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API Document

[GroupNameAPI](#)

Base URL

[base_url](#): <https://9qa0etj35i.execute-api.ap-southeast-2.amazonaws.com/GroupNameAPI>

GET

[base_url/v1.0/articles](#)

Find articles containing information about one or more cases of a disease and / or syndrome based on query parameters, and if no parameters are entered, article list will be returned.

Parameters

Parameter	Required	Type	Description	Example
location	Required	String	Location that articles will focus on	New_York
key_term	Required	[String]	List of string with separator as ,	Measles,Lung_Injury
period_of_interest	Required	[start_date, end_date]	period of published articles to return	22-03-17T20:33:40,22-04-18T21:23:52
start_date	Required	String (YY-MM-DDTHH:MM:SS)	Start date for query	22-03-17T20:33:40
end_date	Required	String (YY-MM-DDTHH:MM:SS)	End date for query	22-04-18T21:23:52
limit	Optional	Int	number of articles to return, limit=0 or don't provide means no limit	5

Response

200

Sample Request

```
base_url/v1.0/articles?
location=New_York&key_term=measles&period_of_interest=15-10-01T08:45:
10&period_of_interest=22-11-01T19:37:12&limit=0
```

Response

```
{
  "status": 200,
  "message": "successful operation"
  "Articles": [
    {
      "team_name": "string",
      "access_time": "string",
      "url": "string",
      "status": 200,
      "message": "successful operation"
      "team_name": "string",
      "access_time": "string",
      "url": "string",
      "date_of_publication": "string",
      "header": "string",
      "main_text": "string",
      "reports": [
        {
          "event_date": "string",
          "locations": [
```

```

        {
          "country": "string",
          "location": "string"
        }
      ],
      "diseases": [
        "string"
      ],
      "syndromes": [
        "string"
      ],
      "cases": "integer",
      "deaths": "integer",
      "hospitalizations": "integer"
    }
  ]
}

```

204

Sample Request

```

base_url/v1.0/articles?
location=SENG3011&key_term=ebola&period_of_interest=00-03-17T20:33:
40,22-04-18T21:23:52

```

Response

```

{
  "status": 204,
  "message": "Content Not Found"
}

```

400

Sample Request

```

base_url/v1.0/articles?location="Beni"
&key_term=ebola&period_of_interest=22-04-18T21:23:52,00-03-17T20:33:40

```

Response

```
{
  "status": 400,
  "message": "Invalid Query Parameter Value\n 1. Check the number of
parameters\n 2. Check the position of parameters\n 3. Check the type of
parameters\n 4. Check the value of parameters
}
```

404

Sample Request

```
base_url/v1.0/articles/location="Beni"
&key_term=ebola&period_of_interest=00-03-17T20:33:40,22-04-18T21:23:52
```

Response

```
{
  "status": 404,
  "message": "Page/URL does not exist"
}
```

base_url/v1.0/index

Find articles based on query parameters, and if no parameters are passed in, index list will be returned.

Parameters

Parameter	Required	Type	Description	Example
location	Required	String	Location that articles will focus on	London
key_term	Required	[String]	List of string with separator as ,	salmonella,measles,hantavirus
period_of_interest	Required	[start_date, end_date]	period of published articles to return	22-03-17T20:33:40,22-04-18T21:23:52
start_date	Required	String (YY-MM-DDTHH:MM:SS)	Start date for query	22-03-17T20:33:40
end_date	Required	String (YY-MM-DDTHH:MM:SS)	End date for query	22-04-18T21:23:52

Results of key_terms searched not in list, [salmonella, measles, hantavirus, ebola] will be shown as string

Response

200

Sample Request

```
base_url/v1.0/index?location=Beni&key_term=ebola&period_of_interest=00-03-17T20:33:40&period_of_interest=22-04-18T21:23:52
```

Response

```
{
  "status": 200,
  "message": "successful operation"
  "Articles": [
    {
      "team_name": "string",
      "access_time": "string",
      "url": "string",
      "status": 200,
      "message": "successful operation"
      "team_name": "string",
      "access_time": "string",
      "url": "string",
      "date_of_publication": "string",
      "header": "string",
      "main_text": "string",
      "reports": [
        {
          "event_date": "string",
          "locations": [
            {
              "country": "string",
              "location": "string"
            }
          ],
          "diseases": [
            "string"
          ],
          "syndromes": [
            "string"
          ],
          "cases": "integer",
          "deaths": "integer",
          "hospitalizations": "integer"
        }
      ]
    }
  ]
}
```

Sample Request

```
base_url/v1.0/index?
location=SENG3011&key_term=ebola&period_of_interest=00-03-17T20:33:
40,22-04-18T21:23:52
```

Response

```
{
  "status": 204,
  "message": "Content Not Found"
}
```

400

Sample Request

```
base_url/v1.0/index?location="Beni"
&key_term=ebola&period_of_interest=22-04-18T21:23:52,00-03-17T20:33:40
```

Response

```
{
  "status": 400,
  "message": "Invalid Query Parameter Value\n 1. Check the number of
parameters\n 2. Check the position of parameters\n 3. Check the type of
parameters\n 4. Check the value of parameters"
}
```

404

Sample Request

```
base_url/v1.0/index/location="Beni"
&key_term=ebola&period_of_interest=00-03-17T20:33:40,22-04-18T21:23:52
```

Response

```
{
  "status": 404,
```

```
{
  "message": "Page/URL does not exist"
}
```

base_url/v1.0/covid

Find articles based on query parameters, and if no parameters are passed in, index list will be returned.

Parameters

Parameter	Required	Type	Description	Example
state	Optional	String	State Desired to Search	Shanghai
country	Required	String	Country Desired to Search	Thailand
date	Required	String (DD-MM-YYYY)	Date Desired to Search	22-01-2020

Response

200

Sample Request

```
base_url/v1.0/covid?country=US&date=02-02-2020
```

Response

```
{
  "team_name": "string",
  "access_time": "string",
  "url": "string",
  "Confirmed": integer,
  "Recovered": integer,
  "Deaths": integer
}
```

204

Sample Request

```
base_url/v1.0/covid?state=SENG3011
```

Response

```
{
  "status": 204,
```

```
{
  "message": "Content Not Found"
}
```

400

Sample Request

```
base_url/v1.0/covid?date=20-1-2
```

Response

```
{
  "status": 400,
  "message": "Invalid Query Parameter Value\n 1. Check the number of\n parameters\n 2. Check the position of parameters\n 3. Check the type of\n parameters\n 4. Check the value of parameters"
}
```

404

Sample Request

```
base_url/v1.0/covid/location=SENG3011
```

Response

```
{
  "status": 404,
  "message": "Page/URL does not exist"
}
```

APIs and Dataset

- [CDC Outbreaks](#): Infectious disease outbreaks reported on by CDC
- [CDC Index](#): Navigational and informational tool of CDC
- [Coronavirus dataset](#): Dataset for latest Covid-19 cases from January to February 2020

Swagger

```
swagger: "2.0"
```



```

info:
  version: "1.0.0"
  title: "GroupNameAPI"
  description: "A Swagger Document to learn the structure and use of
GroupNameAPI.\n GroupNameAPI is aimed to help user easily track and
analyse the recent health and medical news"
  termsOfService: "http://swagger.io/terms/"
  contact:
    email: "apiteam@swagger.io"
  license:
    name: "Apache 2.0"
    url: "http://www.apache.org/licenses/LICENSE-2.0.html"
host: "9qa0etj35i.execute-api.ap-southeast-2.amazonaws.com"
basePath: "/GroupNameAPI"
produces:
  - "application/json"
tags:
- name: "articles"
  description: "Find articles containing information about one or more
cases of a disease and / or syndrome based on query parameters"
- name: "index"
  description: "Find articles based on query parameters, and if no
parameters are passed in, index list will be returned."
schemes:
- "https"
- "http"
paths:
  /v1.0/articles:
    get:
      tags:
        - "articles"
      summary: "Finds Articles based on Query"
      description: "Returns a list of articles"
      operationId: "ArticleSearch"
      parameters:
        - name: "location"
          in: "query"
          description: "Location that articles will focus on\n For
example: London"
          required: true
          type: "string"
        - name: "key_term"
          in: "query"
          description: "List of string with separator as ,\n For example:
[MERS,COVID,death]"
          required: true
          type: "array"
          items:
            type: "string"
          collectionFormat: "multi"

```

```

- name: "period_of_interest"
  in: "query"
  description: "period of published articles to return\n For
example: [22-03-17T20:33:40, 22-04-18T21:23:52]"
  required: true
  type: "array"
  items:
    type: "string"
    format: "YY-MM-DDTHH:MM:SS"
    collectionFormat: "multi"
- name: "limit"
  in: "query"
  description: "Number of articles to return\n For example: 5"
  required: false
  type: "integer"
responses:
  "200":
    description: "successful operation"
    schema:
      $ref: "#/definitions/Articles"
  "204":
    description: "Content Not Found"
  "400":
    description: "Invalid Query Parameter Value\n 1. Check the
number of parameters\n 2. Check the position of parameters\n 3. Check
the type of parameters\n 4. Check the value of parameters"
  "404":
    description: "Page/URL does not exist"
/v1.0/index:
  get:
    tags:
      - "index"
    summary: "Finds Articles based on Query Parameters"
    description: "Returns a list of articles or an index"
    operationId: "IndexSearch"
    parameters:
      - name: "location"
        in: "query"
        description: "Location that articles will focus on\n For
example: London"
        required: true
        type: "string"
      - name: "key_term"
        in: "query"
        description: "List of string with separator as ,\n Results of
terms searched except examples will be shown as string\n For example:
[salmonella,measles,hantavirus,ebola]"
        required: true
        type: "array"
        items:

```

```

        type: "string"
        # enum: ["salmonella","measles","hantavirus","ebola"]
        collectionFormat: "multi"
-   name: "period_of_interest"
    in: "query"
    description: "period of published articles to return\n For
example: [22-03-17T20:33:40, 22-04-18T21:23:52]"
    required: true
    type: "array"
    items:
        type: "string"
        format: "YY-MM-DDTHH:MM:SS"
        collectionFormat: "multi"
    responses:
        "200":
            description: "successful operation"
            schema:
                $ref: "#/definitions/Articles"
        "204":
            description: "Content Not Found"
        "400":
            description: "Invalid Query Parameter Value\n 1. Check the
number of parameters\n 2. Check the position of parameters\n 3. Check
the type of parameters\n 4. Check the value of parameters"
        "404":
            description: "Page/URL does not exist"
/v1.0/covid:
    get:
        tags:
            - "covid"
        summary: "Finds Number of Cases"
        description: "Returns a list of number of cases"
        operationId: "CasesSearch"
        parameters:
            - name: "state"
              in: "query"
              description: "City Desired to Search\n For example: Shanghai"
              required: false
              type: "string"
            - name: "country"
              in: "query"
              description: "Country Desired to Search\n For example: Thailand"
              required: true
              type: "string"
            - name: "date"
              in: "query"
              description: "Date Desired to Search\n For example: 2020-01-22"
              required: true
              type: "string"
              format: "DD-MM-YYYY"

```

```
responses:
  "200":
    description: "successful operation"
    schema:
      $ref: "#/definitions/Covid"
  "204":
    description: "Content Not Found"
  "400":
    description: "Invalid Query Parameter Value\n 1. Check the
number of parameters\n 2. Check the position of parameters\n 3. Check
the type of parameters\n 4. Check the value of parameters"
  "404":
    description: "Page/URL does not exist"
definitions:
  Location:
    properties:
      country:
        type: string
      location:
        type: string
  Disease:
    properties:
      disease:
        type: string
  Syndrome:
    properties:
      syndrome:
        type: string
  Report:
    properties:
      event_date:
        type: string
      locations:
        type: array
        items:
          $ref: "#/definitions/Location"
      diseases:
        type: array
        items:
          $ref: "#/definitions/Disease"
      syndromes:
        type: array
        items:
          $ref: "#/definitions/Syndrome"
      cases:
        type: integer
      deaths:
        type: integer
      hospitalizations:
        type: integer
```

```
Article:
  properties:
    team_name:
      type: string
    access_time:
      type: string
    url:
      type: string
    date_of_publication:
      type: string
    header:
      type: string
    main_text:
      type: string
    reports:
      type: array
      items:
        $ref: "#/definitions/Report"
Articles:
  type: array
  items:
    $ref: "#/definitions/Article"
Covid:
  properties:
    team_name:
      type: string
    access_time:
      type: string
    url:
      type: string
    Confirmed:
      type: integer
    Recovered:
      type: integer
    Deaths:
      type: integer
```



swagger.yaml



swagger.json