



Medication History for Populations (Panel)

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1. Medication History for Populations (Panel) Overview

Product Overview

The Surescripts Medication History for Populations (Panel) service assists health systems, hospitals, and risk-bearing groups to better manage the health of their patient populations. Panel provides Accountable Care Organizations (ACOs) and other healthcare entities with the electronic delivery of historical PBM/payer claim data and/or pharmacy fill data. The customer sends a Patient File Load with a list of patients and will receive back a validation response file. A file containing a Medication History Response (RxHistoryResponse) for each of the patients in the Patient File Load is then created by Surescripts for the customer to retrieve.

About This Guide

The Surescripts Medication History for Populations (Panel) Implementation Guide was created to assist customers in developing software used to deliver historical claim data directly from PBM/payers, and fill data from pharmacies, for customer-defined populations directly to ACOs and other healthcare entities as well as to third party vendor resellers for use in analysis.

The audience for this document includes any customer responsible for developing a system interface for these electronic messages.

Note: Throughout the remainder of the guide the "Medication History for Populations (Panel)" product will be referred to as "Panel".

Document References

Please refer to the following documents when reading this guide:

Surescripts provided materials

Connectivity and Authentication Guide

Medication History for Populations (Prescription Notifications) Implementation Guide

2. Product Integration & Production

Integration Process

Once Surescripts assigns an Integration resource, customers will be contacted to begin the project(s) and will be guided through the Surescripts Integration process. The Integration resource will provide Surescripts documentation, product education, access to the Surescripts staging environment, assistance during design and development milestones, and testing to prepare for . The Integration resource will perform testing and, once successful, will provide the customer access to the Surescripts production environment.

Note: The time frame of the project can vary depending on the customer's resource allocation for the project.

Meeting Requirements

During Integration, customers undergo testing to demonstrate all requirements are met. focuses on message format and, when appropriate, application workflow and display in accordance with Surescripts documentation. Upon successful completion of and, when applicable, other pre-production network requirements (e.g., Identity Proofing, DEA audit), customers will be enabled in production.

For requirements, consider the following:

- Surescripts business rules are data validations applied by Surescripts based upon the schema defined syntax rules that will cause a message to be successful or rejected.
- Surescripts test cases do not cover all possible scenarios in production. Customers are responsible for testing all scenarios specific to their production environment.
- In accordance with the customer's legal agreement with Surescripts, each customer is responsible for ensuring compliance with all applicable laws including, but not limited to, local and state laws/regulations where doing business.

Surescripts Terminology Usage

Requirements that are enforced as part of the production code are denoted as "must" and will have to be met to successfully complete validation. "Should" is used for guidance or best practices. See the following chart for terminology usage in this implementation guide.

Term	Term Usage
must	Requirements that are enforced as part of the production code.
should	Used for guidance and best practices. Best practices can also be found in Best Practice sections. Customers are encouraged, but not required, to meet best practices to be certified on the Surescripts network.

Transition to Production

Once the customer contract is complete and the is approved by the Surescripts Certification Review Board, the customer is ready to move into production. Surescripts will configure the production connection and validate successful operations with the customer. Prior to the transition to production, Surescripts Account Management will work with the customer and internal Surescripts teams to discuss the following:

- Production support contacts (Escalation Matrix)
- Support process and training
- Support hours

Secure FTP

Contact your Surescripts Integration resource for Secure FTP requirements.

UTC Time Format

By using Coordinated Universal Time (UTC), the receiver of a message will know the time regardless of their time zone. For example: If a message was sent from Boston at 5:30PM EDT (Eastern Daylight Time), the time would be sent as 21:30 UTC time. If this message was received in Chicago CDT (Central Daylight Time), the 21:30 UTC could be converted to the local CDT time of 4:30PM. Refer to http://en.wikipedia.org/wiki/Coordinated_Universal_Time, or <http://www.w3.org/XML/> for more information. Synchronize UTC time with NIST (National Institute of Standards and Technology). Drift of no more than one minute will be acceptable.

When sending only a Date (not Date and Time), it should be sent in your local time zone, and the receiver should interpret it in their local time. Neither party should attempt to convert the Date to UTC.

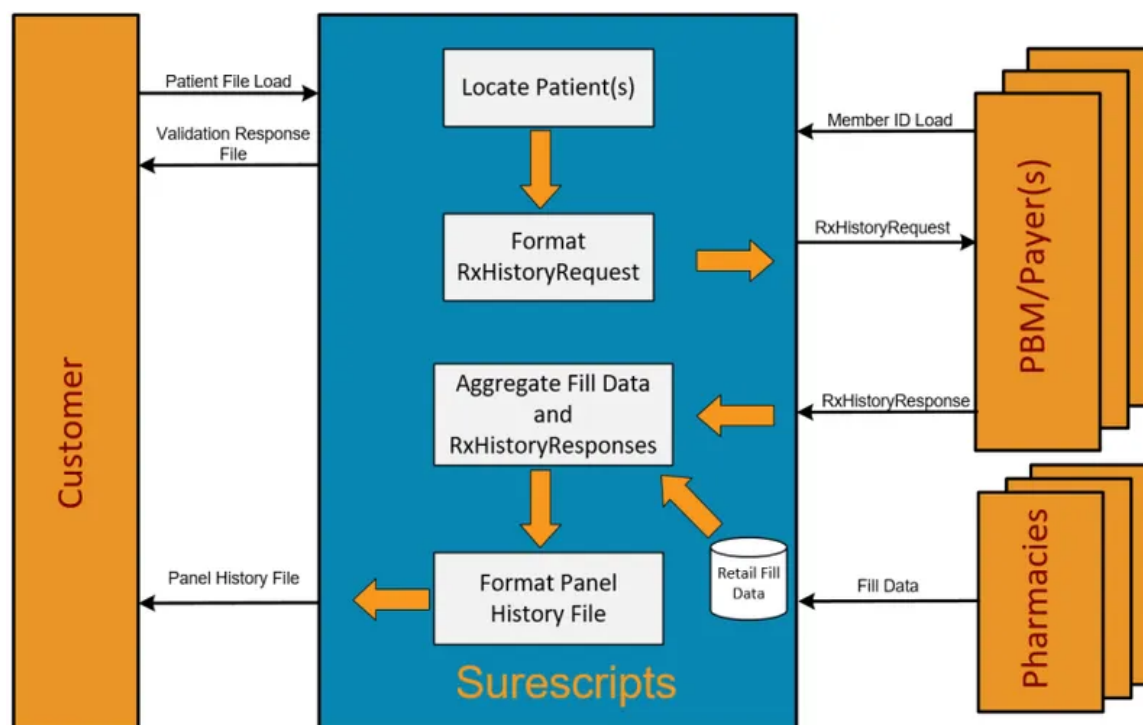
All standard programming languages should have a function for generating a date in the UTC time zone or displaying a date in the local time zone. The format of the date/time fields in the XML schema must use the `xsd:dateTime` format. Examples of that format are: `CCYY-MM-DDTHH:MM:SS.FZ`, where the UTC time zone may be specified as `Z`, `+ 00:00`, or `- 00:00`. For example, `2013-01-01T16:09:04.5Z`, or `2013-01-01T16:09:04.5-00:00`, or `2013-01-01T16:09:04.5+00:00`, where `16:09:04.5Z` would be 16 hours, 09 minutes, 04 seconds, 5 fractional seconds. UTC time is denoted by either the `"Z"` in the first example or the `"-00:00"` in the second example, or the `" +00:00"` in the third example. The fractional seconds is not required. Refer to `xsd:dateTime` for more information.

For simple date fields that do not include the time portion, the format is: `CCYY-MM-DD`.

3. Process Overview

Process Flow

The graphic below depicts the process flow between customers in this process.



The following steps depict the process flow:

1. The customer pushes the Patient File Load to Surescripts in the SFTP folder. Refer to the Surescripts Patient File Load Supplement document for more information.
2. Surescripts generates and posts a Validation Response File in the SFTP folder for retrieval which notifies the customer that the Patient File was received. The response file provides details into any errors that were encountered during the input panel validation. Panel user should plan to resubmit the records with errors after correcting the error. For example, a record rejected due to invalid zip code format.
3. Surescripts retrieves and aggregates available Fill Data and claims Medication History data for all successfully loaded patients listed on the Patient File.

Note: Surescripts looks up Master Patient Index (MPI). For patients found, medication history request is routed to the appropriate PBM/payer for processing. For fill data, the request is handled by Surescripts internally using the pharmacy database. The pharmacy database is updated regularly by Pharmacy fill data load.

4. Surescripts generates and posts the Panel History File for the customer to access in the SFTP folder. All file load request are queued for processing and are processed in the order in which they are staged. The final response appears within 24 to 36 hrs from the time they submitted the file load.
5. The customer retrieves Panel History File from the SFTP folder.

Patient File Load

The Medication History for Populations Patient File Load process via the SFTP folder is used by customers to enroll patients. Refer Medication History for populations Patient File Load Sup IG for details.

Note: Please make sure to contact your Surescripts Integration resource to assure you have met the requirements described in this section.

Name	Description
Timing	Panel user will determine the timing of sending the file to Surescripts.
SFTP Folder	File locations: - Incoming files location – /to_surescripts (Permission: upload) - Outgoing files location – /from_surescripts (Permission: download, delete) - History file location – /history (internal use)
SFTP Tips	- Clients will post files to the 'to_surescripts' folder. - Clients have view only rights on the 'history' folder. This folder contains a copy of client files. The Surescripts system will automatically purge files that are older than 14 days. - Clients have download, delete rights on the 'from_surescripts' folder. This folder contains the Surescripts response files. Clients could remove files permanently; else, the Surescripts system will automatically purge files that are older than 14 days.

File Validation

Surescripts will ensure that customers are in compliance with the filespecifications outlined in this Guide during Integration Testing and will continue to enforce once in production.

At a minimum, Surescripts validations include:

- The sender identification and authentication
- The recipient identification
- Syntax of the message, including field lengths, data types, and code values
- Surescripts business rules

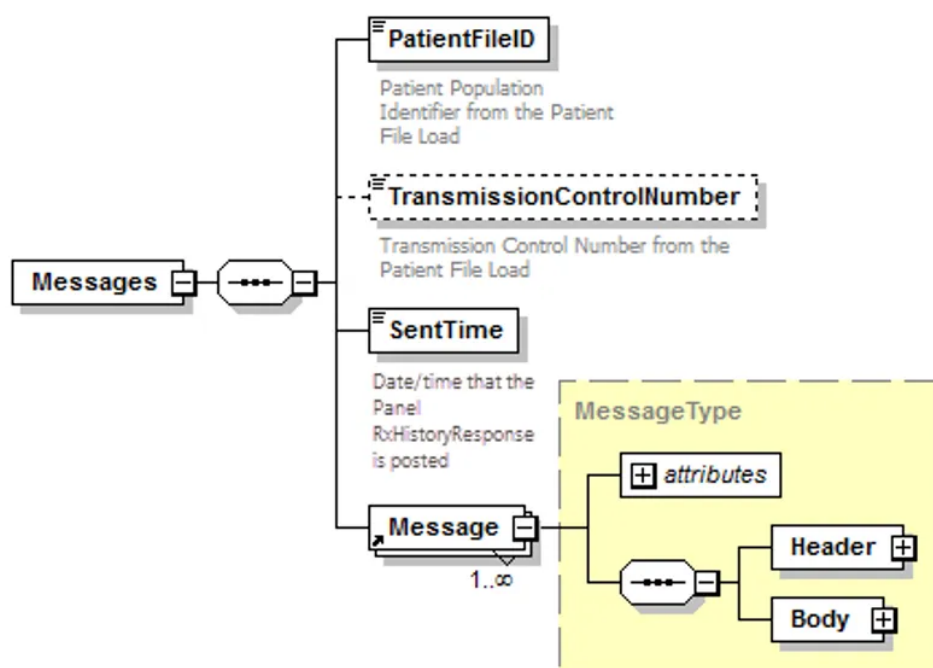
4. File Overview

Note: Refer to the [Panel History File Examples](#) section of this guide to view the example XML code.

File Header (Surescripts XML Schema)

Surescripts uses an overall file header for each file, and every file contains a set of messages. Each message contains a common message header, which is described further in [Message Header \(NCPDP XML Schema\)](#).

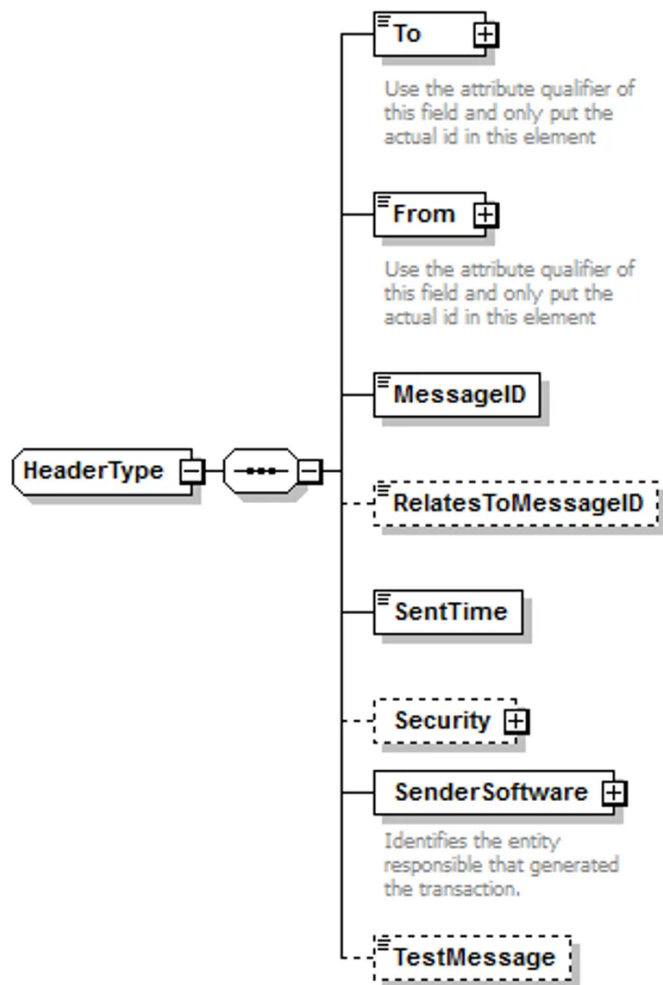
In the following diagram, blocks that are solid are mandatory, whereas blocks that have dotted lines are conditional.



Message Header (NCPDP XML Schema)

Surescripts uses a message header for all messages. For Panel, a message header is included in each patient's RxHistoryResponse. The message header, also called the XML wrapper, follows the NCPDP SCRIPT standard version 10.6 with one addition; the SenderSoftware element, which was added in the NCPDP SCRIPT standard version 10.7.

In the following diagram, blocks that are solid are mandatory, whereas blocks that have dotted lines are conditional.



Panel History File

The Panel History File is created by Surescripts and contains an NCPDP RxHistoryResponse for each patient in the Patient File that was sent by the customer and successfully passed validation. Each RxHistoryResponse contains aggregated claim and fill data for one patient. All of the RxHistoryResponses are concatenated together to create a single Response file for all patients that were listed in the corresponding patient file.

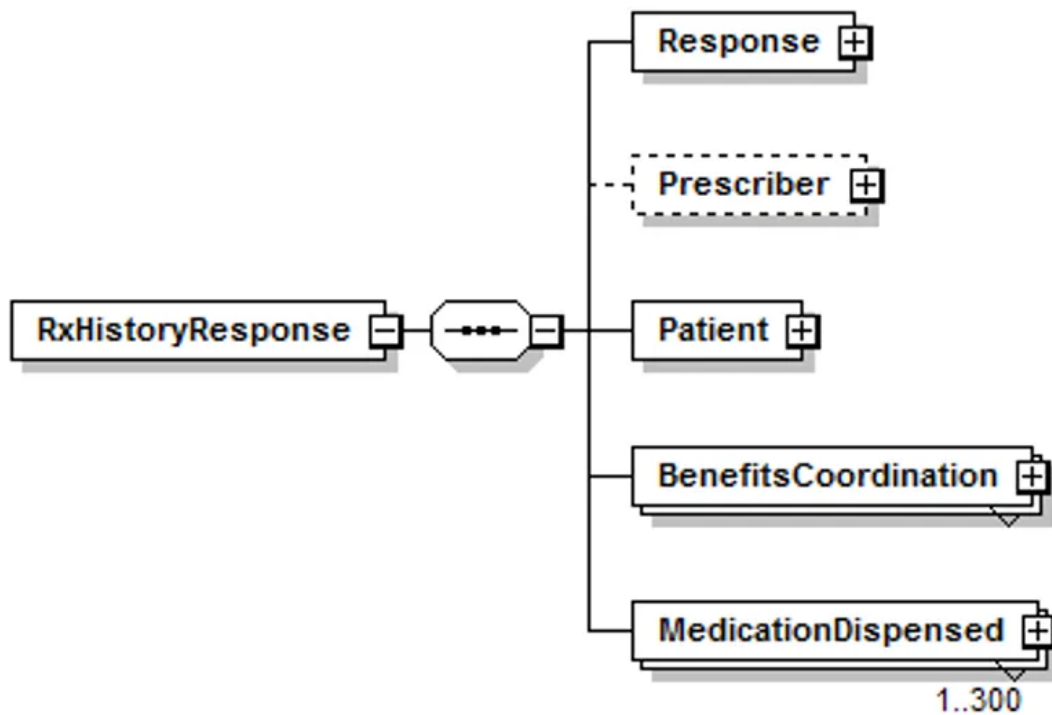
Up to 300 medication records can be sent in a single RxHistoryResponse. In the case where the patient has more than 300 medication records, a second RxHistoryResponse will be sent. A maximum of two RxHistoryResponses, with up to 600 medication records, is allowed.

Note: If a second RxHistoryResponse is sent for the same patient, this is not an error, but an indication that the patient has more than 300 medication records.

RxHistory Response (XML)

In the following diagram, blocks that are solid are mandatory, whereas blocks that have dotted lines are conditional.

Note: The MedicationPrescribed element is not used for Panel.



RxHistory Response File Naming and Formats

The RxHistory Response File naming convention is: <PatientPopulationIdentifier from the Panel Management Load Delimited File> <Surescripts' assigned ID>_<yyyyMMddHHmmss>.gz

Example RxHistory Response File name:

ACO132PatientPopulationA12345_20141204012025.gz

5. Messages Overview

Message Descriptions

RxHistoryRequest

The provider sends patient demographic information in the RxHistoryRequest message. Providers can request up to 12 months of history from the date of the request.

Note: In an acute setting, if the patient encounter spans multiple days, Medication History Requests should be sent no more than twice during the patient's stay.

RxHistoryResponse

The RxHistoryResponse message returns information about outpatient prescriptions that the patient's PBM/payer has paid for over a selected period of time and contains retail fill data from pharmacies connected to Surescripts for Medication History.

Up to 600 medications are returned within the dates requested within the last 12 months, starting with the most recent.

Notes:

- When more than 300 medications are available, Surescripts will return a More Medications Available response in the Approved/ReasonCode (AQ - More Medication History Available).
- PBM/payers returning an Approved/ReasonCode = AQ will continue to receive RxHistoryRequests from Surescripts until a total of up to 600 medications have been returned.

Data Deduplication and Augmentation Information

Data deduplication and augmentation are optional features and require no configuration or certification by the provider vendor. The customer may opt-in to one or both features.

- **Data deduplication:** Surescripts removes duplicate medication history dispense data across data sources. A duplicate medication record is defined as the same medication for the same patient, written by the same provider, dispensed on the same day at the same pharmacy.
- **Data augmentation:** Surescripts adds data to missing fields from data suppliers. For example, by adding address or phone in the Pharmacy or Prescriber segment.

Notes:

- Surescripts will never over-write or replace existing data from data suppliers.
- Logic used to identify duplicates and data fields augmented is subject to change. Please work with a Surescripts Account Manager or Integration resource for more information.

6. Message Element Detail Tables

Requirement Designation

Element Attributes

Code	Description
mandatory	The element must be used per the specification (e.g., XML schema validation). Note: The term mandatory applies to mandatory and required fields in the different standards. For example, NCPDP uses the term mandatory, while FHIR uses the term required.
conditional	The element must be used per the conditions specified. Note: The term conditional applies to conditional and situational fields in the different standards. For example, NCPDP uses the term conditional, while X12 uses the term situational.
business rule	If sent, the element must be used per the Surescripts business rule.

Note: This guide includes data elements only where Surescripts has specific requirements or further explains the field usage. Refer to the schema for a complete list of fields.

Message Header Elements

Element	Code	Comments
To	mandatory	This field contains the identification of the receiver. This field is used in conjunction with To/@Qualifier, which qualifies which ID was used. Response messages will contain the Panel user Participant or customer ID assigned by Surescripts.
@Qualifier	conditional	business rule If the To field is sent, then the Qualifier must also be sent. Value: ZZZ = Mutually Defined
From	mandatory	This field is used in conjunction with From/@Qualifier, which qualifies which ID was used. Response messages will contain S000000000000003.
@Qualifier	conditional	business rule If the From field is sent, then the Qualifier must also be sent. Value: ZZZ = Mutually defined
MessageID	mandatory	Unique MessageID, reference for support to lookup medication history transaction.
RelatesToMessageID	conditional	References for support to lookup for medication history transaction.
SentTime	mandatory	Date and time the medication history message was sent. Please see UTC Time Format section.
TestMessage	conditional	Staging or Production platform Indicator Values: 1 = Test (Staging environment.) 0 = Live (Production)

RxHistoryResponse Message Body Elements

Element	Code	Comments
Response	mandatory	
Approved	mandatory	
ApprovalReasonCode	conditional	When AQ (More History Available) is present in the ApprovalReasonCode, a second Panel RxHistoryResponse will be sent from Surescripts to the customer for the same patient.
Note	conditional	Refer to the RxHistoryResponse Note Descriptions table for details.
Prescriber	conditional	
Identification	conditional	
NPI	mandatory	The NPI for organization or individual prescriber provided in the file load from Panel user. NPI provided will be validated against the National Provider Identification file and mapped to the outgoing medication history request to Panel data supplier. https://nppes.cms.hhs.gov/#/
Name	conditional	
LastName	conditional	LastName (organization name or prescriber last name)
Patient	mandatory	
Identification	conditional	
MutuallyDefined	mandatory	business rule The Patient ID provided in the Patient Load File will be populated in the MutuallyDefined identification field.
Name	conditional	Includes the patient demographics provided in File load by Panel user.
LastName	conditional	Patient last name
FirstName	conditional	Patient first name
Gender	conditional	Patient Gender
DateOfBirth	conditional	Patient DOB

Element	Code	Comments
Address	conditional	
Zipcode	conditional	Patient zip code
BenefitsCoordination	mandatory	
EffectiveDate	mandatory	EffectiveDate is the beginning date for the desired history (up to one year ago from requested date). Example: Effective Date 2019-02-06
ExpirationDate	mandatory	ExpirationDate is the end date for the desired history. This is set to the date the medication history was initiated for the initial request. If the "AQ" indicator was in the ApprovalReasonCode of the first response message, this would be set to the last drug's LastFillDate. Examples: Message 1 with 300 medication dispensed records and AQ indicator. ExpirationDate set to requested date 2019-02-06 LastFillDate of the last drug in Message 1 is 2019-04-03 Message 2 with remaining medication dispensed records. Expiration Date of second response is 2019-04-03, set to LastFillDate of last drug of Message 1.
Consent	conditional	Patient Consent Indicator Values: Y
MedicationDispensed	mandatory	See section below for details.

MedicationDispensed Elements

Zero to 300 loops of the drugs in the patient's history. If there are more than 300 drugs in the patient's history, a second RxHistoryResponse will be included in the Panel History File. The most recent drug according to date filled is shown first.

Element	Code	Comments
Medication Dispensed	mandatory	Dispensed Medication within the RxHistoryResponse message.
DrugDescription	mandatory	Drug name. The item or drug description field should include the standardized drug name including strength and form from a Surescripts approved drug compendia. Example: fentanyl 25 mcg/hr transdermal patch
DrugCoded	conditional	
ProductCode	conditional	ProductCode is the 11 digit NDC Note: When this is all 9s for the NDC and this is for fill data, this means that the prescription is a compound.
ProductCodeQualifier	conditional	ProductCodeQualifier value is ND, indicating it is NDC11
Strength	conditional	Strength indicates the measurement value
DEASchedule	conditional	DEASchedule is populated by the system generating the message, and would utilize the Federal DEA Schedule classification code list, based on federal classification of the medication or the state reclassification of the medication. For a complete list of values, see the NCPDP External Code List (7996). Example: C48675
Quantity	conditional	Use the NCPDP QuantityUnitOfMeasure Terminology rows from the downloaded data. For a list of codes, go to: http://evs.nci.nih.gov/ftp1/NCPDP/About.html .
Value	mandatory	Example: 10
CodeListQualifier	mandatory	Values: 87 = Quantity Received
UnitSourceCode	mandatory	AC = Potency Unit
PotencyUnitCode	mandatory	Use the NCPDP QuantityUnitOfMeasure Terminology rows from the downloaded data. For a list of codes, go to: http://evs.nci.nih.gov/ftp1/NCPDP/About.html . Example: C48524
DaysSupply	conditional	Example: 30
Directions	conditional	SIG instructions
Refills	conditional	

Element	Code	Comments
Qualifier	mandatory	Qualifier REM = Remaining number of Refills
Value	conditional	Example: 0
Substitutions	conditional	Example: 0
WrittenDate	conditional	
Date	mandatory	Example: 2019-04-14
LastFillDate	mandatory	
Date	mandatory	Example: 2020-02-05
SoldDate	conditional	
Date	mandatory	Example: 2020-01-30
Pharmacy	conditional	Dispensing pharmacy segment including the details of identification, name, address and communication numbers. Refer to the File Examples to view how element values could appear.
Identification	conditional	
NCPDPID	mandatory	
StoreName	conditional	
Address	conditional	
AddressLine1	conditional	
City	conditional	
State	conditional	
Zipcode	conditional	

Element	Code	Comments
CommunicationNumbers	conditional	
Communication	mandatory	
Number	mandatory	
Qualifier	mandatory	
Prescriber	conditional	Prescribing physician segment including the details of identification, name, address and communication numbers. Refer to the File Examples to view how element values could appear.
Identification	conditional	
NPI	mandatory	
DEANumber	mandatory	
Name	conditional	
LastName	conditional	
FirstName	conditional	
MiddleName	conditional	
Address	conditional	
AddressLine1	conditional	
City	conditional	
State	conditional	
ZipCode	conditional	
CommunicationNumber	conditional	

Element	Code	Comments
s		
Communication	mandatory	
Number	mandatory	
Qualifier	mandatory	
HistorySource	conditional	This is the source and fill number information for the medication listed.
Source	conditional	
SourceQualifier	mandatory	SourceQualifier Qualifies the Source Description. • P2 – Pharmacy • PY – PBM/Payer
SourceDescription	conditional	SourceDescription is the name of medication history source. Pharmacy or Payer/PBM Name.
Reference	conditional	
IDValue	mandatory	
IDQualifier	mandatory	• Pharmacy value of D3 should be used with the NCPDP ID • Payer value of 2U should be used with the Surescripts Participant ID
SourceReference	conditional	Prescription Number associated to medication history record. If the submitter chooses to send this field and SourceQualifier is "P2", then it should be populated with the pharmacy prescription number. If the submitter chooses to send this field and SourceQualifier is "PY", then it should be populated with prescription number from PBM/payer system from claims processing.
FillNumber	conditional	Defines the dispensing episode as an initial fill or an authorized refill. If this field is sent for fill data, it will contain the fill number from the pharmacy. If this field is sent for claim data, it will contain pharmacy's fill number from the PBM/payer system from claims processing. Values: • 00 = Initial fill • 01 = First refill • 02 = Second refill, etc. • Allowed values 00 thru 99

- Panel History File XML Document Structure
- File Identifier with Date Sent
- From Pharmacy Feed
- From PBM/Payer Care Feed
- Patient Not Found
- Approved With Notes
- AQ Reason Code
- DJ Reason Code

Messages				
= xmlns:xsi	http://www.w3.org/2001/XMLSchema-instance			
= xsi:schemaLocation	http://www.surescripts.com/messaging MessagesWrapper.xsd			
= xmlns	http://www.surescripts.com/messaging			
<> PatientFileID	ADHOC			
<> TransmissionControlNum				
<> SentTime				
▲ Message (8)				
= xmlns	= release	= version	<> Header	<> Body
1 http://www.sur...messaging	006	010	▲ Header ▼ To Qualifier=ZZZ ▼ From Qualifier=ZZZ <> MessageID 2... <> RelatesToMessageID 2... <> SentTime 2... ▼ Security ▼ SenderSoftware <> TestMessage 0	▲ Body ▲ RxHistoryResponse ▼ Response ▼ Prescriber ▼ Patient ▼ BenefitsCoordination ▼ MedicationDispensed [57]
2 http://www.sur...messaging	006	010	▼ Header	▲ Body ▼ RxHistoryResponse
3 http://www.sur...messaging	006	010	▼ Header	▲ Body ▼ RxHistoryResponse
4 http://www.sur...messaging	006	010	▼ Header	▲ Body ▼ RxHistoryResponse

XML

```
<Messages xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.surescripts.com/messaging Messagesv1.xsd">
  <PatientFileID>ADHOC</PatientFileID>
  <TransmissionControlNumber>1234561234</TransmissionControlNumber>
  <SentTime>2020-02-08T05:08:10</SentTime>
```

From Pharmacy Feed

XML

```
<Message xmlns="http://www.surescripts.com/messaging" release="006" version="010">
  <Header>
    <To Qualifier="ZZZ">P00000000012345</To>
    <From Qualifier="ZZZ">S000000000000003</From>
    <MessageID>id3z8w35xkt03h2cb1yd3wobii0juedm</MessageID>
    <RelatesToMessageID>12345678:12345678:1234567812345</RelatesToMessageID>
    <SentTime>2020-02-08T04:38:41.076Z</SentTime>
    <Security>
      <Sender>
        <SecondaryIdentification>NOPASS</SecondaryIdentification>
      </Sender>
      <Receiver/>
    </Security>
    <SenderSoftware>
      <SenderSoftwareDeveloper>SenderSoftwareDev</SenderSoftwareDeveloper>
      <SenderSoftwareProduct>10.6 Version</SenderSoftwareProduct>
      <SenderSoftwareVersionRelease>10.1</SenderSoftwareVersionRelease>
    </SenderSoftware>
    <TestMessage>0</TestMessage>
  </Header>
  <Body>
    <RxHistoryResponse>
      <Response>
        <Approved/>
      </Response>
      <Prescriber>
        <Identification>
          <NPI>126566666</NPI>
        </Identification>
        <Name>
          <LastName>Dolittle</LastName>
        </Name>
        </Prescriber>
        <Patient>
          <Identification>
            <MutuallyDefined>1234567</MutuallyDefined>
          </Identification>
          <Name>
            <LastName>AUBAINE</LastName>
            <FirstName>CHENIN BLANC</FirstName>
          </Name>
          <Gender>F</Gender>
          <DateOfBirth>
            <Date>1991-07-21</Date>
          </DateOfBirth>
          <Address>
            <ZipCode>61761</ZipCode>
          </Address>
        </Patient>
        <BenefitsCoordination>
          <EffectiveDate>
            <Date>2019-02-08</Date>
          </EffectiveDate>
          <ExpirationDate>
            <Date>2019-03-08</Date>
          </ExpirationDate>
        </BenefitsCoordination>
      </Response>
    </RxHistoryResponse>
  </Body>
</Message>
```

```

    <Consent>Y</Consent>
  </BenefitsCoordination>
  <MedicationDispensed>
    <DrugDescription>SERTRALINE 60MG TABLETS</DrugDescription>
    <DrugCoded>
      <ProductCode>65862001305</ProductCode>
      <ProductCodeQualifier>ND</ProductCodeQualifier>
    </DrugCoded>
    <Quantity>
      <Value>90</Value>
      <CodeListQualifier>87</CodeListQualifier>
      <UnitSourceCode>AC</UnitSourceCode>
      <PotencyUnitCode>C64933</PotencyUnitCode>
    </Quantity>
    <DaysSupply>90</DaysSupply>
    <Directions>TAKE ONE TABLET TWO TIMES A DAY UNTIL GONE.</Directions>
    <Refills>
      <Qualifier>REM</Qualifier>
      <Value>0</Value>
    </Refills>
    <Substitutions>0</Substitutions>
    <WrittenDate>
      <Date>2019-12-15</Date>
    </WrittenDate>
    <LastFillDate>
      <Date>2019-12-15</Date>
    </LastFillDate>
    <SoldDate>
      <Date>2019-12-18</Date>
    </SoldDate>
    <Pharmacy>
      <Identification>
        <NCPDPID>1469123</NCPDPID>
        <NPI>1265437548</NPI>
      </Identification>
      <StoreName>Walgreens</StoreName>
      <Address>
        <AddressLine1>1525 N Main Pkwy</AddressLine1>
        <City>Bloomington</City>
        <State>IL</State>
        <ZipCode>61706</ZipCode>
      </Address>
      <CommunicationNumbers>
        <Communication>
          <Number>4012615689</Number>
          <Qualifier>TE</Qualifier>
        </Communication>
      </CommunicationNumbers>
    </Pharmacy>
    <Prescriber>
      <Identification>
        <NPI>8925170837</NPI>
        <DEANumber>FG1235179</DEANumber>
      </Identification>
      <Name>
        <LastName>PISCOPO</LastName>
        <FirstName>BOB</FirstName>
      </Name>
      <Address>

```

```

    <AddressLine1>1234 West DR</AddressLine1>
    <AddressLine2>STE E</AddressLine2>
    <City>Chicago</City>
    <State>IL</State>
    <ZipCode>617013552</ZipCode>
    <PlaceLocationQualifier>AD2</PlaceLocationQualifier>
  </Address>
  <CommunicationNumbers>
    <Communication>
      <Number>5864638356</Number>
      <Qualifier>TE</Qualifier>
    </Communication>
    <Communication>
      <Number>8863631812</Number>
      <Qualifier>FX</Qualifier>
    </Communication>
  </CommunicationNumbers>
</Prescriber>
<HistorySource>
  <Source>
    <SourceQualifier>P2</SourceQualifier>
    <SourceDescription>Walgreens</SourceDescription>
    <Reference>
      <IDValue>1469123</IDValue>
      <IDQualifier>D3</IDQualifier>
    </Reference>
  </Source>
  <SourceReference>309678</SourceReference>
  <FillNumber>01</FillNumber>
</HistorySource>
</MedicationDispensed>
</RxHistoryResponse>
</Body>
</Message>

```

From PBM/Payer Care Feed

Please refer to the example in [AQ Reason Code](#) where the **SourceQualifier** value is **PY**.

Note: If the submitter chooses to send the **SourceReference** field, and the **SourceQualifier** value is **PY**, then it should be populated with prescription number from PBM/payer system from claims processing.

Patient Not Found

XML

```
<Message xmlns="http://www.surescripts.com/messaging" release="006" version="010">
  <Header>
    <To Qualifier="ZZZ">P00000000012345</To>
    <From Qualifier="ZZZ">S000000000000009</From>
    <MessageID>8cww2ecxk97k4a3ibwmp1pt1mg124cdc</MessageID>
    <RelatesToMessageID>32345678:12345678:1234567812345</RelatesToMessageID>
    <SentTime>2020-02-08T04:44:58.232Z</SentTime>
    <Security>
      <Sender>
        <SecondaryIdentification>NOPASS</SecondaryIdentification>
      </Sender>
      <Receiver/>
    </Security>
    <SenderSoftware>
      <SenderSoftwareDeveloper>SenderSoftwareDev</SenderSoftwareDeveloper>
      <SenderSoftwareProduct>10.6 Version</SenderSoftwareProduct>
      <SenderSoftwareVersionRelease>10.1</SenderSoftwareVersionRelease>
    </SenderSoftware>
    <TestMessage>0</TestMessage>
  </Header>
  <Body>
    <RxHistoryResponse>
      <Response>
        <Approved>
          <Note>Patient Not Found.</Note>
        </Approved>
      </Response>
      <Prescriber>
        <Identification>
          <NPI>1265666666</NPI>
        </Identification>
        <Name>
          <LastName>Dolittle</LastName>
        </Name>
        </Prescriber>
        <Patient>
          <Identification>
            <!--Note: This Mutually Defined field is the patient's id from the input patient file. It is not required by the standard-->
            <MutuallyDefined>7654321</MutuallyDefined>
          </Identification>
          <Name>
            <!--Note: First Name, Last Name, Date of Birth, Gender and Zip Code are required on the Patient File Load. These are not required by the standard-->
            <LastName>Bandit</LastName>
            <FirstName>Smokey</FirstName>
          </Name>
          <Gender>M</Gender>
          <DateOfBirth>
            <Date>1940-04-27</Date>
          </DateOfBirth>
          <Address>
            <ZipCode>60131</ZipCode>
          </Address>
        </Patient>
        <BenefitsCoordination>
          <!--Note: The benefits coordination fields are not required by the standard on a med history response but will be populated-->
          <EffectiveDate>
```

```
<Date>2019-02-08</Date>
</EffectiveDate>
<ExpirationDate>
  <Date>2020-02-08</Date>
</ExpirationDate>
<Consent>Y</Consent>
</BenefitsCoordination>
</RxHistoryResponse>
</Body>
</Message>
```

Approved With Note

XML

```
<Message xmlns="http://www.surescripts.com/messaging" release="006" version="010">
  <Header>
    <To Qualifier="ZZZ">P00000000012345</To>
    <From Qualifier="ZZZ">S000000000000009</From>
    <MessageID>w14hsx68yfwgk1gfaxups68io4rbx6f</MessageID>
    <RelatesToMessageID>22345678:12345678:1234567812345</RelatesToMessageID>
    <SentTime>2020-02-08T04:17:47.979Z</SentTime>
    <Security>
      <Sender>
        <SecondaryIdentification>NOPASS</SecondaryIdentification>
      </Sender>
      <Receiver/>
    </Security>
    <SenderSoftware>
      <SenderSoftwareDeveloper>SenderSoftwareDev</SenderSoftwareDeveloper>
      <SenderSoftwareProduct>10.6 Version</SenderSoftwareProduct>
      <SenderSoftwareVersionRelease>10.1</SenderSoftwareVersionRelease>
    </SenderSoftware>
    <TestMessage>0</TestMessage>
  </Header>
  <Body>
    <RxHistoryResponse>
      <Response>
        <Approved>
          <Note>Although a patient record was found, no medications were available.</Note>
        </Approved>
      </Response>
      <Prescriber>
        <Identification>
          <NPI>126566666</NPI>
        </Identification>
        <Name>
          <LastName>Dolittle</LastName>
        </Name>
        </Prescriber>
        <Patient>
          <Identification>
            <!--Note: This Mutually Defined field is the patient's id from the input patient file. It is not required by the standard-->
            <MutuallyDefined>123456</MutuallyDefined>
          </Identification>
          <Name>
            <!--Note: First Name, Last Name, Date of Birth, Gender and Zip Code are required on the Patient File Load. These are not required by the standard-->
            <LastName>BRIGHTONrighton</LastName>
            <FirstName>JOEL</FirstName>
          </Name>
          <Gender>M</Gender>
          <DateOfBirth>
            <Date>1968-05-19</Date>
          </DateOfBirth>
          <Address>
            <ZipCode>90210</ZipCode>
          </Address>
        </Patient>
        <BenefitsCoordination>
          <!--Note: The benefits coordination fields are not required by the standard on a med history response but will be populated-->
          <EffectiveDate>

```

```

        <Date>2019-02-08</Date>
      </EffectiveDate>
      <ExpirationDate>
        <Date>2020-02-08</Date>
      </ExpirationDate>
      <Consent>Y</Consent>
    </BenefitsCoordination>
  </RxHistoryResponse>
</Body>
</Message>

```

AQ Reason Code (Patient Has Over 300 Meds)

XML

```

<Message xmlns="http://www.surescripts.com/messaging" release="006" version="010">
  <Header>
    <To Qualifier="ZZZ">P000000000022835</To>
    <From Qualifier="ZZZ">S000000000000003</From>
    <MessageID> id3z8w35xkt03h2cb1yd3wobii0juedm</MessageID>
    <RelatesToMessageID>12345678:12345678:1234567812345</RelatesToMessageID>
    <SentTime>2020-02-08T04:38:41.076Z </SentTime>
    <Security>
      <Sender>
        <SecondaryIdentification>NOPASS</SecondaryIdentification>
      </Sender>
      <Receiver/>
    </Security>
    <SenderSoftware>
      <SenderSoftwareDeveloper>SenderSoftwareDev</SenderSoftwareDeveloper>
      <SenderSoftwareProduct>10.6 Version</SenderSoftwareProduct>
      <SenderSoftwareVersionRelease>10.1</SenderSoftwareVersionRelease>
    </SenderSoftware>
    <TestMessage>0</TestMessage>
  </Header>

```

Response 1 Containing AQ Reason Code

XML

```
<Body>
  <RxHistoryResponse>
    <Response>
      <Approved>
        <ApprovalReasonCode>AQ</ApprovalReasonCode>
      </Approved>
    </Response>
    <Prescriber>
      <Identification>
        <NPI>1265666666</NPI>
      </Identification>
      <Name>
        <LastName>Dolittle</LastName>
      </Name>
    </Prescriber>
    <Patient>
      <Identification>
        <MutuallyDefined>1234567</MutuallyDefined>
      </Identification>
      <Name>
        <LastName>PENNINGTON</LastName>
        <FirstName>REN</FirstName>
      </Name>
      <Gender>F</Gender>
      <DateOfBirth>
        <Date>1975-06-28</Date>
      </DateOfBirth>
      <Address>
        <ZipCode>55555</ZipCode>
      </Address>
    </Patient>
    <BenefitsCoordination>
      <EffectiveDate>
        <Date>2019-02-06</Date>
      </EffectiveDate>
      <ExpirationDate>
        <Date>2020-02-06</Date>
      </ExpirationDate>
      <Consent>Y</Consent>
    </BenefitsCoordination>
    <MedicationDispensed>
      <!--Note: This message would continue on to include 300 total dispensed medications.-->
```

Response 2 (Remaining Dispensed Medications up to 300)

XML

```

<Body>
  <RxHistoryResponse>
    <Response>
      <Approved/>
    </Response>
    <Prescriber>
      <Identification>
        <NPI>1265666666</NPI>
      </Identification>
      <Name>
        <LastName>Dolittle</LastName>
      </Name>
    </Prescriber>
    <Patient>
      <Identification>
        <MutuallyDefined>2101111</MutuallyDefined>
      </Identification>
      <Identification>
        <MutuallyDefined>1234567</MutuallyDefined>
      </Identification>
      <Name>
        <LastName>PENNINGTON</LastName>
        <FirstName>REN</FirstName>
      </Name>
      <Gender>F</Gender>
      <DateOfBirth>
        <Date>1975-06-28</Date>
      </DateOfBirth>
      <Address>
        <ZipCode>55555</ZipCode>
      </Address>
    </Patient>
    <BenefitsCoordination>
      <EffectiveDate>
        <Date>2019-02-06</Date>
      </EffectiveDate>
      <ExpirationDate>
        <Date>2019-04-03</Date>
      </ExpirationDate>
      <Consent>Y</Consent>
    </BenefitsCoordination>
    <MedicationDispensed>
      <DrugDescription>fentanyl 25 mcg/hr transdermal patch</DrugDescription>
      <DrugCoded>
        <ProductCode>00006902576</ProductCode>
        <ProductCodeQualifier>ND</ProductCodeQualifier>
        <Strength>25 MCG/HR</Strength>
        <DEASchedule>C48675</DEASchedule>
      </DrugCoded>
      <Quantity>
        <Value>10</Value>
        <CodeListQualifier>87</CodeListQualifier>
        <UnitSourceCode>AC</UnitSourceCode>
        <PotencyUnitCode>C48524</PotencyUnitCode>
      </Quantity>
      <DaysSupply>30</DaysSupply>
      <Refills>

```

```

    <Qualifier>REM</Qualifier>
    <Value>0</Value>
  </Refills>
  <Substitutions>0</Substitutions>
  <LastFillDate>
    <Date>2019-03-08</Date>
  </LastFillDate>
  <Pharmacy>
    <Identification>
      <NCPDPID>145555</NCPDPID>
      <NPI>1265466666</NPI>
    </Identification>
    <StoreName>WALGREENS 12345</StoreName>
    <Address>
      <AddressLine1>1525 N Main Pkwy</AddressLine1>
      <City>Chicago</City>
      <State>IL</State>
      <ZipCode>55555</ZipCode>
    </Address>
    <CommunicationNumbers>
      <Communication>
        <Number>7755555511</Number>
        <Qualifier>TE</Qualifier>
      </Communication>
    </CommunicationNumbers>
  </Pharmacy>
  <Prescriber>
    <Identification>
      <NPI>0111118370</NPI>
    </Identification>
    <Name>
      <LastName>Valden</LastName>
      <FirstName>Leah</FirstName>
    </Name>
    <CommunicationNumbers>
      <Communication>
        <Number>1234387752</Number>
        <Qualifier>TE</Qualifier>
      </Communication>
    </CommunicationNumbers>
  </Prescriber>
  <HistorySource>
    <Source>
      <SourceQualifier>PY</SourceQualifier>
      <SourceDescription>DSTPSDIR</SourceDescription>
    </Source>
    <SourceReference>895464999999</SourceReference>
  </HistorySource>
</MedicationDispensed>

<!--Note: This message would continue on to include the remaining dispensed medications up to a maximum of 300.-->

```

DJ Reason Code (Patient Record Found, But No Medications Available)

XML

```
<Message TransportVersion="20170715" DatatypesVersion="20170715" TransactionDomain="SCRIPT" TransactionVersion="20170715" StructureVersion="20170715">
  <Header>
    <To Qualifier="ZZZ">D00000000093552</To>
    <From Qualifier="ZZZ">D00000000000008</From>
    <MessageID>4e2f66cc-9401-4060-b461-62e5029cc1f7</MessageID>
    <RelatesToMessageID>7897535:7303095:1655290060714</RelatesToMessageID>
    <SentTime>2022-06-15T10:47:43.000Z</SentTime>
    <Security>
      <Sender>
        <SecondaryIdentification>RRN0BD6KUE</SecondaryIdentification>
        <TertiaryIdentification>S00000000000003</TertiaryIdentification>
      </Sender>
      <Receiver/>
    </Security>
    <SenderSoftware>
      <SenderSoftwareDeveloper>Surescripts</SenderSoftwareDeveloper>
      <SenderSoftwareProduct>Medication History</SenderSoftwareProduct>
      <SenderSoftwareVersionRelease>26.1.0.774</SenderSoftwareVersionRelease>
    </SenderSoftware>
    <TestMessage>0</TestMessage>
  </Header>
  <Body>
    <RxHistoryResponse>
      <Response>
        <Approved>
          <ReasonCode>DJ</ReasonCode>
          <Note>Although a patient record was found, no medications were available.</Note>
        </Approved>
      </Response>
      <Facility>
        <Identification>
          <NPI>1154601474</NPI>
        </Identification>
        <FacilityName>11MN</FacilityName>
      </Facility>
      <Patient>
        <HumanPatient>
          <Identification>
            <MutuallyDefined>560-Io7Ww25RX0fCjcH3</MutuallyDefined>
          </Identification>
          <Name>
            <LastName>RetryScenario560</LastName>
            <FirstName>HALCOMB</FirstName>
            <MiddleName>M</MiddleName>
          </Name>
          <Gender>M</Gender>
          <DateOfBirth>
            <Date>1966-11-23</Date>
          </DateOfBirth>
          <Address>
            <PostalCode>19145</PostalCode>
          </Address>
        </HumanPatient>
      </Patient>
      <BenefitsCoordination>
        <EffectiveDate>

```

```
        <Date>2019-07-14</Date>
      </EffectiveDate>
      <ExpirationDate>
        <Date>2019-07-14</Date>
      </ExpirationDate>
      <Consent>Y</Consent>
    </BenefitsCoordination>
    <RequestedDates>
      <StartDate>
        <Date>2021-06-15</Date>
      </StartDate>
      <EndDate>
        <Date>2022-06-15</Date>
      </EndDate>
    </RequestedDates>
  </RxHistoryResponse>
</Body>
</Message>
```

8. RxHistoryResponse Notes

Note: The events shown in the table below will not cause an Error to be sent to the customer, but instead will return a note in the RxHistoryResponse/Response field.

Event	Response Segment	Additional Elements	Comments
All medications found.	Approved		Successful processing, all available medications have been returned.
More medications available indicator.	Approved	ApprovalReasonCode = "AQ"	This patient has more than 300 medications, a second RxHistoryResponse will include the remaining medications.
No errors occurred and there are no medications to return.	Approved	Note = "Although patient was found, no medications were returned from partners."	Successful processing, no medications were available.
An error occurred while processing the request but some medications were returned.	Approved	Note = Not all medication history sources were accessible at this time."	Not all available results may be present in this report. Not all information sources were accessible at this time.
A system error occurred while processing the request and no medications were returned.	Approved	Note = "A processing error occurred. No medication history was returned."	An error occurred while processing the report. No medication history was returned. Examples of errors include, but are not limited to: • Error response • Timeout from a data source • Surescripts Internal error
An error occurred while processing the request and no medications were returned.	Approved	Note = "Although a patient record was found, no medications were available."	Not all available medications may be returned in this report.
Search at Surescripts yielded no patients.	Approved	Note = "Patient not found."	Patient is not found in the Surescripts Master Patient Index (MPI). This can result from a patient not having picked-up a medication within the last 12 months or Surescripts not having rights to the data.

9. Disclaimers

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In the event that the Participant chooses to make any software changes based upon recommendations in this guide, the Participant acknowledges and agrees that Surescripts Network shall bear no responsibility or liability for the Participant's changes or any effects thereof. The Participant shall also be required to transition to the new guide at such time as said guide is published, which may involve different or additional parameters than are published in this guide.

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10. Document Change Log

▼ 2026-08-06

Section Title	Change Description
N/A	N/A - Developer Portal - initial release