

# I-heal 2.0 Integration Framework Service Registration and Services

# **Purpose**

This document provides a brief overview of the i-heal 2.0 integration API framework and describes the registration process used to request access to the API. The API can be used by a 3<sup>rd</sup> party application to request data contained in the i-heal 2.0 EHR.

# Scope

The describes the process to gain access to the API and provides references to other documents which describe the API transactions in detail.

Other documents are available which describes each service

https://ihealintegrationapi.healogics.com/apidocs/api/v1/registrationhelp - describes registration process to gain access for i-heal integration api use as well as the api used for user authentication, password management, facility authorization, patient search, demographics, and patient common data sets.

https://ihealintegrationapi.healogics.com/apidocs/api/v1/authenticationhelp - describes api used for user authentication, password management, and facility authorization.

https://ihealintegrationapi.healogics.com/apidocs/api/v1/patientsearchhelp - describes api used for patient search and patient demographics access.

https://ihealintegrationapi.healogics.com/apidocs/api/v1/datarequesthelp - describes api used for accessing patient common data sets.

#### Terms of Use

Under the Health Insurance Portability and Accountability Act of 1996 (HIPAA), Healogics, Inc. and its subsidiaries (Healogics, Inc.) are "Business Associates" of each Hospital to which they provide wound care management services and, as such, are statutorily and contractually obligated and liable for maintaining the privacy and security of the "protected health information" (known as "PHI") for all patients treated in the Hospital's Wound Healing Program (Program). Under the HIPAA "Privacy Rule", "Security Rule" "HITECH Rule", and under each Hospital management agreement, Healogics, Inc. is also required to have comprehensive policies and procedures for the use and disclosure of PHI and "electronic PHI" (e-PHI). These policies and procedures can be located on the Healogics WebPortal within the Policy tab at <a href="https://www.dcswebportal.com">https://www.dcswebportal.com</a>.



As a part of your activities for the Program of the Hospital, you may have access to and use of PHI and/or e-PHI through the I-heal system. I-heal is a proprietary, web-based disease management and wound care outcome tracking system that documents patient progress and treatment outcomes for patients receiving treatment through the Program.

By using the i-heal integration API you acknowledge that: (1) your access to and use of I-heal is conditioned on your compliance with the below terms of use, (2) you agree to comply with HIPAA in connection with your Program activities and (3) you have read and agree to the below terms of use regarding your access to and use of the I-heal system. If you have any questions concerning our policies and procedures, please contact the Healogics, Inc. Compliance/Privacy Office at 904-446-3427, or e-mail us at: compliance@healogics.com.

- 1. My login ID is my own individual, personal code for gaining access into the I-heal system and I agree that I will not share my login ID and/or password with anyone or use another person's ID and/or password.
- 2. My login ID allows me to access only such information which I have been authorized to use to perform my job responsibilities and I agree that I will only use my computer access as appropriate in order to carry out my assigned duties.
- 3. When working in I-heal my login ID, electronic signature and initials, act as my personal signature, and are legally binding as my authorized personal signature.
- 4. The information I access through I-heal is privileged, and/or confidential, and should be used only in the performance of job-related or patient-related activities. I agree that I will not divulge PHI or other confidential information unless requested to do so by my supervisor or other authorized personnel in the performance of my job duties or as permitted or required by applicable law and regulation and policies and procedures of the Hospital.
- 5. It is a violation of Healogics, Inc.'s policies and the Hospital's policies to print PHI remotely using the I-heal system (e.g., at home, hotel, or any off-site printer) and I will not print such PHI remotely from the I-heal system.
- 6. I will notify Healogics's Compliance Officer if I believe a HIPAA breach has occurred or if I believe someone using I-heal has violated any of these terms of use.
- 7. I must log-off access to I-heal if I leave the computer terminal for any period of time. I understand that failure to log-off is a violation of these terms and Hospital policies.
- 8. I understand I am responsible for any information I input into the I-heal system.
- 9. I agree that no medical record or other document or information generated or maintained for the Hospital in connection with billing or medical recordkeeping for Program patients may be removed from the treatment center without Hospital written approval.

I understand that my failure to comply with the foregoing in the future may result in the discontinuation of my access to and use of I-heal and that any such breach may also be the basis for civil or criminal prosecution under state and/or federal law and that, if I am an employee or contractor of the Hospital or Healogics, Inc., such relationship may subject me to disciplinary action including and up to possible termination.



# Registration

Vendors seeking access to the i-heal integration API must register with Healogics, Inc. and obtain a private key used during request authentication in each API request. No API request may be issued without a valid private key issued by Net Health.

# **API Message Context**

i-heal API services are RESTful API that allows runs on HTTPS which accepts requests and sends responses in JSON format contained in the body of the HTTPS message. Requests and responses use the javascript style camel case notations for property names.

#### Private Key

A private key (or API Key) is assigned to a caller which must be included in the JSON request packet under property name 'privateKey'. This key must match the key assigned to the caller or else the request packet will be discarded, and an error message will be returned. The private key is obtained from Net Health as described in the registration help instructions.

# **API Message Errors**

Successful API requests for all i-heal API return an HTTP 200 response; error conditions may return using HTTP response in 400 or 500 range. An error response message may be returned with the following data encoded in the message body.

#### Table 1 Error response body

able 2 Ellion respense souy				
errorCode	numeric	Required	Error code; see below	
errorMessage	String; alpha-numeric	Required	error message; detailed user-friendly message	
errors	Array of Object; Table 2 Error detail	Optional	May be empty array;	
warnings	Array of Object; Table 2 Error detail	Optional	Non-fatal messages; May be empty array;	
requestId	Guid	Required	Message requestId	

#### Table 2 Error detail

fieldname	string	Required	Field associated with following messages
		N/	Tollowing messages
errors	Array of String; alpha-	Required	Error message; detailed
	numeric		user-friendly message

#### Table 3 Error codes

errorCode	ErrorMessage
1	Login failed
2	Invalid private key
3	Invalid token
4	Authentication failed



7	Authorization failed
10	Account locked out
11	Password expired
12	Token expired
13	Invalid user Id
14	Invalid input field
15	Unknown error
16	Accept Terms required
40	User must change password
41	User must accept Terms of Use
42	User password expired in facility
43	User not authorized in facility
44	User not authorized in location
45	Invalid token for event
46	Could not reset password

# Sample Response Body

```
{
  "errorCode": 2,
  "errorMessage": "The supplied private key is invalid for this service",
  "errors": null,
  "warnings": null,
  "requestId": "e6683367-b1fa-48c0-b566-61b518a89b68"
}
```

#### **Authentication Overview**

Authentication services include API which may be used to request user authentication, password management, and facility authorization. A user must be authenticated prior to subsequent calls to other i-heal API to ensure authorized access and log user activity.

The Authenticate API may be used providing a valid username and password to obtain the i-heal
userId for the authenticated user and a temporary token; both are required in all subsequent calls to
any i-heal API.

An indicator is provided if the user must change their password or accept terms and conditions of use. The following API calls may be made to perform these operations. No clinical API may be subsequently called while these use states are indicated.

- UserProfileGet API may be used to obtain demographics of the authenticated user.
- *UserFacilityListGet* API may be used to obtain the facility authorization of the authenticated user. Attributes of each facility the user has access are provided.



- UserPasswordSet API may be used to change the password of the authenticated user.
- TermsAndConditionsAccept API may be used to accept i-heal terms of use by an authenticated user.
   TermsAndConditionsAdminGet API must be used to obtain the terms and condition 'noticeText' supplied to the TermsAndConditionsAccept request.
- UserPasswordResetGet and UserPasswordResetSet API may be used by a user to reset their
  password which had been forgotten. A security question must be answered correctly; after which, a
  new password is emailed to the user.
- The AuthenticateInstance API, like Authenticate, may be used providing a valid username and password to obtain the i-heal userId for the authenticated user and a temporary token. In this instance, the temporary token is very short term, single use token which is used by AuthenticatebyToken and DocumentSign API.
- AuthenticateByToken API authenticates a user using a short term, single use token instead of username and password. This is useful for single sign-on when transferring an authenticated user between applications. Like Authenticate, a userId and temporary token is returned.
- Close API invalidates a temporary token obtained using Authenticate or AuthenticateByToken.

#### **Authentication Services API**

**Authenticate** – authenticate the provided username and password returning the user's userId and a master token for temporary use.

**HTTP POST** 

URL: <a href="https://ihealintegrationapi.healogics.com/authservice/api/v2/Authenticate">https://ihealintegrationapi.healogics.com/authservice/api/v2/Authenticate</a>

**HEADER:** 

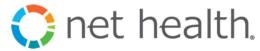
Content-Type application/json

#### Table 4 Authenticate request body

privateKey	String; alpha-numeric	Required	Assigned to vendor at registration
userName	String; alpha-numeric	Required	
password	String; printable	Required	

#### Table 5 Authenticate response body

masterToken	String; alpha-numeric	Required	Token obtained via
			Authenticate API; used
			in all subsequent API
			calls
user	Object; Table 6 User	Required	Describes the
	object		authenticated user



## Table 6 User object

userId	Numeric	Required	userId used in all
			subsequent API calls
username	alpha-numeric	Required	
firstName	alpha-numeric	Optional	
lastName	alpha-numeric	Optional	
middleName	Alpha-numeric	Optional	
address1	alpha-numeric	Optional	
address2	alpha-numeric	Optional	
city	alpha-numeric	Optional	
state	alpha-numeric	Optional	2 digit state code
zip	numeric string	Optional	5 or 10 digit zip code
phone	numeric string	Optional	10 digit phone
email	alpha-numeric	Optional	
positionCode	Numeric	Optional	values from 0  SelectionAdminGet — returns a list of valid code table values for the given selection list name and facilityId; returns list of valid code & value.Position selection in  SelectionAdminGet — returns a list of valid code table values for the given selection list name and facilityId; returns list of valid code & value.Error! Reference source not found.
positionDescription	String	Conditionally Required	Touriu.
employedByCode	Numeric	Optional	values from 0  SelectionAdminGet — returns a list of valid code table values for the given selection list name and facilityId; returns list of valid code & value.EmployedBy selection in SelectionAdminGet — returns a list of valid

net health.

		the given selection list name and facilityId; returns list of valid code & value.Error! Reference source not found.
String	Conditionally Required	
Array of string; alpha- numeric	Required	
Boolean	Conditionally Required	Indicates the user must agree to TAC; "true" – user must agree to Tac; otherwise, no action needed. If "true" all further API calls will fail.
Boolean	Conditionally Required	Indicates the user must change password; "true" –user must change pw; otherwise, no action needed. If "true" further API calls may fail.
	Array of string; alphanumeric Boolean	Array of string; alphanumeric  Boolean  Conditionally Required

# Sample Request Body

```
{
    "userName" : "minniemouse",
    "password" : "daisiyduck",
    "privateKey" : "ABCDEF0123456789abcdef"
}
```



# Sample Response Body

```
"masterToken": "EO7MkxpIAL/ZtJ6nSeTS8MpckFTPSnyw2DBHaBlx5cFu3EW/CNzwjA",
"user": {
  "userId": 674861,
  "userName": "minniemouse",
  "firstName": "Minnie",
  "lastName": "Mouse",
  "address1": null,
  "address2": null,
  "city": null,
  "state": null,
  "zip": null,
  "phone": "",
  "email": "mmouse@disney.com",
  "roles": [
    "FacilityUser",
    "ReportUser",
  ],
  "lastLogonTime": "2016-11-14T16:18:31.93",
  "termsAndConditions": false,
  "passwordChange": false,
  "positionCode": 13,
  "positionDescription": "Other",
  "employedByCode": 7,
  "employedByDescription": "Healogics"
},
"errorCode": 0,
"errorMessage": "Request was completed successfully",
"errors": [],
"warnings": [],
"requestId": "253ca6a3-f7c2-45e4-96f1-1318d7f5d46c"
```

**AuthenticateInstance** – authenticate the provided username and password generating an instance (single use) token instead of a master token. An instance token has a much shorter life span and is used for applying signatures API.

#### **HTTP POST**

URL: https://ihealintegrationapi.healogics.com/authservice/api/v2/AuthenticateInstance

```
nethealth.com | The Art of the Right Fit® 40 24th Street, 1st Floor | Pittsburgh, PA 1522 | 800 411 6281
```



#### **HEADER:**

Content-Type application/json

#### Table 7 AuthenticateInstance request body

privateKey	String; alpha-numeric	Required	Assigned to vendor at registration
userName	String; alpha-numeric	Required	
password	String; printable	Required	

#### Table 8 AuthenticateInstance response body

/				
instanceToken	String; alpha-numeric	Required	Single use token;	
			expires very soon	
userId	Numeric	Required	userId used in all	
			subsequent API calls	

# Sample Request Body

```
{
    "userName" : "minniemouse",
    "password" : "daisiyduck",
    "privateKey" : "ABCDEF0123456789abcdef"
}
```

# Sample Response Body

```
{
    "masterToken": "EO7MkxpIAL/ZtJ6nSeTS8MpckFTPSnyw2DBHaBIx5cFu3EW/CNzwjA",
    "userId": 674861,
    "errorCode": 0,
    "errorMessage": "Request was completed successfully",
    "errors": [],
    "warnings": [],
    "requestId": "253ca6a3-f7c2-45e4-96f1-1318d7f5d46c"
}
```

**AuthenticateByToken** – authenticate the provided instance token and userId. Decrypts the provided 'cipherText' sequence. This API is used authenticate a user using authentication instance token generated with *AuthenticateInstance*.

#### **HTTP POST**

URL: <a href="https://ihealintegrationapi.healogics.com/authservice/api/v2/AuthenticateByToken">https://ihealintegrationapi.healogics.com/authservice/api/v2/AuthenticateByToken</a>

**HEADER:** 

Content-Type application/json

```
nethealth.com | The Art of the Right Fit® 40 24th Street, 1st Floor | Pittsburgh, PA 1522 | 800 411 6281
```



## Table 9 AuthenticateByToken request body

privateKey	String; alpha-numeric	Required	Assigned to vendor at registration
authenticateToken	String; alpha-numeric	Required	
userId	Numeric	Required	
cipherTexts	Object	Optional	Custom object carrying cipherTexts to be decrypted

## Table 10 AuthenticateByToken response body

masterToken	String; alpha-numeric	Required	token used in all subsequent API calls
user	Object; Table 11 User object	Required	·
plainTexts	Object	Conditionally Required	Present if cipherTexts present; matching object with decrypted strings

# Table 11 User object

userId	Numeric	Required	userId used in all subsequent API calls
username	alpha-numeric	Required	·
firstName	alpha-numeric	Optional	
lastName	alpha-numeric	Optional	
middleName	Alpha-numeric	Optional	4
address1	alpha-numeric	Optional	
address2	alpha-numeric	Optional	
city	alpha-numeric	Optional	
state	alpha-numeric	Optional	2 digit state code
zip	numeric string	Optional	5 or 10 digit zip code
phone	numeric string	Optional	10 digit phone
email	alpha-numeric	Optional	
positionCode	Numeric	Optional	values from 0 SelectionAdminGet — returns a list of valid code table values for the given selection list name and facilityId; returns list of valid code & value.Position selection in SelectionAdminGet — returns a list of valid code table values for the given selection list name and facilityId;

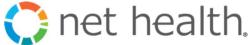
net	hea	lth,
-----	-----	------

			returns list of valid code & value.Error! Reference source not found.
positionDescription	String	Conditionally Required	
employedByCode	Numeric	Optional	values from 0  SelectionAdminGet — returns a list of valid code table values for the given selection list name and facilityld; returns list of valid code & value.EmployedBy selection in SelectionAdminGet — returns a list of valid code table values for the given selection list name and facilityld; returns list of valid code & value.Error! Reference source not
			found.
employedByDescription	String	Conditionally Required	
roles	Array of string; alpha- numeric	Required	
termsAndCondition	Boolean	Conditionally Required	Indicates the user must agree to TAC; "true" – user must agree to Tac; otherwise, no action needed. If "true" all further API calls will fail.
passwordChange	Boolean	Conditionally Required	Indicates the user must change password; "true" –user must change pw; otherwise, no action needed. If "true" further API calls may fail.

# Sample Request Body

"authenticateToken": "CWkNyTFC66ChggiA==vE6xY4r+jySLiOWTDyEedXCBao+",

nethealth.com | The Art of the Right Fit® 40 24th Street, 1st Floor | Pittsburgh, PA 1522 | 800 411 6281



```
"userId": "NAeptf07cqs=",
          "PrivateKey": "ABCDEF0123456789abcdef",
         "cipherTexts":
               "userId": "NAeptf07cqs=",
               "patientId": "",
               "facilityID": "12G1AtgXWQ+="
       }
}
Sample Response Body
{
        "masterToken": "EO7MkxpIAL/ZtJ6nSeTS8MpckFTPSnyw2DBHaBlx5cFu3EW/CNzwjA",
        "user": {
                "userId": 674861,
                "userName": "minniemouse",
                "firstName": "Minnie",
                "lastName": "Mouse",
                "address1": null,
                "address2": null,
                "city": null,
                "state": null,
                "zip": null,
                 "phone": "",
                 "email": "mmouse@disney.com",
                  "roles": [
                      "FacilityUser",
                      "ReportUser",
               "lastLogonTime": "2016-11-14T16:18:31.93"
               "termsAndConditions": false,
                "passwordChange": false,
                "positionCode": 13,
               "positionDescription": "Other",
               "employedByCode": 7,
                "employedByDescription": "Healogics"
        "plainTexts":
nethealth.com | The Art of the Right Fit®
40 24th Street, 1st Floor | Pittsburgh, PA 1522 | 800 411 6281
```



#### **Close** – invalidates the master token for an authenticated user.

**HTTP POST** 

URL: <a href="https://ihealintegrationapi.healogics.com/authservice/api/v2/UserFacilityListGet">https://ihealintegrationapi.healogics.com/authservice/api/v2/UserFacilityListGet</a>

**HEADER:** 

Content-Type application/json

#### Table 12 Close request body

privateKey	String; alpha-numeric	Required	Assigned to vendor at registration
masterToken	String; alpha-numeric	Required	Token obtained via Authenticate API; used in all subsequent API calls
userld	Numeric	Required	userId of the authenticated user

#### Table 13 Close response body

_			
	None		

# Sample Request Body



# Sample Response Body

```
{
  "errorCode": 0,
  "errorMessage": "The request completed successfully",
  "errors": null,
  "warnings": null,
  "requestId": "a5eceb1e-6ddd-44a2-8c64-b4124ca2d686"
}
```

**TermsAndConditionsAccept** – records a user's acceptance of i-heal terms and condition notice.

New users and user password changes require acceptance of i-heal's *Terms and Conditions* prior to accessing further clinical information from i-heal.

The "noticeText" value provided with this call may be obtained using TermsAndConditionsAdminGet API

Authenticate API call succeeds for the user when *Terms And Conditions* require acceptance; however, all other API calls requiring an authenticated userId will fail with "Accept Terms Required" error until terms are accepted.

#### **HTTP POST**

**HEADER:** 

 $\label{lem:url:https://ihealintegrationapi.healogics.com/authservice/api/v2/TermsAndConditionsAccept \\$ 

Content-Type application/json

Table 14 TermsAndConditionsAccept request body

privateKey	String; alpha-numeric	Required	Assigned to vendor at
			registration
masterToken	String; alpha-numeric	Required	Token obtained via
		/	Authenticate API; used in all
			subsequent API calls
userId	Numeric	Required	userId of the authenticated
			user obtained via
			Authenticate API
eventDateTime	Datetime	Required	"yyyy-mm-ddThh:mm:ss"
facilityId	Numeric	Required	
noticeText	String	Required	Text must match that
			returned from
			TermsAndConditionAdminGet

#### Table 15 TermsAndConditionsAccept response body

N/A		



# Sample Request Body

{

"privateKey": "ABCDEF0123456789abcdef"
"masterToken": "EO7MkxpIAL/ZtJ6nSeTS8MpckFTPSnyw2DBHaBIx5cFu3EW/CNzwjA",
"userId": 674861
"facilityId": 8921,

"noticeText": "Under the Health Insurance Portability and Accountability Act of 1996 (HIPAA),\r\nHealogics, Inc. and its subsidiaries (Healogics, Inc.) are \"Business Associates\" of each\r\nHospital to which they provide wound care management services and, as such, are\r\nstatutorily and contractually obligated and liable for maintaining the privacy and\r\nsecurity of the \"protected health information\" (known as \"PHI\") for all patients treated\r\nin the Hospital'\"s Wound Healing Program (Program). Under the HIPAA \"Privacy Rule\",\r\n\"Security Rule\" \"HITECH Rule\", and under each Hospital management agreement,\r\nHealogics, Inc. is also required to have comprehensive policies and procedures for the\r\nuse and disclosure of PHI and \"electronic PHI\" (e-PHI). These policies and procedures\r\ncan be located on the Healogics WebPortal within the Policy tab at\r\n<a href=\"https://www.dcswebportal.com\">https://www.dcswebportal.com</a><br /><br />\r\nAs a part of your activities for the Program of the Hospital, you may have access to and\r\nuse of PHI and/or e-PHI through the I-heal system. I-heal is a proprietary,\r\nweb-based disease management and wound care outcome tracking system that\r\ndocuments patient progress and treatment outcomes for patients receiving treatment\r\nthrough the Program.<br/>\r\nBy signing this form you acknowledge that: (1) your access to and use of I-heal is\r\nconditioned on your compliance with the below terms of use, (2) you agree to comply\r\nwith HIPAA in connection with your Program activities and (3) you have read and agree\r\nto the below terms of use regarding your access to and use of the Iheal system.\r\nIf you have any questions concerning our policies and procedures, please contact the\r\nHealogics, Inc. Compliance/Privacy Office at 904-446-3427, or e-mail us\r\nat: <a href=\"mailto:compliance@healogics.com\">compliance@healogics.com.</a><br/>br /><br />\r\n\r\nMy login ID is my own individual, personal code for gaining access into the I-heal system and I agree that I will not share my login ID and/or password with anyone or use another person?s ID and/or password.
\r\nNy login ID allows me to access only such information which I have been authorized to use to perform my job responsibilities and I agree that I will only use my computer access as appropriate in order to carry out my assigned duties.
\r\nWhen working in Iheal my login ID, electronic signature and initials, act as my personal signature, and are legally binding as my authorized personal signature.
\r\nThe information I access through I-heal is privileged, and/or confidential, and should be used only in the performance of job-related or patient-related activities. I agree that I will not divulge PHI or other confidential information unless requested to do so by my supervisor or other authorized personnel in the performance of my job duties or as permitted or required by applicable law and regulation and policies and procedures of the Hospital. violation of Healogics, Inc.?s policies and the Hospital?s policies to print PHI remotely using the I-heal system (e.g., at home, hotel, or any off-site printer) and I will not print such PHI remotely from the I-heal system.\r\nI will notify Healogics?s Compliance Officer if I believe a HIPAA breach has occurred



or if I believe someone using I-heal has violated any of these terms of use.\r\nI must log-off access to I-heal if I leave the computer terminal for any period of time. I understand that failure to log-off is a violation of these terms and Hospital policies. understand I am responsible for any information I input into the I-heal system.\r\nI agree that no medical record or other document or information generated or maintained for the Hospital in connection with billing or medical recordkeeping for Program patients may be removed from the treatment center without Hospital written approval.\r\n\r\n<br/>b>For Physicians Only:</b><br/>
\r\nIf I am a physician who treats patients through the Program, I understand that:</b>\r\n\r\nI am authorized to access only the information pertaining to patients I treat except as otherwise permitted by Hospital policies, HIPAA and/or a HIPAA compliant authorization or agreement permitting such access, as applicable.
| I > \r\nMy use of such information shall be only for the limited purpose for which Hospital policy, HIPAA and/or a HIPAA compliant authorization or agreement permits\r\nI am entitled to receive and use my patients? PHI (and to receive related records) in order for treatment, payment and health care operations activities of my practice, consistent with the Privacy Rule and Security Rule.
\r\n<br/>\r\n<br/>understand that my failure to comply with the foregoing in the future may result in\r\nthe discontinuation of my access to and use of I-heal and that any such breach\r\nmay also be the basis for civil or criminal prosecution under state and/or federal law\r\nand that, if I am an employee or contractor of the Hospital or Healogics, Inc., such\r\nrelationship may subject me to disciplinary action including and up to possible\r\ntermination.</b>\r\n"

```
Sample Response Body

{
    "errorCode": 0,
    "errorMessage": "The request completed successfully",
    "errors": null,
    "warnings": null,
    "requestId": "a5eceb1e-6ddd-44a2-8c64-b4124ca2d686"
```

**TermsAndConditionsAdminGet** – returns *Terms And Conditions* text for the given facilityId. Text is shown to the user and must be accepted using *TermsAndConditionsAccept* prior to access to any other calls.

#### **HTTP POST**

}

}

URL: <a href="https://ihealintegrationapi.healogics.com/configservice/api/v1/TermsAndConditionsAdminGet">https://ihealintegrationapi.healogics.com/configservice/api/v1/TermsAndConditionsAdminGet</a> HEADER:

Content-Type application/json

```
nethealth.com | The Art of the Right Fit® 40 24th Street, 1st Floor | Pittsburgh, PA 1522 | 800 411 6281
```



#### Table 16 TermsAndConditionsAdminGet request body

privateKey	String; alpha-numeric	Required	Assigned to vendor at
			registration
eventDateTime	Datetime	Optional	"yyyy-mm-
			ddThh:mm:ss"
facilityId	Numeric	Required	

#### Table 17 TermsAndConditionsAdminGet response body

noticeText	String	Required	Must be provided w/
			TermsAndConditionAccept
			API call

# Sample Request Body

"noticeText": "Under the Health Insurance Portability and Accountability Act of 1996 (HIPAA),\r\nHealogics, Inc. and its subsidiaries (Healogics, Inc.) are \"Business Associates\" of each\r\nHospital to which they provide wound care management services and, as such, are\r\nstatutorily and contractually obligated and liable for maintaining the privacy and\r\nsecurity of the \"protected health information\" (known as \"PHI\") for all patients treated\r\nin the Hospital'\"s Wound Healing Program (Program). Under the HIPAA \"Privacy Rule\",\r\n\"Security Rule\" \"HITECH Rule\", and under each Hospital management agreement,\r\nHealogics, Inc. is also required to have comprehensive policies and procedures for the\r\nuse and disclosure of PHI and \"electronic PHI\" (e-PHI). These policies and procedures\r\ncan be located on the Healogics WebPortal within the Policy tab at\r\n<a href=\"https://www.dcswebportal.com\">https://www.dcswebportal.com</a><br /><br />\r\nAs a part of your activities for the Program of the Hospital, you may have access to and\r\nuse of PHI and/or e-PHI through the I-heal system. I-heal is a proprietary,\r\nweb-based disease management and wound care outcome tracking system that\r\ndocuments patient progress and treatment outcomes for patients receiving treatment\r\nthrough the Program.<br /><br />\r\nBy signing this form you acknowledge that: (1) your access to and use of I-heal is\r\nconditioned on your compliance with the below terms of use, (2) you agree to comply\r\nwith HIPAA in connection with your Program activities and (3) you have read and agree\r\nto the below terms of use regarding your access to and use of the Iheal system.\r\nIf you have any questions concerning our policies and procedures, please contact the\r\nHealogics, Inc. Compliance/Privacy Office at 904-446-3427, or e-mail us\r\nat: <a href=\"mailto:compliance@healogics.com\">compliance@healogics.com.</a><br/>>br />\r\n\r\nMy login ID is my own individual, personal code for gaining access into the I-heal system and I agree that I will not share my login ID and/or password with anyone or use another



access only such information which I have been authorized to use to perform my job responsibilities and I agree that I will only use my computer access as appropriate in order to carry out my assigned duties.\r\nWhen working in I-heal my login ID, electronic signature and initials, act as my personal signature, and are legally binding as my authorized personal signature. information I access through I-heal is privileged, and/or confidential, and should be used only in the performance of job-related or patient-related activities. I agree that I will not divulge PHI or other confidential information unless requested to do so by my supervisor or other authorized personnel in the performance of my job duties or as permitted or required by applicable law and regulation and policies and procedures of the Hospital.
Ii>\r\n
Ii>It is a violation of Healogics, Inc.?s policies and the Hospital?s policies to print PHI remotely using the I-heal system (e.g., at home, hotel, or any off-site printer) and I will not print such PHI remotely from the I-heal system.
\r\nI will notify Healogics?s Compliance Officer if I believe a HIPAA breach has occurred or if I believe someone using I-heal has violated any of these terms of use.
Invaliated any of the use. terminal for any period of time. I understand that failure to log-off is a violation of these terms and Hospital policies.
\r\nI understand I am responsible for any information I input into the I-heal system.\r\nli>\r agree that no medical record or other document or information generated or maintained for the Hospital in connection with billing or medical recordkeeping for Program patients may be removed from the treatment center without Hospital written approval. $\langle li \rangle r = may be removed from the treatment center without Hospital written approval.<math>\langle li \rangle r = may be removed from the treatment center without Hospital written approval.$ />\r\n<b>For Physicians Only:</b><br />\r\nIf I am a physician who treats patients through the Program, I understand that:</b>\r\n<0l>\r\nI am authorized to access only the information pertaining to patients I treat except as otherwise permitted by Hospital policies, HIPAA and/or a HIPAA compliant authorization or agreement permitting such access, as applicable. information shall be only for the limited purpose for which Hospital policy, HIPAA and/or a HIPAA compliant authorization or agreement permits
/li>\r\nam entitled to receive and use my patients? PHI (and to receive related records) in order for treatment, payment and health care operations activities of my practice, consistent with the Privacy Rule and Security Rule. />\r\n<b>I understand that my failure to comply with the foregoing in the future may result in\r\nthe discontinuation of my access to and use of I-heal and that any such breach\r\nmay also be the basis for civil or criminal prosecution under state and/or federal law\r\nand that, if I am an employee or contractor of the Hospital or Healogics, Inc., such\r\nrelationship may subject me to disciplinary action including and up to possible\r\ntermination.</b>\r\n",

```
"errorCode": 0,
    "errorMessage": "The request completed successfully",
    "errors": null,
    "warnings": null,
    "requestId": "a5eceb1e-6ddd-44a2-8c64-b4124ca2d686"
}
```

person?s ID and/or password.
\r\nNy login ID allows me to

**UserFacilityListGet** – returns a list of facilities and location for which the authenticated user is authorized to access.

```
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```



#### **HTTP POST**

URL: <a href="https://ihealintegrationapi.healogics.com/authservice/api/v2/UserFacilityListGet">https://ihealintegrationapi.healogics.com/authservice/api/v2/UserFacilityListGet</a>

**HEADER:** 

Content-Type application/json

#### Table 18 UserFacilityListGet request body

privateKey	String; alpha-numeric	Required	Assigned to vendor at registration
masterToken	String; alpha-numeric	Required	Token obtained via Authenticate API; used in all subsequent API calls
userId	Numeric	Required	userId of the authenticated user obtained via Authenticate API
eventDateTime	Datetime	Optional	"yyyy-mm- ddThh:mm:ss"
externalSystems	Alpha-numeric	Optional	Name of external system; only returns facilities enabled for system.

#### Table 19 UserFacilityListGet response body

facilities	Array Object	Required	May be empty array;
			defined below Table 20
			facility object

## Table 20 facility object

facilityId	Numeric	Required	Identifier of the facility; used in subsequent calls.
facilityBluebookId	Alpha-numeric	Required	Comor
facilityName	Alpha-numeric	Required	
address1	String	Optional	
address2	String	Optional	
city	String	Optional	
state	String	Optional	
zip	String	Optional	7
phone	String	Optional	
fax	String	Optional	
email	String	Optional	
configuration	alpha	Required	EMR, OT, or POS
activeFacility	Boolean	Required	'true' or 'false'
timeZone	Alpha-numeric	Required	Tz w/ respect ot UTC; UTC-5



externalSystems	Object	Required	defined below Error! Reference source not found.
settings	Array of code:value pairs of type Boolean indicating facility setting status	Required	Supports location & serviceLine settings
locations	Array of CodeValue Objects	Required	Empty array if no locations for facility; see Table 21 codeValue object
serviceLines	Array of CodeValue Objects	Required	Empty array if no service lines for facility; see Table 21 codeValue object

#### Table 21 codeValue object

code	numeric	Required	i-heal internal identifier
value	String	Required	i-heal text value
sort	Numeric	Optional	Presentation sort order

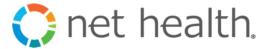
# Sample Request Body

```
{
       "privateKey": "ABCDEF0123456789abcdef"
       "masterToken": "EO7MkxpIAL/ZtJ6nSeTS8MpckFTPSnyw2DBHaBIx5cFu3EW/CNzwjA",
       "userId": 674861
}
Sample Response Body
  "Facilities": [
      "facilityId": 8932,
      "facilityBluebookId": "TS101",
      "facilityName": "EMR Training Facility 2",
      "configuration": "EMR",
      "timeZone": "UTC-5",
      "externalSystems": [
          "name": "CCDA",
          "isEnabled": true
      ],
```

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```
"settings": {
       "location": true,
       "serviceLine": true
     },
     "locations": [
         "code": 106,
         "value": "Location AH2",
         "sort": null
       },
         "code": 107,
         "value": "Location AH3",
         "sort": null
       }
    ],
     "serviceLines": [
         "code": 2,
         "value": "Inpatient",
         "sort": null
       },
         "code": 1,
         "value": "Outpatient",
         "sort": null
    ]
  }
]
```



## **UserPasswordSet** – updates the user's password.

Requires a prior call to *Authenticate* as the userId and master token must be provided. This service may be called at any time; it must be called before other calls are made if the user's profile indicates *PasswordChange* required.

The new password must meet existing password requirements define by the specified facility.

After a successful password change, the user must accept i-heal's Terms And Conditions using *TermsAndConditionAccept*.

**HTTP POST** 

URL: https://ihealintegrationapi.healogics.com/authservice/api/v2/UserPasswordSet

**HEADER:** 

Content-Type application/json

#### Table 22 UserPasswordSet request body

privateKey	String; alpha-numeric	Required	Assigned to vendor at registration
masterToken	String; alpha-numeric	Required	Token obtained via Authenticate API; used in all subsequent API calls
userId	Numeric	Required	userId of the authenticated user obtained via Authenticate API
eventDateTime	Datetime	Required	"yyyy-mm- ddThh:mm:ss"
facilityId	Numeric	Required	follows password requirements for this facility
oldPassword	String	Required	user's current password
newPassword	String	Required	user's new password
newPasswordConfirm	String	Required	user's new password

#### Table 23 UserPasswordSet response body

N/A	N/A			
-----	-----	--	--	--

# Sample Request Body

{

"privateKey": "ABCDEF0123456789abcdef"

"masterToken": "EO7MkxpIAL/ZtJ6nSeTS8MpckFTPSnyw2DBHaBIx5cFu3EW/CNzwjA",

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```
"userId": 674861,
    "facilityId": 8921,
    "oldPassword": "daisiyduck",
    "newPassword": "goofy",
    "newPasswordConfirm": "goofy",
}

Sample Response Body
{
    "errorCode": 0,
    "errorMessage": "The request completed successfully",
    "errors": null,
    "warnings": null,
    "requestId": "a5eceb1e-6ddd-44a2-8c64-b4124ca2d686"
}
```

**UserPasswordResetGet** – Retrieves the user's selected security question required for the user to reset their password when forgotten. These values are provided with an *UserPasswordResetSet* request to reset the user's password.

The API fails if password recovery has not been setup for the user. The user's profile in i-heal must contain the user's email and security question/answer.

#### **HTTP POST**

URL: https://ihealintegrationapi.healogics.com/authservice/api/v2/UserPasswordResetGet

**HEADER:** 

Content-Type application/json

#### Table 24 UserPasswordResetGet request body

privateKey	String; alpha-numeric	Required	Assigned to vendor at registration
userName	String; alpha-numeric	Required	

#### Table 25 UserPasswordResetGet response body

userName	String	Required	
identityQuestion	String;	Required	Provided to
			UserPasswordResetSet
			along with the answer
			from the user.

# Sample Request Body

```
{
    "userName" : "minniemouse",

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```



```
"privateKey": "ABCDEF0123456789abcdef"

Sample Response Body

"userName": "minniemouse",

"identityQuestion": "What is your first pet's name?",

"errorCode": 0,

"errorMessage": "Request was completed successfully",

"errors": null,

"warnings": null,

"requestId": "3475a105-c35d-46d1-b3a4-6e5f12965cf5"

}
```

**UserPasswordResetSet** – Resets the user's password. Requires the username, identity question from *UserPasswordResetGet*, and the matching answer to the identity question. An email is set to the user with the new password.

The API fails if password recovery has not been setup for the user. The user's profile must contain the user's email and security question/answer. Fails if the identity question and identity answer do not match for the designated username.

If Successful, a new password is sent to the user's recorded email address. The user must authenticate with their existing username and the new password, change their password using *UserPasswordSet*, and accept *Terms And Conditions* prior to continued API calls which require valid master token.

#### **HTTP POST**

URL: <a href="https://ihealintegrationapi.healogics.com/authservice/api/v2/UserPasswordResetSet">https://ihealintegrationapi.healogics.com/authservice/api/v2/UserPasswordResetSet</a>

**HEADER:** 

Content-Type application/json

Table 26 UserPasswordResetSet request body

privateKey	String; alpha-numeric	Required	Assigned to vendor at registration
userName	String; alpha-numeric	Required	
identityQuestion	String	Required	Retreived using UserPasswordResetGet along with the answer from the user.
identityAnswer	String	Required	



N/A

```
Sample Request Body
```

```
{
    "userName": "minniemouse",
    "privateKey": "ABCDEF0123456789abcdef"
    "identityQuestion": "What is your first pet's name?",
    "identityAnswer": "goofy"
}

Sample Response Body
{
    "errorCode": 0,
    "errorMessage": "The request completed successfully",
    "errors": null,
    "warnings": null,
    "requestId": "a5eceb1e-6ddd-44a2-8c64-b4124ca2d686"
}
```

**UserProfileGet** – returns user's demographic information for the authenticated user.

**HTTP POST** 

URL: <a href="https://ihealintegrationapi.healogics.com/authservice/api/v2/UserProfileGet">https://ihealintegrationapi.healogics.com/authservice/api/v2/UserProfileGet</a>

**HEADER:** 

Content-Type application/json

Table 28 UserProfileGet request body

privateKey	String; alpha-numeric	Required	Assigned to vendor at registration
masterToken	String; alpha-numeric	Required	Token obtained via Authenticate API; used in all subsequent API calls
userId	Numeric	Required	userId of the authenticated user obtained via Authenticate API
eventDateTime	Datetime	Option	"yyyy-mm- ddThh:mm:ss"

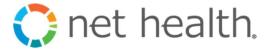


Table 29 UserProfileGet response body

user	Object	Required	defined below Table 30
			User object

## Table 30 User object

Table 30 User object			
userId	Numeric	Required	userId used in all
			subsequent API calls
username	alpha-numeric	Required	
firstName	alpha-numeric	Optional	
lastName	alpha-numeric	Optional	
middleName	Alpha-numeric	Optional	
address1	alpha-numeric	Optional	
address2	alpha-numeric	Optional	
city	alpha-numeric	Optional	
state	alpha-numeric	Optional	2 digit state code
zip	numeric string	Optional	5 or 10 digit zip code
phone	numeric string	Optional	10 digit phone
email	alpha-numeric	Optional	
positionCode	Numeric	Optional	values from 0
			SelectionAdminGet –
			returns a list of valid
			code table values for
			the given selection list
			name and facilityId;
			returns list of valid
			code & value. Position
			selection in
			SelectionAdminGet –
			returns a list of valid
			code table values for
			the given selection list
			name and facilityId;
			returns list of valid
			code & value. Error!
			Reference source not
			found.
positionDescription	String	Conditionally Required	
employedByCode	Numeric	Optional	values from 0
	1		SelectionAdminGet –
			returns a list of valid
			code table values for
			the given selection list
			name and facilityId;
			returns list of valid
			code &
			value. <i>EmployedBy</i>
			selection in

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			SelectionAdminGet – returns a list of valid code table values for the given selection list name and facilityId; returns list of valid
			code & value.Error! Reference source not found.
employedByDescription	String	Conditionally Required	
roles	Array of string; alpha- numeric	Required	
termsAndCondition	Boolean	Conditionally Required	Indicates the user must agree to TAC; "true" – user must agree to Tac; otherwise, no action needed. If "true" all further API calls will fail.
passwordChange	Boolean	Conditionally Required	Indicates the user must change password; "true" –user must
			change pw; otherwise, no action needed. If "true" further API calls may fail.

# Sample Request Body

```
{
          "privateKey" : "ABCDEF0123456789abcdef"
          "masterToken": "EO7MkxpIAL/ZtJ6nSeTS8MpckFTPSnyw2DBHaBIx5cFu3EW/CNzwjA",
          "userId": 674861,
```



# Sample Response Body

```
"user": {
                "userId": 674861,
                "userName": "minniemouse",
                "firstName": "Minnie",
                "lastName": "Mouse",
                "address1": null,
                "address2": null,
                "city": null,
                "state": null,
                "zip": null,
                "phone": "",
                "email": "mmouse@disney.com",
                "roles": [
                      "FacilityUser",
                      "ReportUser",
                    ],
                "lastLogonTime": "2016-11-14T16:18:31.93",
                "termsAndConditions": false,
                "passwordChange": false,
                "positionCode": 13,
                "positionDescription": "Other",
                "employedByCode": 7,
                "employedByDescription": "Healogics"
        },
          "errorCode": 0,
          "errorMessage": "Request was completed successfully",
          "errors": [],
          "warnings": [],
          "requestId": "253ca6a3-f7c2-45e4-96f1-1318d7f5d46c"
}
```

#### **Patient Services Overview**

The patient services API may be used to perform searches for patients. Once identified, the demographic information may be loaded for a specific patient. A user must be authenticated prior to subsequent calls to other i-heal API to ensure authorized access and log user activity.



- The PatientSearch API may be used obtain a list of patients
  matching supplied criteria including facility, location, service line, patient status, first name, last
  name, medical record number or date of birth.
- The PatientLoad API is used to obtain all demographic information regarding a specific patient identified from the PatientShearch API.

#### **Patient Services API**

**PatientSearch** – returns a list of patients for the given facility, location, service line, patient status (active/inactive), first name, last name, medical record number, and date of birth.

Supports lazy loading in order of the "matchField" input parameter; that is, each call will load a "Page" of results defined by "pageIndex" and "maxPageSize". Call the API multiple times as a user "pages" through a list of patients.

Only patients in the designated facility which the authenticated user has access will be returned. The API may further filter the results by location, service line, and patient active status if desired. Finally, the API searches for patients based on the "matchPhrase" provided for first name, last name, medical record number, or date of birth.

#### HTTP POST

URL: https://ihealintegrationapi.healogics.com/patientservice/api/v1/PatientSearch

**HEADER:** 

Content-Type application/json

Table 31 PatientSearch request body

privateKey	String; alpha-numeric	Required	Assigned to vendor at registration
masterToken	String; alpha-numeric	Required	Token obtained via Authenticate API; used in all subsequent API calls
userld	Numeric	Required	userId of the authenticated user obtained via Authenticate API
eventDateTime	Datetime	Optional	"yyyy-mm- ddThh:mm:ss"
facilityId	Numeric	Required	

net	hea	lth.
	1 1 0 01	

locationId	Numeric	Optional	if not provided,
			matches all locations
serviceLineId	Numeric	Optional	If not provided,
			Matches all service
			lines
activePatientsOnly	Boolean	Optional	"false" – all patients,
			"true" – active patients
			only; if not provided,
			provides active
			patients only
matchField	Numeric	Required	0 – first name; 1 – last
			name; 2 – mrn; 3 –
			date of birth
matchPhrase	String; alpha-numeric	Required	Match all if empty
pageIndex	Numeric	Required	Index of desired page
			to return; 0 = first page
maxPageSize	Numeric	Required	Maximum results to
			return per request;
			must be >= 1

# Table 32 PatientSearch response body

resultCount	Numeric	Required	Total number of patients matching search.
pageIndex	Numeric	Required	Index of returned page
maxPageSize	Numeric	Required	Maximum results to return per request
patients	Array of Object	Required	May be empty array; defined below Table 33 patientMini object

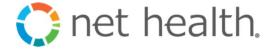
# Table 33 patientMini object

rabic 35 patientimin objec	•		
patientId	numeric	Required	
patientFirstName	Alpha-numeric	Optional	
patientLastName	Alpha-numeric	Optional	
patientNumber	Alpha-numeric	Optional	
patientDOB	Date	Optional	
patientSex	String	Optional	M – Male, F - Female
weeksInTreatment	Numeric	Optional	
admissionDate	Date only	Optional	Date only field; patient
			admission date
preregistrationDate	Date only	Optional	Date only field; patient
			registration date
locationId	Numeric	Optional	
locationDescription	String	Conditionally Required	
serviceLineId	numeric	Optional	
serviceLineDescription	String	Conditionally Required	

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inpatient	Object	Optional	Present if serviceLineId
			= 2 (inpatient); else
			null;



# Sample Request Body

```
"privateKey": "ABCDEF0123456789abcdef"
       "masterToken": "EO7MkxpIAL/ZtJ6nSeTS8MpckFTPSnyw2DBHaBlx5cFu3EW/CNzwjA",
       "userId": 674861
       "facilityId": 8921,
        "eventDateTime": "2018-03-20T22:06:00",
       "matchField": 1,
       "matchPhrase": "b",
        "activePatientsOnly": 0,
       "pageIndex": 0,
        "maxPageSize": 20
}
Sample Response Body
  "patients": [
      "PatientId": 2453254,
      "PatientFirstName": "Bilbo",
      "PatientLastName": "Baggins",
      "PatientNumber": "23435",
      "PatientDOB": "1958-01-01T00:00:00",
      "PatientSex": "M",
      "WeeksInTreatment": 0,
      "AdmissionDate": "2017-09-14T00:00:00",
      "PreRegistrationDate": "2015-09-14T00:00:00",
      "LocationId": 1,
      "LocationDescription": "Outpatient",
      "ServiceLineId": 105,
      "ServiceLineDescription": "Location AH1"
    },
      "PatientId": 2876565,
      "PatientFirstName": "Frodo",
      "PatientLastName": "Baggins",
      "PatientNumber": "AH-100417",
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```



```
"PatientDOB": "1971-01-01T00:00:00",
    "PatientSex": "M",
    "WeeksInTreatment": 0,
    "AdmissionDate": "2017-10-04T00:00:00",
    "PreRegistrationDate": "2017-10-04T00:00:00",
    "LocationId": null,
    "LocationDescription": "",
    "ServiceLineId": null,
    "ServiceLineDescription": ""
  },
    "PatientId": 2583653,
    "PatientFirstName": "Betty",
    "PatientLastName": "Boop",
    "PatientNumber": "SASA87S",
    "PatientDOB": "1942-12-08T00:00:00",
    "PatientSex": "F",
    "WeeksInTreatment": 0,
    "AdmissionDate": "2017-12-14T00:00:00",
    "PreRegistrationDate": "2017-12-14T00:00:00",
    "LocationId": null,
    "LocationDescription": "",
    "ServiceLineId": null,
    "ServiceLineDescription": ""
 }
],
"recordCount": 3,
"pageIndex": 0,
"maxPageSize": 20,
"errorCode": 0,
"errorMessage": "The operation completed successfully",
"errors": [],
"warnings": [],
"requestId": "9597aa71-10c8-4948-b646-73303ab8cc35"
```

PatientLoad – returns all patient demographic information for a given patientId

```
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```



#### **HTTP POST**

URL: <a href="https://ihealintegrationapi.healogics.com/patientservice/api/v1/PatientLoad">https://ihealintegrationapi.healogics.com/patientservice/api/v1/PatientLoad</a>

**HEADER:** 

Content-Type application/json

#### Table 34 PatientLoad request body

privateKey	String; alpha-numeric	Required	Assigned to vendor at registration
masterToken	String; alpha-numeric	Required	Token obtained via Authenticate API; used in all subsequent API calls
userId	Numeric	Required	userId of the authenticated user obtained via Authenticate API
eventDateTime	Datetime	Optional	"yyyy-mm- ddThh:mm:ss"
facilityId	Numeric	Required	
patientId	Numeric	Required	From PatientSearch API

## Table 35 PatientLoad response body

patient	Object	Required	defined below Table 36
			patientFull object

#### Table 36 patientFull object

patientId	nume	Requir	
	ric	ed	
patientFirstNam	string	Option	
e		al	
patientLastName	string	Option	
		al	
patientMiddleNa	String	Option	
me		al	
patientTitle	String	Option	
		al	
patientNumber	string	Option	
		al	
patientSSN	String	Option	
		al	
address1	string	Option	
		al	
address2	String	Option	
		al	
city	String	Option	
		al	



ai Option al Opt					111	ct ricai
country string Option al O	state	string	Option			
ai Option al Option of Code Value Object t			al			
country string Option al O	zip	string	Option			
al ophone1 string Option al string Option al string Option al string Option al opatientDOB Date Option al opatientSex String Option al opatientSex String Option al opatientRace Object Code Value Objec t t Option al option SelectionAdminGet - returns a list of valid code & value PatientRace Selection list name and facilityId; returns list of valid code & value. PatientRace selection list name and facilityId; returns list of valid code & value. PatientRace selection list name and facility option option al option opti						
String Option al Option Option Option al Option al Option Array Option Optio	country	string	Option			
String Option al String Option al Option Option al Option Array Option al Option Option Option Array Option			-			
String Option al String Option of Code Value Objec t T Selection Ist name and facility di, returns list of valid code table values for the given selection ist name and facility di, returns list of valid code & value. PatientRace Selection in Table 42 code Value object Value String R+ Sort Numeric Option al Selection AdminGet - returns a list of valid code & value. Objec Table 43 Selection AdminGet selection Name Selection Ist name and facility di, returns list of valid code & value. Objec Table 43 Selection AdminGet - returns a list of valid code & value. Objec Table 42 code Value object Selection Ist name and facility di, returns list of valid code & value. Objec Table 43 Selection In String Selection Ist name and facility di, returns list of valid code & value. Object Selection Ist name and facility di, returns list of valid code & value. Object Selection Ist name and facility di, returns list of valid code & value. Object Selection Ist name and facility di, returns list of valid code & value. Object Selection Ist name and facility di, returns list of valid code & value. Object Selection Ist name and facility di, returns list of valid code & value. Object Selection Ist name and facility di, returns list of valid code & value. Object Selection Ist name and facility di, returns list of valid code & value. Object Selection Ist name and facility di, returns list of valid code & value. Object Selection Ist name and facility di, returns list of valid code & value. Object Selection Ist name and facility di, returns list of valid code & value. Object Selection Ist name and facility di, returns list of valid code & value. Object Selection Ist name and facility di, returns list of valid code & value. Object Selection Ist name and facility di, returns list of valid code & value. Object Selection Ist name and facility di, returns list of valid code & value. Object Selection Ist name and	phone1	string	1 -			
Email String Option al Option of Code Value Object t To Option al Option al Option Array Option of Code Value Object t To Option Option al Option Objec t To Option Ob						
String Date   Date   Option al	phone2	String	1 -			
DatientDOB Date DatientDOB Date DatientDOB Date DatientDOB Date DatientDOB Date Date Date Date Date Date Date Date	E9	CI :				
DatientDOB Date   Option al   DatientSex   String   Option al   DatientRace   Array of   Code   Value   Objec t   Table 43 SelectionAdminGet - returns a list of valid code a value. PatientRace   DatientEthnicityC   Option al   DatientEthnicityC   Option	Email	String	1 -			
DatientSex  String Option al  Option of Code Value Objec t  Table 43 SelectionAdminGet – returns a list of valid code a value. PatientEthnicity Code all Option al  Option of Code Value Objec t  Table 43 SelectionAdminGet – returns a list of valid code avoide. PatientRace selection in Table 42 code Value object  Option al  Option value String R+ Sort Numeric O  Table 43 SelectionAdminGet selectionNameSelectionAdminGet – returns a list of valid code avoide. PatientRace selection in Table 42 code Value object  Option al  Option ric Value String R+ Sort Numeric O  Table 43 SelectionAdminGet – returns a list of valid code avoide table values for the given selection list name and facilityld; returns list of valid code avoide. PatientEthnicity selection in	maticat DOD	Doto				
Option al Option al Option al Option al Option of Code Value Object t	patientDOB	Date	1 -			
DatientRace  Array of Code Value Objec t  Table 43 SelectionAdminGet - returns a list of valid code table value. String all sort be given selection list name and facilityld; returns list of valid code & value. PatientRace selection in Table 42 codeValue object  Ode  Ode  Ode  Odie	nationtCov	String	***	'NA' 'E'		
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of Code Value Object t  al SelectionAdminGet – returns a list of valid code table values for the given selection in Table 42 codeValue object  code   numeric   R+   value   String   R+   sort   Numeric   O   Table 43 SelectionAdminGet selectionNameSelection list name and facilityld; returns list of valid code & value. PatientRace selection in Table 42 codeValue object  obtainetEthnicityC on al   values from SelectionAdminGet – returns a list of valid code & value.  obtainetEthnicityC on al   values from Oselection in SelectionAdminGet – returns a list of valid code & value. PatientEthnicity selection in SelectionAdminGet – returns a list of valid code & value value value value sor the given selection in SelectionAdminGet – returns a list of valid code & value valu	natientRace	Δrray				
Code Value Objec t    Code   Value   Objec   Code	patientitace	1	1 -			
Value Objec t  Value Objec t  Code  numeric R+  value String R+  sort Numeric O Table 43 SelectionAdminGet selectionNameSelectionAdminGet - returns a list of valid code table values for the given selection list name and facilityId; returns list of valid code & value.  Option ric  Option al  Option al  Value String R+  value String Numeric Option al  Value String Numeric Note  Value String Numeric Note  Value String Numeric Note  Value String Numeric					-	-
Objec t  Code   numeric   R+						e & value.Fatienthace
value String R+ sort Numeric O Table 43 SelectionAdminGet selectionNameSelectionAdminGet - returns a list of valid code table values for the given selection list name and facilityId; returns list of valid code & value.  Option ric al values from SelectionAdminGet - returns a list of valid code & value.  Option ric al values from Selection Ist name and facilityId; returns list of valid code & value. PatientEthnicity selection in SelectionAdminGet - returns a list of valid code & value. PatientEthnicity selection in Selection Ist name and facilityId; returns list of valid code & value. PatientEthnicity selection in SelectionAdminGet - returns a list of valid code & value. Table 42 codeValue object    Code						R+
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- returns a list of valid code table values for the given selection list name and facilityld; returns list of valid code & value.  Option ric al values from 0 SelectionAdminGet – returns a list of valid code table values for the given selection list name and facilityld; returns list of valid code & value. PatientEthnicity selection in SelectionAdminGet – returns a list of valid code table value. PatientEthnicity selection in SelectionAdminGet – returns a list of valid code & value. PatientEthnicity selection in SelectionAdminGet – returns a list of valid code table values for the given selection list name and facilityld; returns list of valid code table value. PatientEthnicity selection list name and facilityld; returns list of valid code & value. Table 42 code Value object  Code numeric R+  value String R+  sort Numeric O  Table 43 SelectionAdminGet selectionName  Description String Conditionally Required to onally Required to onally Required al values from SelectionAdminGet – returns a list of valid code table values for the given selection list name and facilityld; returns list of valid code & values for the given selection list name and facilityld; returns list of valid code & values for the given selection list name and facilityld; returns list of valid code & values for the given selection list name and facilityld; returns list of valid code & values for the given selection list name and facilityld; returns list of valid code & values for the given selection list name and facilityld; returns list of valid code & values for the given selection list name and facilityld; returns list of valid code & values for the given selection list name and facilityld; returns list of valid code & values for the given selection list name and facilityld; returns list of valid code & values for the given selection list name and facilityld; returns list of valid code & values for the given selection list name and facilityld; returns list of valid code & values for the given selection list name and facilityld; returns list of						electionAdminGet
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code table values for the given selection list name and facilityId; returns list of valid code & value. Table 42 codeValue object    Code	ode	ric	al	-		
valid code & value. Table 42 code Value object    code						
code numeric R+ value String R+ sort Numeric O Table 43 SelectionAdminGet selectionName  Description String Conditionally Required  oreferredLangua geCode String Option al Values from SelectionAdminGet – returns a list of valid code table values for the given selection list name and facilityId; returns list of valid code &						acilityld; returns list of
value String R+ sort Numeric O Table 43 SelectionAdminGet selectionName  Description String Conditionally Required  oreferredLangua geCode String Option al Values from SelectionAdminGet – returns a list of valid code table values for the given selection list name and facilityId; returns list of valid code &						D.
sort Numeric O Table 43 SelectionAdminGet selectionName  Description  String Option al  Description  String Conditionally Required  Description  String Option al  Description  String Option al  Description  String Conditionally Required  Description  String Option al  String Option al  String Option al  String Option al						
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Description  String Option al  Conditionally Required  OreferredLangua geCode  String Option al  Option al  Option al  Values from SelectionAdminGet – returns a list of valid code table values for the given selection list name and facilityld; returns list of valid code &						U
DCCCode  al  DatientEthnicity Description  String Onally Requir ed  DreferredLangua geCode  al  Dotion al  Values from SelectionAdminGet – returns a list of valid code table values for the given selection list name and facilityld; returns list of valid code &	natientEthnicityC	String	Ontion	Table 43 SelectionAt	animoct selectionivalile	
Description  String Conditionally Required  oreferredLangua Secode  Option al values from SelectionAdminGet – returns a list of valid code table values for the given selection list name and facilityld; returns list of valid code &	l ·	Julia	1 -			
Oescription  onally Requir ed  oreferredLangua geCode  oreferredLangua al  oreferredLangua string Option al  values from SelectionAdminGet – returns a list of valid code table values for the given selection list name and facilityld; returns list of valid code &		String				
Requir ed  oreferredLangua string Option al values from SelectionAdminGet – returns a list of valid code table values for the given selection list name and facilityId; returns list of valid code &	'	5'8				
ed  oreferredLangua string Option al values from SelectionAdminGet – returns a list of valid code table values for the given selection list name and facilityId; returns list of valid code &			1			
oreferredLangua string Option al values from SelectionAdminGet – returns a list of valid code table values for the given selection list name and facilityId; returns list of valid code &						
geCode al the given selection list name and facilityld; returns list of valid code &	preferredLangua	string	t	values from Salaction Ada	ninGet - returns a list of valid a	ode table values for
	geCode		-			
value.PreferredLanguage selection in <b>SelectionAdminGet</b> – returns a list of						



			valid code table values	for the given selection list nam	ne and facilityld: returns	
			list of valid code & value. Table 42 codeValue object			
			code	numeric	R+	
			value	String	R+	
			sort	Numeric	0	
				AdminGet selectionName	<u> </u>	
preferredLangua	String	Option				
geRFCCode		al				
preferredLangua	Strng	Conditi				
geDescription		onally				
		Requir				
		ed				
careCenterCode	Nume	Option				
	ric	al				
careCenterDescri	String	Conditi				
ption		onally				
		Requir				
		ed				
homeHealthCod	Nume	Option				
е	ric	al				
homeHealthDesc	String	Conditi				
ription		onally				
		Requir				
		ed				
howHeardCode	Nume	Option				
le de la companya de	ric	al				
howHeardDescri	String	Conditi				
ption		onally				
		Requir ed				
howHeardDetail	Nume					
Code	ric	Option al				
howHeardDetail	String	Conditi				
Description	Julia	onally	//			
Description		Requir	/			
		ed				
providerWoundC	Nume	Option	Id of wound care p	provider		
areld	ric	al	or mound care p			
providerReferrin	Nume	Option	Id of referring pro	vider		
gld	ric	al				
providerReferred	Nume	Option	Id of referred prov	rider		
Id	ric	al	J 3 3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5			
providerPrimaryl	Nume	Option	Id of primary care	provider		
d	ric	al				
providerOtherId	Nume	Option	Id of other provide	er		
•	ric	al				



clinicianCaseMan	Numan	Ontion	ld of case manager		
	Nume	Option	Id of case manager		
agerId	ric	al	May be pulledefined in Table 20 Derson object		
emergencyConta	Objec	Option	May be null; defined in Table 38 Person object		
ct	t	al	NAS. Is a seedle define	dia Table 20 Danas a abiast	
guarantor	Objec	Option	iviay be null; define	ed in Table 38 Person object	
	t	al			
insurance	Array	Option	May be empty arra	y; defined Table 39 Patient	Insurance object
	of	al			
	Objec				
	t				
weeksInTreatme	Nume	Option	Calculated from ad	mission date.	
nt	ric	al			
admissionDate	Date	Option	Date only field		
	only	al			
preregistrationD	Date	Requir	Date only field; pat	ient registration date	
ate	only	ed			
dischargeDate	Date	Option	null = active patien	t; present = discharged pati	ent
	only	al			
dischargeStatusC	Nume	Conditi	Required if dischargeDo	ate present; values from <b>Selection</b> .	AdminGet – returns
ode	ric	onally		e values for the given selection list	
		Requir		e & value. Discharge Status selectio	
		ed		eturns a list of valid code table val	
				facilityId; returns list of valid code	& value. I able 42
			codeValue object		
			code	numeric	R+
			value	String	R+
			sort	Numeric	0
			Table 43 Selection	AdminGet selectionName	
dischargeStatusD	String	Conditi			
escription		onally			
		Requir	N		
		ed			
locationId	Nume	Option	values from <b>SelectionA</b>	<b>dminGet</b> – returns a list of valid co	ode table values for
	ric	al		name and facilityId; returns list of	
				re2 selection in <b>SelectionAdminGe</b>	
				for the given selection list name a	
				e.Table 42 codeValue object	
			code	numeric	R+
			value	String	R+
			sort	Numeric	0
			Table 43 Selection	AdminGet selectionName	
locationDescripti	String	Conditi			
on		onally			
		Requir			
		ed			



serviceLineId	nume ric	Option al	values from SelectionAdminGet – returns a list of valid code table values for the given selection list name and facilityld; returns list of valid code & value.ComponentOfCare selection in SelectionAdminGet – returns a list of valid code table values for the given selection list name and facilityld; returns list of valid code & value.Table 42 codeValue object		
			code	numeric	R+
			value	String	R+
			sort	Numeric	0
			Table 43 Selectio	nAdminGet selectionName	
serviceLineDescri	String	Conditi			
ption		onally			
		Requir			
		ed			
notes	String	Option			
		al			

## Table 37 Patient race object

raceCode	numeric	R+	
raceName	String	R+	
raceCDCCode	String	0	

## Table 38 Person object

raine de l'aracin d'aject			
firstName	string	0	
lastName	string	0	
middleName	string	0	
relationship	string	0	4
address1	string	0	
address2	string	0	
city	string	0	
state	string	0	2 digit state code
zip	string	0	5 or 10 digit zip code
country	string	0	
phone	string	0	10 digit phone
email	string	0	email

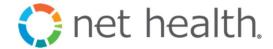
## Table 39 Patient Insurance object

insuranceld	Numeric	R+	1//	
insuranceName	String	R+	7	
Sequence	Numeric	R+		1-primary, 2-
				secondary, 3-tertiary
address1	String	0		
address2	String	0	1	
address3	String	0		
city	String	0		
state	String	0		

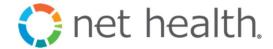
net health.

zip	String	0	
phone	String	0	
fax	String	0	
contactFirstName	String	0	
contactLastName	String	0	
contactPhone	String	0	
contactEmail	String	0	
insured	Object	0	May be null; defined
			Table 38 Person
			object
insuredDOB	Date	0	Date only
policyNumber	String	0	
groupNumber	String	0	
groupName	String	0	

```
Sample Request Body
{
       "privateKey": "ABCDEF0123456789abcdef"
       "masterToken": "EO7MkxpIAL/ZtJ6nSeTS8MpckFTPSnyw2DBHaBIx5cFu3EW/CNzwjA",
       "userId": 674861
       "facilityId": 8921,
       "patientId": 2583653
}
Sample Response Body
  "patient": {
    "PatientId": 2583653,
    "PatientFirstName": "Betty",
    "PatientLastName": "Boop",
    "patientTitle": null,
    "patientNumber": "SASA87S",
    "patientSSN": "",
    "address1": "202 Burlington Rd.",
    "address2": "",
    "city": "Bedford",
    "state": "MA",
    "zip": "01730",
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```



```
"country": "United States",
    "phone1": "7812713000",
    "phone2": "",
    "email": "",
    "PatientDOB": "1942-12-08T00:00:00",
    "patientSex": "F",
    "patientRace": [
        "RaceCode": 2,
        "RaceName": "American Indian / Alaskan Native",
        "RaceCDCCode": "1002-5"
      }
    ],
    "patientEthnicityCode": 12,
    "patientEthnicityCDCCode": "2186-5",
    "patientEthnicityDescription": "Not Hispanic or Latino",
    "preferredLanguageCode": null,
    "preferredLanguageRFCCode": null,
    "preferredLanguageDescription": "",
    "careCenterCode": null,
    "careCenterDescription": "",
    "homeHealthCode": null,
    "homeHealthDescription": "",
    "howHeardCode": null,
    "howHeardDescription": "",
    "howHeardDetailCode": null,
    "howHeardDetailDescription": null,
    "providerWoundCareId": 150378,
    "providerReferringId": null,
    "providerReferredId": null,
    "providerPrimaryId": 150378,
    "providerOtherId": 150378,
    "clinicianCaseManagerId": null,
    "emergencyContact": {
      "firstName": "",
      "lastName": "",
      "middleName": "",
      "relationship": "",
      "address1": "",
      "address2": "",
      "city": "",
nethealth.com | The Art of the Right Fit®
```



```
"state": "",
      "zip": "",
      "country": null,
      "phone": "",
      "email": null
    },
    "guarantor": {
      "firstName": "",
      "lastName": "",
      "middleName": "",
      "relationship": "",
      "address1": "",
      "address2": "",
      "city": "",
      "state": "",
      "zip": "",
      "country": null,
      "phone": null,
      "email": null
    },
    "insurance": [
         "insuranceId": 47603,
         "insuranceName": "Other Organizations",
         "Sequence": 1,
         "address1": "",
         "address2": "",
         "address3": null,
         "city": "",
         "state": "",
         "zip": "",
         "phone": "7812713000",
         "fax": "",
         "contactFirstName": "",
         "contactLastName": "",
         "contactPhone": "",
         "contactEmail": "",
         "insured": {
           "firstName": "Albert",
           "lastName": "Barber",
           "middleName": "",
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40 24th Street, 1st Floor | Pittsburgh, PA 1522 | 800 411 6281
```



```
"relationship": "Self",
           "address1": "",
           "address2": "",
           "city": "",
           "state": "",
           "zip": "",
           "country": "0",
           "phone": "7812713000",
           "email": ""
        },
         "insuredDOB": "1942-02-01T00:00:00",
         "policyNumber": "",
         "groupNumber": "",
         "groupName": ""
      }
    ],
    "weeksInTreatment": 237,
    "admissionDate": "2014-05-10T00:00:00",
    "preregistrationDate": "2014-03-01T00:00:00",
    "dischargeDate": null,
    "dischargeStatusCode": null,
    "dischargeStatusDescription": null,
    "locationId": 1,
    "locationDescription": "",
    "serviceLineId": 1,
    "serviceLineDescription": "Outpatient",
    "notes": ""
  },
  "errorCode": 0,
  "errorMessage": "The operation completed successfully",
  "errors": [],
  "warnings": [],
  "requestId": "42b76af7-297a-456c-8699-7e484464adf8"
}
```

**SelectionAdminGet** – returns a list of valid code table values for the given selection list name and facilityId; returns list of valid code & value. These values are used as select lists for various data

```
HTTP POST
```

```
URL: <a href="https://ihealintegrationapi.healogics.com/configservice/api/v1/SelectionAdminGet">https://ihealintegrationapi.healogics.com/configservice/api/v1/SelectionAdminGet</a> <a href="nethealth.com">nethealth.com</a> | The Art of the Right Fit® <a href="https://ihealintegrationapi.healogics.com/configservice/api/v1/SelectionAdminGet">https://ihealintegrationapi.healogics.com/configservice/api/v1/SelectionAdminGet</a> <a href="https://ihealintegrationapi.healintegrationapi.healintegrationapi.healintegrationapi.healintegrationapi.healintegrationapi.healintegrationapi.healintegrationapi.healintegrationapi.healintegrationapi.healintegrationapi.healintegrationapi.healintegrationapi.healintegrationapi.healintegrationapi.healintegrationapi.healintegrationapi.healintegrationapi.healintegrationapi.healinte
```



#### **HEADER:**

## Content-Type application/json

## Table 40 SelectionAdminGet request body

privateKey	String; alpha-numeric	Required	
eventDateTime	Datetime	Optional	
facilityId	Numeric	Required	
selectionName	String; alpha-numeric	Required	The <i>selectionName</i> for which to retrieve a list of selection items.

## Table 41 SelectionAdminGet response body

codeValues	Array of Objects	Required	May be empty array;
			defined below Table 42
			codeValue object

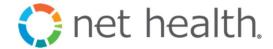
#### Table 42 codeValue object

code	numeric	R+	
value	String	R+	
sort	Numeric	0	

#### Table 43 SelectionAdminGet selectionName

DischargeStatus	Available patient discharge status		
Clinician	Active clinician list (ID, clinician name only: "Iname, fname minitial")		
ComponentOfCare	Available Service Lines (Inpatient, Outpatient, etc)		
ComponentOfCare2	Available Locations (satellite locations, SNF facilities, floors,		
	departments, etc)		
PatientEthnicity	Available list of patient ethnicity selections		
PatientRace	Available list of patient race selections		
PreferredLanguage	Available list of preferred languages		
Provider	Active provider list (ID, provider name only: "Iname, fname		
	minitial")		

# Sample Request Body



```
"value": "Treatment Complete (Inactive)",
    "sort": 0
  },
    "code": 1,
    "value": "Active",
    "sort": 1
  },
    "code": 2,
    "value": "Deceased",
    "sort": 2
  },
    "code": 3,
    "value": "Unknown",
    "sort": 3
  }
],
"errorCode": 0,
"errorMessage": null,
"errors": null,
"warnings": null,
"requestId": "00000000-0000-0000-0000-00000000000"
```

**VisitListGet** – returns a list of encounters or visits for the given facility and patient; only includes visits for the current admission.

Only patients in the designated facility which the authenticated user has access will be returned.

#### **HTTP POST**

URL: https://ihealintegrationapi.healogics.com/visitservice/api/v1/VisitListGet

**HEADER:** 

Content-Type application/json

#### Table 17 VisitListGet request body

privateKey	String; alpha-numeric	Required	Assigned to vendor at registration
masterToken	String; alpha-numeric	Required	Token obtained via Authenticate API; used

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			in all subsequent API calls
userId	Numeric	Required	userId of the authenticated user obtained via Authenticate API
eventDateTime	Datetime	Optional	"yyyy-mm- ddThh:mm:ss"
facilityId	Numeric	Required	
patientId	Numeric	Required	From PatientSearch API

## Table 18 VisitListGet response body

visits	Array of Object	Required	May be empty array;
			defined below Table 19
			visit object

## Table 19 visit object

visitId	numeric	R+	
visitDateTime	DateTime	R+	Local time w/ utc offset
visitTypeCode	Numeric	R+	Values from SelectionAdminGet — returns a list of valid code table values for the given selection list name and facilityId; returns list of valid code & value.VisitType selection Name
visitTypeDescription	String	R+	
visitStatus	Numeric	R+	0 – active, 1 – complete, 2 - missed
locationId	Numeric	0	
locationDescription	String	С	
serviceLineId	Numeric	0	
serviceLineDescription	String	С	
providerId	Numeric	0	
providerFirstName	String	С	
providerLastName	String	С	
provider2Id	Numeric	0	
provider2FirstName	String	C	
provider2LastName	String	С	
clinicianId	Numeric	0	
clinicianFirstName	String	С	
clinicianLastName	String	С	
clinician2Id	Numeric	0	
clinician2FirstName	String	С	
clinician2LastName	String	С	

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patient	Object	С	Present if patient not
			otherwise provided.
			<b>Error! Reference</b>
			source not found.

Table 20 patientMini object

patientId	numeric	Required	
patientFirstName	Alpha-numeric	Optional	
patientLastName	Alpha-numeric	Optional	
patientNumber	Alpha-numeric	Optional	
patientDOB	Date	Optional	
patientSex	String	Optional	M – Male, F - Female
weeksInTreatment	Numeric	Optional	
admissionDate	Date only	Optional	Date only field; patient admission date
preregistrationDate	Date only	Optional	Date only field; patient registration date
locationId	Numeric	Optional	
locationDescription	String	Conditionally Required	
serviceLineId	numeric	Optional	
serviceLineDescription	String	Conditionally Required	
inpatient	Object	Optional	Present if serviceLineId
			= 2 (inpatient); else null;

# Sample Request Body

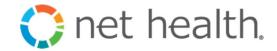
```
{
    "privateKey": "ABCDEF0123456789abcdef",
    "facilityId": 8921,
    "patientId": 12345
}

Sample Response Body
{
    "visits": [
    {
        "visitId": 3153862,
        "visitDateTime": "2016-06-30T14:00:00-04:00",
        "visitTypeCode": 2,
        "visitTypeDescription": "Wound Care",
        "visitStatus": 0,
        "locationId": 1,
```

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```
"locationDescription": null,
 "serviceLineId": 1,
 "serviceLineDescription": "Outpatient",
 "providerId": 150267,
 "providerFirstName": "CMS123",
 "providerLastName": "Diabeticfoot Test",
 "provider2Id": 152810,
 "provider2FirstName": "Berry",
 "provider2LastName": "Allen",
 "clinicianId": 2514,
 "clinicianFirstName": "BARBARA",
 "clinicianLastName": "HANNA",
 "clinician2Id": 2488,
 "clinician2FirstName": "Sara",
 "clinician2LastName": "Gold",
 "patient": {
    "patientId": 137159,
   "patientFirstName": "Felicia",
   "patientLastName": "Shelton",
   "patientMiddleName": "",
   "patientNumber": "CMS123 3",
   "patientDOB": "1982-02-01T00:00:00",
   "patientSex": "F",
   "weeksInTreatment": 376,
   "admissionDate": "2012-02-26T00:00:00",
   "preregistrationDate": "2012-02-26T00:00:00",
   "locationId": 1,
   "locationDescription": null,
   "serviceLineId": null,
   "serviceLineDescription": null,
   "inPatient": null
  }
}],
"errorCode": 0,
"errorMessage": null,
"errors": null,
"warnings": null,
"requestId": "00000000-0000-0000-0000-00000000000"
```



## **CCDA Services Overview**

The CCDA service API may be used to retrieve Common Clinical Data for each visit associated with a specified patient. A user must be authenticated prior to subsequent calls to other i-heal API to ensure authorized access and log user activity.

 The CCDAGet API may be used to retrieve the Common Clinical Data for each visit associated with a specified patient. The request may be filtered by date of service start and end range and include all or select Common Clinical Data parts. The clinical data is provided in C-CCDA format defined by Health Level Seven, International.

## **CCDA Services API**

**CcdaGet**– returns a list of C-CDA formatted objects containing Common Clinical Data Set for each visit associated with the specified patientId. The request may be filtered by startVisitDate and endVisitDate. The response only contains elements defined by ccdaParts.

The C-CDA payload and XSLT stylesheet are returned using Base64 encoding and must be decoded before use.

**HTTP POST** 

URL: <a href="https://ihealintegrationapi.healogics.com/CCDAService/api/v1/CCDAGet">https://ihealintegrationapi.healogics.com/CCDAService/api/v1/CCDAGet</a>

**HEADER:** 

Content-Type application/json

Table 44 CCDAGet request body

privateKey String; alpha-numeric		Required	Assigned to vendor at registration
masterToken	String; alpha-numeric	Required	Token obtained via Authenticate API; used in all subsequent API calls
userld	Numeric	Required	userId of the authenticated user obtained via Authenticate API
eventDateTime	Datetime	Optional	"yyyy-mm- ddThh:mm:ss"
facilityId	Numeric	Required	
patientId	Numeric	Required	PatientId from PatientSearch API

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		0

visitStartDate	Date only	Required	"yyyy-mm-dd"; date of
			first encounter to
			retrieve.
visitEndDate	Date only	Optional	Date of last encounter
			to retrieve. Same as
			visitStartDate if not
			provided
ccdaParts	Object	Optional	CCDA contains all parts
			if not provided; object
			defined below Table 45
			CCDA Generation Data
			Parts object

## Table 45 CCDA Generation Data Parts object

includeAllergies	boolean	Optional	"false" – do not include; "true" – include; default "false"
includeEncounters	boolean	Optional	u
includeFunctionalStatus	boolean	Optional	"
includeImmunizations	boolean	Optional	"
includeImplantableDevices	boolean	Optional	"
includeInstructions	boolean	Optional	u
includeMedications	boolean	Optional	u
includePlanOfTreatment	boolean	Optional	u
includeProblemList	boolean	Optional	"
includeProcedures	boolean	Optional	"
includeReasonForReferral	boolean	Optional	u u
includeResults	boolean	Optional	"
includeSocialHistory	boolean	Optional	u
includeVitalSigns	boolean	Optional	u
includeGoalsSection	boolean	Optional	u
includeHealthConcerns	boolean	Optional	u

## Table 46 CCDAGet response body

	,		
visitStartDate	Date only	Required	Same as request
visitEndDate	Date only	Required	Same as request
patientId	Numeric	Required	Same as request
ccda	Array of string	Required	Array of string containing C-CDA formatted payload for each patient visit; may be empty array. C-CDA is Base64 encoded and must be decoded before use.

			net health.
xsltStypesheet	String	Optional	Xslt stylesheet used to show C-CCDA in human readable form. Xslt is Base64 encoded and must be decoded before use.

```
Sample Request Body (all parts)
       "privateKey": "ABCDEF0123456789abcdef",
       "masterToken": "EO7MkxpIAL/ZtJ6nSeTS8MpckFTPSnyw2DBHaBIx5cFu3EW/CNzwjA",
       "userId": 674861,
       "facilityId": 8921,
       "patientId": 2583653,
       "visitStartDate": "2018-07-07",
       "visitEndDate": "2018-07-21",
       "codeParts": null
}
Sample Request Body (select parts)
{
       "privateKey": "ABCDEF0123456789abcdef"
       "masterToken": "EO7MkxpIAL/ZtJ6nSeTS8MpckFTPSnyw2DBHaBIx5cFu3EW/CNzwjA",
       "userId": 674861,
       "facilityId": 8921,
       "patientId": 2583653,
       "visitStartDate": "2018-07-07",
       "visitEndDate": "2018-07-21",
       "codeParts":
               "includeImmunizations": true,
               "includeProcedures": true
       }
}
Sample Response Body
{
       "patientId": 2583653,
       "visitStartDate": "2018-07-07",
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```

