



WebMD Ignite Education V3 API

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The WebMD Ignite Education Content V3 API is a RESTful API service that will support internal product design and delivery while also enabling clients and partners to access Ignite Education content to create dynamic and innovative consumer health engagement solutions.

This documentation will be iterative as new services are added to the Ignite Education Content solution.

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Ignite Education Content Basics

The API will only return the content resources associated with a client's license. Content is typically licensed by Source (HealthSheets, Ignite Education Clinical Videos, Exit-Writer Discharge Instructions, etc.).

Detailed tables in the Appendix provide detailed information about each content source, content type ID and associated metadata. One table provides information for a typical clinical license and use case; the second for a typical consumer license and use case. A third table provides detailed language codes by content (Appendix - page XX).

Token and Endpoint URL

Below are the staging and production URLs for tokens and endpoints. The client should use the URL per the REST API staging or production credentials.

Token URL:

Production URL: <https://identity.krames.com/connect/token>

Endpoint URL

Production URL: <https://api.krames.com/>

Content Variations

Each content resource has a variety of attributes. Some describe variants of a resource such as Version or Language. The Content ID does not change with these variants.

- Version (Same Content ID)
- Language (Same Content ID)

Content resources in different Media types (document or video) also have different Content IDs.

- Media (Different Content ID)

Video content

Videos: The request for the streaming media format includes the URL to the video in the content delivery network (CDN) and the video transcript. The URL can be used in the video player of the client's choice.

Video HealthSheet: Clients can use the Video HealthSheet to print information for a consumer or patient. The consumer can then scan the QR code or use the short link to access the video. If a client licenses both Videos and Video HealthSheets, both resources can be accessed through the API.

Example of API request where mediatype = video:

[https://api.krames.com/v3/content/search?terms=Cancer&AgeBin=Teen \(12 - 18 yrs\)&mediatype=Video](https://api.krames.com/v3/content/search?terms=Cancer&AgeBin=Teen%20(12%20-%2018%20yrs)&mediatype=Video)

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https://api.krames.com/v3/content/search?terms=Cancer&AgeBin=Teen (12 - 18 yrs)&mediatype=Video

GET https://api.krames.com/v3/content/search?terms=Cancer&AgeBin=Teen (12 - 18 yrs)&mediatype=Video

Params Authorization Headers (8) Body Pre-request Script Tests Settings Cookies

Query Params

Key	Value	Description
terms	Cancer	
AgeBin	Teen (12 - 18 yrs)	
mediatype	Video	

Body Cookies Headers (10) Test Results

```

1 {
2   "total": 3,
3   "data": [
4     {
5       "title": "Pediatric Cancer: One Step at a Time",
6       "ContentID": 182,
7       "ContentIDP": "5082P",
8       "Sex": [
9         "Female",
10        "Male"
11      ],
12      "AgeBin": [
13        "Teen (12 - 18 yrs)"
14      ],
15      "Source": [
16        "ShareMD: Patient Perspective"
17      ]
18    }
19  ]
20}

```

Status: 200 OK Time: 125 ms Size: 1.66 KB Save as example

Example of QR code video within client app or website:

Addiction: The Bottom Is When You Stop Digging
 Daniel blew through rehab centers and police stations just like he did drugs. By the age of 18, he was almost out of options. This is his story...

To watch the video:
Scan the QR code

Using your mobile device, scan the following code:

OR
 Go to the website:
www.kramesvideo.com
 Enter the prescription code:
NBX

Content Versioning

A version key will be generated and returned in the JSON response when retrieving content. By default, the current content version will be returned via the API, when no version is specified. Search results do not contain version information; the search index always contains the latest version of the content.

API Request to check the content version and API health:

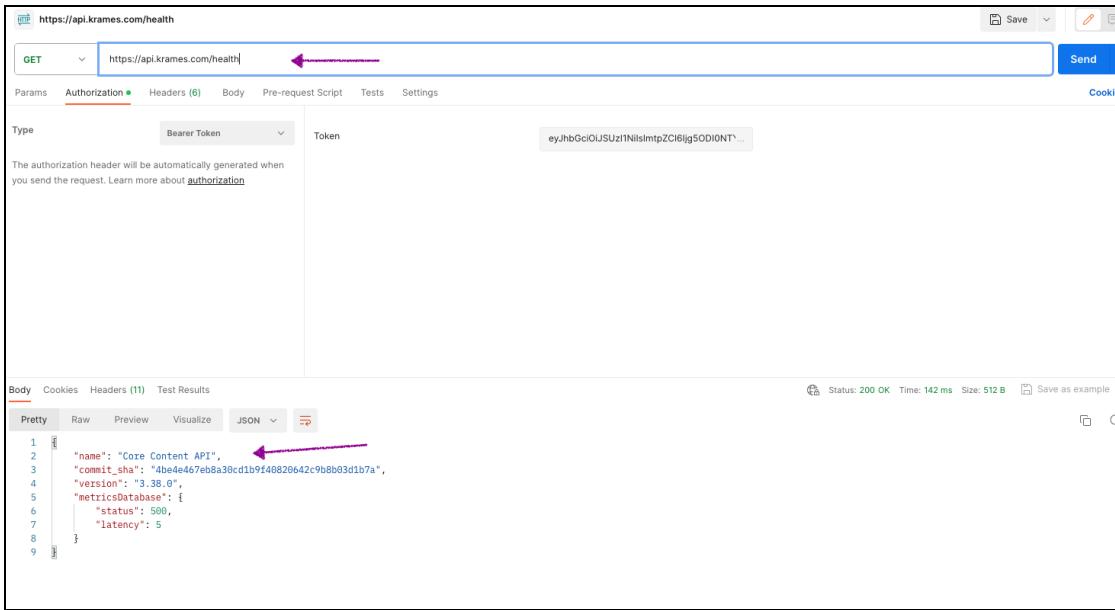
<https://api.krames.com/health>

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A screenshot of the Postman application interface. The URL in the header is "https://api.krames.com/health". The method is set to "GET". In the "Authorization" tab, a "Bearer Token" is selected and a token value "eyJhbGciOiJSUzI1NiIsImtpZCI6Ijg5ODI0NT..." is entered. The "Headers" tab shows "(6)" entries. The "Body" tab is selected, showing a JSON response with a status of 200 OK, time 142 ms, and size 512 B. The response body is a JSON object with fields: name, commit_sha, version, metricsDatabase, status, and latency. A purple arrow points from the "Authorization" tab to the token field, and another purple arrow points from the "Body" tab to the JSON response.

Content Source

Ignite Education content is designed for two general use cases:

1. integration into a clinical application and workflow, and,
2. integration into a consumer-facing application.

Detailed tables in the Appendix provide an overview of the content resources available. Each content resource is identified by a Content Type ID (numeric code) and a Source which is the text description of the Content Type ID.

Note: The specific content sources available via the API is determined by a **client license**. If the content type is not included in the client license, it will not be returned through search or get content requests.

Languages Supported

Language is a required attribute of any content item. All API endpoints utilize an HTTP `accepts-language` header, AND a querystring parameter for language, these will default to `en` if unspecified. The value of the query string parameter `language` will take precedence over the `accept-language` header.

This will pull all the English articles

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Accept-Language – en or blank, this will retrieve all the English articles under the license.

The screenshot shows a Postman request for the URL `https://api.krames.com/v3/content/search?`. The method is set to GET. In the Headers tab, there are two checked items: `Authorization` with the value `bearer {{jwtToken}}` and `Accept-Language`. A purple arrow points from the text "Accept-Language – en or blank, this will retrieve all the English articles under the license." to the `Accept-Language` header key. The Body tab displays the JSON response, which includes a total count of 40460 and a list of article data. A purple arrow also points from the text "Accept-Language – es, this will retrieve all the Spanish articles under the license." to the "total" value in the JSON response.

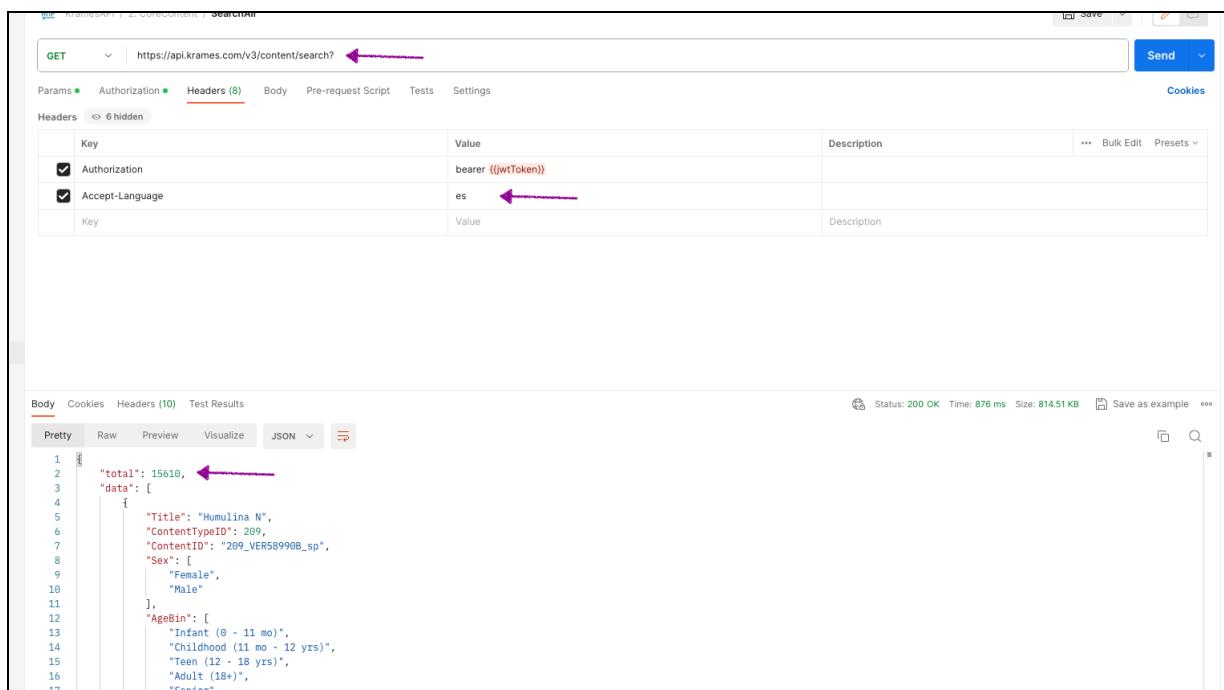
```
1   {
2     "total": 40460,
3     "data": [
4       {
5         "Title": "Humulin N",
6         "ContentTypeID": 209,
7         "ContentID": "209_VERS599908_en",
8         "Sex": [
9           "Female",
10          "Male"
11        ],
12        "AgeBin": [
13          "Infant (0 - 11 mo)",
14          "Childhood (11 mo - 12 yrs)",
15          "Teen (12 - 18 yrs)",
16          "Adult (18+)",
17          "Senior"
18        ]
19      }
20    ]
21  }
```

Accept-Language – es, this will retrieve all the Spanish articles under the license.

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A screenshot of the Postman application interface. At the top, there's a search bar and a URL field containing "https://api.krames.com/v3/content/search?". Below the URL, a dropdown menu shows "GET" selected. Underneath the URL, there are tabs for "Params", "Authorization", "Headers (8)", "Body", "Pre-request Script", "Tests", and "Settings". The "Headers (8)" tab is currently active, showing two checked items: "Authorization" with the value "bearer {{jwtToken}}" and "Accept-Language" with the value "es". A red arrow points from the "Authorization" value towards the JSON response. The "Body" tab is also active, showing a JSON response with a total count of 15610 and a list of content items. A red arrow points from the "total" value in the JSON response back up towards the "Authorization" header in the Postman interface. The JSON response is as follows:

```
1 "total": 15610, ←
2   "data": [
3     {
4       "Title": "Humulina N",
5       "ContentTypeID": 209,
6       "ContentID": "209_VERS8990B_sp",
7       "Sex": [
8         "Female",
9         "Male"
10       ],
11       "AgeBin": [
12         "Infant (0 - 11 mo)",
13         "Childhood (11 mo - 12 yrs)",
14         "Teen (12 - 18 yrs)",
15         "Adult (18+)",
16         "Elderly"
17       ]
18     }
19   ]
20 }
```

<https://api.krames.com/v3/content/82-116092en>

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GET https://api.krames.com/v3/content/82-116092en

Params	Authorization	Headers (8)	Body	Pre-request Script	Tests	Settings
		Headers (8) <input checked="" type="checkbox"/> Authorization <input checked="" type="checkbox"/> Accept-Language <input type="checkbox"/> 6 hidden				
		Key	Value			
		Authorization	bearer {{jwtToken}}			
		Accept-Language	es			
		Key	Value			

Body Cookies Headers (8) Test Results

Pretty Raw Preview Visualize JSON

```

110
111 "username": "lj",
112 "thumbnailId": null,
113 "closedCaptions": null,
114 "transcript": null
115 },
"body": "<body><h1>Intolerancia alimentaria</h1><p>Una reacción de sensibilidad a un alimento (intolerancia alimentaria) ocurre si usted come alimentos que su cuerpo no puede digerir bien. La intolerancia alimentaria suele confundirse con la alergia a los alimentos. A menudo, la intolerancia se debe a la falta de enzimas digestivas específicas que descomponen los alimentos. Sin embargo, puede haber otras razones por las que no tolera alimentos. No obstante, la intolerancia alimentaria no es una reacción alérgica. Una reacción alérgica es una respuesta del sistema inmunario. En cambio, un ingrediente o sustancia del alimento provoca irritación en el sistema digestivo. </p><p>Los síntomas pueden comenzar dentro de algunas horas después de comer. Estos incluyen hinchazón, náuseas, vómitos, diarrea, cólicos/calambres en el estómago o muchos gases. Por lo general, este malestar termina en 6 a 24 horas. Se puede aliviar con tratamientos simples en el hogar. Los alimentos que, en general, causan esto incluyen: </p><ul><li>leche y productos lácteos (queso, yogur, crema agria), debido a la intolerancia a la lactosa (algunas personas que son intolerantes a la lactosa pueden tolerar el yogur y algunos quesos duros); </li><li>GMS (ingrediente común en la cocina china);</li><li>legumbres y hongos; </li><li>trigo, centeno y cebada, debido a la intolerancia al gluten.</li><li>Section><h2>Cuidados en el hogar</h2><p>Los siguientes consejos lo ayudarán a cuidarse en el hogar:</p><ul><li><p>Si los síntomas son graves, haga reposo en su casa durante las próximas 24 horas. Tome de seis a ocho vasos de líquidos al día para no deshidratarse. Estos pueden incluir agua, bebidas deportivas, refrescos sin cafeína, jugos, té y caldos. Retome de a poco su dieta habitual a medida que se sienta mejor. </p><li><p>En el futuro, evite los alimentos que causaron la reacción hoy. Si no está seguro de cuál alimento la causó y quiere saberlo, elimine todo alimento que le genere sospecha. Llevar un diario de alimentos puede ayudarle a descifrar de cuál se trata. Anada los alimentos sospechosos a su dieta en pequeñas cantidades, uno por uno, hasta que la reacción ocurra de nuevo. </p><li><ul><li><Section><h2>Seguimiento</h2><p>Programa visitas de control con su proveedor de atención médica, o según las instrucciones, si no se siente mejor durante los próximos dos a tres días. </p><li><Section><h3>Cuando llamar al <hotfield hotfieldid="1">#911</hotfield></h3><p>Si tiene alguno de los siguientes síntomas: </p><ul><li><p>dificultad para respirar;</p><li><p>confusión;</p><li><p>vómitos con sangre o grandes cantidades de sangre en las heces;</p><li><p>convulsiones;</p><li><Section><h2>Cuando buscar atención médica</h2><p>Llame a su proveedor de atención médica de inmediato ante cualquiera de las siguientes situaciones: </p><ul><li><p>dolor fuerte y constante en el lado inferior derecho del abdomen;</p><li><p>vómitos persistentes (no puede mantener los líquidos en el estómago);</p><li><p>diarrea excesiva;</p><li><p>sangre o mucusidad en la diarrea;</p><li><p>debilidad o mareos.</p></ul></Section></body>",
"version": [
    "20190905-224449"
],
"language": "es"
}

```

Table 3 in the Appendix provides an overview of the content and the languages supported. Ignite Education uses the ISO 639-1 Code standards for language abbreviations, and ISO 639-2 for languages that are unavailable in ISO 639-1.

When using the GET content endpoint, this language parameter will be used to retrieve the document in the language the parameter specifies, if it is available. When calling the Search endpoint with a language parameter in this way, this will search Ignite Education content that is available in that language. So, any terms present in a search performed in this manner will need to also be in the same language that was specified.

Segmented Content

Segmented content enables a client to request a specific section of a document to display or to enable a client to control the navigation within a segmented document. Segments have been defined for a small set of content assets from the Consumer Health Library. Within this content type, standard segments have been defined and can be identified. See Table 4 in the Appendix for detailed information.

Endpoint Base URL

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The content endpoints described below should use this base URL:

Production URL: <https://api.krames.com/>

Requests to these endpoints require authorization. Authorization should be sent in a header with the key "Authorization", and the value should be "bearer <your token from the identity server>".

Production environments

We recommend completing all development against the Ignite Education API in our production environment.

Authentication

To retrieve a bearer token, an authorization request should be made to our identity server using:

<https://identity.krames.com/connect/token>

This authorization request has the following parameters: (Replace client_id and client_secret values with the values provided to you).

POST https://identity.krames.com/connect/token

Body (x-www-form-urlencoded)

Key	Value	Description
client_id	[REDACTED]	
client_secret	[REDACTED]	
grant_type	client_credentials	
scope	proxy_api.read	

Body (Pretty)

```
1 "access_token": "eyJhbGciOiJSUzI1NiIisInpzc16Ijg5ODI0NTYzNkyzMDE1MT1BRDYxMEI30EEzME2QUVQjJGODUyMjRSUzI1NiIsInR5cC16InF0K2p3dCisIng1dCI6ImZkZMjh3RlJtdf1RdDRd3BxNzdMNfVpUSJ9eyJuYm0tJE3MDA1OD1NTAsIn4cCiOMtcwMDUN4NM1MCwiXNzIjoIAhRoCHMLy9pZGVudGl0esS5rcfTzXNuY29tIwiYXVkjoiCh3veh1YXXbp1iwY2xpZWS0X21k1joiC21nb9p9pZ9oZWfdsgHfY2xpZWS0IiwiC210Z9vUW11jo1s09E5V9TaWdtb21kiwi1bG1Zw5zv9pzc16Ij4Anjk0i1wiwanRp1jo10u5MeWmTfjMEVENjb80tIWmj20TmQTA2000202e1LClJpXYX0i0jE3MDA1OD1NTAsInjh3B1ljpInBy3h3X2FwS5yZWFk119.KnqULn72SM9tVtWOGyKtih113chRm43-s0EVExhbhzoopA205xPZmfqks10-1xJOJ08s-a-f1LcBc095Hps0JyTav0f4Ea-m3D540uZ0CpG9x8TAts3W74e3BqNUM9-D0l3urm6rsd1Aw16QXKfcu6PMoSuu-0LttdEPN11qrIJ9Aj87gFs16h2z5p1eRFGOK-1940TxYhm-D07kmP2sAVh1dzsoZla8CUTtTyur5KWhuzRghIqJeb2gs1JC8jg8hgY18JRHoks6H1PAGmu1C0L0w3GQw3nSzEFzsDdoA58BUcW0AsRJ16Banfe-21mc3EwP_cYjhMDYB2iWh1RqJa3-pS6eh5gjioSMV2p-hh2A2b8cmF6xN7UexT6PYnTs7tpvDZZM79fPOnJvKqY35fanQRmbJcp2aa1AppNBpGwF1-ckg9rAkfmka5JdrKchFn18t33xk8-Rs7eA4490B-w-Nt6KbU27jvnL22077P1U-w2_1YrgI5wbh17vLJ3GBJa1ld0xB7boNeApkAq5DZFAmItzSA63SwXmG6IRdFq8mpIN3HC8BuX0YFY7cDK3G06MYYLMrTy4IRpNg9f_yKtBUDXKKprrQPubz07FhDkGug9xNoqJ4SzWosbdtVxnRJMsL3PcNCUJNA".
```

2 "expires_in": 3600,

3 "token_type": "Bearer",

4 "scope": "proxy_api.read"

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The authorization request will respond with JSON similar to:

```
Key Value Description
Body Cookies Headers (11) Test Results
Pretty Raw Preview Visualize JSON 🔍
1 {
2   "access_token": "eyJhbGciOiJSUzI1NiIsImtpZCI6Ijg5ODI0NTYzNkYzMDE1MT1BRDYxMEI30EEzMEE2QUVGQjJGODUyMjRSUzI1NiIsInR5cCI6ImF0K2p3dCIsIng1dCI6ImI2SkZZMjh3R1ltdf1RdDRvd3BxNzdMNFPvUS39.eyJJuYmYi0jE3MTMyMTUwMzgsImV4cI6MTcxMzIx0DYz0CwiaXNzIjoiaHR0cHM6Ly9pZGVudGl0eS5rcmFtZXMuY29tIiwiYXVkJioicHJveHlfYXBpIiwiY2xpZW50X2lkIjoic2lnbWPpZF9oZWFdGhfY2xpZW50Iiwi2l0ZV9uYW11Ijois09ESV9tawdtb21kiwibG1jZW5zZV9pZCI6IjE4Njk0IiwanRpIjoiRKU0RTk2NTE0MDFBMdy2ODJGQTQ50U02RTew0DE40Tc1LCjpxQxi0jE3MTMyMTUwMzgsInNjb3BljjpbInByb3h5x2FwaS5yZWfkIl19. rwejG113BWQWsEKN8qjFKSi-9qt68n0TGrdGa70d3TQIDce90NEzY4GcTeiaQ3KzKJRY2KY6IRWt98ZahXSKNQNULG4LEA9avc5m4JnT9tRB0EV-B3WgMFKKoE56LnjsrUTFr8LHLrz6tAp0aoewqC6tgHkI12y0iZf5IT6IS71K3Y2PztzJA1zKYqvHkbxBETX-j5x2lU2sfYwYUok2Ypj8KJfyJuxKce0T80WrIt4hfKxgYHrrY8CPH0gc2bIuF1hbQrHHet4MLYcOzkUzv_sgCVCcB2ekCuOpAhethMRfRwy3vygE86_VCbBxxxiEFpz0gBI3S2VTM5j9DPjtTs0leKL01riJJ6HKwAL_pfXbzDg-iFqAhE-DicIAzeSJnETykFxjcDYBX51etSb4D2A66kkIX27SvorjThiZ5ewJQonM0h93ih1ipToRlx79a_BgE9QFKY1sFb8GqGaaYhHX7K7BwYupb_6nUYLcsM9Q0R2UShhxTYTvMuQL3-qfhA9D_wHFS7Gp4nsUiohagWt51N7edPChNwJxyzW-d3N9C7yCzrkqjpw20pD_RwURwfhe1Qha8v9SpCYGcN0KTT0qmxxvGNKb0Kw05Q9ahTTTuk9jdK-jTjeToTwmZDvIxfjqucfREKTsbS-gdyTuEv_JTFVLxIvdBFwp0",
3   "expires_in": 3600,
4   "token_type": "Bearer",
5   "scope": "proxy_api.read"
6 }
```

Unless explicitly stated, all API calls here require an OAuth Bearer Token. This token ties the request to a license unless it is a system-level token. The bearer token should be sent using the Authorization header, and prefixed with 'Bearer' or put in the

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Token section of POSTMAN or any other API platform.

The screenshot shows the POSTMAN interface with a collection named "KramesAPI / 2. CoreContent". A GET request is selected with the URL <https://api.krames.com/v3/collection>. In the Authorization tab, the "Type" dropdown is set to "Bearer Token". To the right, a tooltip says: "Heads up! These parameters hold sensitive data. To keep this data secure while working in a collaborative environment, we recommend using variables. Learn more about variables". Below the dropdown, it says: "The authorization header will be automatically generated when you send the request. Learn more about [authorization](#)". A purple arrow points from the "Type" dropdown to the "Token" field, which contains a long, complex string of characters. Another purple arrow points from the "Token" field to the tooltip. At the bottom, there is a button labeled "Click Send to get a response" with an illustration of an astronaut launching a rocket.

ListLicensedContentTypes

Returns a distinct list of Content Types assigned to the client's license.

https://api.krames.com/{client_name}/Content.svc/ListLicensedContentTypes

client_name - This is the username for the API credentials. If it doesn't work with the username, please reach out to the Ignite Education team.

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The screenshot shows the Postman interface with the following details:

- Request Type:** GET
- URL:** https://api.krames.com/{client_name}/Content.svc/ListLicensedContentTypes
- Authorization:** Bearer Token (Token value: eyJhbGciOiJSUzI1NiIsImtpZCI6Ijg5ODI0NT...)
- Status:** 200 OK
- Body:** XML response containing a list of ContentType objects.

```
<?xml version="1.0" encoding="utf-8" ?>
<ContentTypeList>
  <ContentType Id="1" Name="Wellness Library" />
  <ContentType Id="3" Name="Healthsheets" />
  <ContentType Id="6" Name="Daily News Feed" />
  <ContentType Id="19" Name="Nutritional Supplement Advisor" />
  <ContentType Id="23" Name="About This Site" />
  <ContentType Id="30" Name="Recipes" />
  <ContentType Id="34" Name="Cancer Source" />
  <ContentType Id="35" Name="Cancer FAQs" />
  <ContentType Id="40" Name="Quizzes" />
  <ContentType Id="41" Name="Calculators" />
  <ContentType Id="42" Name="MRAs" />
  <ContentType Id="43" Name="Prevention Planner" />
  <ContentType Id="56" Name="Disease Management" />
```

ListLicenseUpdates

Return a list of content that has been added to or deleted from a license, and licensed content that was updated, after a given date.

[https://api.krames.com/{client_name}/Content.svc/ListLicenseUpdates?xmlRequest=<LicenseUpdateRequest StartDate="2024-02-15" IncludeBlocked="false" />](https://api.krames.com/{client_name}/Content.svc/ListLicenseUpdates?xmlRequest=<LicenseUpdateRequest StartDate='2024-02-15' IncludeBlocked='false' />)

client_name - This is the username for the API credentials. If it doesn't work with the username, please reach out to the Ignite Education team.

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The screenshot shows the Postman interface with the following details:

- Overview**: Shows various API endpoints like POST GetToken, GET GetCollection, GET ListLicenseUpdates (selected), and GET ListLicensedContentTy.
- Request URL**: https://api.krames.com/.../Content.svc/ListLicenseUpdates?xmlRequest=<LicenseUpdateRequest StartDate="2024-02-15" Includ...
- Method**: GET
- Params**: Authorization, Headers (5), Body, Pre-request Script, Tests, Settings
- Query Params**:
 - Key: xmlRequest Value: <LicenseUpdateRequest StartDate="2024-02-15" IncludeBlocked="false" />
- Body**:
 - Pretty
 - Raw
 - Preview
 - Visualize
 - XML

```
<?xml version="1.0" encoding="utf-8" ?>
<ContentList>
    <ChangedContent>
        <ContentObject ContentTypeId="3" ContentId="61091es" IsCustom="false" Blocked="false" LanguageCode="es"
            ContentObjectType="Document" />
        <ContentObject ContentTypeId="90" ContentId="P05009" IsCustom="false" Blocked="false" LanguageCode="es"
            ContentObjectType="Document" />
        <ContentObject ContentTypeId="3" ContentId="40450" IsCustom="false" Blocked="false" LanguageCode="en"
            ContentObjectType="Document" />
        <ContentObject ContentTypeId="92" ContentId="P09326" IsCustom="false" Blocked="false" LanguageCode="es"
            ContentObjectType="Document" />
        <ContentObject ContentTypeId="134" ContentId="73" IsCustom="false" Blocked="false" LanguageCode="en"
            ContentObjectType="Document" />
        <ContentObject ContentTypeId="3" ContentId="88102" IsCustom="false" Blocked="false" LanguageCode="vi"
            ContentObjectType="Document" />
        <ContentObject ContentTypeId="3" ContentId="88819" IsCustom="false" Blocked="false" LanguageCode="en"
            ContentObjectType="Document" />
        <ContentObject ContentTypeId="3" ContentId="82065" IsCustom="false" Blocked="false" LanguageCode="en"
            ContentObjectType="Document" />
        <ContentObject ContentTypeId="90" ContentId="P05042" IsCustom="false" Blocked="false" LanguageCode="es"
```

- Test Results**: 1/1
- Status**: 200 OK Time: 8.25 s Size: 1.55 MB
- Actions**: Save as example, ...

Browse-based navigation

There are two categorization options when building browser-based navigation with Ignite Education content.

Serviceline Hierarchy: Servicelines are a type of metadata applied to content. It Defines the clinical service line and organizes resources into a browsable hierarchy.

- Contains up to 3 hierarchical levels. For example,
 - Adult
 - Adult\Asthma
 - Adult\Asthma\Asthma
 - Adult\Asthma\Asthma, Attack

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- o Adult\Asthma\Asthma, Exercise
- o Pediatrics
- o Pediatrics\Adolescent Medicine
- o Pediatrics\Adolescent Medicine\Eating Disorders
- o Pediatrics\Adolescent Medicine\Growth And Development
- o Pediatrics\Adolescent Medicine\Safety,Firearms

Collection Hierarchy: Collections are groups of content that can be licensed for client use. It defines groupings of content resources based on some legacy WebMD Ignite content sources. This can also be used to mimic the structure of the consumer health library.

A screenshot of a web browser window displaying a hierarchical navigation menu. The menu is organized under the heading 'Integrated Cancer Center'. The structure includes: 'About Cancer' (with 'Cancer and Genetics' and 'Cancer Test and Procedures' collapsed), 'Cancer Diagnosis' (under 'About Cancer'), 'Cancer and Nutrition' (under 'About Cancer'), 'Cancer Treatment' (with 'About Cancer Treatment', 'Chemotherapy', 'Radiation Therapy', 'Hormone Therapy', 'Surgery', 'Other Cancer Treatments', 'Clinical Trials', and 'Complementary and Alternative Therapies' collapsed), 'Cancer Treatment Side Effects' (under 'Treatment'), 'Living With Cancer' (under 'Treatment'), 'Specific Cancers' (with 'Adrenal Cancer', 'Anal Cancer', 'Bile Duct Cancer', 'Bladder Cancer', 'Bone Cancer', 'Brain and Central Nervous Cancer', 'Breast Cancer', 'Carcinoma of Unknown Primary', and 'Cervical Cancer' collapsed).

Serviceline Hierarchy

There is a single endpoint that can be used to retrieve the Serviceline hierarchy from the API; this endpoint will return all 3 levels of the hierarchy in JSON format.

When utilizing this hierarchy information using the search endpoint to retrieve documents that belong to a particular node in the hierarchy, you should pass the path attribute of the node to the search using the `serviceline` parameter.

Example: To retrieve all the documents located in the `Adult\Asthma` node, I would pass that path to the search like this:

Serviceline Path

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GET /v3/content/Search?serviceline=Adult\Adolescent%20Medicine

The screenshot shows the Postman interface with a successful API call. The URL in the header is `https://api.krames.com/v3/content/Search?serviceline=Adult\Asthma`. The 'Query Params' table has two entries: 'serviceline' with value 'Adult\Asthma'. The response body is a JSON object with a 'total' key set to 212, and a 'data' array containing various service line details.

Key	Value	Description
serviceline	Adult\Asthma	

```
1 {  
2   "total": 212,  
3   "data": [  
4     {  
5       "Title": "What Is Asthma?",  
6       "ContentTypeID": 56,  
7       "ContentID": "DM516",  
8       "Sex": [  
9         "Female",  
10        "Male"  
11      ],  
12      "AgeBin": [  
13        "Adult (18+)"  
14      ],  
15      "Source": [  
16        "Disease Management"  
17      ],  
18      "MediaType": [  
19        "Document"  
20      ],  
21      "Score": 8.826969,  
22    }]  
]
```

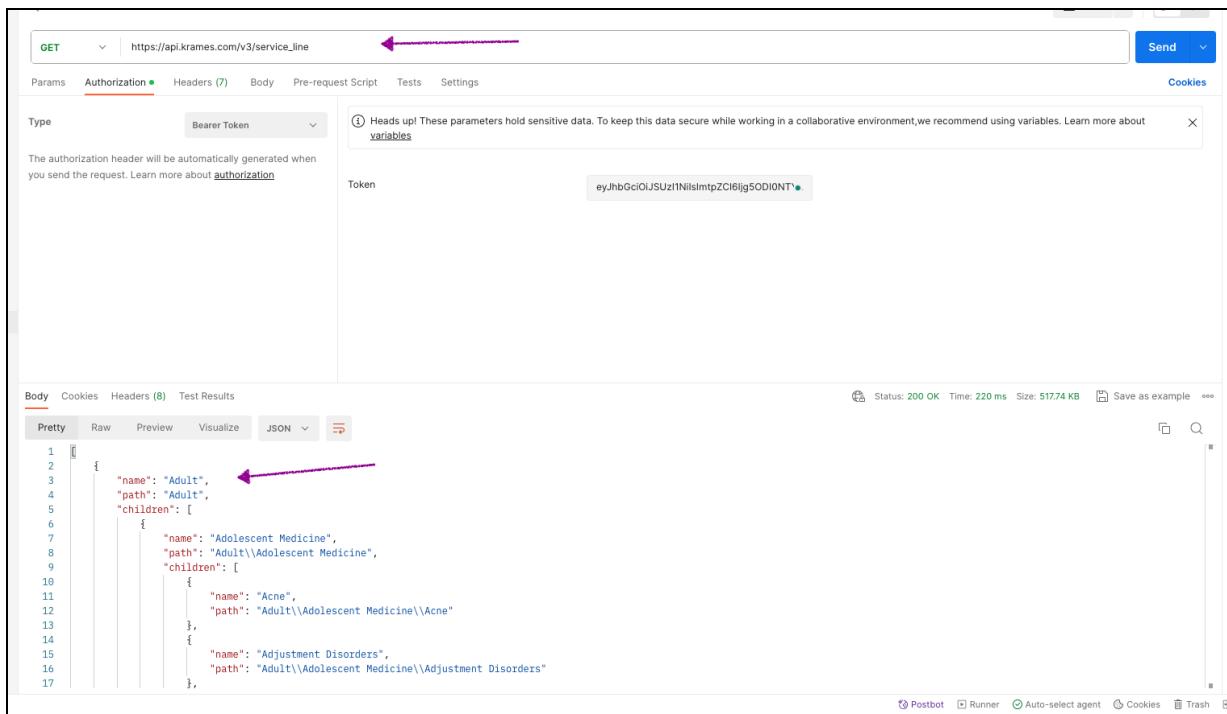
Serviceline:

https://api.krames.com/v3/service_line

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The screenshot shows a POST request to `https://api.krames.com/v3/service_line`. The Authorization tab is selected, showing a Bearer Token input field containing a long JWT token. The Body tab is selected, displaying a JSON response with path values escaped. Arrows point from the 'path' values in the JSON response back to their original locations in the code editor.

```
1 {  
2   "name": "Adult",  
3   "path": "Adult",  
4   "children": [  
5     {  
6       "name": "Adolescent Medicine",  
7       "path": "Adult\\Adolescent Medicine",  
8       "children": [  
9         {  
10        "name": "Acne",  
11        "path": "Adult\\Adolescent Medicine\\Acne"  
12      },  
13      {  
14        "name": "Adjustment Disorders",  
15        "path": "Adult\\Adolescent Medicine\\Adjustment Disorders"  
16      },  
17    ],  
18  ]  
19}
```

NOTE: Path values in JSON may need to be unescaped.

Please see the below screenshot for the API request to retrieve serviceline in JSON format

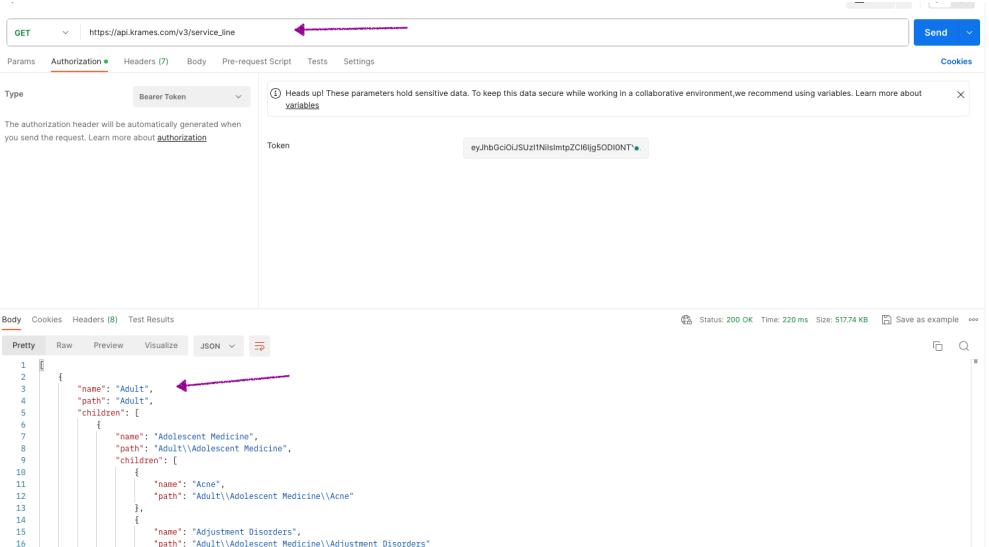
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Technical Specifications

Resource - GET	<p>https://api.krames.com/v3/service_line</p>
Description	<p>An API endpoint that returns the entire serviceline hierarchy in JSON format.</p>
POSTMAN - API Request	 <p>The screenshot shows the POSTMAN interface with the following details:</p> <ul style="list-style-type: none">Method: GETURL: https://api.krames.com/v3/service_lineAuthorization: Bearer TokenBody: (Empty)Headers: (8 items listed)Tests: (Empty)Settings: (Empty) <p>The response body is displayed in JSON format, showing a hierarchical structure of service lines:</p> <pre>1 { 2 "name": "Adult", 3 "path": "Adult", 4 "children": [5 { 6 "name": "Adolescent Medicine", 7 "path": "Adult\\Adolescent Medicine", 8 "children": [9 { 10 "name": "Acne", 11 "path": "Adult\\Adolescent Medicine\\Acne" 12 }, 13 { 14 "name": "Adjustment Disorders", 15 "path": "Adult\\Adolescent Medicine\\Adjustment Disorders" 16 }, 17] 18] 19}</pre>
Parameters	<p>This endpoint has no parameters.</p>

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Return Values

200 Success

```
[  
  {  
    "name": "Adult",  
    "path": "Adult",  
    "children": [  
      {  
        "name": "Adolescent Medicine",  
        "path": "Adult\\Adolescent Medicine",  
        "children": [  
          {  
            "name": "Acne",  
            "path": "Adult\\Adolescent Medicine\\Acne"  
          },  
          {  
            "name": "Adjustment Disorders",  
            "path": "Adult\\Adolescent Medicine\\Adjustment  
Disorders"  
          },  
          {  
            "name": "Adolescent Medicine",  
            "path": "Adult\\Adolescent Medicine\\Adolescent  
Medicine"  
          },  
          ...  
        ]  
      }  
      ...  
    ]  
  }]
```

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Resource – GET	https://api.krames.com//{Client Name}/Content.svc/GetAllServicelineAudiences
Description	An API endpoint that returns the main folders under a serviceline in JSON format.
POSTMAN – API Request	<pre> GET https://api.krames.com//{Client Name}/Content.svc/GetAllServicelineAudiences Authorization: Bearer eyJhbGciOiJSUzI1NiIsImtpZCI6Ig5ODI0NT... Content-Type: application/json Accept: application/json { "Audience": ["Adult", "Pediatrics"] } </pre>
Parameters	This endpoint has no parameters.
Return Values	<pre> <?xml version="1.0" encoding="utf-8" ?> <ServicelineAudiences> <Audience>Adult</Audience> <Audience>Pediatrics</Audience> </ServicelineAudiences> </pre>

Collection Hierarchies

There are two endpoints that can be used to retrieve the Collection hierarchies from the API. One is for retrieving the top-level Collections in JSON format, and the second is for retrieving the details of that collection (full collection hierarchy) in JSON format.

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Use the search endpoint to retrieve documents that belong to a particular node in the hierarchy, construct a path using the names of the nodes in the hierarchy path you want to retrieve documents for, and pass that path to the search using the `collectionPath` parameter.

There are two types of collection: Standard Collection and Dynamic Collection

Standard Collection: Can contain multiple content types and are broken down into subtopics

GET - <https://api.krames.com/v3/collection>

```
1 {
2   "total": 52,
3   "collections": [
4     {
5       "rootSubtopicId": 47517,
6       "collectionName": "About This Site-v3.5"
7     },
8     {
9       "rootSubtopicId": 95432,
10      "collectionName": "Coronavirus_all_resources"
11    },
12    {
13      "rootSubtopicId": 29028,
14      "collectionName": "Exit-Writer Languages (KOD)"
15    },
16    {
17      "rootSubtopicId": 23884,
18    }
19  ]
20}
```

Dynamic Collection: It contains only one type of content, like 138 for Videos, or 203 - `contentTypeID` for ASHP Drug Sheets, or 6 for HealthDay News. They are automatically updated when new content is added.

GET - <https://api.krames.com/v3/dynamicCollection>

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Screenshot of a Postman API request for retrieving dynamic collections.

Request URL: https://api.krames.com/v3/dynamicCollection

Authorization: Bearer Token (Token: eyJhbGciOiJSUzI1NiIsImtpZCI6Ijg5ODI0NTc)

Response Status: 200 OK | Time: 123 ms | Size: 3.16 KB | Save as example

```

1 {
2   "total": 27,
3   "dynamicCollections": [
4     {
5       "dynamicCollectionId": 6,
6       "dynamicCollectionName": "Daily News Feed - English"
7     },
8     {
9       "dynamicCollectionId": 764,
10      "dynamicCollectionName": "FDB Rolled up Drug Sheets"
11    },
12    {
13      "dynamicCollectionId": 179,
14      "dynamicCollectionName": "Integrated News: Asthma"
15    },
16    {
17      "dynamicCollectionId": 283,
18    }
19  ]
20}
  
```

Example: To retrieve all the documents/articles located in the Exit-WriterED\Diagnosis\Allergy node, use the following type of request:

GET

<https://api.krames.com/v3/content/search?collectionPath=ExitWriterED\Diagnosis\Allergy>

NOTE: Path values in JSON may need to be unescaped.

Please see the screenshot below for this API request.

Resource	GET - https://api.krames.com/v3/collection
Description	Retrieves the collections that are available in your license in JSON format.

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POSTMAN - API Call

```

1 {
2   "total": 52,
3   "collections": [
4     {
5       "rootSubtopicId": 47517,
6       "collectionName": "About This Site-v3.5"
7     },
8     {
9       "rootSubtopicId": 55432,
10      "collectionName": "Coronavirus_all_resources"
11    },
12    {
13      "rootSubtopicId": 29038,
14      "collectionName": "Exit-Writer Languages (KODI)"
15    },
16    {
17      "rootSubtopicId": 23884,
18    }
19  ]
20}
  
```

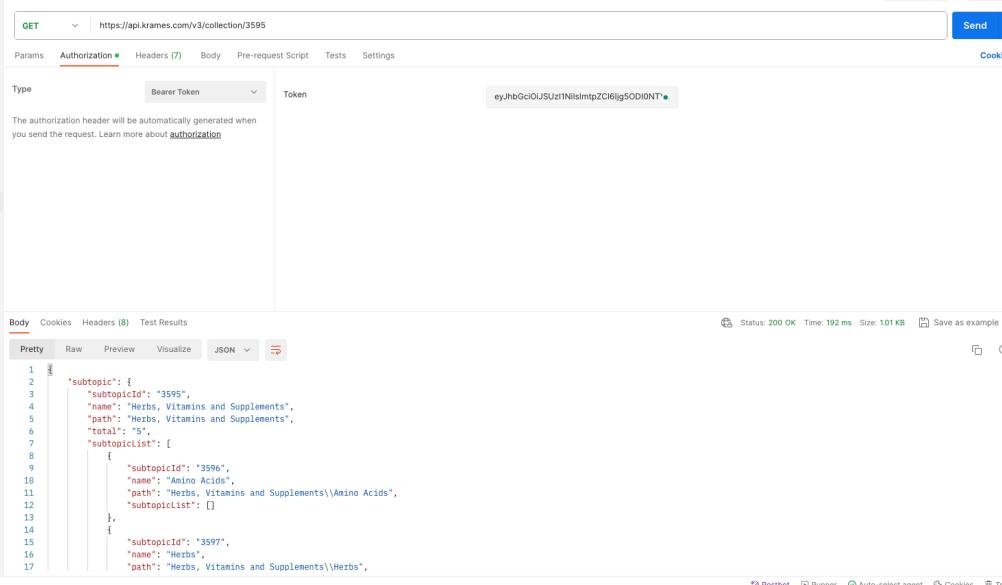
Parameters	None
Return Values	<p>200 Success</p> <pre>{ "total": 58, "collections": [{ "rootSubtopicId": 47517, "collectionName": "About This Site-v3.5" }, { "rootSubtopicId": 55432, "collectionName": "Coronavirus_all_resources" }, ...] }</pre>

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	<pre>500 { errors: [<String>] }</pre>
Resource	GET https://api.krames.com/v3/collection/{subtopicId}
Description	Retrieves the collections that are available subtopicid under a collection in your license
Parameters	subtopicId: one of the rootSubtopicIds from the call to the /v3/collection endpoint.
POSTMAN - API Call	 <pre>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17</pre>
Return Values	<p>200 Success</p> <pre>{ "subtopic": { "subtopicId": "3595", "name": "Herbs, Vitamins and Supplements", "path": "Herbs, Vitamins and Supplements", "total": "5", "subtopicList": [{ "subtopicId": "3596", "name": "Amino Acids", "path": "Herbs, Vitamins and Supplements\\Amino Acids", "subtopicList": [] }, { "subtopicId": "3597", "name": "Herbs", "path": "Herbs, Vitamins and Supplements\\Herbs", "subtopicList": [] }] } }</pre>

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```
"subtopicId": "3595",
"name": "Herbs, Vitamins and Supplements",
"path": "Herbs, Vitamins and Supplements",
"total": "5",
"subtopicList": [
  {
    "subtopicId": "3596",
    "name": "Amino Acids",
    "path": "Herbs, Vitamins and Supplements\\Amino Acids",
    "subtopicList": []
  },
  ...
]
}
500
{
  errors: [<String>]
}
```

Resource	GET https://api.krames.com/v3/content/search?collectionPath={{collectionPath}}
Description	An API endpoint that returns the entire number of articles under a Collection hierarchy in JSON format in your license.
Parameters	<code>{{collectionPath}}</code>

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POSTMAN - API Request

GET https://api.krames.com/v3/content/search?collectionPath=Greystone - Adult Conditions

Params: collectionPath

Query Params:

Key	Value	Description
collectionPath	Greystone - Adult Conditions	

Body:

```
1 "total": 1280,
2 "data": [
3   {
4     "title": "Gender Identity: Social Transitioning",
5     "ContentTypeID": 134,
6     "ContentID": "6d6",
7     "Sex": [
8       "Female",
9       "Male"
10    ],
11    "AgeBin": [
12      "Teen (12 - 18 yrs)",
13      "Adult (18+)"
14    ],
15    "Source": [
16      "SCC Diseases and Conditions"
17    ]
18  }
19]
```

Return Values

200 Success

```
[  
 {  
   "total": 11,  
   "data": [  
     {  
       "Title": "Food Sensitivity",  
       "ContentTypeID": 82,  
       "ContentID": "116092en",  
       "Sex": [  
         "Female",  
         "Male"  
       ],  
       "AgeBin": [  
         "Teen (12 - 18 yrs)",  
         "Adult (18+)"
       ]  
     }  
   ]  
 }
```

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```
"Infant (0 - 11 mo)",  
"Childhood (11 mo - 12 yrs)",  
"Teen (12 - 18 yrs)",  
"Adult (18+)",  
"Senior"  
,  
"Source": [  
    "Exit Writer Discharge Instructions"  
,  
    "MediaType": [  
        "Document"  
,  
        "Score": 9.780883,  
        "PopularityScore": 0  
    },  
    {  
        "Title": "Anaphylaxis",  
        "ContentTypeID": 82,  
        "ContentID": "115719en",  
        "Sex": [  
            "Female",  
            "Male"  
,  
        "AgeBin": [  
            "Teen (12 - 18 yrs)",  
            "Adult (18+)",  
            "Senior"  
,  
    ]},  
]
```

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```
"Source": [
    "Exit Writer Discharge Instructions"
],
"MediaType": [
    "Document"
],
"Score": 9.179846,
"PopularityScore": 0
},
...
]
500
{
  errors: [<String>]
}
}
```

Resource	GET https://api.krames.com/v3/content/82-116092en
Description	An API endpoint that returns the specific articles under a collection in JSON format.
Parameters	None

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POSTMAN - API Request

POSTMAN - API Request

The screenshot shows the POSTMAN interface with three separate requests:

- Request 1:** GET https://api.krames.com/v3/content/82-116092en. Returns a JSON object representing a document with fields like id, metadata, viewCount, contentTypeID, idStatus, blocked, isValid, createdDate, lastModifiedDate, lastReviewedDate, mediaType, publishedDate, languageCode, languageDirection, and language.
- Request 2:** GET https://api.krames.com/v3/content/82-116092en. Returns a JSON object representing a food sensitivity reaction with fields like body, closedCaptions, and transcript.
- Request 3:** GET https://api.krames.com/v3/content/82-116092en. Returns a large JSON object representing a food sensitivity reaction with detailed information about food intolerances and symptoms.

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Return Values	200 Success [{ "id": "82-116092en", "metadata": { "viewCount": 1, "contentTypeID": 82, "contentID": "116092en", "isCustom": false, "blocked": false, "isValid": true, "createdDate": "4/4/2008", "lastModifiedDate": "3/5/2022", "lastReviewedDate": "3/1/2022", "mediaType": "Document", "publishedDate": "3/5/2022 19:31:00", "languageCode": "en", "languageDirection": "ltr", "language": "English", "regularTitle": "Food Sensitivity", "nativeLanguageTitle": "Food Sensitivity", "invertedTitle": "", "blurb": "<p>A food sensitivity reaction (food intolerance) occurs if you eat foods that your body cannot digest properly. Food intolerance is often confused with a food allergy. Intolerance is from a lack of specific digestive enzymes. However, this is not an allergic reaction. Read on to learn more. </p>", "keywords": [] }]
---------------	---

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```
        },
        ...
    ]
500
{
  errors: [<String>]
}
}
```

Resource	GET https://api.krames.com/v3/content/82-116092en
Description	An API endpoint that returns the specific articles under a collection in JSON format for a Spanish article
Header	Accept-Language - es
Return Values	200 Success [{ "id": "82-116092en", "metadata": { "viewCount": 1, "contentTypeID": 82, "contentID": "116092en", "isCustom": false, "blocked": false, "isValid": true, "createdDate": "4/4/2008", "modifiedDate": "4/4/2008" } }]

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```
"lastModifiedDate": "3/5/2022",
"lastReviewedDate": "3/1/2022",
"mediaType": "Document",
"publishedDate": "3/5/2022 19:31:00",
"languageCode": "en",
"languageDirection": "ltr",
"language": "English",
"regularTitle": "Food Sensitivity",
"nativeLanguageTitle": "Food Sensitivity",
"invertedTitle": "",
"blurb": "<p>A food sensitivity reaction (food intolerance) occurs if you eat foods that your body cannot digest properly. Food intolerance is often confused with a food allergy. Intolerance is from a lack of specific digestive enzymes. However, this is not an allergic reaction. Read on to learn more. </p>",
"keywords": [
    ],
    ...
]
500
{
  errors: [<String>]
}
}
```

Search Content

Two search options: Term and Aggregates

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All Ignite Education content is tagged with metadata. The metadata is a list of key/value pairs. See the table above for the metadata associated with each content type.

Term Search

Searching by terms uses a full-text search over text fields like Title, Body, and Keywords. The Term search uses stemming, partial word matching, and synonyms.

Terms Search Examples for Query Parameters:

1. terms = Diabetes

There are 1982 articles for this license that contain the term diabetes in the Title, body, and keywords.

<https://api.krames.com/v3/content/search?terms=Diabetes>

The screenshot shows a POST request to <https://api.krames.com/v3/content/search?terms=Diabetes>. In the 'Params' tab, there is a single parameter 'terms' with a value of 'Diabetes'. The 'Body' tab displays the JSON response:

```
1  {
2     "total": 3839,
3     "data": [
4         {
5             "Title": "Name of Diabetes",
6             "ContentTypeID": 85,
7             "ContentID": "P00357",
8             "Sex": [
9                 "Female",
10                 "Male"
11             ],
12             "AgeGroup": [
13                 "Adult (18+)"
14             ],
15             "Source": [
16                 "Greystone Adult"
17             ]
18         }
19     ]
20 }
```

2. terms = Breast Cancer

There are 299 articles for this license which consist of the term Breast Cancer in Title, body and keywords.

Query Parameters:

terms = Breast Cancer

<https://api.krames.com/v3/content/search?terms=Breast%20Cancer>





The screenshot shows a Postman API client interface. At the top, it displays a GET request to the URL <https://api.krames.com/v3/content/search?terms=Breast%20Cancer>. Below the URL, there are tabs for Params, Authorization, Headers (7), Body, Pre-request Script, Tests, and Settings. The Params tab is selected, showing a table with one row for 'terms' where the value is 'Breast Cancer'. Under the Body tab, the response is displayed in JSON format:

```
1  "total": 9249,
2  "data": [
3    {
4      "Title": "Breast Cancer in Men",
5      "ContentTypeID": 85,
6      "ContentID": "P00150",
7      "Sex": [
8        "Male"
9      ],
10     "AgeBin": [
11       "Adult (18+)"
12     ],
13     "Source": [
14       "Greystone Adult"
15     ],
16     "MediaType": [
17   ]
```

The response status is 200 OK, with a time of 487 ms and a size of 1.14 MB. There is also a 'Save as example' button.

3. terms=Bladder Cancer

Query Parameters:

terms=Bladder Cancer

select = Title,ContentTypeID,ContentID,Source and collectionPath= Integrated Cancer Center\Specific Cancers\Bladder Cancer

collectionPath = Integrated Cancer Center\Specific Cancers\Bladder Cancer

There are 34 articles for this license which consist of the term Bladder Cancer and collectionPath= Integrated Cancer Center\Specific Cancers\Bladder Cancer in Title, body and keywords. This is more specific search to find articles under a collection folder

<https://api.krames.com/v3/content/search?terms=Bladder>

Cancer&select=Title,ContentTypeID,ContentID,Source and collectionPath= Integrated Cancer Center\Specific Cancers\Bladder Cancer&collectionPath=Integrated Cancer Center\Specific Cancers\Bladder Cancer

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Ignite™

The screenshot shows a Postman API client interface. The URL is <https://api.krames.com/v3/content/search?terms=Bladder%20Cancer&select=Title,ContentTypeID,ContentID,Source>. The request method is GET. The query parameters are:

Key	Value	Description
terms	Bladder Cancer	
select	Title,ContentTypeID,ContentID,Source	
collectionPath	Integrated Cancer Center\Specific Cancers\Bladder Cancer	

The response body is a JSON object with a "total" field set to 34, and a "data" field containing an array of article objects. Each object has fields: Title, ContentTypeID, ContentID, Score. Some examples from the array are:

```
1  {
2    "total": 34,
3    "data": [
4      {
5        "Title": "Bladder Cancer: Stages",
6        "ContentTypeID": 34,
7        "ContentID": "17219-1",
8        "Score": 270.6003
9      },
10     {
11       "Title": "Bladder Cancer: Symptoms",
12       "ContentTypeID": 34,
13       "ContentID": "17215-1",
14       "Score": 270.35538
15     },
16     {
17       "Title": "Bladder Cancer: Risk Factors",
18     }
19   ]
20 }
```

4. terms = sore throat

Query Params:

terms = sore throat

select = Title,ContentTypeID,ContentID,RxNORM,NDC,RxNorm,NDC,ICD10CM,SNOMED,LOINC,Source

There are 334 articles for this license which consist of the term sore throat in Title, body, and keywords.

<https://api.krames.com/v3/content/search?terms=sore>

<https://api.krames.com/v3/content/search?terms=sore&select=Title,ContentTypeID,ContentID,RxNORM,NDC,RxNorm,NDC,ICD10CM,SNOMED,LOINC,Source>

There are 4421 articles related to Sore throat

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The screenshot shows a Postman request for a GET API endpoint. The URL is `https://api.krames.com/v3/content/search?terms=sore throat&select=Title,ContentTypeID,ContentID,RxNORM,NDC,RxNorm,NDC,ICD10CM,SNOMED,LOINC,Source`. The 'Params' tab is selected, showing two query parameters: 'terms' (value: 'sore throat') and 'select' (value: 'Title,ContentTypeID,ContentID,RxNORM,NDC,RxNorm,NDC,ICD10CM,SNOMED,LOINC,Source'). The 'Body' tab displays the JSON response, which includes a 'total' field (4421) and a 'data' array containing article details. The 'Headers' tab shows the response headers: Status: 200 OK, Time: 351 ms, Size: 968.5 KB.

```
1   {
2     "total": 4421,
3     "data": [
4       {
5         "Title": "When You Have a Sore Throat",
6         "ContentTypeID": 3,
7         "ContentID": "40055",
8         "RxNORM": [],
9         "ICD10CM": [
10           "J02.0",
11           "J02.9",
12           "J04.0",
13           "J31.1",
14           "J31.2",
15           "R07.0"
16         ],
17         "NDC": []
18       }
19     ]
20   }
```

5. terms – fever, Covid-19

There are 3316 articles for this license which consist of the term fever, Covid-19 in Title, body and keywords.

Query Params:

terms = fever, Covid-19

<https://api.krames.com/v3/content/search?terms=fever,Covid-19>

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```
1  "total": 857,
2  "data": [
3    {
4      "title": "What Do You Know About Fever?",
5      "contentType": "article",
6      "ContentID": "FeverQuiz",
7      "AgeBin": [
8        {
9          "label": "Fever",
10         "value": "Fever"
11       },
12       {
13         "label": "AgeBin",
14         "value": "Child (0 - 11 mo)",
15         "AgeBin": [
16           "Childhood (11 mo - 32 yrs)",
17           "Teen (12 - 18 yrs)",
18           "Adult (18+ yrs)",
19           "Senior"
20         ]
21       }
22     ]
23   }
24 ]
```

Aggregate Filters

Aggregate filters are done using the aggregate buckets and values returned in the search results. These buckets and values are dynamic and will only include buckets and values that apply to the content contained in the current search results. Implementations of these filters should target buckets and values, not specific bucket names or specific values, as these will change with every search result.

Some examples of buckets:

- AgeBin: [[Infant (0–11 mo), Child (11 mo – 12 yrs), Teen (12–18 yrs), Adult (18–64 yrs), Senior (65)], if no value is specified, all resources are returned.

Query Params:

Terms – Cancer

AgeBin – Teen (12 – 18 yrs)

[https://api.krames.com/v3/content/search?terms=Cancer&AgeBin=Teen \(12 - 18 yrs\)&=](https://api.krames.com/v3/content/search?terms=Cancer&AgeBin=Teen%20(12%20-%2018%20yrs)&=)

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GET https://api.krames.com/v3/content/search?terms=Cancer&AgeBin=Teen (12 - 18 yrs)&=

Params Authorization Headers (7) Body Pre-request Script Tests Settings

Query Params

Key	Value	Description
terms	Cancer	
AgeBin	Teen (12 - 18 yrs)	

Body Cookies Headers (10) Test Results

Pretty Raw Preview Visualize JSON

```
1   {
2     "total": 29,
3     "data": [
4       {
5         "Title": "Pediatric Cancer: One Step at a Time",
6         "ContentTypeID": 182,
7         "ContentID": "52029",
8         "Sex": [
9           "Female",
10          "Male"
11        ],
12        "AgeBin": [
13          "Teen (12 - 18 yrs)"
14        ],
15        "Source": [
16          "ShareWIK: Patient Perspective"
17        ],
18      }
19    ]
20  }
```

Status: 200 OK Time: 179 ms Size: 54.56 KB Save as example

- Sex: [Male, Female], if no value is specified, all resources are returned.

Query Params:

Terms - Breast Cancer,

aggregate filter (sex) - Male

<https://api.krames.com/v3/content/search?terms=Breast%20Cancer&sex=Male>

This API call will retrieve all the articles related to the search terms “Breast Cancer” and aggregate filter (Sex = Male)

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The screenshot shows a Postman collection named "KramesAPI / 2. CoreContent". A GET request is made to the URL <https://api.krames.com/v3/content/search?terms=Breast%20Cancer&sex=Male>. The "Query Params" section contains two entries: "terms" with value "Breast Cancer" and "sex" with value "Male". The "Body" tab displays the JSON response:

```
1
2   "total": 150,
3   "data": [
4     {
5       "Title": "Breast Cancer in Men",
6       "ContentTypeID": 85,
7       "ContentID": "P00156",
8       "Sex": [
9         "Male"
10      ],
11      "AgeBin": [
12        "Adult (18+)"
13      ],
14      "Source": [
15        "Greystone Adult"
16      ],
17    }
18  ]
```

The response status is 200 OK, with a time of 244 ms and a size of 84.67 KB.

- MediaType: [Document, Streaming Media]

Query Params:

Terms - Cancer

AgeBin - Teen (12 - 18 yrs)

Mediatype - Video

[https://api.staging.krames.com/v3/content/search?terms=Cancer&AgeBin=Teen \(12 - 18 yrs\)&mediatype=Video](https://api.staging.krames.com/v3/content/search?terms=Cancer&AgeBin=Teen%20(12%20-%2018%20yrs)&mediatype=Video)

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GET https://api.krames.com/v3/content/search?terms=Cancer&AgeBin=Teen (12 - 18 yrs)&=&sortOrder=desc&sortField=relevance&limit=10

Params • Authorization • Headers (7) Body Pre-request Script Tests Settings

Query Params

Key	Value	Description	Build
<input checked="" type="checkbox"/> terms	Cancer		
<input checked="" type="checkbox"/> AgeBin	Teen (12 - 18 yrs)		
<input checked="" type="checkbox"/>			

Body Cookies Headers (10) Test Results

Pretty Raw Preview Visualize JSON ↻

```
1   "total": 29,
2   "data": [
3     {
4       "Title": "Pediatric Cancer: One Step at a Time",
5       "ContentTypeID": 182,
6       "ContentID": "S2029",
7       "Sex": [
8         "Female",
9         "Male"
10      ],
11      "AgeBin": [
12        "Teen (12 - 18 yrs)"
13      ],
14      "Source": [
15        "ShareWIK: Patient Perspective"
16      ],
17    }
  ]
```

Status: 200 OK Time: 179 ms Size: 54.56 KB Save as example

Postbot Runner Auto-select agent Cookies

- Sources: [HealthSheets, Custom Content Exit-Writer, ASHP Drug Sheets]. See complete list of content sources above

ASHP Drug Sheets API Call: [https://api.krames.com/v3/content/Search?Source=Drug Sheets](https://api.krames.com/v3/content/Search?Source=Drug%20Sheets)

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Screenshot of a REST API request in Postman:

Method: GET
URL: https://api.krames.com/v3/content/Search?Source=Drug Sheets

Headers: Authorization, Headers (6), Body, Scripts, Settings

Query Params:

Key	Value	Description
Source	Drug Sheets	

Body (Pretty JSON):

```
1 {
2   "total": 2014,
3   "data": [
4     {
5       "Title": "Anagrelide",
6       "ContentTypeID": 203,
7       "ContentID": "a601020",
8       "Sex": [
9         "Female",
10        "Male"
11      ],
12      "AgeBin": [
13        "Infant (0 - 11 mo)",
14        "Childhood (11 mo - 12 yrs)",
15        "Teen (12 - 18 yrs)",
16        "Adult (18+)",
17        "Senior"
18      ],
19      "Source": [
20        "Drug Sheets"
21      ],
22      "MediaType": [
23        "Document"
24      ],
25      "Score": 4.5473285,
26    }
27  ]
28}
```

Response Headers: Status: 200 OK, Time: 146 ms, Size: 3.96 KB, Save as example, etc.

Query Params:

Terms – Heart Disease

Source – Wellness Library

[https://api.krames.com/v3/content/search?terms=Heart Disease&Source=Wellness Library](https://api.krames.com/v3/content/search?terms=Heart%20Disease&Source=Wellness%20Library)

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The screenshot shows a Postman collection named "KramesAPI / 2. CoreContent". A GET request is selected with the URL <https://api.krames.com/v3/content/search?terms=Heart Disease&Source=Wellness Library>. The "Params" tab is active, showing query parameters: "terms" (Heart Disease) and "Source" (Wellness Library). The "Body" tab displays the JSON response:

```
1 {
2   "total": 215,
3   "data": [
4     {
5       "Title": "A Woman's Guide to Beating Heart Disease",
6       "ContentTypeID": 1,
7       "ContentID": "1998",
8       "Sex": [
9         "Female"
10      ],
11      "AgeBin": [
12        "Adult (18+)",
13        "Senior"
14      ],
15      "Source": [
16        "Wellness Library"
17      ],
18    }
19  ]
20 }
```

Custom Content Search: Below is the API call to search all the custom content in a license.

<https://api.krames.com/v3/content/search?Source=Client Content&=>

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KramesAPI / 2. CoreContent / SearchTerms

Save ⌘S

Send ⌘S

GET https://core-content-api.k8s.krames.com/v3/content/search?Source=Client Content&

Params Authorization Headers (7) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION
Source	Client Content	
Key	Value	Description

Body Cookies Headers (9) Test Results

Status: 200 OK Time: 302 ms Size: 3.75 KB Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "total": 31,
3   "data": [
4     {
5       "Title": "Diagnosis and Classification of Diabetes",
6       "ContentTypeID": 22,
7       "ContentID": "Bia_DM_classificationdiagnosis",
8       "Sex": [
9         "Female",
10        "Male"
11      ],
12      "AgeBin": [
13        "Adult (18+)"
14      ],
15      "Source": [
16        "Client Content"
17      ],
18      "MediaType": [
19        "Document"
20      ]
21    }
22  ]
23}
```

custom

Code Filters

Filtering by code supports content retrieval using standard clinical lexicons such as ICD-10-CM, ICD-10-PCS, SNOMED, CPT, LOINC, HCPCS, NDC and RxNORM. These codes are applied using query string parameters, but are not present in the Aggregate Filters. To utilize these filters, the client must have knowledge of what code they intend to search on, as the search results do not contain this information.

Query Params: SNOMED - 10633002

KramesAPI / Client Response API / searchTerms

Save

GET https://api.staging.krames.com/v3/content/search?SNOMED=10633002&select=Title,ContentTypeID,ContentID,SNOMED

Params Authorization Headers (6) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> SNOMED	10633002	
<input checked="" type="checkbox"/> select	Title, ContentTypeID,ContentID,SNOMED	

Body Cookies Headers (10) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
2     "total": 56,
3     "data": [
4         {
5             "Title": "Medications for Heart Failure",
6             "ContentID": "T4687",
7             "SNOMED": [
8                 "140214982",
9                 "140214983",
10                "11321980175108",
11                "1248819801191984",
12                "1248819801191985",
13                "1248819801191986",
14                "134375899",
15                "134375900",
16                "161585883",
17                "233419801119109",
18                "2868819801191987",
19                "27511980175107",
20                "314266893",
21                "364609",
22                "398884885",
23                "398884886",
24                "398885897",
25                "398885898",
26                "398885899"
27            ]
28        }
29    ]
30 }
```

Status: 200 OK Time: 589 ms Size: 102.07 KB [Save Response](#)

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Query Params -MESH - D010051 and ICD10CM – C56

The screenshot shows a POST request to `https://api.staging.krames.com/v3/content/search?MESH=D010051&ICD10CM=C56&select=Title,MESH,ICD10CM`. The 'Query Params' section contains three checked items: MESH (value D010051), ICD10CM (value C56), and select (value Title,MESH,ICD10CM). The 'Body' tab displays the JSON response:

```
1 {  
2   "total": 9,  
3   "data": [  
4     {  
5       "title": "Ovarian Cancer: Tests After Diagnosis",  
6       "ICD10CM": [  
7         "C56",  
8         "C56.1",  
9         "C56.2",  
10        "C56.9",  
11        "C79.6",  
12        "C79.60",  
13        "C79.61",  
14        "C79.62",  
15        "D39.1",  
16        "D39.10",  
17        "D39.11",  
18        "D39.12"  
19      ],  
20      "MESH": [  
21        "D010051"  
22      ]  
23    }  
24  ]  
25 }
```

Pagination

By default, search results are returned in pages of 10, starting at the first page. To paginate through the content, the `limit` and `offset` parameters are available.

Setting the `limit` parameter will change the page size, and setting the `offset` will change where you are in the results.

The search results include a `total` value that indicates the total number of records in the result set. Using this `total`, `limit`, and `offset`, full pagination of the search results is available.

There are 4 examples listed below on how to use limit parameters and one example with limit and offset.

1. No limit parameters.
This will pull the first 10 results in the search query for the terms=cancer

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KramesAPI / 2. CoreContent / SearchTerms

GET https://api.krames.com/v3/content/search?terms=cancer

Params Authorization Headers (7) Body Pre-request Script Tests Settings Cookies

Query Params

Key	Value	Description	...	Bulk Edit
terms	cancer			
Key	Value	Description		

Body Cookies Headers (10) Test Results

Pretty Raw Preview Visualize JSON

```
1 "total": 4870,
2 "data": [
3   {
4     "Title": "Anal Cancer: Stages",
5     "ContentTypeID": 34,
6     "ContentID": "18990-1",
7     "Sex": [
8       "Female",
9       "Male"
10      ],
11     "AgeBin": [
12       "Adult (18+)"
13      ],
14     "Source": [
15       "Cancer Source"
16     ]
17   }
18 ]
```

Status: 200 OK Time: 345 ms Size: 988.85 KB Save as example

2. Limit parameters set to >10 and <100

The below API call will retrieve first limit-20 results for the search term = cancer.

<https://api.krames.com/v3/content/search?terms=cancer&limit=20>

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PrismaCloud / KramesAPI / SearchTerms

GET https://api.krames.com/v3/content/search?terms=cancer&limit=20

Params Authorization Headers (7) Body Pre-request Script Tests Settings Cookies

Query Params

Key	Value	Description	Bulk Edit
<input checked="" type="checkbox"/> terms	cancer		
<input checked="" type="checkbox"/> limit	20		
Key	Value	Description	

Body Cookies Headers (10) Test Results

Pretty Raw Preview Visualize JSON

```

1   "total": 4870,
2   "data": [
3     {
4       "Title": "Anal Cancer: Stages",
5       "ContentTypeID": 34,
6       "ContentID": "18990-1",
7       "Sex": [
8         "Female",
9         "Male"
10      ],
11      "AgeBin": [
12        "Adult (18+)"
13      ],
14      "Source": [
15

```

Status: 200 OK Time: 299 ms Size: 991.01 KB Save as example

3. limit parameter set to >100

<https://api.krames.com/v3/content/search?terms=cancer&limit=200>

The maximum resultset in an API call will always be 100. The below API call will only first pull 100 titles with the term cancer even if the limit is set to 200.

KramesAPI / Client Response API / SearchTerms

GET https://api.staging.krames.com/v3/content/search?terms=cancer&limit=200

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

Query Params

KEY	VALUE	DESCRIPTION	Bulk Edit
<input checked="" type="checkbox"/> terms	cancer		
<input checked="" type="checkbox"/> limit	200		
Key	Value	Description	

Body Cookies Headers (10) Test Results

Pretty Raw Preview Visualize JSON

```

1   "total": 3109,
2   "data": [
3     {
4       "Title": "What Is Penile Cancer?",
5       "ContentTypeID": 34,
6       "ContentID": "18961-1",
7       "Sex": [
8         "Male"
9       ],
10      "AgeBin": [
11        "Adult (18+)"
12      ],
13      "Source": [
14        "Cancer Source"
15      ],
16      "MediaType": [
17        "Document"
18      ],
19

```

Status: 200 OK Time: 449 ms Size: 978.49 KB Save Response

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4. limit parameter set to >10 and offset>2

<https://api.krames.com/v3/content/search?terms=cancer&limit=10&offset=2>

offset will change where you are in the resultset and will pull the first ten results from that location

The screenshot shows a Postman request configuration and its resulting JSON response. The request URL is `https://api.krames.com/v3/content/search?terms=cancer&limit=10&offset=2`. In the 'Params' tab, three parameters are selected: 'terms' (value: cancer), 'limit' (value: 10), and 'offset' (value: 2). The response body is a JSON object with the following structure:

```
1  {
2   "total": 4870,
3   "data": [
4     {
5       "Title": "Bile Duct Cancer: Stages",
6       "ContentTypeID": 34,
7       "ContentID": "18858-1",
8       "Sex": [
9         "Female",
10        "Male"
11      ],
12      "AgeBin": [
13        "Adult (18+)"
14      ],
15      "Source": [
16        "Cancer Source"
17      ]
18    }
19  ]
```

The response status is 200 OK, and the total size of the response is 988.86 KB.

Selecting Fields

By default, the results contain the following fields:

1. Title
2. ContentTypeID
3. ContentID
4. Sex
5. AgeBin
6. Source
7. MediaType
8. Score (This is an internal field that represents the relevancy score)

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The fields that are selected when a search is executed can be specified using the select parameter. `GET /v3/content/Search?select=Title,ContentTypeID,ContentID` would return only those 3 fields.

Available fields for selecting include:

- CollectionID
- RXNORM
- ICD10CM
- ICD10PCS
- NDC
- MediaType
- MESH
- SNOMED
- HCPCS
- CPT
- LOINC
- ICD9
- Language
- Blurb
- Keywords

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KramesAPI / 2. CoreContent / SearchTerms

Set as variable: ***

GET https://core-content-api.ignite.krames.com/v2/content/search?term=more+thirst&select=Title,ContentType,ContentID,IsNorm,NDC,RxNorm,ADCC,ICD10CM,SNOMED,LOINC,Source

Params Authorization Headers (7) Body Pre-request Script Tests Settings

Query Params

KEY	VALUE
terms	more+thirst
select	Title,ContentType,ContentID,IsNorm,NDC,RxNorm,ADCC,ICD10CM,SNOMED,LOINC,Source
Key	Value

Body Cookies Headers (10) Test Results

Pretty Raw Preview Visualize JSON

```
1 [  
2   {  
3     "total": 439,  
4     "date": "2024-01-11T14:14:00Z",  
5     "titles": ["When You Have a Severe Thirst"],  
6     "ContentTypes": [],  
7     "ContentIDs": [],  
8     "IsNorms": [],  
9     "NDCs": [],  
10    "ADCCs": [  
11      "202",  
12      "203",  
13      "204",  
14      "205",  
15      "206",  
16      "207",  
17      "208",  
18    ],  
19    "ICD10CMs": [],  
20    "SNOMEDs": [  
21      "162297003",  
22      "287302003",  
23      "273000000",  
24      "393100007",  
25      "66080000",  
26      "216421205",  
27      "216421305",  
28      "216421405",  
29      "233237010",  
30      "253238010",  
31      "253239010",  
32      "253240010",  
33      "253241010",  
34      "253242010",  
35      "253243010",  
36      "253244010",  
37      "414746010",  
38      "414747010",  
39      "447703010",  
40      "462703010",  
41      "54537010",  
42      "65987010",  
43      "668363014",  
44      "697272013",  
45      "77001013",  
46      "77001013",  
47      "77001013",  
48      "77001013",  
49      "780063014",  
50    ],  
51    "LOINCs": [],  
52    "Scores": 109.28526
```

Content & Terms blocking

The RESTful API now supports content & term blocking. This functionality prevents results to be displayed or that specific content from showing up in the response of the search endpoint. To enable this functionality, please reach out to the Ignite Education implementation team with the list of terms or content you want to be blocked from the search endpoint.

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Technical Specifications

Resource	GET /v3/content/Search
Description	The core search endpoint for searching content.
Parameters	<p>HTTP Headers:</p> <p><code>accepts-language</code> the content language, default to <code>en</code>.</p> <p>Querystring Parameters (all optional):</p> <pre>language: en //Overwrites any accepts-language header, defaults to 'en' terms: <String> rxnorm: [<String>, <String>] sex: [<String>, <String>] icd10pcs: [<String>, <String>] icd10cm: [<String>, <String>] snomed: [<String>, <String>] hcpcs: [<String>, <String>] ndc: [<String>, <String>] mesh: [<String>, <String>] loinc: [<String>, <String>] ageBin: [<String>, <String>] cptcode: [<String>, <String>] source: [<String>, <String>] mediatype: [<String>, <String>] select: [<String>, <String>] icd9code: [<String>, <String>] limit: <Integer> // Default: 10 offset: <Integer> // Default: 0 select: [<String>, <String>]</pre>
Return Values	<p>200 Success</p> <pre>{ "total": 217, "data": [{ "title": <String>, "contentType": <String>, "contentId": <String>, "aggregations": [<String: Aggregation Name>: [<String></pre>

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```
        ],
        ...
        "score": 7.0069566
    }
],
"aggregations": [
    {
        "name": "Aggregation Name",
        "aggregationValues": {
            "abc": 209,
            "xyz": 193
        }
    }
]
}
500
{
    errors: [<String>]
}
```

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Content Retrieval

API Calls	Parameters
https://api.krames.com/	
https://api.krames.com/v3/collection	
https://api.krames.com/v3/collection/{subtopicId}	subtopicId
https://api.krames.com/v3/content/search?collectionPath={{collectionPath}}	collectionPath
https://api.krames.com/v3/content/{ContentTypeID}-{ContentID}	ContentTypeID and ContentID
https://api.krames.com/v3/service_line	
https://api.krames.com/KODI_Sigmoid/Content.svc/GetAllServicelineAudiences	
https://api.krames.com/v3/content/search?terms={keyword}	Terms={keywords}
https://api.krames.com/v3/content/search?terms={keywords}&select=Title,ContentTypeID,ContentID,Source and Cancer&collectionPath={collectionPath}	Terms, select, collectionPath
https://api.krames.com/v3/content/search?terms={keyword}&select=Title,ContentTypeID,ContentID,RxNORM,NDC,RxNorm,NDC,ICD10CM,SNOMED,LOINC,Source	
https://api.krames.com/v3/content/search?terms={keywords}&select=Title,ContentTypeID,ContentID,RxNORM,NDC,RxNorm,NDC,ICD10CM,SNOMED,LOINC,Source	Terms, select
https://api.krames.com/v3/content/search?terms={keywords}&AgeBin={AgeBin}	Terms, AgeBin

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<code>https://api.krames.com/v3/content/search?terms={keywords}&sex={GENDER}</code>	Terms, sex
<code>https://api.krames.com/v3/content/search?terms={Keywords}&AgeBin={AgeBin}&mediatype={mediatype}</code>	Terms, sex, mediatype
<code>https://api.krames.com/v3/content/search?terms={keywords}&Source={SourceName}</code>	Terms, Source
<code>https://api.krames.com/health</code>	

Use Cases

Related Content

Related content can be obtained by using MeSH codes from either a Get Content request, or by selecting the MeSH codes in the search response, and executing a second search request using the MeSH code as a filter. The resulting search results would include documents related to the source content.

Example:

Perform a search:

```
GET /v3/content/Search?terms=diabetes
```

Select a document and retrieve:

```
GET /v3/content/123-1234
```

In the response from the get content call, we can see a MeSH code in the metadata of that response. We could display this document to a user, along with related documents, by executing a search using the MeSH code that was present in the document:

Get related content:

```
GET /v3/content/Search?MESH=98765
```

The results returned from this related content search can be displayed along with the contents of the document being displayed to inform the user of other content that is related to the document they are looking at.

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Type 2 Diabetes

What is type 2 diabetes?

Type 2 diabetes is when your body can't make enough insulin, or use it well. Insulin helps your cells use sugar (glucose) for energy. Without insulin, glucose builds up in your blood. This leads to high blood sugar.

Type 2 diabetes is an ongoing (chronic) disease. It has no known cure. It's the most common type of diabetes.

What causes type 2 diabetes?

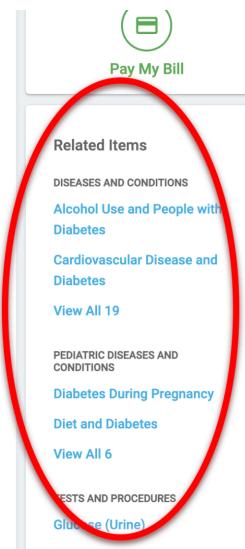
The exact cause of type 2 diabetes is not known. It seems to run in families. But it often takes other factors to bring on the disease. These include:

- Being overweight
- Not getting enough physical activity
- Taking certain medicines

Who is at risk for type 2 diabetes?

Risk factors include:

- **Age.** People ages 45 and older are at higher risk for diabetes.





APPENDIX

Each content resource is identified by a Content Type ID (numeric code) and a Source which is the text description of the Content Type ID.

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Clinical Content

The table below provides detailed information on each content Source and Content Type ID included in a typical Clinical user license. The content included in a specific client's license may be different. Only licensed content will be available through the API.

Note: The number of resources and languages will be continually updated with each content update. The information provided below is for illustrative purposes only.

Consult the *Quarterly Content Update documentation* for current content counts and language support.

Source	Standard Description	Content Type ID	Possible Metadata <i>Note: Assigned metadata depends on the topic</i>
Health Sheets	Patient Education documents that provide education on conditions, self-management and treatment options.	3	MeSH, ICD-10-CM, ICD-10-PCS, SNOMED, CPT, LOINC, HCPCS, Serviceline, Age Bin, Sex, Keywords
Exit-Writer Discharge Instructions	Discharge documents that provide patients with about a common diagnosis or health concern with information on when to seek additional care.	82	MeSH, ICD-10-CM, ICD-10-PCS, SNOMED, CPT, LOINC, HCPCS, Serviceline, Age Bin, Sex, Keywords
Lab Tests	Documents that help patients understand procedures and lab tests and range of results (normal, below and above normal ranges).	167	MeSH, ICD-10-CM, ICD-10-PCS, SNOMED, CPT, LOINC, HCPCS, Serviceline, Age Bin, Sex, Keywords
Greystone - Pediatric	Patient Education focussed on conditions, treatment, and self-management options and the special needs of pediatric patients.	90	MeSH, ICD-10-CM, ICD-10-PCS, SNOMED, CPT, LOINC, HCPCS, Serviceline, Age Bin, Sex, Keywords

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Drug Sheets	Documents that provide people with information about prescription drugs.	203	RxNORM, NDC
Disease Management	Selected resources only. Chronic condition resources.	56	MeSH, ICD-10-CM, ICD-10-PCS, SNOMED, CPT, LOINC, HCPCS, Serviceline, Age Bin, Sex, Keywords
Greystone Adult	Selected resources only. Patient Education documents that provide education on conditions, self-management and treatment options.	85	MeSH, ICD-10-CM, ICD-10-PCS, SNOMED, CPT, LOINC, HCPCS, Serviceline, Age Bin, Sex, Keywords
Scc Diseases and Conditions	Selected resources only.	134	MeSH, ICD-10-CM, ICD-10-PCS, SNOMED, CPT, LOINC, HCPCS, Serviceline, Age Bin, Sex, Keywords
Wellness Library	Selected resources only.	1	MeSH, ICD-10-CM, ICD-10-PCS, SNOMED, CPT, LOINC, HCPCS, Serviceline, Age Bin, Sex, Keywords
Cancer Source	Selected resources only.	34	MeSH, ICD-10-CM, ICD-10-PCS, SNOMED, CPT, LOINC, HCPCS, Serviceline, Age Bin, Sex, Keywords
Scc Diseases and Conditions - Pediatric	Selected resources only.	160	MeSH, ICD-10-CM, ICD-10-PCS, SNOMED, CPT, LOINC, HCPCS, Serviceline, Age Bin, Sex, Keywords
Scc Tests and Procedures	Selected resources only. Documents that help patients understand procedures and lab tests and range of results.	135	MeSH, ICD-10-CM, ICD-10-PCS, SNOMED, CPT, LOINC, HCPCS, Serviceline, Age Bin, Sex, Keywords

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Greystone Tests and Procedures	Selected resources only.	92	MeSH, ICD-10-CM, ICD-10-PCS, SNOMED, CPT, LOINC, HCPCS, Serviceline, Age Bin, Sex, Keywords
Scc Tests and Procedures - Pediatric	Selected resources only. Documents that help patients understand procedures and lab tests and range of results.	161	MeSH, ICD-10-CM, ICD-10-PCS, SNOMED, CPT, LOINC, HCPCS, Serviceline, Age Bin, Sex, Keywords
Kids Health Discharge Instructions	Optional: Available for additional licensing. 3rd Party content focussed on conditions, treatment, and self-management options and the special needs of pediatric patients.	187	MeSH, ICD-10-CM, ICD-10-PCS, SNOMED, CPT, LOINC, HCPCS, Serviceline, Age Bin, Sex, Keywords
Ignite Education Clinical Videos - Includes Step-by-step animation videos	Ignite Education videos that address common conditions, teach self-management skills.	138	MeSH, ICD-10-CM, ICD-10-PCS, SNOMED, CPT, LOINC, HCPCS, Serviceline, Age Bin, Sex, Keywords
TWN Videos	TWN videos that address common conditions, teach self-management skills.	207	MeSH, ICD-10-CM, ICD-10-PCS, SNOMED, CPT, LOINC, HCPCS, Serviceline, Age Bin, Sex, Keywords
ViewMedica Videos	Third party videos to educate patients on how to administer specific medications.	198	
VUCA Videos: Administration	Third party videos to educate patients on how to administer specific medications.	192	Keyword

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VUCA Videos: Condition	Third party videos to educate patients on medications for specific conditions.	193	Keyword
VUCA Videos: Medication	Third party videos to educate patients on medications.	194	RxNORM, NDC
KidsHealth Videos	Third party videos to educate patients on how to administer specific medications. KidsHealth Videos can be used within Krames on FHIR, too.	202	
Video HealthSheet	Printable description of a video, including abstract, QR code and short URL.	188	MeSH, ICD-10-CM, ICD-10-PCS, SNOMED, CPT, LOINC, HCPCS, Serviceline, Age Bin, Sex, Keywords
The Wellness Network Video HealthSheets	Printable description of a video, including abstract, QR code and short URL	209	
ViewMedica VideoSheets	Printable description of a video, including abstract, QR code and short URL	200	
KidsHealth Video Sheets	Printable description of a video, including abstract, QR code and short URL.	204	
VUCA Video Sheets	Printable description of a video, including abstract, QR code and short URL	201	
Client's Custom Content	Customized documents specific to a client.	22	Determined by each client

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Consumer Resources

Clients may also license content from the Consumer Health Library. The table below provides detailed information on the Content Source and corresponding Content Type ID and possible metadata. The content listed below represents the content included for a typical consumer use case. The content included in a specific client's license may be different. Only licensed content will be available through the API.

Content Type Name	Standard Description	Content Type ID	Possible Metadata <i>Note: Actual metadata depends on the topic</i>
Wellness Library	Education focussed on lifestyle and wellness topics.	1	MeSH, Serviceline, Keywords
ICM Health & Wellness	Consumer Education documents that provide education on conditions, self-management and treatment options.	197	MeSH, Serviceline, Keywords
Prevention Planner	Consumer Education documents that provide education on preventive services.	43	MeSH, Serviceline, Keywords
Greystone Adult * Has Segments	Consumer Education documents that provide education on conditions, self-management and treatment options.	85	MeSH, Serviceline, Keywords
Scc Diseases and Conditions * Has Segments	Consumer Education documents that provide education on conditions, self-management and treatment options.	134	MeSH, Serviceline, Keywords

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Lab Tests	Documents that help patients understand procedures and lab tests and range of results.	167	MeSH, Serviceline, Keywords
Scc Tests and Procedures * Has Segments	Documents that help patients understand procedures and lab tests.	135	MeSH, Serviceline, Keywords
Greystone Tests and Procedures * Has Segments	Documents that help patients understand lab tests	92	MeSH, Serviceline, Keywords
Scc Diseases and Conditions - Pediatric * Has Segments	Consumer Education documents that provide education on conditions, self-management and treatment options for pediatric patients.	160	MeSH, Serviceline, Keywords
Greystone Pediatrics * Has Segments	Education focussed on conditions, treatment, and self-management options and the special needs of pediatric patients.	90	MeSH, Serviceline, Keywords
Scc Tests and Procedures -Pediatric * Has Segments	Education focussed on Tests and Procedures options and the special needs of pediatric patients.	161	MeSH, Serviceline, Keywords
Disease Management	Chronic condition resources.	56	MeSH, Serviceline, Keywords
Recipes	Variety of healthier-option recipes.	30	MeSH, Serviceline, Keywords

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Cancer Source	Education focussed on cancer-related topics	34	MeSH, Serviceline, Keywords
Cancer FAQs	Education focussed on cancer-related topics.	35	
Quizzes	Interactive resources.	40	MeSH, Serviceline, Keywords
Risk Assessments	Interactive resources.	42	MeSH, Serviceline, Keywords
Calculators	Interactive resources.	41	MeSH, Serviceline, Keywords
Greystone Newsletters	Newsletter style resources.	88	Keywords
Ignite Education Clinical Videos Includes approximately 100 Step-by-step animation videos	Ignite Education videos that address common conditions, teach self-management skills.	138	MeSH, ICD-10-CM, ICD-10-PCS, SNOMED, CPT, LOINC, HCPCS, Serviceline, Age Bin, Sex, Keywords
Client's Custom Content	Customized documents specific to a client.	22	Determined by client
Drug Sheets	Third-party brand and generic prescription ASHP drug content.	203 - New 208 - Old	RxNORM, NDC
Nutrition Facts	Third party content with nutrition facts for common foods.	20	

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Nutritional Supplement Advisor	Third-party content with information on dietary supplements.	19	
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Languages

Ignite Education provides content in 3 language sets: basic, plus, and premium, depending on the content source. See the table below for the content type associated with a language. Note that some specific resources may be offered in additional languages.

Content Source	Standard Languages: (ISO639)		Optional Languages, depend on the specific resource	
Basic Language	EN ES	English Spanish		
Plus Language	ZH ZH-C N DE RU VI	Chinese Chinese Simplified German Portuguese Russian Vietnamese		
Premium Language	AR FR HT HI IT JO KO PL TGL	Arabic French Haitian-Creole Hindi Italian Japanese Korea Polish Tagalog		
LabSheets	en es	English Spanish		
ASHP Drug Sheets	en es	English Spanish		
Ignite Education Clinical Videos	en es	English Spanish		
Step-by-step animation Videos (Ignite Education Clinical Video collection)	en es	English Spanish		

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Consumer Health Library	en	English		Selected titles are available in Spanish
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Segmented Content

Segmented content is available for the content sources below.

Please note: Not all articles in the Source below contain segments. The segments are not required. For example, “Call 911” may not be available for all conditions.

Source	Available Segments
Greystone Adult Greystone Pediatric Scc Diseases and Conditions	Overview Causes Symptoms Diagnosis Treatment Prevention Living With When to Call a Healthcare Provider Call 911 Key Points Next Steps
Greystone Tests and Procedures Scc Tests and Procedures Scc Tests and Procedures - Pediatric	Overview Purpose Risks Preparation During the Test After the Test Next Steps

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