OneHealthPort | HIE

Implementation Guide

Prescription Monitoring Program (PMP) Medication History
NCPDP Script Standard Version 10.6

Revised: **May 2019** Version **1.3**

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1. DOCUMENT CHANGE HISTORY

DOCUMENT NAME: Implementation Guide – PMP Medication History			
Version	**Issue Date**	**Modified By**	**Comments/Reason**
1.0	3/11/2015	Rhonda May, Anthony Shaver, Kelly Smith	First draft of PMP Medication History
1.0	4/29/2015	Julie Tran	Made revisions to NCPDP Request Transport Layer and Body fields
1.0	11/02/2015	Rhonda May	Finalize initial version of NCPDP version 10.6 after successful pilot
1.1	10/21/2016	Rhonda May	Corrected error in description of fields in response message header
1.2	March 2018 January 2019	Rhonda May Kelly Llewellyn	Updated to include web services information Added reference to TLS Encryption level minimum
1.3	May 2019	Deb Wilson	Make corrections to descriptions of response definitions in Section 8.5

2. INTRODUCTION

2.1. Overview

The Washington State Department of Health (DOH) operates a clinical data repository of dispensed medications, known as the Prescription Monitoring Program or PMP. That repository represents a medication history of controlled substance (Schedule II - V) prescriptions filled in licensed pharmacies or dispensed from licensed practitioners under Washington State law. Access to that data is provided via the Health Information Exchange (HIE) to licensed practitioners with a valid, current registration in the online Washington State PMP system, making a secure query from a health information system connected to the HIE.

The response provided from the PMP database via the HIE is based on the authentication of the requestor's license in the Washington State online PMP system and a match of the patient record requested. OneHealthPort (OHP) has developed two different versions of NCPDP Script standards for medication history. **This implementation guide details information on the transactions transmitted via the OHP HIE using the NCPDP SCRIPT Standard version 10.6**. The NCPDP Script 10.6 version of the PMP transaction was developed in support of electronic health record systems certified for meaningful use that are tied to the 10.6 standard for electronic prescribing.

The DOH vendor for the PMP repository may at some point broker queries to the national exchange or other state PMP vendors. All transactions traded through the OHP HIE will be translated by the DOH vendor to NCPDP standards.

The OHP HIE will programmatically prepare messages for delivery to the DOH PMP vendor. Responses from the DOH vendor will be transformed at the HIE to return the standard NCPDP transaction response to the requesting party.

The S&I Framework PDMP & Health IT Integration workgroup has successfully piloted the NCPDP version 10.6 RxHistory request/response transaction. Other standards for interoperability for the PDMP transaction are still being piloted. When the S&I Framework workgroup establishes a final standard, this transaction may be adjusted to comply with the standard.

Effective in March, 2018 in addition to the asynchronous version of the PMP transaction, OneHealthPort established a web service connectivity for trading the PMP transaction. There is no change in the transaction content submitted by, or returned to trading partners. This change is only a connectivity change.

In the event the transaction changes, this document will be updated to reflect the changes, a copy posted to the OHP HIE website and shared with all current trading partners interested in the Prescription Monitoring Program transaction.

2.2. Scope

This implementation guide defines the query/response transactions for Medication History to/from the Washington State Department of Health Prescription Monitoring Program (PMP) repository. The scope of this transaction is for licensed healthcare providers authorized by statute, accessing patient medication history from the Washington State DOH PMP repository only. This guide is unique to ***One*HealthPort.**

2.3. Terms and Acronyms

Term/Acronym	Description
NCPDP	National Council for Prescription Drug Programs - a not-for-profit, ANSI-accredited, standards development organization
PMP	Prescription Monitoring Program
HIE	Health information exchange
DOH	State of Washington Department of Health
SCRIPT	The NCPDP standard used for medication history queries and responses
Appriss Health	The PMP vendor that acquired former vendor (HID – Health Information Designs) and is currently operating the PMP database for the DOH
OHP	Refers to OneHealthPort
CA	Certificate Authority

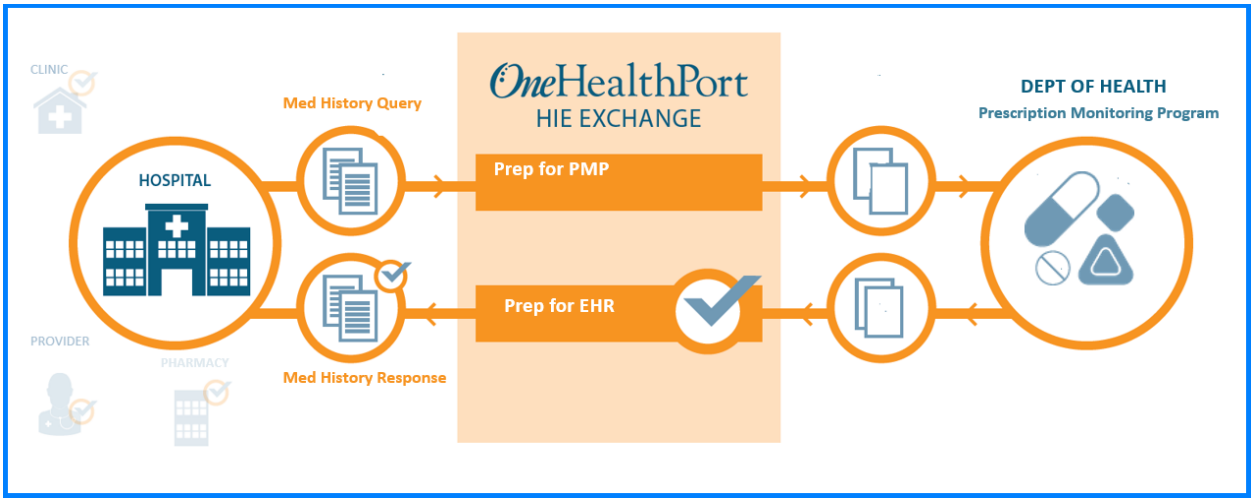
2.4. Assumptions

- Requestors of medication history from the DOH PMP repository have registered in the Washington State online PMP at http://www.wapmp.org/practitioner/pharmacist/.
- An organization planning to automate the queries can request to use the license of a Medical Director or facility. Organizations must contact the Department of Health PMP program director for education and information about the responsibilities for use of a practitioner or facility license, before implementation.
- All transactions between the HIE and requesting systems will utilize one of the following connectivity methods:

  - the Activator or an approved AS2 connection for the secure transport of the transactions both in and outbound (asynchronous transaction).
  - A web service connection through appropriate certificate exchange and message encryption (synchronous transaction).
- In response to Medication history queries to DOH PMP, responses returned will be transferred to trading partners as XML files.
  - Web service processing will return the xml file to the trading partner as a synchronous response.
  - Trading partners using the activator or an approved AS2 connection will access and move the files through their Activators or AS2 tools.

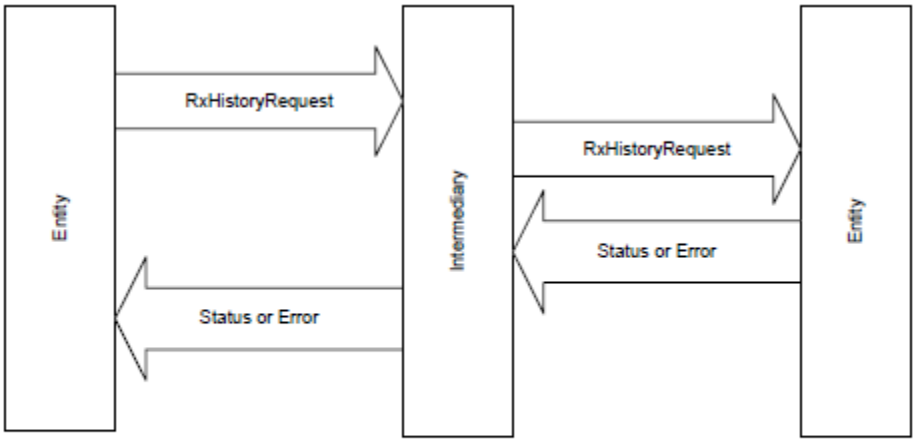
3. PROCESS FLOW

3.1. High Level Process – query from Trading Partner via HIE



3.2. Message Handling Visual Aid

The OHP HIE is a secure intermediary between requesting practices, hospitals, pharmacies or other licensed healthcare professionals requesting a patient medication history from the PMP clinical repository in Washington State. The Washington State Prescription Monitoring Program (PMP) is hosted by the Department of Health's contracted vendor Appriss Health. Appriss Health houses all data and authenticates all requests by checking to see if the license of the requestor is associated with an active account.



Source: NCPDP Script Standard: Flow for a RxHistoryRequest with a Status or Error response through an intermediary. (Simplified version)

4. WEB SERVICES TRANSACTION REQUIREMENTS

4.1 Certificate Requirements

The OneHealthPort HIE web services use the open internet to allow maximum bandwidth for message exchange. Certificate Authority issued certificates are used to sign and encrypt the messages using full Public Key Infrastructure (PKI) sent via a secured channel (https).

Organizations choosing web services are required to provide certificates to the OneHealthPort HIE. Only certificates from a third-party certificate authority are accepted for use. The same CA issued certificate may be use with both the production and UAT (test) environments. In addition, if a trading partner has already exchanged certificate information for other OneHealthPort web service transactions, that same certificate can be used for PMP transaction processing.

Certificate requirement details:

- Certificates supplied must be from a commercial certificate authority – self-signed certificates will not be accepted
- The same certificate may be used with the production and UAT (test) environments
- 2048-bit SSL Secure Sockets Layer with TLS Encryption (not less than TLS 1.2)
- 256 bit encryption
- SHA-2
- Standard or Basic SSL certificate for a single Domain name (Wildcard or multi-domain is not required unless that is your organization's standard)
- Validity option: 1-3 years
- Preferred format - A digital certificate will be required for secure exchange of data. This may be in the form of either a DER encoded binary X.509 (.cer) or Cryptographic Message Syntax Standard PKCS #7 (.p7b, .p7c). If a .p7b/.p7c file is going to be used please export the entire certificate chain for use during the connectivity process
- Provide full certificate chain from a third-party certificate authority PLUS the public key.
    - The OneHealthPort public key will be used to encrypt the medication history queries in-bound to the web services gateway.
    - The trading partner public key will be used to encrypt medication history responses out-bound from the web services gateway to the trading partner.

4.2 Certificate Handling

The certificate generated for trading partner connectivity to the HIE is unique for each partner. The trust relationship is created between each partner and the OneHealthPort HIE through execution of the HIE Participation Agreement.

Each trading partner will only require the certificate of the OneHealthPort HIE to trade with the entire OneHealthPort HIE trading community. The OneHealthPort HIE is designed as a spoke and hub model with a single connection from each participant (trading partner) to the HIE (Hub). Data will flow from the sending party to the HIE and then outbound to the designated receiving party.

All the transactions to OneHealthPort HIE will be done using certificate based Mutual Authentication. Trading Partner and OneHealthPort HIE will need to exchange certificates prior to establishing the secure connection.

From a high-level point of view, the process of authenticating and establishing an encrypted channel using certificate-based mutual authentication involves the following steps:

1. A client requests access to a protected resource/Service.
2. The server presents its certificate to the client.
3. The client verifies the server's certificate.
4. If successful, the client sends its certificate to the server.
5. The server verifies the client's credentials.
6. If successful, the server grants access to the protected resource requested by the client.

4.3 Endpoints for PMP Web Service Transaction

Endpoint URLs are provided by the OneHealthPort for use by the organization when implementing web services to the CDR. The PMP web service is a POST transaction and uses a REST API sending XML over HTTPS, similar to how organizations currently exchange medication history queries with SureScripts or other pharmacy benefits management database systems. As a REST API transaction, no WSDL is required.

OneHealthPort HIE UAT (test) Environment:

Endpoint - https://uat-onehealthport-api.axwaycloud.com:8099/ncpdp_requests

Production system endpoint will be provided upon successful completion of testing.

5. FILE NAMING CONVENTIONS

5.5 Special Naming Convention

There are **no special or unique file naming conventions associated with the medication history request required for appropriate message handling.**

For the AS2 Connectivity, whatever naming convention is used by the request submitter will be seen in the response, preceded by "**PMP**".

6. TRANSACTION STRUCTURE

6.1 XML Transaction Structure

The requestor will supply the populated NCPDP Script 10.6 medication history query. The response will be formatted to reflect the NCPDP Script 10.6 medication response format.

6.1.1 Transaction Representation

6.1.1.1. In the table below, the NCPDP Script Medication History Request and Response are represented, including the transport header and body.

	Data element	Description/Business Logic	Req = R Opt = O Cond = C	XML element
NCPDP Request Transport Layer				
	XML declaration	Standard XML declaration.	R	<?xml version="1.0"?>
	Message	Wrapper for the entire message. Includes XML namespace declarations.	R	<Message xmlns="http://www.ncpdp.org/schema/SCRIPT" release="006" version="010">
	Header	Wrapper for the header.	R	<Header></Header>
	To	Indicates the intended message recipient. **Must be**: WA-OHP Must contain a Qualifier attribute: ZZZ - Mutually defined	R	<To Qualifier="ZZZ"> **WA-OHP**</To>
	From	Indicates the sender of the message. **Use the HIE routing ID assigned by OHP for response to be routed back to requesting HIE member organization**, **for example: 7uycso00.** Must contain a Qualifier attribute: ZZZ - Mutually defined	R	<From Qualifier="ZZZ">**7uycso00**</From>
	Message ID	A unique reference identifier for the transmission, generated from the sender of the request and the sender of the response. Echoed back in the response.	R	<MessageID>**abcd1234xyz789**</MessageID>
	Sent time	The time and date of the transmission. In the format CCYY-MM-DDThh:mm:ssZ.	R	<SentTime>**2013-07-23T12:15:37Z**</SentTime>
	Security	Wrapper for security information. Not used by OHP.	R	<Security></Security>
	Username Token	Wrapper for User Name	O	<UsernameToken></UsernameToken>
	Username	User name. Not used by OHP.	O	<Username></Username>
	Sender	Wrapper for authorized sender.	R	<Sender></Sender>
	Tertiary identification	Used to identify PMP authorized licensed practitioner. **Must be a valid WA State DOH license number, and preregistered in the WA State PMP program e.g. PH00012345.**	R	<TertiaryIdentification>**PH00012345** </TertiaryIdentification>
	Receiver	Wrapper for receiver of response message	R	<Receiver></Receiver>

	Data element	Description/Business Logic	Req = R Opt = O Cond = C	XML element
	Tertiary identification	Used to identify where to send the response transaction	R	<TertiaryIdentification>**WA-OHP**</TertiaryIdentification>
	Test Message	Element typically included in NCPDP 10.6 standard required for header, although not used by OHP or PMP system.	R	<TestMessage>1</TestMessage>
	Tertiary Identifier	Used to classify the transaction as a "fill" or "medication history" request, as opposed to a "dispense" or "e-prescription". PMP queries are medication history requests and data in the tag should always be **FIL**	R	<TertiaryIdentifier>**FIL**</TertiaryIdentifier>
NCPDP Request Body	**Minimum XML Elements Necessary to generate PMP response**			
	Body	Wrapper for the body.	R	<Body></Body>
	Rx History Request	Wrapper for the Rx History Request	R	<RxHistoryRequest></RxHistoryRequest>
	Patient section	Wraps patient information	R	<Patient></Patient>
	Patient identification	Wraps patient identification	R	<Identification></Identification>
	Social security number	Patient social security number **NOTE: If SSN is not known, remove Patient Identification and SSN xml tags from request xml file.**	O	<SocialSecurity></SocialSecurity>
	Patient name	Wraps patient name	R	<Name></Name>
	Last name	Patient last name	R	<LastName></LastName>
	First name	Patient first name	R	<FirstName></FirstName>
	Gender	Patient gender	R	<Gender></Gender>
	Date of birth	Wraps patient date of birth	R	<DateOfBirth></DateOfBirth>
	Date	Patient date of birth, without time. Format=CCYY-MM-DD (CC=Century YY=Year MM=Month DD=Day)	R	<Date></Date>
	Address	Wraps patient address	R	<Address></Address>
	Address line 1	First line of patient's address	R	<AddressLine1></AddressLine1>
	Address line 2	Second line of patient's address. Use only if address line 1 exists.	C	<AddressLine2></AddressLine2>
	City	City of patient address	R	<City></City>

	Data element	Description/Business Logic	Req = R Opt = O Cond = C	XML element
	State	State of patient address	R	<State></State>
	Zip code	Zip code of patient address. 5 or 9 digits	R	<ZipCode></ZipCode>
	Benefits coordination	Wraps consent information	R	<BenefitsCoordination></BenefitsCoordination>
	Effective Date	Wraps effective date	R	<EffectiveDate></EffectiveDate>
	Date	Effective date, without time. Format=CCYY-MM-DD (CC=Century YY=Year MM=Month DD=Day)	R	<Date></Date>
	Expiration Date	Wraps expiration date	R	<ExpirationDate></ExpirationDate>
	Date	Expiration date, without time. Format=CCYY-MM-DD (CC=Century YY=Year MM=Month DD=Day)	R	<Date></Date>
	Consent	Y - Patient gave consent for prescriber to receive the medication history from any prescriber. N - Patient consent not given. P - Patient gave consent for prescriber to only receive the medication history this prescriber prescribed. X - Parental/Guardian consent on behalf of a minor for prescriber to receive the medication history from any prescriber. Z - Parental/Guardian consent on behalf of a minor for prescriber to only receive the medication history this prescriber prescribed.	R	<Consent></Consent>
NCPDP Response Transport Layer				
	XML declaration	Standard XML declaration.	R	<?xml version="1.0" encoding="UTF-8"?>
	Message	Wrapper for the **entire** message. Includes XML namespace declarations.	R	<SCRIPT:Message xmlns:SCRIPT="http://www.ncpdp.org/schema/SCRIPT" version="010" release="006">
	Header	Wrapper for the transport header.	R	<SCRIPT:Header></SCRIPT:Header>
	To	Indicates the intended message recipient. **Must be: HIE routing ID assigned by OHP for response to be routed back to requesting HIE member organization.** (For example: 7uycso03.) Must contain a Qualifier attribute: ZZZ - Mutually defined	R	<SCRIPT:To Qualifier="ZZZ">7uycso03</SCRIPT:To>

	Data element	Description/Business Logic	Req = R Opt = O Cond = C	XML element
	From	Indicates the sender of the message. **Must be: WA-OHP**. Must contain a Qualifier attribute: ZZZ - Mutually defined	R	<SCRIPT:From Qualifier="ZZZ">**WA-OHP**</SCRIPT:From>
	Message ID	A unique reference identifier for the transmission, generated from the sender of the request and the sender of the response. Echoed back in the response.	R	<SCRIPT:MessageID></SCRIPT:MessageID>
	Relates To Message ID	A unique reference identifier for the transmission, generated from the sender of the request and the sender of the response. Echoed back in the response.		<SCRIPT:RelatesToMessageID></SCRIPT:RelatesToMessageID>
	Sent time	The time and date of the transmission. In the format CCYY-MM-DDThh:mm:ss.	R	<SCRIPT:SentTime></SCRIPT:SentTime>
NCPDP Response Body	Script Body	Wraps body of Response	R	<Script:Body></Script:Body>
	Script Rx History Response	Wraps body of Response Approval/Denied	R	<SCRIPT:RxHistoryResponse></SCRIPT:RxHistoryResponse>
	Response	Wraps SCRIPT request status	R	<SCRIPT:Response></SCRIPT:Response>
	Approved	Indicates approval and wraps reference number. Only occurs if RxHistoryRequest was approved.	C	<SCRIPT:Approved></SCRIPT:Approved>
	Denied	Indicates denial and wraps reference number. Only occurs if RxHistoryRequest was denied.	C	<SCRIPT:Denied></SCRIPT:Denied>
	Reference number	Request reference number. Echoed back from the RxHistoryRequest.	R	<SCRIPT:ReferenceNumber></SCRIPT:ReferenceNumber>
	Patient section	Wraps patient information	R	<SCRIPT:Patient></SCRIPT:Patient>
	Patient name	Wraps patient name	R	<SCRIPT:Name></SCRIPT:Name>
	Last name	Patient last name	R	<SCRIPT:LastName></SCRIPT:LastName>
	First name	Patient first name	R	<SCRIPT:FirstName></SCRIPT:FirstName>
	Gender	Patient gender	R	<SCRIPT:Gender></SCRIPT:Gender>
	Date of birth	Wraps patient date of birth	R	<SCRIPT:DateOfBirth></SCRIPT:DateOfBirth>
	Date	Patient date of birth, without time. Format=CCYY-MM-DD (CC=Century YY=Year MM=Month DD=Day)	R	<SCRIPT:Date></SCRIPT:Date>
	Address	Wraps patient address	R	<SCRIPT:Address></SCRIPT:Address>
	Address line 1	First line of patient's address	R	<SCRIPT:AddressLine1></SCRIPT:AddressLine1>
	Address line 2	Second line of patient's address. Use only if address line 1 exists.	C	<SCRIPT:AddressLine2></SCRIPT:AddressLine2>

Data element	Description/Business Logic	Req = R Opt = O Cond = C	XML element
City	City of patient address	R	<SCRIPT:City></SCRIPT:City>
State	State of patient address	R	<SCRIPT:State></SCRIPT:State>
Zip Code	Zip Code of patient address	R	<SCRIPT:ZipCode></SCRIPT:ZipCode>
Benefits coordination	Wraps consent information	R	<SCRIPT:BenefitsCoordination></SCRIPT:BenefitsCoordination>
Consent	Y - Patient gave consent for prescriber to receive the medication history from any prescriber. N - Patient consent not given. P - Patient gave consent for prescriber to only receive the medication history this prescriber prescribed. X - Parental/Guardian consent on behalf of a minor for prescriber to receive the medication history from any prescriber. Z - Parental/Guardian consent on behalf of a minor for prescriber to only receive the medication history this prescriber prescribed.	R	<Script:Consent></Script:Consent>
Medication dispensed[1]	Wraps the information for one medication dispensed. May occur up to 300 times.	C	<SCRIPT:MedicationDispensed></SCRIPT:MedicationDispensed>
Drug description	Description of the drug	C	<SCRIPT:DrugDescription></SCRIPT:DrugDescription>
Drug coding	Wraps drug coding information	C	<SCRIPT:DrugCoded></SCRIPT:DrugCoded>
Product code	Wraps drug coding information	C	<SCRIPT:ProductCode></SCRIPT:ProductCode>
Drug code	Drug code; type of code is qualified by the drug code qualifier. Typically an NDC code.	C	<SCRIPT:ProductCodeQualifier></SCRIPT:ProductCodeQualifier>
Drug quantity	Wraps drug quantity information	C	<SCRIPT:Quantity></SCRIPT:Quantity>
Quantity value	The numeric quantity of drug prescribed.	C	<SCRIPT:Value></SCRIPT:Value>
Quantity qualifier	38 - Original Quantity 40 - Remaining Quantity 87 - Quantity Received -QS - Quantity sufficient as determined by the dispensing pharmacy. Quantity to be based on established dispensing protocols between the prescriber and pharmacy/pharmacist. CF - Compound Final Quantity	C	<SCRIPT:CodeListQualifier></SCRIPT:CodeListQualifier>
Unit Source Code	Unit of measure code for the given quantity value.	C	<SCRIPT:UnitSourceCode></SCRIPT:UnitSourceCode>
Unit Potency Code	Unit Potency Code	C	<SCRIPT:PotencyUnitCode></SCRIPT:PotencyUnitCode>

Data element	Description/Business Logic	Req = R Opt = O Cond = C	XML element
Days supply	Days supply	C	<SCRIPT:DaysSupply></SCRIPT:DaysSupply>
Substitutions	Substitutions	C	<SCRIPT:Substitutions></SCRIPT:Substitutions>
Written date	This wraps the date written	C	<SCRIPT:WrittenDate></SCRIPT:WrittenDate>
Date	Written date of prescription without the time. Format=YYYY MM DD	C	<SCRIPT:Date></SCRIPT:Date>
Last fill date	This wraps the last fill date	C	<SCRIPT:LastFillDate></SCRIPT:LastFillDate>
Date	Last fill date of the prescription without the time. Format= YYYY MM DD	C	<SCRIPT:Date></SCRIPT:Date>
Pharmacy [2]	This wraps pharmacy information	C	<SCRIPT:Pharmacy>
Identification	This wraps pharmacy identifying information	C	<SCRIPT:Identification></SCRIPT:Identification>
Identification data	Pharmacy identifying information including NCPDP ID, DEA number	C	<SCRIPT:NCPDPID></SCRIPT:NCPDPID> <SCRIPT:DEANumber></SCRIPT:DEANumber> <SCRIPT:MutuallyDefined></SCRIPT:MutuallyDefined>
Pharmacy Name	Pharmacy name	C	<SCRIPT:StoreName></SCRIPT:StoreName>
Pharmacy Address	Address information	C	<SCRIPT:AddressLine1></SCRIPT:AddressLine1> <SCRIPT:AddressLine2></SCRIPT:AddressLine2> <SCRIPT:City></SCRIPT:City> <SCRIPT:State></SCRIPT:State> <SCRIPT:ZipCode></SCRIPT:ZipCode>
Communication Numbers	This wraps Communication Numbers	C	<SCRIPT:CommunicationNumbers></SCRIPT:CommunicationNumbers>
Communication	This wraps communication data	C	<SCRIPT:Communication></SCRIPT:Communication>
Number	Number	C	<SCRIPT:Number></SCRIPT:Number>
Qualifier	Qualifier	C	<SCRIPT:Qualifier></SCRIPT:Qualifier>
Prescriber information[3]	This wraps Prescriber information	C	<SCRIPT:Prescriber></SCRIPT:Prescriber>
Identification	This wraps prescriber identification information	C	<SCRIPT:Identification></SCRIPT:Identification>
Identifiers	Prescriber identifiers	C	<SCRIPT:DEANumber></SCRIPT:DEANumber> <SCRIPT:NCPDPID></SCRIPT:NCPDPID> <SCRIPT:MutuallyDefined></SCRIPT:MutuallyDefined>
Prescriber Name	This wraps Prescriber name information	C	<SCRIPT:Name></SCRIPT:Name>
Prescriber Name fields	Last and first names	C	<SCRIPT:LastName></SCRIPT:LastName> <SCRIPT:FirstName></SCRIPT:FirstName>
Prescriber Address	This wraps prescriber address information	C	<SCRIPT:Address></SCRIPT:Address>

Data element	Description/Business Logic	Req = R Opt = O Cond = C	XML element
Address fields	Address information	C	<SCRIPT:AddressLine1></SCRIPT:AddressLine1> <SCRIPT:AddressLine2></SCRIPT:AddressLine2> <SCRIPT:City></SCRIPT:City> <SCRIPT:State></SCRIPT:State> <SCRIPT:ZipCode></SCRIPT:ZipCode>
History Source	History Source Wrapper	C	<SCRIPT:HistorySource></SCRIPT:HistorySource>
Source[4]	Source wrapper	C	<SCRIPT:Source></SCRIPT:Source>
Source qualifier	Source qualifier	C	<SCRIPT:SourceQualifier></SCRIPT:SourceQualifier>
Source Reference	Script reference wrapper	C	<SCRIPT:Reference></SCRIPT:Reference>
Reference Information	Reference information fields	C	<SCRIPT:IDValue></SCRIPT:IDValue> <SCRIPT:IDQualifier></SCRIPT:IDQualifier>
Source Reference	Source Reference data	C	<SCRIPT:SourceReference></SCRIPT:SourceReference>
Fill number	Fill number information	C	<SCRIPT:FillNumber></SCRIPT:FillNumber>

Information with Superscripts: [1], [2], [3], and [4] may repeat up to 300 times depending on various services via pharmacies, prescribers, and sources used by subject of search.

7. TRANSACTION SAMPLES

7.1. Request Body– xml Sample (Includes transport header and body)

```
<?xml version="1.0"?>
<Message version="010" release="006" xmlns="http://www.ncpdp.org/schema/SCRIPT">
    <Header>
        <To Qualifier="ZZZ">WA-OHP</To>
        <From Qualifier="ZZZ">7uycso03</From>
        <MessageID>217823</MessageID>
        <SentTime>2015-10-08T19:49:01Z</SentTime>
        <Security>
            <UsernameToken>
                <Username>2104</Username>
            </UsernameToken>
            <Sender>
                <TertiaryIdentification>PH12345</TertiaryIdentification>
            </Sender>
            <Receiver>
                <TertiaryIdentification>WA-OHP</TertiaryIdentification>
            </Receiver>
        </Security>
        <TestMessage>1</TestMessage>
        <TertiaryIdentifier>FIL</TertiaryIdentifier>
    </Header>
    <Body>
        <RxHistoryRequest>
            <Prescriber>
                <Identification>
                    <DEANumber>BA2397443</DEANumber>
                    <NPI>1000001895</NPI>
                    <MutuallyDefined>7uycso03</MutuallyDefined>
                </Identification>
                <Specialty>207R00000X</Specialty>
                <ClinicName>TES DEPARTMENT</ClinicName>
                <Name>
                    <LastName>PrescriberrLN</LastName>
                    <FirstName>PrescriberFN</FirstName>
                </Name>
                <Address>
                    <AddressLine1>555 North Way</AddressLine1>
                    <AddressLine2>Building 101</AddressLine2>
                    <City>Anytown</City>
                    <State>WA</State>
                    <ZipCode>99999</ZipCode>
                    <PlaceLocationQualifier>AD2</PlaceLocationQualifier>
                </Address>
                <CommunicationNumbers>
                    <Communication>
                        <Number>6082719100</Number>
                        <Qualifier>TE</Qualifier>
                    </Communication>
```

```
                    </CommunicationNumbers>
                </Prescriber>
                <Patient>
                    <Name>
                        <LastName>Doe</LastName>
                        <FirstName>Jane</FirstName>
                    </Name>
                    <Gender>F</Gender>
                    <DateOfBirth>
                        <Date>1956-01-19</Date>
                    </DateOfBirth>
                    <Address>
                        <AddressLine1>123 Main Street</AddressLine1>
                        <City>AUBURN</City>
                        <State>AL</State>
                        <ZipCode>36830</ZipCode>
                    </Address>
                </Patient>
                <BenefitsCoordination>
                    <EffectiveDate>
                        <Date>2012-01-01</Date>
                    </EffectiveDate>
                    <ExpirationDate>
                        <Date>2015-10-08</Date>
                    </ExpirationDate>
                    <Consent>Y</Consent>
                </BenefitsCoordination>
            </RxHistoryRequest>
        </Body>
    </Message>
```

7.2. Response– xml Sample (Includes header and body)

```
<?xml version="1.0" encoding="UTF-8"?>
<SCRIPT:Message release="006" version="010" xmlns:SCRIPT="http://www.ncpdp.org/schema/SCRIPT">
    <SCRIPT:Header>
        <SCRIPT:To Qualifier="ZZZ">7uycso03</SCRIPT:To>
        <SCRIPT:From Qualifier="ZZZ">WA-OHP</SCRIPT:From>
        <SCRIPT:MessageID>217823</SCRIPT:MessageID>
        <SCRIPT:RelatesToMessageID>217823</SCRIPT:RelatesToMessageID>
        <SCRIPT:SentTime>2015-10-08T15:16:32-05:00</SCRIPT:SentTime>
    </SCRIPT:Header>
    <SCRIPT:Body>
        <SCRIPT:RxHistoryResponse>
            <SCRIPT:Response>
                <SCRIPT:Approved>
                    <SCRIPT:ReferenceNumber>7uycso03</SCRIPT:ReferenceNumber>
                </SCRIPT:Approved>
            </SCRIPT:Response>
            <SCRIPT:Patient>
                <SCRIPT:Name>
                    <SCRIPT:LastName>Doe</SCRIPT:LastName>
                    <SCRIPT:FirstName>Jane</SCRIPT:FirstName>
```

```
                </SCRIPT:Name>
                <SCRIPT:Gender>F</SCRIPT:Gender>
                <SCRIPT:DateOfBirth>
                        <SCRIPT:Date>1956-01-19</SCRIPT:Date>
                </SCRIPT:DateOfBirth>
                <SCRIPT:Address>
                        <SCRIPT:AddressLine1>123 Main Street</SCRIPT:AddressLine1>
                        <SCRIPT:City>AUBURN</SCRIPT:City>
                        <SCRIPT:State>AL</SCRIPT:State>
                        <SCRIPT:ZipCode>36830</SCRIPT:ZipCode>
                </SCRIPT:Address>
        </SCRIPT:Patient>
        <SCRIPT:BenefitsCoordination>
                <SCRIPT:Consent>N</SCRIPT:Consent>
        </SCRIPT:BenefitsCoordination>
        <SCRIPT:MedicationDispensed>
                <SCRIPT:DrugDescription>ANDROGEL 1.62% GEL PUMP</SCRIPT:DrugDescription>
                <SCRIPT:DrugCoded>
                        <SCRIPT:ProductCode>00051846233</SCRIPT:ProductCode>
                        <SCRIPT:ProductCodeQualifier>ND</SCRIPT:ProductCodeQualifier>
                </SCRIPT:DrugCoded>
                <SCRIPT:Quantity>
                        <SCRIPT:Value>75</SCRIPT:Value>
                        <SCRIPT:CodeListQualifier>87</SCRIPT:CodeListQualifier>
                        <SCRIPT:UnitSourceCode>AC</SCRIPT:UnitSourceCode>
                        <SCRIPT:PotencyUnitCode>C38046</SCRIPT:PotencyUnitCode>
                </SCRIPT:Quantity>
                <SCRIPT:DaysSupply>30</SCRIPT:DaysSupply>
                <SCRIPT:Substitutions>0</SCRIPT:Substitutions>
                <SCRIPT:WrittenDate>
                        <SCRIPT:Date>2012-04-03</SCRIPT:Date>
                </SCRIPT:WrittenDate>
                <SCRIPT:LastFillDate>
                        <SCRIPT:Date>2012-04-03</SCRIPT:Date>
                </SCRIPT:LastFillDate>
                <SCRIPT:Pharmacy>
                        <SCRIPT:Identification>
                                <SCRIPT:NCPDPID>0</SCRIPT:NCPDPID>
                                <SCRIPT:DEANumber>0148923</SCRIPT:DEANumber>
                                <SCRIPT:MutuallyDefined>0148923</SCRIPT:MutuallyDefined>
                        </SCRIPT:Identification>
                        <SCRIPT:StoreName>ABC PHARMACY</SCRIPT:StoreName>
                        <SCRIPT:Address>
                                <SCRIPT:AddressLine1>4371 SOUTH ST</SCRIPT:AddressLine1>
                                <SCRIPT:City>MONTGOMERY</SCRIPT:City>
                                <SCRIPT:State>AL</SCRIPT:State>
                                <SCRIPT:ZipCode>36601</SCRIPT:ZipCode>
                        </SCRIPT:Address>
                        <SCRIPT:CommunicationNumbers>
                                <SCRIPT:Communication>
                                        <SCRIPT:Number>0</SCRIPT:Number>
                                        <SCRIPT:Qualifier>TE</SCRIPT:Qualifier>
                                </SCRIPT:Communication>
```

```
                    </SCRIPT:CommunicationNumbers>
                </SCRIPT:Pharmacy>
                <SCRIPT:Prescriber>
                    <SCRIPT:Identification>
                        <SCRIPT:DEANumber>BA9999999</SCRIPT:DEANumber>
                        <SCRIPT:NCPDPID>0</SCRIPT:NCPDPID>
                        <SCRIPT:MutuallyDefined>BA9999999</SCRIPT:MutuallyDefined>
                    </SCRIPT:Identification>
                    <SCRIPT:Name>
                        <SCRIPT:LastName>PAIN, NO</SCRIPT:LastName>
                        <SCRIPT:FirstName>?</SCRIPT:FirstName>
                    </SCRIPT:Name>
                    <SCRIPT:Address>
                        <SCRIPT:AddressLine1>240 PILL LANE</SCRIPT:AddressLine1>
                        <SCRIPT:City>PRATTVILLE</SCRIPT:City>
                        <SCRIPT:State>AL</SCRIPT:State>
                        <SCRIPT:ZipCode>36066</SCRIPT:ZipCode><
                    /SCRIPT:Address>
                </SCRIPT:Prescriber>
                <SCRIPT:HistorySource>
                    <SCRIPT:Source>
                        <SCRIPT:SourceQualifier>P2</SCRIPT:SourceQualifier>
                        <SCRIPT:Reference>
                            <SCRIPT:IDValue>0148923</SCRIPT:IDValue>
                            <SCRIPT:IDQualifier>DH</SCRIPT:IDQualifier>
                        </SCRIPT:Reference>
                    </SCRIPT:Source>
                    <SCRIPT:SourceReference>1122333</SCRIPT:SourceReference>
                    <SCRIPT:FillNumber>0</SCRIPT:FillNumber>
                </SCRIPT:HistorySource>
            </SCRIPT:MedicationDispensed>
        </SCRIPT:RxHistoryResponse>
    </SCRIPT:Body>
</SCRIPT:Message>
```

8. ACKNOWLEDGEMENT AND ERROR HANDLING PROCESSES

8.1. Acknowledgement

The medication history response will in effect be the acknowledgement for this transaction.

8.2. OHP-HIE AS2 Sample Error Message for missing required fields in Medication History Request

Entities submitting a Medication History request with required fields missing from the transport header will receive an error message from the OHP-HIE. The message returned will be a "**Res**ponse **M**essage **P**rocessing **E**rror" or **ResMPE**. A sample ResMPE xml follows:

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<ErrorResponse status="Failure">
    <Product>HIE Integrator Engine</Product>
```

```
            <Date>2013-08-30 10:02:15</Date>
            <SenderID>7uycso03</SenderID>
            <CoreID>ci1377882134954.172943@axway-vm097_te</CoreID>
            <DocumentName>PMP_TestFile - WithErrors.xml</DocumentName>
            <DocumentType>PMP_Request</DocumentType>
            <Message>[XML - 0]: Too few occurrences of
            element='Message[1]/Header[1]/Security[1]/Sender[1]/SecondaryIdentification'. Found = 0.
            Min = 1. Document line 15 position 4.</Message>
        </ErrorResponse>
```

8.3. Sample Error Message from PMP – Invalid Requestor

The xml sample below demonstrates the medication history response that will be received when an invalid requestor has initiated the request to the PMP repository.

```
<?xml version="1.0" encoding="UTF-8"?>
<s:Fault xmlns:s="http://www.w3.org/2003/05/soap-envelope">
        <s:Code>
            <s:Value>s:Receiver</s:Value>
        </s:Code>
        <s:Reason>
            <s:Text xml:lang="">An error was detected while executing the Web Service request. (10893)</s:Text>
        </s:Reason>
        <s:Detail>
            <Exception xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
            xmlns:x="http://www.w3.org/2001/XMLSchema"
            xmlns="http://schemas.datacontract.org/2004/07/System">
                <ClassName xmlns="" i:type="x:string">System.Exception</ClassName>
                <Message xmlns="" i:type="x:string">ERROR: Invalid Requestor</Message>
                <Data xmlns="" i:nil="true"/>
                <InnerException xmlns="" i:nil="true"/>
                <HelpURL xmlns="" i:nil="true"/
                ><StackTraceString xmlns="" i:nil="true"/>
                <RemoteStackTraceString xmlns="" i:nil="true"/>
                <RemoteStackIndex xmlns="" i:type="x:int">0</RemoteStackIndex>
                <ExceptionMethod xmlns="" i:nil="true"/>
                <HResult xmlns="" i:type="x:int">-2146233088</HResult>
                <Source xmlns="" i:type="x:string">11d1def534ea1be0:-966ce2a:14d40e925e9:-
                7f82#60</Source>
                <WatsonBuckets xmlns="" i:nil="true"/>
            </Exception>
        </s:Detail>
</s:Fault>
```

8.4. Sample Error Message from PMP

The xml sample below demonstrates the medication history response that will be received when patient or prescription information is not found in the PMP repository.

```
<?xml version="1.0" encoding="UTF-8"?>
<SCRIPT:Message release="006" version="010" xmlns:SCRIPT="http://www.ncpdp.org/schema/SCRIPT">
        <SCRIPT:Header>
            <SCRIPT:To Qualifier="ZZZ">7uycso03</SCRIPT:To>
```

```
            <SCRIPT:From Qualifier="ZZZ">WA-OHP</SCRIPT:From>
            <SCRIPT:MessageID>217827</SCRIPT:MessageID>
            <SCRIPT:RelatesToMessageID>217827</SCRIPT:RelatesToMessageID>
            <SCRIPT:SentTime>2015-10-08T15:16:32-05:00</SCRIPT:SentTime>
        </SCRIPT:Header>
        <SCRIPT:Body>
            <SCRIPT:Error>
                <SCRIPT:Code>900</SCRIPT:Code>
                <SCRIPT:Description>NotFound</SCRIPT:Description>
            </SCRIPT:Error>
        </SCRIPT:Body>
</SCRIPT:Message>
```

8.5. Web Services Responses

Web services response codes will return as follows:

- 200 – Success (Message response returns with script data)
- 200 – Success (Message response returns, with error content (SCRIPT:Error, e.g. NotFound)
- 400 – Bad Request (Message response returns when the query is malformed and does not pass the validation rules at the HIE)
- 500 – Internal Server Error (Message response from the PMP for a variety of reasons). These errors return a “generic reason and give meaningful information in the Message element within the response.