



CC360-API Documentation Optum Government Solutions

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Basic design considerations

Some of the basic design considerations for this API are defined in this document.

- Reuse existing database objects currently in use by the CareConnect360 web application.
- This API will initially be written for read or retrieval access to the CC360 data sources.
- This API will be hosted on the same platform as the CC360 web application.
- In the future when the State of Michigan migrates to the Enterprise Service Bus (ESB) this API must be able to migrate to that environment.
- Security contract will be developed in coordination with the Michigan Department of Community Health (MDHHS) security group.

Architecture Diagram

The following block diagram displays the MDHHS, MiHIN, PCE and the health plan with the basic data flows defined.

[Data Flow Diagram] | *cc360-api-2018.svg*

Figure 1. Data Flow Diagram

Screen Shot examples

The following screen shots are provided to help API developers and consumers know what API responses relate to a specific Page/Tab/Tile.

Beneficiary More (Details)

Each beneficiary has additional details that can be viewed by clicking on the **More..** button.


The screenshot displays the MDHHS website interface. At the top, the MDHHS logo and tagline "Putting people first, with the goal of helping all Michiganders lead healthier and more productive lives, no matter their stage in life." are visible. Below the header is a navigation bar with links: Michigan.gov, Application Home, Beneficiary Lookup, Features, Admin, DBA, Training, My Profile, Contact, and Exit. The main content area is titled "Care Coordination" and contains a form with the following details:

Medicaid ID:	9999999990	Name:	Adama, William	Birth Date:	07/07/1963	Hide More Info
Address:	192 Carl St, Buffalo, MI			Death Date:		
Contact No:	800-999-9999			County of Residence:	WAYNE (82)	
Race:	Non-Migrant Black; not of Hispanic Origin			Ethnicity:	Non Hispanic	
Medicaid Health Plan:	Molina Healthcare Of Michigan			Gender:	Female	
Assigned PIHP:	Detroit Wayne Mental Health Authority			Dual:	NO	
Primary Care Provider:	POLECK ANNE DO I (1699851519)			MAGI Indicator:		
Last MD/DO Claim:	HASSAN ZAHOORUL (05/08/2017)			Current Benefit Plans:	Click to view all plans	
					<input type="checkbox"/> MA	
					<input type="checkbox"/> MA-MC	
					<input type="checkbox"/> NEMT	
					<input type="checkbox"/> PIHP	
Last Care Mgmt Visit:	None			Current BMP Assigned Providers:	None	
Last Dental Visit:	KAUR AMANDEEP (02/22/2016)					

Figure 2. Beneficiary - More (Details)

Client Summary Tab

The client summary tab is the default tab displayed, on the care coordination page, when the beneficiary is being displayed.



Michigan Department of Health and Human Services

Putting people first, with the goal of helping all Michiganders lead healthier and more productive lives, no matter their stage in life.

[Michigan.gov](#)
[Application Home](#)
[Beneficiary Lookup](#)
[Features](#)
[Admin](#)
[DBA](#)
[Training](#)
[My Profile](#)
[Contact](#)
[Exit](#)

[Return to Results](#)

Care Coordination

Medicaid ID: 999999990

Name: Adama, William

Birth Date: 07/07/1963

Show More Info

Client Summary

Chronic Conditions

ADT Messages

Client Profile

Claims

Notes

Interactive Care Plan

Add a new Tile:

Select one

Add

Chronic Conditions - Top 3

Conditions	Current Count
CKD	73
HYPERTENSION	60
DIABETES	32

Pharmacy - Top 3

Generic Drug Name	Number of Fills	Most Recent Fill
LORATADINE	1	02/27/2017
SODIUM BICARBONATE	1	07/27/2016

ED Visits - Most Recent 3

Visit Date	Facility
07/07/2017	1932396017 - WILLIAM BEAUMONT HOSPITAL
06/12/2017	1932396017 - WILLIAM BEAUMONT HOSPITAL
04/02/2017	1932396017 - WILLIAM BEAUMONT HOSPITAL

I/P Admissions - Most Recent 3

Admit Date	Facility Name
07/07/2017	1932396017 - WILLIAM BEAUMONT HOSPITAL
06/12/2017	1932396017 - WILLIAM BEAUMONT HOSPITAL
04/02/2017	1932396017 - WILLIAM BEAUMONT HOSPITAL

Procedure Codes - Top 3

Procedure Code	Current Count
99232 - Subsequent hospital care	46
99223 - Initial hospital care	17
99222 - Initial hospital care	12

Psychotropic - Top 3

Generic Drug Name	Number Of Fills	Most Recent Fill
No data to display		

Antipsychotics - Top 3

Generic Drug Name	Number Of Fills	Most Recent Fill
No data to display		

Figure 3. Care Coordination - Client Summary Tab

Client Summary Drill Down

Each of the panels in the Client Summary have details that can be drilled into. In this example the **ED Visits - Most Recent 3** panel had been drilled into.

Putting people first, with the goal of helping all Michiganders lead healthier and more productive lives, no matter their stage in life.

MDHHS Michigan Department of Health and Human Services

Michigan.gov Application Home Beneficiary Lookup Features Admin DBA Training My Profile Contact Exit

Care Coordination

Medicaid ID: 9999999990 Name: Adama, William Birth Date: 07/07/1963 Show More Info

Client Summary Chronic Conditions ADT Messages Client Profile Claims Notes Interactive Care Plan

Add a new Tile: *Select one Add

Chronic Conditions - Top 3

ED Visits - Most Recent 3

Visit Date Facility

Client Summary Details - ED Visits

Export to Excel Clear Filters

Date Of Service	Facility	Primary Diagnosis	Secondary Diagnosis	Admitting Reason	TCN
12/27/2016	1134144801 - HENRY FORD HOSPITAL	M542 - Cervicalgia	Z5321 - Procedure and treatment not carried out due to patient leaving prior to being seen by		99888777665544

Page size: 10 2 items in 1 pages

Figure 4. Client Summary - Sample Details

Client Profile Tab

The client profile tab displays if the beneficiary has any detail information in the categories

indicated.

Putting people first, with the goal of helping all Michiganders lead healthier and more productive lives, no matter their stage in life.

MDHHS Michigan Department of Health and Human Services

Michigan.gov Application Home Beneficiary Lookup Features Admin DBA Training My Profile Contact Exit

Care Coordination

Medicaid ID: 9999999990 Name: Adama, William Birth Date: 07/07/1963 Show More Info

Client Summary Chronic Conditions ADT Messages **Client Profile** Claims Notes Interactive Care Plan

Client Profile

Adult Foster Care: No	Home Help: No
PIHP OP/Community Based Service: Yes	PIHP Supports Coordinator/Care Management: No
Psychiatric IP Service: No	PIHP QI Data: Yes
Enrolled in Health Home: No	Health Risk Assessment/Survey: No
Youth Foster Care: No	Home Health: No
PIHP Service (last 6 months): Yes	PIHP Service (last 12 months): Yes
Current or Past CSHCS: No	Dental Claims: Yes
Healthy Michigan Plan: No	Flint Waiver Population: No
Well Child History: No	MI Choice: No

Message:

Action: [Cancel](#) [Help](#)


[Michigan.gov Home](#) | [CareConnect360 Home](#) | [MDHHS Home](#) | [Contact MDHHS](#) | [State Web Sites](#)
[Privacy Policy](#) | [Link Policy](#) | [Accessibility Policy](#) | [Security Policy](#) | [Michigan.gov Survey](#)

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Figure 5. Client Profile Tab

Client Profile Drilldown

Any of the client profile categories that are marked as **Yes** will have details that can be drilled into.



Michigan Department of Health and Human Services

Putting people first, with the goal of helping all Michiganders lead healthier and more productive lives, no matter their stage in life.

[Michigan.gov](#)
[Application Home](#)
[Beneficiary Lookup](#)
[Features](#)
[Admin](#)
[DBA](#)
[Training](#)
[My Profile](#)
[Contact](#)
[Exit](#)

Care Coordination

Medicaid ID: 9999999990

Name: Adama, William

Birth Date: 07/07/1963

Show More Info

[Client Summary](#)
[Chronic Conditions](#)
[ADT Messages](#)
[Client Profile](#)
[Claims](#)
[Notes](#)
[Interactive Care Plan](#)

Client Profile

Adult Foster Care: No

PIHP OP/Community Based Service: Yes

Psychiatric IP Service: No

Enrolled in Health Home: No

Youth Foster Care: No

PIHP Service (last 6 months): Yes

Current or Past CSHCS: No

Healthy Michigan Plan: No

Well Child History: No

Home Help: No

PIHP Supports Coordinator/Care Management: No

PIHP QI Data: Yes

Health Risk Assessment/Survey: No

Home Health: No

PIHP Service (last 12 months): Yes

Dental Claims: Yes

Flint Waiver Population: No

MI Choice: No

PIHP OP/Community Based Service Details

Export to Excel

Clear Filters

PIHP ID	PIHP	CMHSP ID	CMHSP	From Date	Procedure	Procedure Code	Place Of Se
2813568	Detroit Wayne Mental Hlth Authority	1183310	Detroit Wayne Mental Hlth Authority	06/01/2017	Psytx w pt 30 minutes	90832	Office
2813568	Detroit Wayne Mental Hlth Authority	1183310	Detroit Wayne Mental Hlth Authority	04/27/2017	RN services up to 15 minutes	T1002	Office

Page size: 20

2 items in 1 pages

Figure 6. Client Profile - Sample Details

Database Data Sources

There are multiple data sources that are used to provide responses to the API requests.

Table 1. Data Sources

Code	Type	Definition
SSQL	Microsoft SQL Server 2012	CC360 application database
TDATA	Teradata Data Warehouse	MDHHS data warehouse, views of the CHAMPS DW areas

Database Object to Endpoint Cross Reference

The database calls for the CC360 web application consist of a number of stored Procedures (SP) and/or macros against the data sources indicated above.



The purpose of this cross reference is to assist the consumers and developers of the API to resolve any discrepancy issues.

All endpoints have the prefix of **api/v1/**.

Endpoint path parameters are indicated by {} (ie: **{beneID}** is the Beneficiary ID)

Table 2. Database Object to Endpoint Cross Reference

Description	Endpoint name	Data Source	Object
List of Beneficiaries	beneficiaries	TDATA	Unknown

Description	Endpoint name	Data Source	Object
Beneficiary Demographics	beneficiaries/{beneID}	TDATA	DCH_ICA_VIEWS.M_DEMOGRAPHICS_SINGLE_CC
Beneficiary Care Plans	beneficiaries/{beneID}/cases	SSQL	dbo.FRANK_ICP_GetList
Client Summary	beneficiaryies/{benID}/summary	TDATA	DCH_ICA_VIEWS.M_CLIENT_SUMMARY
Client Summary / Chronic Conditions	beneficiaries/{beneID}/summary/ChronicCondition	TDATA	DCH_ICA_PRODUCTION.SP_CLIENT_SUMMARY_DETAILS
Client Summary / IP Admissions	beneficiaries/{beneID}/summary/IPAdmissions	TDATA	DCH_ICA_PRODUCTION.SP_CLIENT_SUMMARY_DETAILS
Client Summary / Pharmacy	beneficiaries/{beneID}/summary/Pharmacy	TDATA	DCH_ICA_PRODUCTION.SP_CLIENT_SUMMARY_DETAILS
Client Summary / Chronic Conditions	beneficiaries/{beneID}/summary/ChronicConditions	TDATA	DCH_ICA_PRODUCTION.SP_CLIENT_SUMMARY_DETAILS

Description	Endpoint name	Data Source	Object
Client Summary / Recent Providers	beneficiaries/{beneID}/summary/RecentProviders	TDATA	DCH_ICA_PRODUCTION.SP_CLIENT_SUMMARY_DETAILS
Client Summary / Procedure Codes	beneficiaries/{beneID}/summary/ProcedureCodes	TDATA	DCH_ICA_PRODUCTION.SP_CLIENT_SUMMARY_DETAILS
(*) Client Profile	beneficiaries/{beneID}/profile	TDATA	DCH_ICO_VIEWS.M_CLIENT_PROFILE
(*) Client Profile / Actively Receiving	beneficiaries/{beneID}/profile/ActivelyReceiving	TDATA	DCH_ICA_VIEWS.ACTIVELY_RECEIVING
(*) ICP / Case Details	beneficiaries/{beneID}/cases/{caseID}	SSQL	dbo.FRANK_ICP_GetCareTeamTabData
(*) ICP / Goals for a Case	beneficiaries/{beneID}/cases/{caseID}/goals	SSQL	dbo.FRANK_ICP_GetGoalsTasksList
(*) ICP /Notes for a Goal	beneficiaries/{beneID}/cases/{caseID}/goals/{goalID}	SSQL	dbo.FRANK_ICP_GetGoalsTasksList
List of Plans	plans	SSQL	dbo.FRANK_PlanMaint_GetAllPlanDUAs

(*) Endpoints not deployed but, planned in future releases of CC360-API.

Overview

Optum Government Systems

The API is designed for use by Optum web applications including CareConnect 360 and the CareConnect API.

Protected Health Information Warning

The *(request)* and *(response)* of the QA and Production servers **WILL** contain **Protected Health Information (PHI)**.

The *(request)* and *(response)* of the Mock server will **NOT** contain **Protected Health Information (PHI)**.

Usage

Use of this API is resitricted and limited by State of Michigan Department of Human and Health Services (**MDHHS**) and by United Health Care (**UHC**) security policies.'

TEST Edition

This version of the API specification is considered a **TEST** and subject to change with notice.

Version information

Version : v1

Contact information

Contact : MDHHS - State Of Michigan.

Contact Email : helpdesk@michigan.gov

License information

License : Restricted usage as determined by MDHHS

License URL : <https://data.michigan.gov/>

Terms of service : None

URI scheme

Host : cc360-pwc.mockable.io

BasePath : /api/v1

Schemes : HTTPS

Consumes

- `application/json`

Produces

- `application/json`
- `application/html`

Security

basicAuth

Security Contract

planID, planType, planLocation, and planSystem are the header elements used during connection validation.

The validation comprises two steps – validation that the organization has an authorized care relationship with the passed beneficiary, and validation that the qualified-organization is currently authorized to use the service at all.

planID + planType uniquely identifies an organization and can be used to provide an index into the CC360 universe table to validate organization access.

'planID + planType + planLocation + planSystem' uniquely identifies an entry in the system-access authorization table.

Type : basic

Security contract (detail)

The security contract defines how authentication and process flow for the API is defined.

Authentication

All of the users of the CC360-API will be located behind the State of Michigan Firewall. No outside connection (Citizen) access to CC360-API is allowed.

The State of Michigan is responsible for creating firewall rules to connect CC360-API consumers to the CC360-API server.

All CC360-API communications will be performed over secure HTTP (HTTPS).

Authorization

Every CC360-API request will require header parameters to identify the plan/agency that the request is being brokered for.

The beneficiary identified is included as a parameter within the path of the API call.

The consumer is responsible for verifying if an active care relationship (ACRS) exist. The consumer will set a header parameter (validACRS) to indicate they have verified the ACRS relationship.

Full-Trust Model

Requests to CC360-API with the validARCS flag set to **True** will be trusted and a response returned.

Requests to CC360-API with the validACRS flag set to **False** will have the plan/agency - Beneficiary relationship verified using data from the MDHHS Teradata data warehouse. Those requests which do **not** have a relationship will be denied.

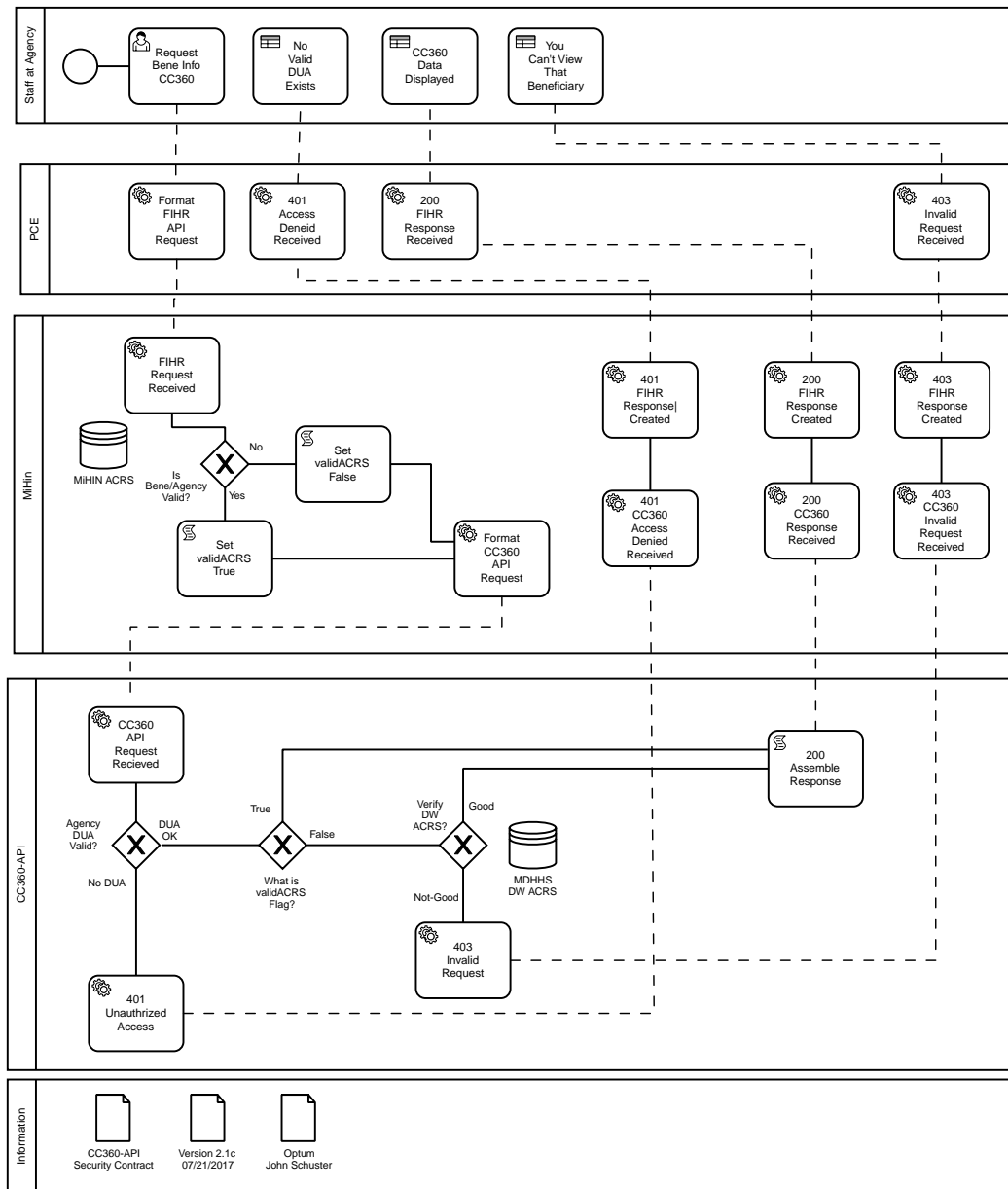


Figure 7. CC360-API Security Contract process (Full-Trust Model)



BPMN diagram created with [BPMN Demo On-Line](#). BPMN model file for the "Full Trust" process can be viewed/downloaded [from this link](#)

Trust-but-Verify Model

All requests to CC360-API will have the plan/agency - Beneficiary relationship verified using data from the MDHHS Teradata data warehouse. Those requests which do **not** have a relationship will be denied.

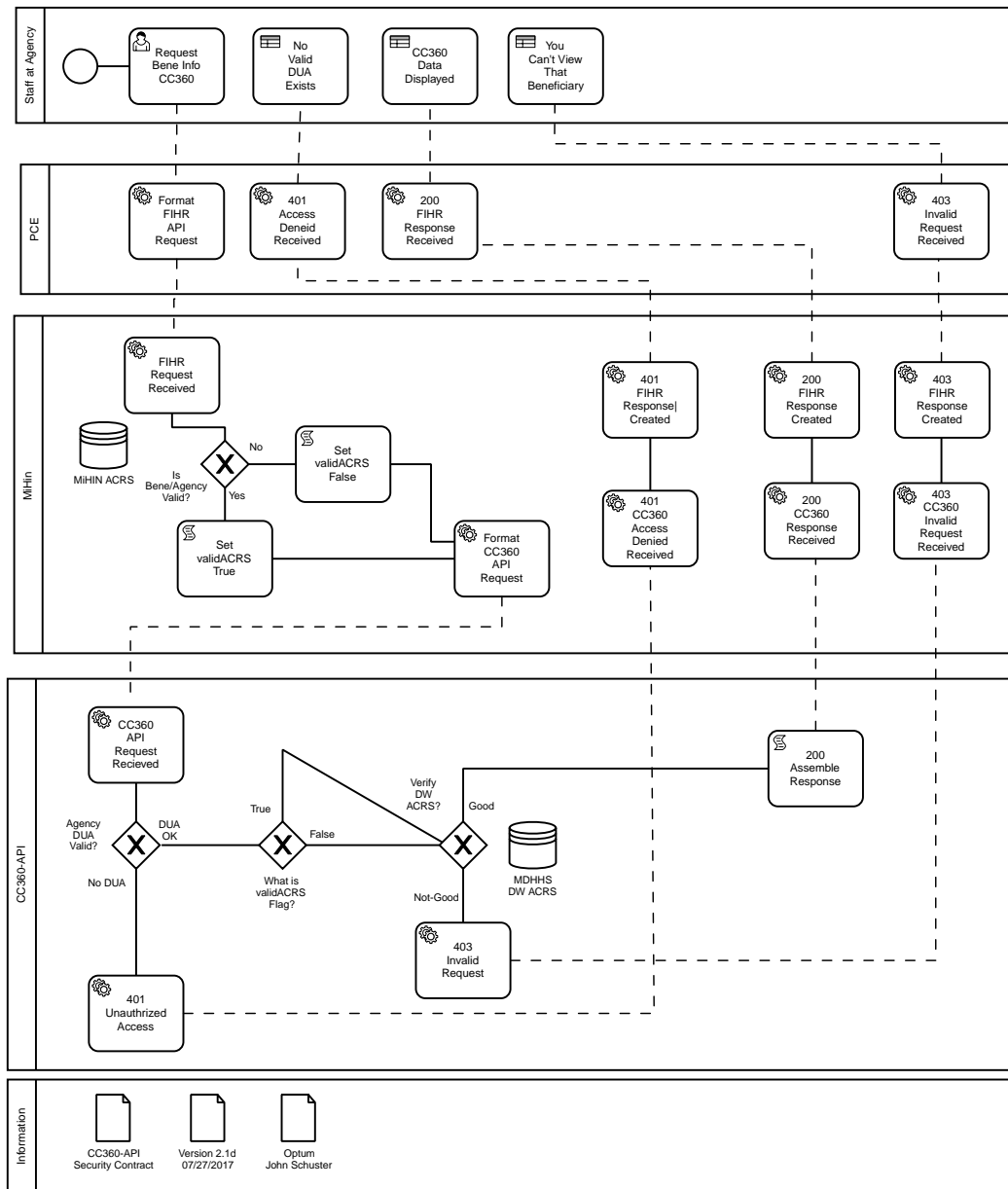


Figure 8. CC360-API Security Contract process (Trust-but-Verify Model)



BPMN diagram created with [BPMN Demo On-Line](#). BPMN model file for the "Trust But Verify" process can be viewed/downloaded [from this link](#)

Paths

HelloWorld

GET /HelloWorld

Description

This endpoint is used just for verifying that the API connection is working.

It displays the server timestamp.

It display the Build Edition to verify the correct version is being used.

It does not require any access to any of the datasources.

Responses

HTTP Code	Description	Schema
200	Success	HelloWorldModel

Tags

- Test-Connection

Example HTTP response

Response 200

```
{
  "Message" : "Hello World.",
  "BuildEdition" : "17.9.6464.27407",
  "ServerTime" : "9/18/2017 4:04:14 PM"
}
```

beneficiaries/{beneID}/summary

```
GET /beneficiaries/{beneID}/summary
```

Description

Overview

Get the "Top 3 list" for each of 11 focus areas (tiles)

- Chronic Conditions
- Pharmacy
- E/D Visits
- I/P Admissions
- Procedure Codes
- Psychotropics

- Antipsychotics
- Dental
- ED Dental Visits
- Recent Providers
- BH I/P Admissions

Parameters

Type	Name	Description	Schema
Header	EHRSystem <i>required</i>	<p>Description</p> <p>EHRSystem allows MDHHs to authorize one EHR to make requests while not authorizing another. The service must supply one of the names recorded in the web-service DUA as authorized at the requesting planLocation. (ie- 'PCE')</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using Any. 	string

Type	Name	Description	Schema
Header	planID <i>required</i>	<p>Description</p> <p>planID and planType combine to uniquely identify organizations within CC360. They will be retrievable from CC360 via another service.</p> <p>Consumer will use this service to populate their map mechanism so that incoming requests can be translated into the correct CC360 organization details</p> <p>Mock server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using 01. 	string

Type	Name	Description	Schema
Header	planLocation <i>required</i>	<p>Description</p> <p>planLocation is provided to allow MDHHS to authorize logical or geographical subsets of an organization, for example- Grand Rapids or Diabetes Support Team.</p> <p>If the DUA with MDHHS does not identify any authorized subsets, the parameter will be set to 'ANY'. If it has any authorized subsets, the consumer must supply one of those names and cannot use 'ANY'</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using Any. 	string

Type	Name	Description	Schema
Header	planType <i>required</i>	<p>Description</p> <p>planID and planType combine to uniquely identify organizations within CC360. they will be retrievable from CC360 via another service.</p> <p>Consumer will use this service to populate their map mechanism so that incoming requests can be translated into the correct CC360 organization details.</p> <p>Plan types are strings (ie PIHP, MHP, ICO,)</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using CMH. 	string

Type	Name	Description	Schema
Header	userID <i>required</i>	<p>Description</p> <p>The name of the user from the Plan causing the API to be requested by the consumer</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using one user ID for all your tests. 	string

Type	Name	Description	Schema
Header	validateACRS <i>required</i>	<p>Description</p> <p>Consumer will be reviewing their own records to attempt to establish a current care-relationship between the organization and the beneficiary.</p> <p>If it cannot (validAcrs = False), it will forward the request, and a CC360 service will in turn attempt to find a relationship in its authorization tables, and act according to that result.</p> <p>If MiHIN can validate the relationship (validAcrs = True) the behaviour of CC360 service will vary between an initial ‘tuning’ phase and long-term production.</p> <p>In the tuning phase, a CC360 service will always consult its own authorization tables and will act according to that value.</p> <p>On a daily basis, a reconciliation report will be generated to compare Consumer and CC360 results, and MDHHS staff will work with Consumer to understand and correct any variations. Once the variations drop below a defined threshold (t.b.d), CC360 services will switch to always respecting any ACRS delivered True assertion.</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using True. 	enum (true, false)

Type	Name	Description	Schema
Path	beneID <i>required</i>	<p>Description</p> <p>10 digit Beneficiary Id, zero filled</p> <p>Mock Server</p> <p>The only Beneficiary ID's available on the Mock server are</p> <ul style="list-style-type: none"> • 9999999006 • 999999957 * <p>These beneficiary ID's do not exist in either the QA or Production servers.</p>	string

Responses

HTTP Code	Description	Schema
200	Success	ClientSummaryTitlesModel

Tags

- Summary

Example HTTP response

Response 200

```
{
  "EDVisits" : [ {
    "Facility" : "1134144801 - HENRY FORD HOSPITAL ",
    "VisitDate" : "12/27/2016",
    "TILE_IND" : "L   "
  }, {
    "Facility" : "1134144801 - HENRY FORD HOSPITAL ",
    "VisitDate" : "12/27/2016",
    "TILE_IND" : "L   "
  } ],
  "ProcedureCodes" : [ {
    "Current Count" : 3,
    "Procedure Code" : "99213 - Office/outpatient visit est"
  }, {
    "Current Count" : 3,
    "Procedure Code" : "99213 - Office/outpatient visit est"
  } ],
  "Antipsychotics" : [ {
    "NumberOfFills" : 2,
    "GenericDrugName" : "BREXPIRAZOLE",
    "MostRecentFill" : "2017-06-30T00:00:00.000+0000"
  }, {
    "NumberOfFills" : 2,
    "GenericDrugName" : "BREXPIRAZOLE",
    "MostRecentFill" : "2017-06-30T00:00:00.000+0000"
  } ],
  "RecentProviders" : [ {
```

```

    "ProviderID" : "1952791105",
    "ProviderName" : "BEST URGENT CARE PC",
    "MostRecentVisit" : "2017-05-08T00:00:00.000+0000",
    "TotalVisits" : 3
  }, {
    "ProviderID" : "1952791105",
    "ProviderName" : "BEST URGENT CARE PC",
    "MostRecentVisit" : "2017-05-08T00:00:00.000+0000",
    "TotalVisits" : 3
  } ],
  "IPAdmissions" : [ {
    "TILE_IND" : "L    ",
    "FacilityName" : "1952307852 - MUNSON MEDICAL CENTER ",
    "AdmitDate" : "2016/02/16"
  }, {
    "TILE_IND" : "L    ",
    "FacilityName" : "1952307852 - MUNSON MEDICAL CENTER ",
    "AdmitDate" : "2016/02/16"
  } ],
  "ERDental" : [ {
    "VisitDate" : "02/22/2016",
    "TILE_IND" : "L    ",
    "Provider" : "Hoover Family Dental "
  }, {
    "VisitDate" : "02/22/2016",
    "TILE_IND" : "L    ",
    "Provider" : "Hoover Family Dental "
  } ],
  "Pharmacy" : [ {
    "Number of Fills" : 14,
    "GenericDrugName" : "ALPRAZOLAM",
    "Most Recent Fill" : "3/14/2017 12:00:00 AM"
  } ]

```

```

}, {
  "Number of Fills" : 14,
  "GenericDrugName" : "ALPRAZOLAM",
  "Most Recent Fill" : "3/14/2017 12:00:00 AM"
} ],
"ChronicConditions" : [ {
  "Condition" : "DIABETES",
  "CurrentCount" : 14,
  "TILE_IND" : "H   "
}, {
  "Condition" : "DIABETES",
  "CurrentCount" : 14,
  "TILE_IND" : "H   "
} ],
"Psychotropics" : [ {
  "NumberOfFills" : 3,
  "GenericDrugName" : "DIVALPROEX SODIUM",
  "MostRecentFill" : "2016-09-19T00:00:00.000+0000"
}, {
  "NumberOfFills" : 3,
  "GenericDrugName" : "DIVALPROEX SODIUM",
  "MostRecentFill" : "2016-09-19T00:00:00.000+0000"
} ],
"BHIPAdmissions" : [ {
  "AdminDate" : "2017-05-05T00:00:00.000+0000",
  "TILE_IND" : "H   ",
  "FacilityName" : "1144381245 - HARBOR OAKS HOSPITAL "
}, {
  "AdminDate" : "2017-05-05T00:00:00.000+0000",
  "TILE_IND" : "H   ",
  "FacilityName" : "1144381245 - HARBOR OAKS HOSPITAL "
} ],

```

```
"Dental" : [ {  
  "VisitDate" : "02/22/2016",  
  "TILE_IND" : "L    ",  
  "Provider" : "Hoover Family Dental "  
}, {  
  "VisitDate" : "02/22/2016",  
  "TILE_IND" : "L    ",  
  "Provider" : "Hoover Family Dental "  
} ]  
}
```

beneficiaries/{beneID}/summary/chronicConditions

GET /beneficiaries/{beneID}/summary/chronicconditions

Description

Overview

Returns a list of drill down details for the Chronic Conditions tile

Parameters

Type	Name	Description	Schema
Header	EHRSystem <i>required</i>	<p>Description</p> <p>EHRSystem allows MDHHs to authorize one EHR to make requests while not authorizing another. The service must supply one of the names recorded in the web-service DUA as authorized at the requesting planLocation. (ie- 'PCE')</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using Any. 	string

Type	Name	Description	Schema
Header	planID <i>required</i>	<p>Description</p> <p>planID and planType combine to uniquely identify organizations within CC360. They will be retrievable from CC360 via another service.</p> <p>Consumer will use this service to populate their map mechanism so that incoming requests can be translated into the correct CC360 organization details</p> <p>Mock server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using 01. 	string

Type	Name	Description	Schema
Header	planLocation <i>required</i>	<p>Description</p> <p>planLocation is provided to allow MDHHS to authorize logical or geographical subsets of an organization, for example- Grand Rapids or Diabetes Support Team.</p> <p>If the DUA with MDHHS does not identify any authorized subsets, the parameter will be set to 'ANY'. If it has any authorized subsets, the consumer must supply one of those names and cannot use 'ANY'</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using Any. 	string

Type	Name	Description	Schema
Header	planType <i>required</i>	<p>Description</p> <p>planID and planType combine to uniquely identify organizations within CC360. they will be retrievable from CC360 via another service.</p> <p>Consumer will use this service to populate their map mechanism so that incoming requests can be translated into the correct CC360 organization details.</p> <p>Plan types are strings (ie PIHP, MHP, ICO,)</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using CMH. 	string

Type	Name	Description	Schema
Header	userID <i>required</i>	<p>Description</p> <p>The name of the user from the Plan causing the API to be requested by the consumer</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using one user ID for all your tests. 	string

Type	Name	Description	Schema
Header	validateACRS <i>required</i>	<p>Description</p> <p>Consumer will be reviewing their own records to attempt to establish a currentcare-relationship between the organization and the beneficiary.</p> <p>If it cannot (validAcrs = False), it will forward the request, and a CC360 service will in turn attempt to find a relationship in its authorization tables, and act according to that result.</p> <p>If MiHIN can validate the relationship (validAcrs = True) the behaviour of CC360 service will vary between an initial ‘tuning’ phase and long-term production.</p> <p>In the tuning phase, a CC360 service will always consult its own authorization tables and will act according to that value.</p> <p>On a daily basis, a reconciliation report will be generated to compare Consumer and CC360 results, and MDHHS staff will work with Consumer to understand and correct any variations. Once the variations drop below a defined threshold (t.b.d), CC360 services will switch to always respecting any ACRS delivered True assertion.</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using True. 	enum (true, false)

Type	Name	Description	Schema
Path	beneID <i>required</i>	<p>Description</p> <p>10 digit Beneficiary Id, zero filled</p> <p>Mock Server</p> <p>The only Beneficiary ID's available on the Mock server are</p> <ul style="list-style-type: none"> • 9999999006 • 999999957 * <p>These beneficiary ID's do not exist in either the QA or Production servers.</p>	string

Responses

HTTP Code	Description	Schema
200	Success	SummaryChronicConditionTileModel

Tags

- Summary

Example HTTP response

Response 200

```
{
  "$ref" : "https://pwc-
lms.com/ATvh6ASxjcZIea2K0Uo84XRzy/SummaryChronicConditionsTile.json"
}
```

beneficiaries/{beneID}/summary/edvisits

```
GET /beneficiaries/{beneID}/summary/edvisits
```

Description

Overview

Returns a list of drill down details for the Emergency Department visits.

Parameters

Type	Name	Description	Schema
Header	EHRSystem <i>required</i>	<p>Description</p> <p>EHRSystem allows MDHHs to authorize one EHR to make requests while not authorizing another. The service must supply one of the names recorded in the web-service DUA as authorized at the requesting planLocation. (ie- 'PCE')</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using Any. 	string

Type	Name	Description	Schema
Header	planID <i>required</i>	<p>Description</p> <p>planID and planType combine to uniquely identify organizations within CC360. They will be retrievable from CC360 via another service.</p> <p>Consumer will use this service to populate their map mechanism so that incoming requests can be translated into the correct CC360 organization details</p> <p>Mock server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using 01. 	string

Type	Name	Description	Schema
Header	planLocation <i>required</i>	<p>Description</p> <p>planLocation is provided to allow MDHHS to authorize logical or geographical subsets of an organization, for example- Grand Rapids or Diabetes Support Team.</p> <p>If the DUA with MDHHS does not identify any authorized subsets, the parameter will be set to 'ANY'. If it has any authorized subsets, the consumer must supply one of those names and cannot use 'ANY'</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using Any. 	string

Type	Name	Description	Schema
Header	planType <i>required</i>	<p>Description</p> <p>planID and planType combine to uniquely identify organizations within CC360. they will be retrievable from CC360 via another service.</p> <p>Consumer will use this service to populate their map mechanism so that incoming requests can be translated into the correct CC360 organization details.</p> <p>Plan types are strings (ie PIHP, MHP, ICO,)</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using CMH. 	string

Type	Name	Description	Schema
Header	userID <i>required</i>	<p>Description</p> <p>The name of the user from the Plan causing the API to be requested by the consumer</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using one user ID for all your tests. 	string

Type	Name	Description	Schema
Header	validateACRS <i>required</i>	<p>Description</p> <p>Consumer will be reviewing their own records to attempt to establish a currentcare-relationship between the organization and the beneficiary.</p> <p>If it cannot (validAcrs = False), it will forward the request, and a CC360 service will in turn attempt to find a relationship in its authorization tables, and act according to that result.</p> <p>If MiHIN can validate the relationship (validAcrs = True) the behaviour of CC360 service will vary between an initial ‘tuning’ phase and long-term production.</p> <p>In the tuning phase, a CC360 service will always consult its own authorization tables and will act according to that value.</p> <p>On a daily basis, a reconciliation report will be generated to compare Consumer and CC360 results, and MDHHS staff will work with Consumer to understand and correct any variations. Once the variations drop below a defined threshold (t.b.d), CC360 services will switch to always respecting any ACRS delivered True assertion.</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using True. 	enum (true, false)

Type	Name	Description	Schema
Path	beneID <i>required</i>	<p>Description</p> <p>10 digit Beneficiary Id, zero filled</p> <p>Mock Server</p> <p>The only Beneficiary ID's available on the Mock server are</p> <ul style="list-style-type: none"> • 9999999006 • 999999957 * <p>These beneficiary ID's do not exist in either the QA or Production servers.</p>	string

Responses

HTTP Code	Description	Schema
200	Success	SummaryEDVisitsDrillDownModel

Tags

- Summary

Example HTTP response

Response 200

```
{
  "$ref" : "https://pwc-
lms.com/ATvh6ASxjcZIea2K0Uo84XRzy/SummaryEDVisitsTileShort.json"
}
```

beneficiaries/{beneID}/summary/IPAdmissions

```
GET /beneficiaries/{beneID}/summary/ipadmissions
```

Description

Overview

Returns a list of drill down details for the IP Admissions tile

Parameters

Type	Name	Description	Schema
Header	EHRSystem <i>required</i>	<p>Description</p> <p>EHRSystem allows MDHHs to authorize one EHR to make requests while not authorizing another. The service must supply one of the names recorded in the web-service DUA as authorized at the requesting planLocation. (ie- 'PCE')</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using Any. 	string

Type	Name	Description	Schema
Header	planID <i>required</i>	<p>Description</p> <p>planID and planType combine to uniquely identify organizations within CC360. They will be retrievable from CC360 via another service.</p> <p>Consumer will use this service to populate their map mechanism so that incoming requests can be translated into the correct CC360 organization details</p> <p>Mock server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using 01. 	string

Type	Name	Description	Schema
Header	planLocation <i>required</i>	<p>Description</p> <p>planLocation is provided to allow MDHHS to authorize logical or geographical subsets of an organization, for example- Grand Rapids or Diabetes Support Team.</p> <p>If the DUA with MDHHS does not identify any authorized subsets, the parameter will be set to 'ANY'. If it has any authorized subsets, the consumer must supply one of those names and cannot use 'ANY'</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using Any. 	string

Type	Name	Description	Schema
Header	planType <i>required</i>	<p>Description</p> <p>planID and planType combine to uniquely identify organizations within CC360. they will be retrievable from CC360 via another service.</p> <p>Consumer will use this service to populate their map mechanism so that incoming requests can be translated into the correct CC360 organization details.</p> <p>Plan types are strings (ie PIHP, MHP, ICO,)</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using CMH. 	string

Type	Name	Description	Schema
Header	userID <i>required</i>	<p>Description</p> <p>The name of the user from the Plan causing the API to be requested by the consumer</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using one user ID for all your tests. 	string

Type	Name	Description	Schema
Header	validateACRS <i>required</i>	<p>Description</p> <p>Consumer will be reviewing their own records to attempt to establish a currentcare-relationship between the organization and the beneficiary.</p> <p>If it cannot (validAcrs = False), it will forward the request, and a CC360 service will in turn attempt to find a relationship in its authorization tables, and act according to that result.</p> <p>If MiHIN can validate the relationship (validAcrs = True) the behaviour of CC360 service will vary between an initial ‘tuning’ phase and long-term production.</p> <p>In the tuning phase, a CC360 service will always consult its own authorization tables and will act according to that value.</p> <p>On a daily basis, a reconciliation report will be generated to compare Consumer and CC360 results, and MDHHS staff will work with Consumer to understand and correct any variations. Once the variations drop below a defined threshold (t.b.d), CC360 services will switch to always respecting any ACRS delivered True assertion.</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using True. 	enum (true, false)

Type	Name	Description	Schema
Path	beneID <i>required</i>	<p>Description</p> <p>10 digit Beneficiary Id, zero filled</p> <p>Mock Server</p> <p>The only Beneficiary ID's available on the Mock server are</p> <ul style="list-style-type: none"> • 9999999006 • 999999957 * <p>These beneficiary ID's do not exist in either the QA or Production servers.</p>	string

Responses

HTTP Code	Description	Schema
200	Success	SummaryIPAdmissionsDrillDownModel

Tags

- Summary

Example HTTP response

Response 200

```
{
  "$ref" : "https://pwc-
lms.com/ATvh6ASxjcZIea2K0Uo84XRzy/SummaryIPAdmissionsTile.json"
}
```

beneficiaries/{beneID}/summary/pharmacy

```
GET /beneficiaries/{beneID}/summary/pharmacy
```

Description

Overview

Returns a list of drill down details for the Pharmacy tile

Parameters

Type	Name	Description	Schema
Header	EHRSystem <i>required</i>	<p>Description</p> <p>EHRSystem allows MDHHs to authorize one EHR to make requests while not authorizing another. The service must supply one of the names recorded in the web-service DUA as authorized at the requesting planLocation. (ie- 'PCE')</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using Any. 	string

Type	Name	Description	Schema
Header	planID <i>required</i>	<p>Description</p> <p>planID and planType combine to uniquely identify organizations within CC360. They will be retrievable from CC360 via another service.</p> <p>Consumer will use this service to populate their map mechanism so that incoming requests can be translated into the correct CC360 organization details</p> <p>Mock server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using 01. 	string

Type	Name	Description	Schema
Header	planLocation <i>required</i>	<p>Description</p> <p>planLocation is provided to allow MDHHS to authorize logical or geographical subsets of an organization, for example- Grand Rapids or Diabetes Support Team.</p> <p>If the DUA with MDHHS does not identify any authorized subsets, the parameter will be set to 'ANY'. If it has any authorized subsets, the consumer must supply one of those names and cannot use 'ANY'</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using Any. 	string

Type	Name	Description	Schema
Header	planType <i>required</i>	<p>Description</p> <p>planID and planType combine to uniquely identify organizations within CC360. they will be retrievable from CC360 via another service.</p> <p>Consumer will use this service to populate their map mechanism so that incoming requests can be translated into the correct CC360 organization details.</p> <p>Plan types are strings (ie PIHP, MHP, ICO,)</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using CMH. 	string

Type	Name	Description	Schema
Header	userID <i>required</i>	<p>Description</p> <p>The name of the user from the Plan causing the API to be requested by the consumer</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using one user ID for all your tests. 	string

Type	Name	Description	Schema
Header	validateACRS <i>required</i>	<p>Description</p> <p>Consumer will be reviewing their own records to attempt to establish a currentcare-relationship between the organization and the beneficiary.</p> <p>If it cannot (validAcrs = False), it will forward the request, and a CC360 service will in turn attempt to find a relationship in its authorization tables, and act according to that result.</p> <p>If MiHIN can validate the relationship (validAcrs = True) the behaviour of CC360 service will vary between an initial ‘tuning’ phase and long-term production.</p> <p>In the tuning phase, a CC360 service will always consult its own authorization tables and will act according to that value.</p> <p>On a daily basis, a reconciliation report will be generated to compare Consumer and CC360 results, and MDHHS staff will work with Consumer to understand and correct any variations. Once the variations drop below a defined threshold (t.b.d), CC360 services will switch to always respecting any ACRS delivered True assertion.</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using True. 	enum (true, false)

Type	Name	Description	Schema
Path	beneID <i>required</i>	<p>Description</p> <p>10 digit Beneficiary Id, zero filled</p> <p>Mock Server</p> <p>The only Beneficiary ID's available on the Mock server are</p> <ul style="list-style-type: none"> • 9999999006 • 999999957 * <p>These beneficiary ID's do not exist in either the QA or Production servers.</p>	string

Responses

HTTP Code	Description	Schema
200	Success	SummaryPharmacyDrillDownModel

Tags

- Summary

Example HTTP response

Response 200

```
{
  "$ref" : "https://pwc-
lms.com/ATvh6ASxjcZIea2K0Uo84XRzy/SummaryPharmacyTileShort.json"
}
```

beneficiaries/{beneID}/summary/procedurecodes

```
GET /beneficiaries/{beneID}/summary/procedurecodes
```

Description

Overview

Returns a list of drill down details for the procedure codes tile

Parameters

Type	Name	Description	Schema
Header	EHRSystem <i>required</i>	<p>Description</p> <p>EHRSystem allows MDHHs to authorize one EHR to make requests while not authorizing another. The service must supply one of the names recorded in the web-service DUA as authorized at the requesting planLocation. (ie- 'PCE')</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using Any. 	string

Type	Name	Description	Schema
Header	planID <i>required</i>	<p>Description</p> <p>planID and planType combine to uniquely identify organizations within CC360. They will be retrievable from CC360 via another service.</p> <p>Consumer will use this service to populate their map mechanism so that incoming requests can be translated into the correct CC360 organization details</p> <p>Mock server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using 01. 	string

Type	Name	Description	Schema
Header	planLocation <i>required</i>	<p>Description</p> <p>planLocation is provided to allow MDHHS to authorize logical or geographical subsets of an organization, for example- Grand Rapids or Diabetes Support Team.</p> <p>If the DUA with MDHHS does not identify any authorized subsets, the parameter will be set to 'ANY'. If it has any authorized subsets, the consumer must supply one of those names and cannot use 'ANY'</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using Any. 	string

Type	Name	Description	Schema
Header	planType <i>required</i>	<p>Description</p> <p>planID and planType combine to uniquely identify organizations within CC360. they will be retrievable from CC360 via another service.</p> <p>Consumer will use this service to populate their map mechanism so that incoming requests can be translated into the correct CC360 organization details.</p> <p>Plan types are strings (ie PIHP, MHP, ICO,)</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using CMH. 	string

Type	Name	Description	Schema
Header	userID <i>required</i>	<p>Description</p> <p>The name of the user from the Plan causing the API to be requested by the consumer</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using one user ID for all your tests. 	string

Type	Name	Description	Schema
Header	validateACRS <i>required</i>	<p>Description</p> <p>Consumer will be reviewing their own records to attempt to establish a currentcare-relationship between the organization and the beneficiary.</p> <p>If it cannot (validAcrs = False), it will forward the request, and a CC360 service will in turn attempt to find a relationship in its authorization tables, and act according to that result.</p> <p>If MiHIN can validate the relationship (validAcrs = True) the behaviour of CC360 service will vary between an initial ‘tuning’ phase and long-term production.</p> <p>In the tuning phase, a CC360 service will always consult its own authorization tables and will act according to that value.</p> <p>On a daily basis, a reconciliation report will be generated to compare Consumer and CC360 results, and MDHHS staff will work with Consumer to understand and correct any variations. Once the variations drop below a defined threshold (t.b.d), CC360 services will switch to always respecting any ACRS delivered True assertion.</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using True. 	enum (true, false)

Type	Name	Description	Schema
Path	beneID <i>required</i>	<p>Description</p> <p>10 digit Beneficiary Id, zero filled</p> <p>Mock Server</p> <p>The only Beneficiary ID's available on the Mock server are</p> <ul style="list-style-type: none"> • 9999999006 • 999999957 * <p>These beneficiary ID's do not exist in either the QA or Production servers.</p>	string

Responses

HTTP Code	Description	Schema
200	Success	SummaryProcedureCodesTileModel

Tags

- Summary

Example HTTP response

Response 200

```
{ }
```

beneficiaries/{beneID}/summary/recentproviders

```
GET /beneficiaries/{beneID}/summary/recentproviders
```

Description

Overview

Returns a list of drill down details for the Recent Providers tile

Parameters

Type	Name	Description	Schema
Header	EHRSystem <i>required</i>	<p>Description</p> <p>EHRSystem allows MDHHs to authorize one EHR to make requests while not authorizing another. The service must supply one of the names recorded in the web-service DUA as authorized at the requesting planLocation. (ie- 'PCE')</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using Any. 	string

Type	Name	Description	Schema
Header	planID <i>required</i>	<p>Description</p> <p>planID and planType combine to uniquely identify organizations within CC360. They will be retrievable from CC360 via another service.</p> <p>Consumer will use this service to populate their map mechanism so that incoming requests can be translated into the correct CC360 organization details</p> <p>Mock server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using 01. 	string

Type	Name	Description	Schema
Header	planLocation <i>required</i>	<p>Description</p> <p>planLocation is provided to allow MDHHS to authorize logical or geographical subsets of an organization, for example- Grand Rapids or Diabetes Support Team.</p> <p>If the DUA with MDHHS does not identify any authorized subsets, the parameter will be set to 'ANY'. If it has any authorized subsets, the consumer must supply one of those names and cannot use 'ANY'</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using Any. 	string

Type	Name	Description	Schema
Header	planType <i>required</i>	<p>Description</p> <p>planID and planType combine to uniquely identify organizations within CC360. they will be retrievable from CC360 via another service.</p> <p>Consumer will use this service to populate their map mechanism so that incoming requests can be translated into the correct CC360 organization details.</p> <p>Plan types are strings (ie PIHP, MHP, ICO,)</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using CMH. 	string

Type	Name	Description	Schema
Header	userID <i>required</i>	<p>Description</p> <p>The name of the user from the Plan causing the API to be requested by the consumer</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using one user ID for all your tests. 	string

Type	Name	Description	Schema
Header	validateACRS <i>required</i>	<p>Description</p> <p>Consumer will be reviewing their own records to attempt to establish a currentcare-relationship between the organization and the beneficiary.</p> <p>If it cannot (validAcrs = False), it will forward the request, and a CC360 service will in turn attempt to find a relationship in its authorization tables, and act according to that result.</p> <p>If MiHIN can validate the relationship (validAcrs = True) the behaviour of CC360 service will vary between an initial ‘tuning’ phase and long-term production.</p> <p>In the tuning phase, a CC360 service will always consult its own authorization tables and will act according to that value.</p> <p>On a daily basis, a reconciliation report will be generated to compare Consumer and CC360 results, and MDHHS staff will work with Consumer to understand and correct any variations. Once the variations drop below a defined threshold (t.b.d), CC360 services will switch to always respecting any ACRS delivered True assertion.</p> <p>Mock Server</p> <ul style="list-style-type: none"> • This parameter is not validated. • Any value will work. • Recommend using True. 	enum (true, false)

Type	Name	Description	Schema
Path	beneID <i>required</i>	<p>Description</p> <p>10 digit Beneficiary Id, zero filled</p> <p>Mock Server</p> <p>The only Beneficiary ID's available on the Mock server are</p> <ul style="list-style-type: none"> • 9999999006 • 999999957 * <p>These beneficiary ID's do not exist in either the QA or Production servers.</p>	string

Responses

HTTP Code	Description	Schema
200	Success	SummaryRecentProvidersTileModel

Tags

- Summary

Example HTTP response

Response 200

```
{
  "$ref" : "https://pwc-
lms.com/ATvh6ASxjcZIea2K0Uo84XRzy/SummaryRecentProvidersTileShort.json"
}
```

plans

GET /plans

Description

Overview

Get a list of the Plans/Agencies including Plan ID, type, EHR System and location

Responses

HTTP Code	Description	Schema
200	Success	PlanModel

Tags

- Plans

Example HTTP response

Response 200

```
[ {
  "PlanType" : "GCHAP",
  "PlanID" : "01",
  "PlanName" : "Genesee County zChildren's Healthcare Access plan ",
  "EHRSsystem" : "Any",
  "Location" : "Any",
  "ExtractDUA" : "Inactive",
  "WebDUA" : "Active",
  "APIDUA" : "Active"
}, {
  "PlanType" : "ICO",
  "PlanID" : "11",
  "PlanName" : "Aetna Better Health of Michigan",
  "EHRSsystem" : "Any",
  "Location" : "Any",
  "ExtractDUA" : "Inactive",
  "WebDUA" : "Inactive",
  "APIDUA" : "Active"
} ]
```


Definitions

ClientSummaryTilesModel

NOTE This model describes a single object. There are 11 areas (Tiles) of summaries that make up this model. All 11 tiles are returned in a single object.

Name	Description	Schema
Antipsychotics <i>optional</i>	List of the top 3 Antipsychotics.	< ClientSummaryTile sModel_Antipsychot ics > array
BHIPAdmissions <i>optional</i>	List of the most recent 3 BH Inpatient admissions	< ClientSummaryTile sModel_BHIPAdmis sions > array
ChronicConditions <i>optional</i>	These are the Top 3 Chronic conditions out of the total # for a Beneficiary.	< ClientSummaryTile sModel_ChronicCon ditions > array
Dental <i>optional</i>	List of the most recent 3 dental visits.	< ClientSummaryTile sModel_Dental > array

Name	Description	Schema
EDVisits <i>optional</i>	These are most recent 3 visits.	< ClientSummaryTile sModel_EDVisits > array
ERDental <i>optional</i>	List of the most recent 3 ED dental visits	< ClientSummaryTile sModel_Dental > array
IPAdmissions <i>optional</i>	List of the last 3 admissions.	< ClientSummaryTile sModel_IPAdmissions > array
Pharmacy <i>optional</i>	These are top 3 pharmacy fills	< ClientSummaryTile sModel_Pharmacy > array
ProcedureCodes <i>optional</i>	List of the top 3 codes.	< ClientSummaryTile sModel_ProcedureCodes > array

Name	Description	Schema
Psychotropics <i>optional</i>	List of the top 3 psychotropics.	< ClientSummaryTilesModel_Psychotropics > array
RecentProviders <i>optional</i>	List of the most recent 3 providers	< ClientSummaryTilesModel_RecentProviders > array

ClientSummaryTilesModel_Antipsychotics

Name	Description	Schema
GenericDrugName <i>optional</i>	Example : "BREXIPRAZOLE"	string
MostRecentFile <i>optional</i>	Example : "2017-06-30T00:00:00.000+0000"	string
NumberOfFiles <i>optional</i>	Example : 2	integer (int32)

ClientSummaryTilesModel_BHIPAdmissions

Name	Description	Schema
AdminDate <i>optional</i>	Example : "2017-05-05T00:00:00.000+0000"	string
FacilityName <i>optional</i>	Example : "1144381245 - HARBOR OAKS HOSPITAL "	string
TILE_IND <i>optional</i>	Indicates the risk status for this tile * Blank - Unknown * L - Low * M - Medium * H - High Example : "H "	string

ClientSummaryTilesModel_ChronicConditions

Name	Description	Schema
Condition <i>optional</i>	Example : "DIABETES"	string
CurrentCount <i>optional</i>	Example : 14	integer (int32)
TILE_IND <i>optional</i>	Indicates the risk status for this tile * Blank - Unknown * L - Low * M - Medium * H - High Example : "H "	string

ClientSummaryTilesModel_Dental

Name	Description	Schema
Provider <i>optional</i>	Example : "Hoover Family Dental "	string
TILE_IND <i>optional</i>	Indicates the risk status for this tile * Blank - Unknown * L - Low * M - Medium * H - High Example : "L "	string
VisitDate <i>optional</i>	Example : "02/22/2016"	string

ClientSummaryTilesModel_EDVisits

Name	Description	Schema
Facility <i>optional</i>	The name of the Facility preceded by its 10 digit NPI. Example : "1134144801 - HENRY FORD HOSPITAL "	string
TILE_IND <i>optional</i>	Indicates the risk status for this tile * Blank - Unknown * L - Low * M - Medium * H - High Example : "L "	string
VisitDate <i>optional</i>	Emergency Department Visit Date Example : "12/27/2016"	string

ClientSummaryTilesModel_IPAdmissions

Name	Description	Schema
AdmitDate <i>optional</i>	Example : "2016/02/16"	string
FacilityName <i>optional</i>	The name of the Facility preceded by its 10 digit NPI. Example : "1952307852 - MUNSON MEDICAL CENTER "	string
TILE_IND <i>optional</i>	Indicates the risk status for this tile * Blank - Unknown * L - Low * M - Medium * H - High Example : "L "	string

ClientSummaryTilesModel_Pharmacy

Name	Description	Schema
GenericDrug Name <i>optional</i>	Example : "ALPRAZOLAM"	string

Name	Description	Schema
Most Recent Fill <i>optional</i>	<p>This is timestamp field. The time is always midnight. The date portion is separated from the time portion by a single space.</p> <p>Date Format - zm/zd/yyyy months and days dont have leading zeros.</p> <p>Example : "3/14/2017 12:00:00 AM"</p>	string
Number of Fills <i>optional</i>	<p>The number of fills for the given DrugName.</p> <p>Example : 14</p>	integer (int32)

ClientSummaryTilesModel_ProcedureCodes

Name	Description	Schema
Current Count <i>optional</i>	Example : 3	integer (int32)
Procedure Code <i>optional</i>	Example : "99213 - Office/outpatient visit est"	string

ClientSummaryTilesModel_Psychotropics

Name	Description	Schema
GenericDrugName <i>optional</i>	This is the cool name for the drug. Example : "DIVALPROEX SODIUM"	string
MostRecentFill <i>optional</i>	hhhhh Example : "2016-09-19T00:00:00.000+0000"	string
NumberOfFills <i>optional</i>	Example : 3	integer (int32)

ClientSummaryTilesModel_RecentProviders

Name	Description	Schema
MostRecentVisit <i>optional</i>	Example : "2017-05-08T00:00:00.000+0000"	string
ProviderID <i>optional</i>	Example : "1952791105"	string

Name	Description	Schema
ProviderName <i>optional</i>	Example : "BEST URGENT CARE PC"	string
TotalVisits <i>optional</i>	Example : 3	integer (int32)

HelloWorldModel

This is a confidence response to show that the link connection to the API server is working

Name	Description	Schema
BuildEdition <i>optional</i>	<p>The Build Edition is used to keep track of which packages are being published on each of the servers.</p> <p>Using the example above-</p> <ul style="list-style-type: none"> • Major release (ie- 17.9) • Build version (ie- 6464) • Package ID (ie- 27407) <p>Example : "17.9.6464.27407"</p>	string
Message <i>optional</i>	Example : "Hello World."	string

Name	Description	Schema
ServerTime <i>optional</i>	This is the State of Michigan Application servers time stamp. Example : "9/18/2017 4:04:14 PM"	string

PlanModel

The object is the plans and the status of the Data User Agreements (DUA). The APIDUA indicates if this plan has been granted access to the CC360-API.

Type : < [PlanModel_inner](#) > array

PlanModel_inner

Name	Description	Schema
APIDUA <i>optional</i>	Indicates that this Plan ID/Type/EHRSystem/Location has a valid data user agreement for using the CC360 API. Example : "Active"	enum (Active, Inactive)
EHRSystem <i>optional</i>	Type type of Electronic Health Records system that the consumer is proxy for this request Default is Any Maximal length : 30 Example : "PCE"	string

Name	Description	Schema
ExtractDUA <i>optional</i>	Indicates that this Plan ID/Type/EHRSystem/Location has a valid Data User Agreement for extracting data from the CC360 web application. Example : "Active"	enum (Active, Inactive)
Location <i>optional</i>	The location of the plan that the consumer is proxy for this request. It is a simple text field to identify location (ie Lansing, Grand Rapids, Traverse City) Default is Any Maximal length : 30 Example : "Grand Rapids"	string
PlanID <i>optional</i>	This is the code used to help identify a specific plan Maximal length : 50 Example : "13"	string
PlanName <i>optional</i>	Maximal length : 500 Example : "Macomb Co CMH services"	string
PlanType <i>optional</i>	Indicates which type of provider for the plan. PIHP, MHP, ICO, etc' Maximal length : 10 Example : "PIHP"	enum (CGHAP, ICO, LCW, LHD, MHP, PIHP)

Name	Description	Schema
WebDUA <i>optional</i>	Indicates that this Plan ID/Type/EHRSystem/Location has a valid data user agreement for using the CC360 web application. Example : "Active"	enum (Active, Inactive)

Status400

Bad request. Request was received that could not be understood by the server. This could be caused by any of the issues below.

Name	Description	Schema
INVALID_BENEFICARY <i>optional</i>	Example : "The beneficiary ID if supplied was not formatted correctly. Beneficiary ID is 10 digits, zero filled"	string
INVALID_CASE <i>optional</i>	Example : "The case ID if supplied was not formatted correctly. Case ID is an integer number, no decimal point or commas."	string
INVALID_GOAL <i>optional</i>	Example : "The Goal ID if supplied was not formatted correctly. Goal ID is an integer number, no decimal point or commas. "	string
MISSING_PLAN <i>optional</i>	Example : "Header value is missing. planID has to be passed with a non empty value"	string

Name	Description	Schema
MISSING_TYPE <i>optional</i>	Example : "Header value is missing. planType has to be passed with a non empty value"	string

Status404

Not Found . the server could not find what was requested

Name	Description	Schema
Message <i>optional</i>	Example : "Beneficiary is not found."	string

SummaryChronicConditionTileModel

NOTE This model describes a single object in an array of zero to many objects. List of the Chronic conditions with tile drill down details

Name	Description	Schema
13-18 Months <i>optional</i>	Number of occurrences for this Condition in 13-18 Months Example : " 109"	string
7-12 Months <i>optional</i>	Number of occurrences for this Condition in 7-12 Months Example : " 37"	string

Name	Description	Schema
BeneficiaryID <i>optional</i>	Medicaid identifier for this beneficiary Example : "9999999903"	string
Conditions <i>optional</i>	Name of the Chronic Condition(s) Example : "DIABETES"	string
Last 6 Months <i>optional</i>	Number of occurrences for this Condition in 6 Months Example : " 14"	string

SummaryEDVisitsDrillDownModel

This is a list of Emergency Room visits for the selected beneficiary.

Type : < [SummaryEDVisitsDrillDownModel_inner](#) > array

SummaryEDVisitsDrillDownModel_inner

Name	Description	Schema
AdmittingReason <i>optional</i>	??.	string
BeneficiaryID <i>optional</i>	Medicaid identifier for this beneficiary Example : "9999999903"	string

Name	Description	Schema
DateOfService <i>optional</i>	Date the emergency department visit occurred. Example : "2/25/2017 12:00:00 AM"	string
Facility <i>optional</i>	The name of the facility where the in patient admission occurred. Example : "1023088168 - ST JOHN HOSPITAL AND MEDICAL CENTER "	string
PrimaryDiagnosis <i>optional</i>	Primary diagnosos code. Includes the ICD-10 code and the description. Example : "IM7989 - Other specified soft tissue disorders"	string
SecondaryDiagnosis <i>optional</i>	Secondary diagnosos code. Includes the ICD-10 code and the description. Example : "R600 - Localized edema"	string
TCN <i>optional</i>	Transaction Control Number, uniquely identifies transaction in CHAMPS Example : "9988776655443327777"	string

SummaryIPAdmissionsDrillDownModel

This is a list of inpatient admissions for the selected beneficiary.

Type : < [SummaryIPAdmissionsDrillDownModel_inner](#) > array

SummaryIPAdmissionsDrillDownModel_inner

Name	Description	Schema
AdmitDate <i>optional</i>	Date the beneficiary was admitted to the facility. Example : "2017-04-30T00:00:00.000+0000"	string
BeneficiaryID <i>optional</i>	Medicaid identifier for this beneficiary Example : "9999999903"	string
DischargeDate <i>optional</i>	Date the beneficiary was discharged from the facility. Example : "2017-05-01T00:00:00.000+0000"	string
FacilityName <i>optional</i>	The name of the facility where the in patient admission occurred. Example : "2234455666 - St Marys Cental Hospital"	string
HospitalType <i>optional</i>	Type of facility.	string
LengthOfStay <i>optional</i>	The number of days the Inpatient admission was for. Example : 2	integer (int32)
PrimaryDX <i>optional</i>	Primary diagnosos code. Includes the ICD-10 code and the description. Example : "I639 - CEREBRAL INFARCTION UNSPECIFIED"	string

Name	Description	Schema
TCN <i>optional</i>	Transaction Control Number, uniquely identifies transaction in CHAMPS Example : "9988776655443327777"	string

SummaryPharmacyDrillDownModel

Pharmacy details for a specific beneficiary.

Type : < [SummaryPharmacyDrillDownModel_inner](#) > array

SummaryPharmacyDrillDownModel_inner

Name	Description	Schema
BeneficiaryID <i>optional</i>	Medicaid identifier for this beneficiary Example : "9999999903"	string
BrandName <i>optional</i>	The brand name of the drug, Example : "WARFARIN SODIUM"	string
DailyDose <i>optional</i>	Dosage of medication per day. Example : "1.00"	string
DaysSupply <i>optional</i>	How many days this script is expected to last. Example : 30	integer (int32)

Name	Description	Schema
DoseStrength <i>optional</i>	Provides a description of drug potency in units. Example : "1.000"	string
DoseUnits <i>optional</i>	Use in conjunction with drug strength number, volume number and volume units to obtain a conventional strength expression for the drug product. Length : 10 Example : "MG"	string
Filldate <i>optional</i>	Date that the prescription was filled. Example : "2017-08-04T00:00:00.000+0000"	string
GenericName <i>optional</i>	The generic name of the drug. Example : "WARFARIN SODIUM"	string
PrescribingProvider <i>optional</i>	Name of the doctor or provider who wrote the script. Example : "JIRA G COUMARBATCH "	string
QuantityDispensed <i>optional</i>	Number of pills dispensed expressed in metric decimal units. Example : "30.00"	string

Name	Description	Schema
TotalDailyDose <i>optional</i>	The daily dosage multiplied by the strength. The first portion of this field is the units in decimal with 3 units of precision. There is a separator (space)(hyphen)(space) Then the measurement of weight. Length : 25 Example : "1.000 - MG"	string

SummaryProcedureCodesTileModel

NOTE This model describes a single object in an array of zero to many objects. List of the all of the procedure calls with tile drill down details

Name	Description	Schema
BeneficiaryID <i>optional</i>	Medicaid identifier for this beneficiery Example : "9999999903"	string
CurrentCount <i>optional</i>	Number of times for a given ProcedureCode used in a given period of time Example : 6.0	number (int32)
EarliestDate <i>optional</i>	Earliest date of the Procedure Code in a given period of time Example : "2/8/2016 12:00:00 AM"	string

Name	Description	Schema
LatestDate <i>optional</i>	Most recent date of the Procedure Code in a given period of time Example : "2/8/2017 12:00:00 AM"	string
ProcedureCode <i>optional</i>	Sub-type of Medical Classification used to identify specific surgical, medical or diagnostic interventions Example : "99336 - Domicil/r-home visit est pat"	string

SummaryRecentProvidersTileModel

NOTE This model describes a single object in an array of zero to many objects. List of the all of the recent providers with tile drill down details

Name	Description	Schema
BeneficiaryID <i>optional</i>	Medicaid identifier for this beneficiery Example : "9999999903"	string
DateOfService <i>optional</i>	Date of Service received by the Beneficiary Example : "2/18/2017 12:00:00 AM"	string
PrimaryDx <i>optional</i>	Primary diagnosis made at the time of Service Example : "M79621 - PAIN IN RIGHT UPPER ARM"	string

Name	Description	Schema
ProviderID <i>optional</i>	NPI-National Provider Identifier of the Provider Example : "1528031226"	string
SecondaryDx <i>optional</i>	Secondary diagnosis made at the time of Service Example : " - PAIN IN RIGHT UPPER ARM"	string
TCN <i>optional</i>	Transaction Control Number of a Claim Example : "9999999999999000"	string

include:apiHistory.adoc[API History]

Documentation History

This is the revision history of this document.

Table 3. Document History

Date	Version	Author	Description
08/13/18	2.1v	JHRS	Added missing data flow Diagram
08/01/2018	2.1u	JHRS	Updates for generated Swagger
10/11/2017	2.1t	JHRS	Last 3 endpoints for Phase I added
09/21/2017	2.1s	JHRS	Additional endpoints added for Sprint number 2
09/04/2017	2.1r	JHRS	Added more details on the error types
08/29/2017	2.1q	JHRS	Clarified the version single Sprint Number 1 Version 0.90.x is QA (x) is the Sprint NUMber
08/17/2017	2.1p	MN	Updated for grammar and clarity
08/09/2017	2.1n	MN	INitial changes under review
08/08/2017	2.1m	JHRS	Updated description for Swagger2ASCIIDoctor generation
08/01/2017	2.1k	JHRS	Moved the API revision history from Swagger to this document Added the link to the most recent SWAGGER document
07/27/2017	2.1j	JHRS	Updated Full-Trust and Trust-but-verify definitions
07/26/2017	2.1h	JHRS	Added the endpoint priority list
07/24/2017	2.1g	JHRS	Added Business Process Model for security contract, fix publishing
07/21/2017	2.1f	JHRS	Updated message on NO PHI, added GenDoc.ps1 for publishing

Date	Version	Author	Description
07/17/2017	2.1e	JHRS	Added clean screen shots of pages in discussion
07/14/2017	2.1d	JHRS	Integrated into Swagger Hub document tool chain
07/10/2017	2.1c	JHRS	Cross reference for pages added
07/07/2017	2.1b	JHRS	Initial version of document created