



Healthcare Eligibility Benefit Inquiry and Response

270-271 - 005010X279A1

Companion Guide

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INTRODUCTION

Ayin Health Solutions (Ayin) currently supports access to certain data by 3rd party applications and clients. This allows for integration between Ayin systems and non-Ayin systems. Users of this interface are responsible for the data and its usage once it is extracted from Ayin. This includes security mechanisms around the transit and storage of this data in other locations

GETTING STARTED

Purpose:

This document is intended for use as a companion to the HIPAA ASC X12N/005010X279 270/271 TR3. Specific instructions contained in this document are provided for clarification and subject to change. This document should be used in conjunction with the HIPAA TR3 published by Washington Publishing Company.

Connectivity

The 270/271 is accessible via a web service interface accessible over the Secure Hypertext Transfer Protocol (HTTPS). The endpoint and its associated operations are exposed via the Web Service Definition Language (WSDL).

Production Endpoint: <https://api.ayin.com/cim/ediservices/Service.svc>

Test Endpoint: <https://api.dev.ayin.com/cim/ediservices/Service.svc>

Test endpoint is available from 6AM-7PM Pacific time.

The exposed operations follow the CAQH Core II web service operations for Real Time Transactions. Other operations are currently unsupported.

Submitter Setup Requirements

In order to proceed with preparations for connectivity, Ayin requires the following information from the submitter:

1. Verification of Business Associate Agreement/Trading Partner Agreement. If none exists Ayin will work with the submitter to have an agreement executed.
2. Contact name

Address

Phone Number

Email Address

3. IP Address Range. Please provide the IP address range that the 270 requests will be initiated from.

IP Address Range: _____.

Example: 10.0.44

Web Service Access

In order to access the 270/271 service you will need an API key. In order to obtain an API key please contact Ayin EDI Support at 503-584-2169 option 1. API keys are associated with an individual user account within the Ayin CIM product. Data access is controlled using the same mechanisms as security configurations for standard CIM user accounts. Also, data changes in CIM are tracked to that user account for auditing/change tracking purposes.

Along with using an API key, the interface requires clients to connect from a predefined IP range. This prevents compromised API keys from being used outside of the desired organization. The IP range is configured for a practice office in CIM and will apply to all users within the office

Setting up API Access

To configure API access, the following steps are required:

1. Determine if a new user account is needed or if the API access should be tied to an existing CIM user account. If an existing user account is used, skip to Step 2. If a new user account is needed, log into CIM and fill out the “Register User” link from the Main Menu to create a new user account in the system. Once created, this account will require activation.
2. Contact the Ayin EDI Support (503-584-2169 option 1 or edi.support@phtech.com). The EDI Support Specialist will be able to complete the process. Please be prepared with the user account you wish to add API access to as well as the IP address range you wish to use for your office.

If at any time, you believe your API key may have been compromised, please contact the Ayin Service Desk immediately. For extra security precautions, Ayin recommends that organizations consider periodically cycling their API key.

Using the API Key

When making a request to an operation every request will need to have the API key provided in the header of the request. The element name will be “Ayin-api-key”.

Example SOAP Request

POST <https://localhost/Cim/Services/EligibilityService.asmx> HTTP/1.1

Content-Type: text/xml; charset=utf-8

phtech-api-key: 00000000000000000000000000000000

SOAPAction: "RealTimeTransaction"

Host: seteam2

Content-Length: 618

Expect: 100-continue

Accept-Encoding: gzip, deflate

Connection: Keep-Alive

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">
  <s:Body xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <COREEnvelopeRealTimeRequest
  xmlns="http://www.caqh.org/SOAP/WSDL/CORERule2.2.0.xsd">
      <PayloadType xmlns="">X12_270_Request_005010X279A1</PayloadType>
      <PayloadID xmlns="">f81d4fae-7dec-11d0-a765-00a0c91e6bf6</PayloadID>
      <TimeStamp xmlns="">4/26/2013 2:00:22 PM</TimeStamp>
      <SenderID xmlns="">SOME_SENDER_ID</SenderID>
      <ReceiverID xmlns="">AYIN</ReceiverID>
      <CORERuleVersion xmlns="">2.2.0</CORERuleVersion>
    </COREEnvelopeRealTimeRequest>
  </s:Body>
</s:Envelope>
```

Our system uses the **phtech-api-key** in the http header for identifying the sender for authentication & authorization purposes. If the **phtech-api-key** is not provided, is invalid, or if a request is made outside of the allowed IP address range, the request will be responded to with an HTTP 403 error.

The **SenderID** value submitted in the 270 SOAP request will simply be echoed back in the 271 SOAP response as the **ReceiverID**, and has no impact on the data returned in the 271.

Test Client

A sample test client (C#/.NET 4) is available upon request which will allow one to quickly verify connectivity to our system and perform a real time eligibility lookup via a 270. The test client provides an example of how to add the custom http header for the api key as well as encode the payload properly so as to conform with the CORE standards.

Data Clarification

Specific instructions contained below are provided for clarification and subject to change. This document should be used in conjunction with the HIPAA TR3 published by Washington Publishing Company. Please be sure you are using “:” as a control character rather than “>” as the later control character can cause the XML to be invalid.

270 Transaction Set

Interchange and Functional Group

| Transaction Set | Element | Element Description | Instruction |
|----------------------|---------|---------------------------------|-----------------------------|
| 270 Interchange | ISA01 | Authorization Qualifier | “00” |
| 270 Interchange | ISA02 | Authorization Identifier | [blank] |
| 270 Interchange | ISA03 | Security Information Qualifier | “00” |
| 270 Interchange | ISA04 | Security Information Identifier | [blank] |
| 270 Interchange | ISA05 | Sender Qualifier | “ZZ” |
| 270 Interchange | ISA06 | Sender Identifier | [Business Tax ID] |
| 270 Interchange | ISA07 | Receiver Qualifier | “ZZ” |
| 270 Interchange | ISA08 | Receiver Identifier | “931211733” |
| 270 Interchange | ISA15 | Usage Indicator | “P” = Production, “T”= Test |
| 270 Functional Group | GS02 | Group Sender Identifier | [Business Tax ID] |
| 270 Functional Group | GS03 | Group Receiver Identifier | “CIM” |
| | | | |

270 Loop and Segments

| 270 Loop | 270 Element | Description | Instruction |
|----------|-------------|-------------|-------------|
|----------|-------------|-------------|-------------|

| | | | |
|--------|---------|----------------------------|--|
| L2100A | NM103 | Organization Name | See Appendix for list of valid Organizations |
| L2100B | NM103 | Organization Name | [Requesting Organization] |
| L2100B | NM108 | Identification Qualifier | “XX” |
| L2100B | NM109 | Identification Code | [NPI] |
| L2100C | NM103 | Subscriber Last Name | |
| L2100C | NM104 | Subscriber First Name | |
| L2100C | NM108 | Subscriber Qualifier | “MI” |
| L2100C | NM109 | Subscriber Identification | |
| L2100C | DMG02 | Subscriber Date of Birth | CCYYMMDD |
| L2100C | DTP01* | Date Time Qualifier | “291” |
| L2100C | DTP02 | Date Time Format Qualifier | “D8” |
| L2100C | DTP03** | Date Period | CCYYMMDD |
| L2110C | EQ01 | Service Type Code | See Appendix for a list of support codes. |
| | | | |

* If L2100C DTP is not passed, eligibility and benefit is determined for time of the request, unless a date is provided in the L2110C dtp element..

** If not supplied will assume current transaction date.

270 Lookup Subscriber Combination Support

Ayin supports the following search combinations for eligibility and benefit inquiry searches;

Subscriber ID (NM109)

The subscriber ID can be used in any combination of the other supported search fields (NM103 - Subscriber Last Name, NM104- Subscriber First Name,DMG02 - Subscriber DOB) . The other search fields are NOT required but suggested to help ensure the most accurate match.

- Subscriber ID (NM109) + Subscriber Last Name (NM103) +Subscriber First Name (NM104)
 - If subscriber ID is provided with the last and first name, the search will return a successful match if one name is correct.
 - Example Record

- NM103 - Jones, NM104 - Robert, NM109 - 123456
- Example Search
 - Successful Search
 - NM103 - Jones, NM104 - Bob, NM109 - 123456
 - Unsuccessful Search
 - NM103 - Smith, NM104 -Robert, NM109 - 123456
 - NM103 - Smith, NM104 - Bob, NM109 - 123456

Subscriber Last Name (NM103),Subscriber First Name (NM104) and Subscriber DOB (DMG02)

All elements must be provided when not using the subscriber ID in the Inquiry. The elements must match exactly to a record in the system in order for the search to return successfully.

- Example Record
 - NM103 - Jones, NM104 - Robert, NM109 - 123456, DMG02 - 1/14/2001
- Example Search
 - Successful Search
 - NM103 - Jones, NM104 - Rober, DMG02- 1/14/2001
 - Unsuccessful Search
 - NM103 - Jones, NM104 -Robert, DMG02 - 1/14/2002
 - NM103 - Jones, NM104 - Bob, DMG02- 1/14/2001
 - NM103 - Smith, NM104 - Robert , DMG02- 1/14/2001

270 Ayin Exceptions

Ayin currently does not support L200D (dependent Level inquiry).

The following inquiry scenarios will be treated as if we have received an EQ01= 30:

- No STC is is provided in inquiry
- An explicit STC inquiry is not supported by this companion guide. (See [Appendix](#) for supported codes)
- Procedure code or Diagnosis code inquiry - (Not supported by Ayin)

271 Response

The following table lists the codes that will only report Coverage information for a subscriber. All other Patient Financial Responsibility is withheld due to discretion about the service inquiry or the service type code is too general to respond.

| EB03 STC Response | Description | Benefit Coverage |
|-------------------|---------------------------------------|-------------------|
| 1 | Medical Care | Active/ Inactive |
| 35 | Dental Care | Active/ Inactive |
| 47 | Hospital | Active/ Inactive |
| 86 | Emergency Services | Active / Inactive |
| 88 | Pharmacy | Active / Inactive |
| 98 | Professional (Physician Visit) Office | Active / Inactive |
| AL | Vision | Active / Inactive |
| MH | Mental Health | Active / Inactive |

STC = 30 Health Plan Benefit Coverage

When STC = “30” is submitted on a 270 request, the 271 response returns the coverage status of the following STCs: Patient Financials in the below tables equate to Co-Pay, Co-Insurance, Plan Deductible, and Patient Remaining Deductible

| EB03 STC Response | Description | Benefit Coverage/ Patient Financial Responsibility |
|-------------------|---------------------------------------|--|
| 1 | Medical Care | Active / Inactive |
| 33 | Chiropractic | Patient Financials |
| 35 | Dental Care | Active / Inactive |
| 47 | Hospital | Active / Inactive |
| 86 | Emergency Services | Active / Inactive |
| 88 | Pharmacy | Active / Inactive |
| 98 | Professional (Physician Visit) Office | Active / Inactive |
| AL | Vision | Active / Inactive |

| | | |
|----|---------------|--------------------|
| MH | Mental Health | Active / Inactive |
| UC | Urgent Care | Patient Financials |

Supported Service type codes and 271 Response

Patient Financials in the below tables equate to Co-Pay, Co-Insurance, Plan Deductible, and Patient Remaining Deductible

| 270 Inquiry | 271 Response | |
|------------------------|------------------------------|------------------------------|
| EQ01 Request STC | EB03 Response STC | Coverage/ Patient Financials |
| 01 - Medical Care | 01 - Medical Care | Active/ Inactive |
| | 02 - Surgical | Patient Financials |
| | 42 - Home Health Care | Patient Financials |
| | 45 - Hospice | Patient Financials |
| | 73 - Diagnostic Medical | Active/ Inactive |
| | 76 - Dialysis | Patient Financials |
| | AG - Skilled Nursing Care | Patient Financials |
| 02 - Surgical | 02 - Surgical | Patient Financials |
| | 07 - Anesthesia | Patient Financials |
| | 08 - Surgical Assistance | Patient Financials |
| | 20 - Second Surgical Opinion | Patient Financials |
| 04 - Diagnostic X- Ray | 04 - Diagnostic X- Ray | Patient Financials |

| | | |
|------------------------------|---|--------------------|
| 05 - Diagnostic Lab | 05 - Diagnostic Lab | Patient Financials |
| 06 - Radiation Therapy | 06 - Radiation Therapy | Patient Financials |
| 07 - Anesthesia | 07 - Anesthesia | Patient Financials |
| 08 - Surgical Assistance | 08 - Surgical Assistance | Patient Financials |
| 12 - DME Purchase | 12 - DME Purchase | Patient Financials |
| 20 - Second Surgical Opinion | 20 - Second Surgical Opinion | Patient Financials |
| 33 - Chiropractic | 33 - Chiropractic | Patient Financials |
| | 98 - Professional (Physician) Visit - Office | Patient Financials |
| 35 - Dental Care | 35 - Dental Care | Active/ Inactive |
| | 40 - Oral Surgery | Patient Financials |
| 40 - Oral Surgery | 40 - Oral Surgery | Patient Financials |
| 42 - Home Health | 42 - Home Health | Patient Financials |
| 45 - Hospice | 45 - Hospice | Patient Financials |
| 47 - Hospital | 47- Hospital | Active/ Inactive |
| | 48- Hospital Inpatient | Patient Financials |
| | 50 - Hospital Outpatient | Patient Financials |
| | 51- Hospital - Emergency Accident | Patient Financials |
| | 52- Hospital - Emergency Medical | Patient Financials |
| | 53- Hospital - Ambulatory Surgical | Patient Financials |
| 48 - Hospital Inpatient | 48 - Hospital Inpatient | Patient Financials |
| | 99 - Professional (Physician) visit - Inpatient | Patient Financials |
| 50 - Hospital Outpatient | 50 - Hospital Outpatient | Patient Financials |
| | 51 - Emergency Accident | Patient Financials |
| | 52 - Emergency Medical | Patient Financials |

| | | |
|---|---|--------------------|
| | A0 - Professional (physician) Visit Outpatient | Patient Financials |
| 51 - Emergency Accident | 51 - Emergency Accident | Patient Financials |
| 52 - Emergency Medical | 52 - Emergency Medical | Patient Financials |
| 53 - Ambulatory Surgical | 53 - Ambulatory Surgical | Patient Financials |
| 62 - MRI/CAT Scan | 62 - MRI/CAT Scan | Patient Financials |
| 65 - Newborn Care | 65 - Newborn Care | Patient Financials |
| 68 - Well Baby Care | 68 - Well Baby Care | Patient Financials |
| 73 - Diagnostic Medical | 73 - Diagnostic Medical | Active/ Inactive |
| | 04 - Diagnostic X-Ray | Patient Financials |
| | 05 - Diagnostic Lab | Patient Financials |
| | 62 - MRI/CAT Scan | Patient Financials |
| 76 - Dialysis | 76 - Dialysis | Patient Financials |
| 78 - Chemotherapy | 78 - Chemotherapy | Patient Financials |
| 80 - Immunizations | 80 - Immunizations | Patient Financials |
| 81 - Routine Physical | 81 - Routine Physical | Patient Financials |
| 82 - Family Planning | 82 - Family Planning | Patient Financials |
| 86 - Emergency Services | 86 - Emergency Services | Active/ Inactive |
| | 51 - Emergency Accident | Patient Financials |
| | 52 - Emergency Medical | Patient Financials |
| 88 - Pharmacy | 88 - Pharmacy | Active/ Inactive |
| 93 - Podiatry | 93 - Podiatry | Patient Financials |
| 98 - Professional (Physician) Visit - Office | 98 - Professional (Physician) Visit - Office | Patient Financials |
| 99 - Professional (Physician) Visit - Inpatient | 99 - Professional (Physician) Visit - Inpatient | Patient Financials |
| A0 - Professional (Physician) Visit - Outpatient | A0 - Professional (Physician) Visit - Outpatient | Patient Financials |
| A3 - Professional (Physician) | A3 - Professional (Physician) Visit - Home | Patient Financials |

| | | |
|-------------------------------|-------------------------------|--------------------|
| Visit - Home | | |
| A6 - Psychotherapy | A6 - Psychotherapy | Active/ Inactive |
| A7 - Psychiatric - Inpatient | A7 - Psychiatric - Inpatient | Active/ Inactive |
| A8 - Psychiatric - Outpatient | A8 - Psychiatric - Outpatient | Active/ Inactive |
| AD - Occupational Therapy | AD - Occupational Therapy | Patient Financials |
| AE - Physical Medicine | AE - Physical Medicine | Patient Financials |
| AF - Speech Therapy | AF - Speech Therapy | Patient Financials |
| AG - Skilled Nursing Care | AG - Skilled Nursing Care | Patient Financials |
| AI - Substance Abuse | AI - Substance Abuse | Active/ Inactive |
| AL - Vision | AL - Vision | Active/ Inactive |
| BG - Cardiac Rehabilitation | BG - Cardiac Rehabilitation | Patient Financials |
| BH - Pediatric | BH - Pediatric | Patient Financials |
| MH - Mental Health | MH - Mental Health | Active/ Inactive |
| UC - Urgent Care | UC - Urgent Care | Patient Financials |

Inquiry 271 Error Responses

| Error Code | Error Loop | Error Description |
|------------|------------|--|
| 79 | L2100A | 270 Request for invalid plan/ payer |
| 41 | L2100A | Requesting user does not have access to the plan/payer |
| 41 | L2100B | API key is invalid or NPI does not have access to the requested plan/ payer. |
| 15 | L2100C | Minimum search criteria was not met |
| 71 | L2100C | Date of Birth mismatch. (Subscriber ID not provided.) |
| 72 | L2100C | Failed to match subscriber ID. |

| | | |
|----|--------|---|
| 73 | L2100C | Subscriber name mismatch. (Subscriber ID not provided and any name does not match exactly OR Subscriber ID is provided and both names do not match exactly) |
| 76 | L2100C | Multiple results were found matching the inquiry criteria. |
| 78 | L2100C | Subscriber was not found under the plan/ payer specified in the 270 inquiry. |

APPENDIX

Organizations

| Organization | L2100A.NM03 |
|-------------------------------|-----------------|
| Aspire Health Plan | Aspire |
| Capitol Dental Care Inc | CDC |
| Dental3 | D3 |
| HealthShare CCO | HEALTHSHARE_CCO |
| Providence Health Assurance | PHA |
| Providence PACE (CA, OR & WA) | PACE |
| Umpqua Health Alliance | UHA_CCO |
| Yamhill CCO | YAMHILL_CCO |

Supported Service Type Codes

| Service Type Code | Description |
|-------------------|------------------|
| 1 | Medical Care |
| 2 | Surgical |
| 4 | Diagnostic X-Ray |
| 5 | Diagnostic Lab |

| | |
|----|------------------------------------|
| 6 | Radiation Therapy |
| 7 | Anesthesia |
| 8 | Surgical Assistance |
| 12 | Durable Medical Equipment Purchase |
| 13 | Ambulatory Service Center Facility |
| 18 | Durable Medical Equipment Rental |
| 20 | Second Surgical Opinion |
| 30 | Health Benefit Plan Coverage |
| 33 | Chiropractic |
| 35 | Dental Care |
| 40 | Oral Surgery |
| 42 | Home Health Care |
| 45 | Hospice |
| 47 | Hospital |
| 48 | Hospital - Inpatient |
| 50 | Hospital - Outpatient |
| 51 | Hospital - Emergency Accident |
| 52 | Hospital - Emergency Medical |
| 53 | Hospital - Ambulatory Surgical |
| 62 | MRI /CAT Scan |
| 65 | Newborn Care |
| 68 | Well Baby Care |
| 73 | Diagnostic Medical |
| 76 | Dialysis |
| 78 | Chemotherapy |
| 80 | Immunizations |
| 81 | Routine Physical |

| | |
|----|---|
| 82 | Family Planning |
| 86 | Emergency Services |
| 88 | Pharmacy |
| 93 | Podiatry |
| 98 | Professional (Physician) Visit - Office |
| 99 | Professional (Physician) Visit - Inpatient |
| A0 | Professional (Physician) Visit - Outpatient |
| A3 | Professional (Physician) Visit - Home |
| A6 | Psychotherapy |
| A7 | Psychiatric - Inpatient |
| A8 | Psychiatric - Outpatient |
| AD | Occupational Therapy |
| AE | Physical Medicine |
| AF | Speech Therapy |
| AG | Skilled Nursing Care |
| AI | Substance Abuse |
| AL | Vision |
| BG | Cardiac Rehabilitation |
| BH | Pediatric |
| MH | Mental Health |
| UC | Urgent Care |