

# COVID-19 Graph - Knowledge Dashboard API Doc

## 1. 各国新冠疫情数据接口：

### Description

*Request real-time epidemic data after multi-source integration in all regions (countries/provinces/states/counties).  
Updated every 5 mins.*

### URL

<https://covid-dashboard.aminer.cn/api/dist/epidemic.json>

### Request method

*GET*

### Request params

*Empty*

### Response data format

*JSON*

### Response data

```
{
  [COUNTRY|PROVINCE|COUNTY]: {
    "begin": "YYYY-mm-dd",
    "data": [
      [CONFIRMED, SUSPECTED, CURED, DEAD, SEVERE, RISK, inc24]
    ]
  }
}
```

```
}  
}
```

COUNTRY|PROVINCE|COUNTY:代表国家、省、市，如：China|Hebei|Shijiazhuang，表示石家庄的数据，也有一些代表国家或直辖市的数据则只有一项或两项，如：China, China|Beijing，需注意类似于北京市的数据是还有更细的片区的数据，如：China|Beijing|Fengtai District，务必不要搞混。

“begin”:表示开始统计疫情数据的那一天，从“begin”开始的日期到今天的数据均存储在“data”中，“data”的第i项表示从begin开始的第i天累计的数据，故如需看最新数据只需看data中最后一条数据即可。

“CONFIRMED”, “CURED”, “DEAD”均为累计值，“SEVERE”, “RISK”, “inc24”这三个数据基本为0或NULL，可不予考虑。

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## 2. 新冠新闻、事件接口：

### Description

*Request data for all events (news, papers, etc.), including title, type, language, date, geo, entities, risk influence, etc.  
Updated every 5 mins.*

### URL

<https://covid-dashboard.aminer.cn/api/dist/events.json>

### Request method

*GET*

### Request params

*Empty*

### Response data format

*JSON*

### Response data

```
{
  "tflag",
  "datas": [
    {
      "_id",
      "type",
      "title",
      "category",
      "time",
      "lang",
      "geoInfo": [
        {
          "originText",
          "geoName",
          "latitude",
          "longitude"
        }
      ],
      "influence"
    }
  ]
}
```

tflag:时间标识符，可不用考虑

\_id:数据唯一标识符(即Event\_id)

type: 最新的数据只有news和paper两种，代表新闻和论文，较早的数据还有event这种类型，代表事件，在做附加功能时需要处理这类数据。

title: 新闻标题或论文标题。

category: 基本只有“疫情”一种。列表分类时可以按照“type”进行分类

time: 时间，所有数据按照时间排序，即最后的数据最新

lang: 语种

influence: 影响力，最新的新闻没有该项，可忽略

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### 3. 新冠新闻正文接口：

#### Description

*Request event details by id.*

#### URL

[https://covid-dashboard-api.aminer.cn/event/\[id\]](https://covid-dashboard-api.aminer.cn/event/[id])

## Request method

*GET*

## Request params

Param	Required	Type	Description
id	true	number	Event_id

## Response data format

*JSON*

## Example

Url:

```
https://covid-dashboard.aminer.cn/api/event/5f05f3f69fced0a24b2f84ee
```

Response:

```
{
  "data": {
    "_id": "5f05f3f69fced0a24b2f84ee",
    "category": "",
    "content": "HELSINKI, July 8 (Xinhua) -- Finnish think tank Sitra said on We",
    "date": "Wed, 08 Jul 2020 15:54:59 GMT",
    "entities": [
      {
        "label": "hufvudstadsbladet",
        "url": "http://xlore.org/instance/eni451410"
      },
      {
        "label": "sitra",
        "url": "http://xlore.org/instance/eni820264"
      },
      {
        "label": "think tank",
```

```
    "url": "http://xlore.org/instance/eni18475"
  },
  {
    "label": "xinhua",
    "url": "http://xlore.org/instance/eni126120"
  },
  {
    "label": "finns",
    "url": "http://xlore.org/instance/eni240847"
  },
  {
    "label": "helsinki",
    "url": "http://xlore.org/instance/eni6431"
  },
  {
    "label": "finnish",
    "url": "http://xlore.org/instance/eni4929"
  },
  {
    "label": "epidemic",
    "url": "https://covid-19.aminer.cn/kg/class/epidemic"
  },
  {
    "label": "COVID-19",
    "url": "https://covid-19.aminer.cn/kg/resource/R332"
  }
],
"geoInfo": [
  {
    "geoName": "Snoma Finnish Cemetery",
    "latitude": "44.63303",
    "longitude": "-103.68491",
    "originText": "Finnish"
  },
  {
    "geoName": "Republic of Finland",
    "latitude": "64",
    "longitude": "26",
    "originText": "Finland"
  }
],
"id": "xinhua13919810411110320",
"influence": 0.2758120058205174,
"lang": "en",
"related_events": [
  {
    "id": "5ec2d4809fced0a24b8e6b2d",
    "score": 0.9113580346658512
  },
]
```

```
{
  {
    "id": "5ee0cd1c9fced0a24b4f42ba",
    "score": 0.899462472807494
  },
  {
    "id": "5e9ded0a9fced0a24b5bc270",
    "score": 0.8976683557998417
  },
  {
    "id": "5ec7cdad9fced0a24bf35d30",
    "score": 0.8971055445251076
  },
  {
    "id": "5eb2d44b9fced0a24b741872",
    "score": 0.8966782151341071
  },
  {
    "id": "5ec57e959fced0a24b5fbc91",
    "score": 0.8949342654876311
  },
  {
    "id": "5ec16df09fced0a24bec32b9",
    "score": 0.894795169443423
  },
  {
    "id": "5e94b3c09fced0a24bf01117",
    "score": 0.8938918557235777
  },
  {
    "id": "5eb964d39fced0a24bd491eb",
    "score": 0.8933007474044586
  },
  {
    "id": "5e95fb919fced0a24b9e9d26",
    "score": 0.8932850056281226
  }
],
"seg_text": "finn believ crisi give boost scienc helsinki , juli 8 ( xinhua
"source": "XINHUANET",
"tflag": 1594225654814,
"time": "2020-07-08 23:54:59",
"title": "Finns believe crisis gives boost to science",
"type": "news",
"urls": [
  "http://www.xinhuanet.com/english/2020-07/08/c_139198104.htm"
]
},
"status": true
}
```

---

## 4. 新冠图谱实体搜索接口：

### Description

*Search entities by name.*

### URL

<https://innovaapi.aminer.cn/covid/api/v1/pneumonia/entityquery>

### Request method

*GET*

### Request params

Param	Required	Type	Description
entity	true	string	Search name

### Response data format

*JSON*

### Example

Url:

```
https://innovaapi.aminer.cn/covid/api/v1/pneumonia/entityquery?entity=病毒
```

Response :

```
{
  "code": 0,
  "msg": "success",
  "data": [
```

```

{
  "hot": 0.8565082756257479,
  "label": "病毒",
  "url": "https://covid-19.aminer.cn/kg/class/virus",
  "abstractInfo": {
    "enwiki": "",
    "baidu": "病毒是一种个体微小，结构简单，只含一种核酸（DNA或RNA），必须在活细胞",
    "zhwiki": "",
    "COVID": {
      "properties": {
        "定义": "1种独特的传染因子",
        "特征": "自主地复制",
        "包括": "拟病毒、类病毒和病毒粒子",
        "生存条件": "活的宿主细胞",
        "传播方式": "感染",
        "应用": "疫苗、细胞工程、基因工程"
      },
      "relations": [
        {
          "relation": "父类",
          "url": "https://covid-19.aminer.cn/kg/class/heterotroph",
          "label": "异养生物",
          "forward": true
        },
        {
          "relation": "属于",
          "url": "https://covid-19.aminer.cn/kg/resource/R24957",
          "label": "威金蠕虫变种go",
          "forward": false
        },
        {
          "relation": "属于",
          "url": "https://covid-19.aminer.cn/kg/resource/R24929",
          "label": "黄热病病毒",
          "forward": false
        }
      ]
    }
  },
  "img": "https://bking.cdn.bcebos.com/pic/2e2eb9389b504fc2b9419de6e4dde7",
},
{
  "hot": 0.9006935163127712,
  "label": "新型冠状病毒",
  "url": "https://covid-19.aminer.cn/kg/resource/R25833",
  "abstractInfo": {
    "enwiki": "",
    "baidu": "",
    "zhwiki": "",

```



```

    "COVID": {
      "properties": {
        "潜伏期": "1-14天，多为3-7天",
        "鉴别诊断": "主要与流感病毒、副流感病毒、腺病毒、呼吸道合胞病毒、鼻病毒",
        "实验室检查": "发病早期外周血白细胞总数正常，淋巴细胞计数减少，部分患者",
        "基本传染指数": "2.2",
        "胸部影像学": "早期呈现多发小斑片影及间质改变，以肺外带明显。进而发展为",
        "生理机能": "体外分离培养时，2019-nCoV 96个小时左右即可在人呼吸道上皮",
        "死亡率": "14",
        "基因特征": "其基因特征与SARSr-CoV和MERSr-CoV有明显区别。目前研究显",
        "结构": "有包膜，颗粒呈圆形或者椭圆形，常为多形性，直径60-140nm。"
      },
      "relations": [
        {
          "relation": "疑似宿主",
          "url": "https://covid-19.aminer.cn/kg/resource/R250",
          "label": "中华菊头蝠",
          "forward": true
        },
        {
          "relation": "导致",
          "url": "https://covid-19.aminer.cn/kg/resource/R332",
          "label": "新型冠状病毒肺炎",
          "forward": true
        },
        {
          "relation": "疑似传播途径",
          "url": "https://covid-19.aminer.cn/kg/resource/R25867",
          "label": "气溶胶传播",
          "forward": true
        }
      ]
    },
    "img": null
  },
  {
    "hot": 0.8477689919705503,
    "label": "冠状病毒",
    "url": "https://covid-19.aminer.cn/kg/class/coronavirus",
    "abstractInfo": {
      "enwiki": "",
      "baidu": "冠状病毒在系统分类上属套式病毒目（Nidovirales）冠状病毒科（Coronaviridae）",
      "zhwiki": "",
      "COVID": {
        "properties": {},
        "relations": [
          {
            "relation": "父类",

```

```

        "url": "https://covid-19.aminer.cn/kg/resource/R5636",
        "label": "RNA病毒",
        "forward": true
    },
    {
        "relation": "属于",
        "url": "https://covid-19.aminer.cn/kg/resource/R26286",
        "label": "mers病毒",
        "forward": false
    }
]
}
},
"img": "https://bking.cdn.bcebos.com/pic/94cad1c8a786c9175889eec0c23d70c",
},
{
    "hot": 0.5465496393744452,
    "label": "病毒性感染",
    "url": "https://covid-19.aminer.cn/kg/resource/R5612",
    "abstractInfo": {
        "enwiki": "",
        "baidu": "能在人体寄生繁殖，并能致病的病毒引起的传染病。主要表现有发热、头痛、全",
        "zhwiki": "",
        "COVID": {
            "properties": {
                "传染性": "有",
                "常见病因": "病毒感染",
                "临床表现": "发热、头痛、全身不适等中毒症状及局部症状"
            },
            "relations": [
                {
                    "relation": "医学专科",
                    "url": "https://covid-19.aminer.cn/kg/resource/R980",
                    "label": "感染科",
                    "forward": true
                },
                {
                    "relation": "属于",
                    "url": "https://covid-19.aminer.cn/kg/class/virus",
                    "label": "病毒",
                    "forward": true
                },
                {
                    "relation": "常见病因",
                    "url": "https://covid-19.aminer.cn/kg/resource/R9292",
                    "label": "猪水疱性口炎",
                    "forward": false
                }
            ]
        }
    }
}
]

```

```

    }
  },
  "img": null
},
{
  "hot": 0.40852213226701445,
  "label": "病毒疫苗",
  "url": "https://covid-19.aminer.cn/kg/resource/R15076",
  "abstractInfo": {
    "enwiki": "",
    "baidu": "",
    "zhwiki": "",
    "COVID": {
      "properties": {},
      "relations": [
        {
          "relation": "属于",
          "url": "https://covid-19.aminer.cn/kg/class/drug",
          "label": "药物",
          "forward": true
        }
      ]
    }
  },
  "img": null
}
]
}

```

url: 实体唯一标识符

label: 实体名字

enwiki,baidu,zhiwiki: 其中一个会有数据, 描述实体

COVID: 新冠图谱对该实体的描述, property表示实体属性, relation表示实体与其他实体关系。

forward: 表示实体与其他实体关系的方向, 以病毒, 异养生物两个实体和父类为例子, forward为true, 即异养生物是病毒的父类, 若forward为false(假设), 则病毒是异养生物的父类

img: 该实体的图片, 有时为空。

## 5. 新冠知疫学者接口:

### Description

*Get COVID-19 experts.*

### URL

[https://innovaapi.aminer.cn/predictor/api/v1/valhalla/highlight/get\\_ncov\\_experts\\_list?v=2](https://innovaapi.aminer.cn/predictor/api/v1/valhalla/highlight/get_ncov_experts_list?v=2)

## Request method

GET

## Response data format

JSON

## Example

```
{
  "status": 0,
  "message": "success",
  "data": [
    {
      "aff": {},
      "avatar": "https://static.aminer.cn/upload/avatar/1273/1967/1116/53f4495cdabfaeb22f4cc34d",
      "bind": false,
      "id": "53f4495cdabfaeb22f4cc34d",
      "indices": {
        "activity": 32.7103,
        "citations": 11939,
        "diversity": 4.2613,
        "gindex": 100,
        "hindex": 48,
        "newStar": 2.1675,
        "pubs": 519,
        "risingStar": 2.1675,
        "sociability": 7.8339
      },
      "name": "Nanshan Zhong",
      "name_zh": "钟南山",
      "num_followed": 5,
      "num_viewed": 7053,
      "profile": {
        "address": "",
        "affiliation": "国家呼吸系统疾病临床医学研究中心/国家卫健委/广州呼吸疾病研究所",
        "affiliation_zh": "中华医学会",
        "bio": "钟南山（1936.10.20- ）呼吸病学学家。福建厦门人。1960年毕业于北京医科大学。1960年到广州医学院（现中山大学）并留校任教。1970年到广州医学",
        "edu": "1960年毕业于北京医学院（现北京大学医学部）并留校任教。1970年到广州医学",
        "email": ""
      }
    }
  ]
}
```

```
"email_cr": "",
"emails_u": [
  {
    "address": "nanshan@vip.163.com",
    "src": "google",
    "weight": 0.90591705
  },
  {
    "address": "nanshan@vip.163.com",
    "src": "google",
    "weight": 0.4261646
  },
  {
    "address": "zhxwwk@mail.sysu.edu.cn",
    "src": "google",
    "weight": 0.21653663
  },
  {
    "address": "jianwang1986@yahoo.com",
    "src": "google",
    "weight": 0.06067852
  },
  {
    "address": "suhua333333@163.com",
    "src": "google",
    "weight": 0.052163094
  },
  {
    "address": "cjbme@vip.tom.com",
    "src": "google",
    "weight": 0.052163094
  }
],
"fax": "",
"homepage": "http://www.cae.cn/cae/html/main/colys/71145511.html ",
"note": "教育来源https://baike.baidu.com/item/%E9%92%9F%E5%8D%97%E5%B",
"phone": "",
"position": "中国工程院院士、主任、组长",
"work": "1960.07-1971.08北京医学院放射医学教研组 助教\n1971.09-1974.04广外",
},
"score": 1,
"sourcetype": "person",
"tags": [
  "Asthma",
  "Biomedical Research",
  "Bioinformatics",
  "COPD",
  "Chronic Obstructive Pulmonary Disease",
  "China",
```

```
        "Epidemiology",
        "Risk Factor",
        "Cough",
        "Airway Inflammation",
        "Lung Cancer",
        "Lung-Function",
        "Medicine",
        "Air Pollution",
        "Pulmonary Disease",
        "Eosinophil",
        "Physics",
        "Chronic Cough",
        "Chemistry",
        "Biology"
    ],
    "tags_score": [
        30,
        19,
        19,
        18,
        14,
        14,
        12,
        11,
        11,
        9,
        8,
        8,
        8,
        8,
        8,
        8,
        7,
        7,
        7,
        7,
        7
    ],
    "index": 0,
    "tab": 0,
    "is_passedaway": false
},
```

avatar: 学者头像

id:唯一标识符

activity: 学术活跃度

citations: 引用数

diversity: 多样性

gindex: g指数

hindex: h指数

newStar,risingStar: 学术合作

sociability: 社会性

is\_passedaway: 是否是追忆学者

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如需更多接口服务请查阅文档

[https://github.com/AMinerOpen/covid\\_dashboard/blob/master/API.md](https://github.com/AMinerOpen/covid_dashboard/blob/master/API.md)