PID.3.1 = PDQ113XX05
```

No other query keys are present.

The field QPD-8 is empty.

In the query, RCP-2 (Quantity Limited Response) is sent with the value 10^RD. Your supplier is expected to send a complete response in a single message and not use continuation.

2.4.1 References

ITI TF-2: 3.21

2.4.2 Instructions

To run this test, follow these steps using a DOS window or terminal emulator:

1. Set the current directory to \$MESA_TARGET/mesa_tests/iti/actors/pd_supplier.
2. The file *pd_supplier.cfg* describes the Patient Demographics Supplier for this test.
3. Make sure the MESA servers have been started. See section 1.4 for details.
4. Run the test script as follows:

```
perl scripts/pds_pdq.pl 11320 <log level>
```

where <log level> is a value between 1 and 4.

5. The test script will send one Patient Demographics Query to the PD Supplier under test.

2.4.3 Evaluation

To evaluate your response to this test:

1. Run the evaluation script

```
perl 11320/eval_11320.pl 4
```

2. The output file is 11320/grade_11320.txt. This test is successfully completed when the last line in the output file indicates 0 errors.
3. Submit the grade file to the Project Manager. The Project Manager may examine the file and require you to modify your query and/or to perform additional queries.

Notes:

1. The evaluation script takes a single argument, <log level>. When debugging output, it is sometimes helpful to use a log level of 1 to see only differences. When submitting results, we prefer the output with the most verbose level, 4.
2. If you want to see a response generated by a MESA PD Supplier, run test 11320 in self test mode. Then run the evaluation as above and examine the grade file. To run in self test mode:

```
perl scripts/pds_pdq.pl 11320 4 self
```

2.5 Test Case 11325: Complete ID Search - Single Domain

Test case 11325 covers a complete ID search within a single domain that is specified by the PD Consumer.

The MESA PD Consumer sends a Patient Demographics Query that includes a complete Patient ID and a specific, single domain in QPD-8

PID.3.1 = PDQ113XX02

No other query keys are present.

The field QPD-8 has the value “^^^&1.3.6.1.4.1.21367.2005.1.1&ISO” to specify that domain in the response.

In the query, RCP-2 (Quantity Limited Response) is sent with the value 10^RD. Your supplier is expected to send a complete response in a single message and not use continuation.

2.5.1 References

ITI TF-2: 3.21

2.5.2 Instructions

To run this test, follow these steps using a DOS window or terminal emulator:

1. Set the current directory to \$MESA_TARGET/mesa_tests/iti/actors/*pd_supplier*.
2. The file *pd_supplier.cfg* describes the Patient Demographics Supplier for this test.
3. Make sure the MESA servers have been started. See section 1.4 for details.
4. Run the test script as follows:

```
perl scripts/pds_pdq.pl 11325 <log level>
```

where <log level> is a value between 1 and 4.

5. The test script will send one Patient Demographics Query to the PD Supplier under test.

2.5.3 Evaluation

To evaluate your response to this test:

1. Run the evaluation script

```
perl 11325/eval_11325.pl 4
```

2. The output file is 11325/grade_11325.txt. This test is successfully completed when the last line in the output file indicates 0 errors.
3. Submit the grade file to the Project Manager. The Project Manager may examine the file and require you to modify your query and/or to perform additional queries.

Notes:

1. The evaluation script takes a single argument, <log level>. When debugging output, it is sometimes helpful to use a log level of 1 to see only differences. When submitting results, we prefer the output with the most verbose level, 4.
2. If you want to see a response generated by a MESA PD Supplier, run test 11325 in self test mode. Then run the evaluation as above and examine the grade file. To run in self test mode:

```
perl scripts/pds_pdq.pl 11325 4 self
```

2.6 Test Case 11330: Complete ID Search - Multiple Domains

Not implemented in this release.

Test case 11330 covers a complete ID search where the domain of interest (QPD-8) is different from the Patient ID Domain associated with MSH-5 Receiving Application..

The MESA PD Consumer sends a Patient Demographics Query that includes a complete Patient ID:

```
PID.3.1 = PDQ113XX01
```

No other query keys are present.

The field QPD-8 has the value “ADT2” to specify that domain in the response. This is a different domain from the domain specified by MSH-5 Receiving Application.

In the query, RCP-2 (Quantity Limited Response) is sent with the value 10^RD. Your supplier is expected to send a complete response in a single message and not use continuation.

2.6.1 References

ITI TF-2: 3.21

2.6.2 Instructions

To run this test, follow these steps using a DOS window or terminal emulator:

1. Set the current directory to \$MESA_TARGET/ mesa_tests/iti/actors/pd_supplier.
2. The file *pd_supplier.cfg* describes the Patient Demographics Supplier for this test.
3. Make sure the MESA servers have been started. See section 1.4 for details.
4. Run the test script as follows:

```
perl scripts/pds_pdq.pl 11330 <log level>
```

where <log level> is a value between 1 and 4.

5. The test script will send one Patient Demographics Query to the PD Supplier under test.

2.6.3 Evaluation

To evaluate your response to this test:

1. Run the evaluation script

```
perl 11330/eval_11330.pl 4
```

2. The output file is 11330/grade_11330.txt. This test is successfully completed when the last line in the output file indicates 0 errors.
3. Submit the grade file to the Project Manager. The Project Manager may examine the file and require you to modify your query and/or to perform additional queries.

Notes:

1. The evaluation script takes a single argument, <log level>. When debugging output, it is sometimes helpful to use a log level of 1 to see only differences. When submitting results, we prefer the output with the most verbose level, 4.
2. If you want to see a response generated by a MESA PD Supplier, run test 11330 in self test mode. Then run the evaluation as above and examine the grade file. To run in self test mode:

```
perl scripts/pds_pdq.pl 11330 4 self
```

2.7 Test Case 11335: Partial ID Search - Single Domain

Test case 11335 covers a partial ID search within a single domain that is specified by the PD Consumer.

The MESA PD Consumer sends a Patient Demographics Query that includes a partial Patient ID:

```
PID.3.1 = PDQ113*
```

No other query keys are present.

The field QPD-8 has the value “^^^&1.3.6.1.4.1.21367.2005.1.1&ISO” to specify that domain in the response.

The query semantics for partial name matches are not defined in the Technical Framework. If your supplier expects a different query, you will need to contact the Project Manager to modify the test.

In the query, RCP-2 (Quantity Limited Response) is sent with the value 10^RD. Your supplier is expected to send a complete response in a single message and not use continuation.

2.7.1 References

ITI TF-2: 3.21

2.7.2 Instructions

To run this test, follow these steps using a DOS window or terminal emulator:

1. Set the current directory to \$MESA_TARGET/mesa_tests/iti/actors/pd_supplier.
2. The file *pd_supplier.cfg* describes the Patient Demographics Supplier for this test.

3. Make sure the MESA servers have been started. See section 1.4 for details.
4. Run the test script as follows:

```
perl scripts/pds_pdq.pl 11335 <log level>
```

where <log level> is a value between 1 and 4.
5. The test script will send one Patient Demographics Query to the PD Supplier under test.

2.7.3 Evaluation

To evaluate your response to this test:

1. Run the evaluation script

```
perl 11335/eval_11335.pl 4
```
2. The output file is 11335/grade_11335.txt. This test is successfully completed when the last line in the output file indicates 0 errors.
3. Submit the grade file to the Project Manager. The Project Manager may examine the file and require you to modify your query and/or to perform additional queries.

Notes:

1. The evaluation script takes a single argument, <log level>. When debugging output, it is sometimes helpful to use a log level of 1 to see only differences. When submitting results, we prefer the output with the most verbose level, 4.
2. If you want to see a response generated by a MESA PD Supplier, run test 11335 in self test mode. Then run the evaluation as above and examine the grade file. To run in self test mode:

```
perl scripts/pds_pdq.pl 11335 4 self
```

2.8 Test Case 11340: Date of Birth Search

Test case 11340 covers a Date of Birth search within a single domain. The user may specify the return domain (^^^&1.3.6.1.4.1.21367.2005.1.1&ISO) or leave that field empty.

The MESA PD Consumer sends a Patient Demographics Query that includes a patient DOB:

```
PID.7 = 19780920
```

No other query keys are present.

The field QPD-8 has the value “^^^&1.3.6.1.4.1.21367.2005.1.1&ISO” to specify that domain in the response or can be left empty.

2.8.1 References

ITI TF-2: 3.21

2.8.2 Instructions

To run this test, follow these steps using a DOS window or terminal emulator:

1. Set the current directory to \$MESA_TARGET/ mesa_tests/ iti/ actors/ pd_supplier.
2. The file *pd_supplier.cfg* describes the Patient Demographics Supplier for this test.
3. Make sure the MESA servers have been started. See section 1.4 for details.
4. Run the test script as follows:

```
perl scripts/pds_pdq.pl 11340 <log level>
```

where <log level> is a value between 1 and 4.

5. The test script will send one Patient Demographics Query to the PD Supplier under test.

2.8.3 Evaluation

To evaluate your response to this test:

1. Run the evaluation script

```
perl 11340/eval_11340.pl 4
```

2. The output file is 11340/grade_11340.txt. This test is successfully completed when the last line in the output file indicates 0 errors.
3. Submit the grade file to the Project Manager. The Project Manager may examine the file and require you to modify your query and/or to perform additional queries.

Notes:

1. The evaluation script takes a single argument, <log level>. When debugging output, it is sometimes helpful to use a log level of 1 to see only differences. When submitting results, we prefer the output with the most verbose level, 4.
2. If you want to see a response generated by a MESA PD Supplier, run test 11340 in self test mode. Then run the evaluation as above and examine the grade file. To run in self test mode:

```
perl scripts/pds_pdq.pl 11340 4 self
```

2.9 Test Case 11345: Age Range Search Search

Test case 11345 covers a search with a range of ages (30-40 years of age). This test is not defined as the mechanism for this is not defined in the Technical Framework.

2.9.1 References

2.9.2 Instructions

2.9.3 Evaluation

2.10 Test Case 11350: Multi Key Search 1

In test 11350, a Patient Demographics Consumer is required to send a search using two search keys, patient name and date of birth.

The MESA PD Consumer sends a Patient Demographics Query that includes a patient name and patient DOB

PID.5.1 = MOORE

PID.7 = 19380224

No other query keys should be present.

The field QPD-8 has the value “^^^&1.3.6.1.4.1.21367.2005.1.1&ISO” to specify that domain in the response.

2.10.1 References

ITI TF-2: 3.21

2.10.2 Instructions

To run this test, follow these steps using a DOS window or terminal emulator:

1. Set the current directory to \$MESA_TARGET/ mesa_tests/iti/actors/pd_supplier.
2. The file *pd_supplier.cfg* describes the Patient Demographics Supplier for this test.
3. Make sure the MESA servers have been started. See section 1.4 for details.
4. Run the test script as follows:

```
perl scripts/pds_pdq.pl 11350 <log level>
```

where <log level> is a value between 1 and 4.

5. The test script will send one Patient Demographics Query to the PD Supplier under test.

2.10.3 Evaluation

To evaluate your response to this test:

1. Run the evaluation script

```
perl 11350/eval_11350.pl 4
```

2. The output file is 11350/grade_11350.txt. This test is successfully completed when the last line in the output file indicates 0 errors.

3. Submit the grade file to the Project Manager. The Project Manager may examine the file and require you to modify your query and/or to perform additional queries.

Notes:

1. The evaluation script takes a single argument, <log level>. When debugging output, it is sometimes helpful to use a log level of 1 to see only differences. When submitting results, we prefer the output with the most verbose level, 4.
2. If you want to see a response generated by a MESA PD Supplier, run test 11350 in self test mode. Then run the evaluation as above and examine the grade file. To run in self test mode:

```
perl scripts/pds_pdq.pl 11350 4 self
```

2.11 Test Case 11355: Multi Key Search 2

In test 11355, a Patient Demographics Consumer is required to send a search using two search keys, patient name and date of birth.

The MESA PD Consumer sends a Patient Demographics Query that includes a patient name and patient address:

PID.5.1 = MOORE

PID.11.1 = 10 PINETREE

No other query keys are present.

The field QPD-8 has the value “^^^&1.3.6.1.4.1.21367.2005.1.1&ISO” to specify that domain in the response.

2.11.1 References

ITI TF-2: 3.21

2.11.2 Instructions

To run this test, follow these steps using a DOS window or terminal emulator:

1. Set the current directory to \$MESA_TARGET/ mesa_tests/iti/actors/pd_supplier.
2. The file *pd_supplier.cfg* describes the Patient Demographics Supplier for this test.
3. Make sure the MESA servers have been started. See section 1.4 for details.
4. Run the test script as follows:

```
perl scripts/pds_pdq.pl 11355 <log level>
```

where <log level> is a value between 1 and 4.

5. The test script will send one Patient Demographics Query to the PD Supplier under test.

2.11.3 Evaluation

To evaluate your response to this test:

1. Run the evaluation script

```
perl 11355/eval_11355.pl 4
```

2. The output file is 11355/grade_11355.txt. This test is successfully completed when the last line in the output file indicates 0 errors.
3. Submit the grade file to the Project Manager. The Project Manager may examine the file and require you to modify your query and/or to perform additional queries.

Notes:

1. The evaluation script takes a single argument, <log level>. When debugging output, it is sometimes helpful to use a log level of 1 to see only differences. When submitting results, we prefer the output with the most verbose level, 4.
2. If you want to see a response generated by a MESA PD Supplier, run test 11360 in self test mode. Then run the evaluation as above and examine the grade file. To run in self test mode:

```
perl scripts/pds_pdq.pl 11355 4 self
```

2.12 Test Case 11360: Attending Doctor

In test 11360, a Patient Demographics Consumer is required to send a Patient Demographics and Visit Query Search.

No other query keys should be present.

2.12.1 References

ITI TF-2: 3.22

2.12.2 Instructions

To run this test, follow these steps using a DOS window or terminal emulator:

1. Set the current directory to \$MESA_TARGET/ mesa_tests/iti/actors/pd_supplier.
2. The file *pd_supplier.cfg* describes the Patient Demographics Supplier for this test.
3. Make sure the MESA servers have been started. See section 1.4 for details.
4. Run the test script as follows:

```
perl scripts/pds_pdq.pl 11360 <log level>
```

where <log level> is a value between 1 and 4.

5. The test script will send one Patient Demographics Query to the PD Supplier under test.

2.12.3 Evaluation

To evaluate your response to this test:

4. Run the evaluation script

```
perl 11360/eval_11360.pl 4
```

5. The output file is 11360/grade_11360.txt. This test is successfully completed when the last line in the output file indicates 0 errors.
6. Submit the grade file to the Project Manager. The Project Manager may examine the file and require you to modify your query and/or to perform additional queries.

Notes:

1. The evaluation script takes a single argument, <log level>. When debugging output, it is sometimes helpful to use a log level of 1 to see only differences. When submitting results, we prefer the output with the most verbose level, 4.
2. If you want to see a response generated by a MESA PD Supplier, run test 11360 in self test mode. Then run the evaluation as above and examine the grade file. To run in self test mode:

```
perl scripts/pds_pdq.pl 11360 4 self
```

2.13 Test Case 11365: Continuation Test 1

Test 11365 is a test of the HL7 Continuation Protocol. In this test, the MESA Patient Demographics Consumer configures the query with a specific limit of one record. The query is a wildcard query by last name:

```
PID.5.1 = MOO*
```

No other query keys are present.

Field RCP-2 contains the value 1^RD to indicate one record per response.

The field QPD-8 has the value “^^^&1.3.6.1.4.1.21367.2005.1.1&ISO” to specify that domain in the response.

The query semantics for partial name matches are not defined in the Technical Framework. If your supplier expects a different query, you will need to contact the Project Manager to modify this test.

There should be 4 records that match this query. The PD Supplier should return 4 separate RSP messages, each with a single response. The first 3 RSP messages will contain a continuation pointer. The 4th response might contain a continuation pointer; in that case, one would expect a 5th response that has no patient records.

2.13.1 References

ITI TF-2: 3.21.4.1.2.3.2

2.13.2 Instructions

To run this test, follow these steps using a DOS window or terminal emulator:

1. Set the current directory to \$MESA_TARGET/ mesa_tests/iti/actors/pd_supplier.
2. The file *pd_supplier.cfg* describes the Patient Demographics Supplier for this test.
3. Make sure the MESA servers have been started. See section 1.4 for details.
4. Run the test script as follows:

```
perl scripts/pds_pdq.pl 11365 <log level>
```

where <log level> is a value between 1 and 4.

5. The test script will send one Patient Demographics Query to the PD Supplier under test.

2.13.3 Evaluation

To evaluate your response to this test:

1. Run the evaluation script

```
perl 11365/eval_11365.pl 4
```

2. The output file is 11365/grade_11365.txt. This test is successfully completed when the last line in the output file indicates 0 errors.
3. Submit the grade file to the Project Manager. The Project Manager may examine the file and require you to modify your query and/or to perform additional queries.

Notes:

1. The evaluation script takes a single argument, <log level>. When debugging output, it is sometimes helpful to use a log level of 1 to see only differences. When submitting results, we prefer the output with the most verbose level, 4.
2. If you want to see a response generated by a MESA PD Supplier, run test 11365 in self test mode. Then run the evaluation as above and examine the grade file. To run in self test mode:

```
perl scripts/pds_pdq.pl 11365 4 self
```