

API ACCESS STEPS

Obtain your Access Token

- (1) Login to Navigating Care Portal through your web browser as a patient for which you or a third party interested in accessing their Health Records via 45 CFR 170.315(g)(9) API.
- (2) Navigate to Developer Tools in your web browser and obtain your **nc-session** cookie (token).
Make note of the **nc-session** cookie value
- (3) Using your favored API client, access the following API for both POST and GET API calls. See Documentation below for more details:
`<production base url>/patient-portal/api/health-records/document-requests`
- (4) Pass in the nc-session cookie into the Header of the API call with **Cookie** as the Header Variable and **nc-session=<cookie copied from above>** as the value (do not include the < and > symbols)
- (5) Pass in additional variables as defined in the following API documentation:

API Documentation:

info:

[title: Health Records Document Service API](#)

[description: This API provides download and transmit functionality for patient health records required for patient portal CEHRT and meeting Cures Update requirements on Patient Portal v7.0+.](#)

[API version: 1.0.0](#)

paths:

[/health-records/document-requests:](#)

[post:](#)

[summary: Request health record documents to be downloaded or transmitted via email](#)

[description: Launches an asynchronous job to create health record documents. The generated documents will automatically be sent to the provided email recipient if provided once](#)

complete. The `GET /health-records/document-requests/{jobId}` operation can be used with the `jobId` present in the response to retrieve the URLs for the generated documents.

requestBody:

\$ref: "#/components/requestBodies/HealthRecordDocumentRequest"

responses:

"200":

description: Request was successfully captured and document generation is in progress.

content:

"*/*":

schema:

\$ref: "#/components/schemas/HealthRecordDocumentJob"

links:

GetHealthRecordDocumentRequest:

description: The `jobId` attribute in the response data can be used to obtain the current state of the generated document request.

operationId: getHealthRecordDocumentRequestById

parameters:

id: "\$response.body#/jobId"

"400":

\$ref: "#/components/responses/BadRequest"

"500":

\$ref: "#/components/responses/ServerError"

/health-records/document-requests/{jobId}:

get:

operationId: getHealthRecordDocumentRequestById

summary: Retrieve the current state of a previously created health records document request.

description: Provides the current state of the health record document request. The URLs will only be present in the response once the status has progressed to 'COMPLETED'.

parameters:

```
- in: path
  name: jobId
  required: true
  schema:
    $ref: "#/components/schemas/HealthRecordDocumentJobId"

responses:
  "200":
    description: OK
    content:
      "application/json":
        schema:
          $ref: "#/components/schemas/HealthRecordDocumentJob"
  "400":
    $ref: "#/components/responses/BadRequest"
  "404":
    $ref: "#/components/responses/DocumentRequestNotFound"
  "500":
    $ref: "#/components/responses/ServerError"

/health:
get:
  summary: Shows application health information
  description: Provides status regarding the service's ability to handle requests.
  responses:
    "200":
      description: OK
    "500":
      $ref: "#/components/responses/ServerError"

components:
requestBodies:
```

HealthRecordDocumentRequest:

description: Parameters to apply when constructing the health record documents

content:

application/json:

schema:

\$ref: "#/components/schemas/HealthRecordDocumentRequest"

responses:

BadRequest:

description: The request cannot be completed as described. Refer to the message in the response body for more details.

content:

"/":

schema:

\$ref: "#/components/schemas/Error"

DocumentRequestNotFound:

description: When the health records document request specified in the request's `jobId` could not be found in cache. Once the health record document(s) request has reached a terminal state, the cache entry for that request is updated with a 24 hour TTL to ensure abandoned download requests are automatically cleaned up. This response may be because of this cache expiration or an invalid `jobId`.

content:

"/":

schema:

\$ref: "#/components/schemas/Error"

ServerError:

description: When the service experiences a problem handling the request.

content:

"/":

schema:

\$ref: "#/components/schemas/Error"

schemas:

Error:

type: object

properties:

message:

type: string

required:

- message

EmailRecipient:

description: The intended email recipient of the health record documents. This is **required** for the 'transmit' usage and will be ignored if provided for the 'download' usage.

type: string

format: email

FileFormat:

type: string

enum:

- pdf

- xml

description: >

The target file format(s) to convert the health records data into:

* pdf - a user friendly representation (based on the C-CDA standard) of the requested health records data.

* xml - An xml representation of the requested health records data compliant with the C-CDA standard.

HealthRecordFilters:

description: Parameters that scope the health records that will be included in the generated documents

type: object

properties:

```
patientId:  
  type: string  
  format: uuid  
  
startDate:  
  type: string  
  format: date  
  
endDate:  
  type: string  
  format: date  
  
required:  
  - patientId
```

TargetDocuments:

```
description: Parameters that define the generated health records document(s)  
type: object  
properties:  
  
linkValiditySeconds:  
  description: The number of seconds the links to the generated documents should be valid for.  
  type: integer  
  format: int64  
  
formats:  
  description: >  
    The target file format(s) to convert the health records data into:  
    * pdf - a user friendly representation (based on C-CDA standard) of the requested health records  
    data.  
    * xml - An xml representation of the requested health records data compliant with the C-CDA  
    standard.  
  
  type: array  
  items:  
    $ref: "#/components/schemas/FileFormat"  
  
  encryptionPassword:
```

description: Password to use for encrypting the resulting document. If provided, a ZIP file will be produced which will contain the requested file formats.

type: string

required:

- linkValiditySeconds

- formats

HealthRecordDocumentRequest:

description: Parameters to apply when constructing the health record documents

type: object

properties:

usage:

\$ref: "#/components/schemas/HealthRecordDocumentAccessType"

dataFilters:

\$ref: "#/components/schemas/HealthRecordFilters"

documents:

\$ref: "#/components/schemas/TargetDocuments"

emailRecipient:

\$ref: "#/components/schemas/EmailRecipient"

required:

- usage

- dataFilters

- documents

HealthRecordDocumentJob:

type: object

properties:

jobId:

\$ref: "#/components/schemas/HealthRecordDocumentJobId"

jobStatus:

\$ref: "#/components/schemas/HealthRecordDocumentJobStatus"

zipUrl:

description: A link to a zip file containing one or more of the requested files that will expire on the data/time present in 'linksValidUntil'. The file will require a password to open/decrypt if `passwordProtected` is true.

type: string

format: uri

pdfUrl:

description: A link to a PDF file containing the requested health records. The link will expire on the data/time present in 'linksValidUntil'.

expire on the data/time present in 'linksValidUntil'.

type: string

format: uri

ccdaUrl:

description: A link to a C-CDA compliant XML file containing the requested health records. The link will expire on the data/time present in 'linksValidUntil'.

type: string

format: uri

linksValidUntil:

description: The date/time the link(s) to the document(s) will no longer be accessible.

type: string

format: date-time

passwordProtected:

description: Flag indicating if the document(s) will be encrypted with a password. Will be true if the request contained a `encryptionPassword`, false otherwise.

type: boolean

emailRecipient:

\$ref: "#/components/schemas/EmailRecipient"

accessType:

\$ref: "#/components/schemas/HealthRecordDocumentAccessType"

createdAt:

description: When health record document request was received by this service.

type: string
format: date-time
lastUpdated:
description: The last time the job was updated. Will be the same as the 'createdAt' until there's an update from the CCD Generator service.
type: string
format: date-time
errorDescription:
description: Description of the issue that resulted in the Job ending in an unsuccessful terminal status. This is intended for internal NC support use only to speed RCA. Not intended to provide assessment or categorization of the error being transient or permanent to drive automatic retries.

type: string

required:

- jobId
- jobStatus
- accessType
- createdAt
- lastUpdated

HealthRecordDocumentJobStatus:

type: string

description: >

Defines the limit of the request's authentication scope.

- * submitted - a request has been successfully received and generation is underway.
- * failed - an error occurred during the document generation. This is a terminal state for the job.
- * unauthorized - the authenticated individual does not have access to the data required for document generation. This is a terminal state for the job.
- * completed - the document generation has completed successfully. This is a terminal state for the job.

the job.

enum:

- "submitted"
- "failed"
- "unauthorized"
- "completed"

HealthRecordDocumentJobId:

type: string

format: uuid

HealthRecordDocumentAccessType:

type: string

description: >

Defines the intended usage/context of the health records document request.

* download - a request for document URLs to be downloaded directly within the portal

* transmit - The generated documents are to be shared via email with the provided

'emailRecipient'.

enum:

- "download"

- "transmit"