

## REST API Endpoints

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### US totals by date

Request	Endpoint	Parameters
Put	ec2-3-83-230-148.compute-1.amazonaws.com:8080/api/data/UpToDate	None

#### Example Response

Updates database to be up to date on all available data.

### US totals by date

Request	Endpoint	Parameters
Get	ec2-3-83-230-148.compute-1.amazonaws.com:8080/api/data/USByDate	date (String yyyy-MM-dd)

#### Example Response

```

{
  "_id": {
    "$oid": "60527b8c193891657cf67c6f"
  },
  "date": "2021-01-01",
  "stats": [
    {
      "cases": 20053028,
      "deaths": 346301,
      "hospitalized": 0,
      "hospitalizedCur": 809,
      "hospitalizedCum": 0,
      "hospitalizedInc": 0,
      "newCases": 146483,
      "newDeaths": 1902
    }
  ]
}

```

## US totals by date range

Request	Endpoint	Parameters
Get	ec2-3-83-230-148.compute-1.amazonaws.com:8080/api/data/USByDateRange	start (String: yyyy-MM-dd) end (String: yyyy-MM-dd)

### Example Response

```

[
  {
    "_id": {
      "$oid": "60527b8b193891657cf6702b"
    },
    "date": "2021-01-02",
    "stats": [
      {
        "cases": 20343526,
        "deaths": 348668,
        "hospitalized": 0,
        "hospitalizedCur": 810,
        "hospitalizedCum": 0,
        "hospitalizedInc": 0,

```

```

    "newCases": 290498,
    "newDeaths": 2367
  }
],
{
  "_id": {
    "$oid": "60527b8c193891657cf67c6f"
  },
  "date": "2021-01-01",
  "stats": [
    {
      "cases": 20053028,
      "deaths": 346301,
      "hospitalized": 0,
      "hospitalizedCur": 809,
      "hospitalizedCum": 0,
      "hospitalizedInc": 0,
      "newCases": 146483,
      "newDeaths": 1902
    }
  ]
}
]

```

## All States data by date

Request	Endpoint	Parameters
Get	ec2-3-83-230-148.compute-1.amazonaws.com:8080/api/data/AllStatesByDate	date (String: yyyy-MM-dd)

### Example Response

```

{
  "_id": {
    "$oid": "60527b8c193891657cf67c6e"
  },
  "date": "2021-01-01",
  "states": [
    {
      "id": "60527b8b193891657cf67055",
      "name": "Washington",
      "stats": [
        {
          "cases": 251585,
          "deaths": 3523,
          "hospitalized": 14748,
          "hospitalizedCur": 1138,

```

```

    "hospitalizedCum": 14748,
    "hospitalizedInc": 177,
    "newCases": 521,
    "newDeaths": 0
  }
]
},
{
  "id": "60527b8b193891657cf670be",
  "name": "Illinois",
  "stats": [
    {
      "cases": 966287,
      "deaths": 17979,
      "hospitalized": 0,
      "hospitalizedCur": 3992,
      "hospitalizedCum": 0,
      "hospitalizedInc": 0,
      "newCases": 447,
      "newDeaths": 0
    }
  ]
},
... continues for all states, truncated for document size
]
}

```

## One State data by date

Request	Endpoint	Parameters
Get	ec2-3-83-230-148.compute-1.amazonaws.com:8080/api/data/OneStateByDate	date (String: yyyy-MM-dd) state (String: State name)

### Example Response

```

{
  "_id": {
    "$oid": "60527b8c193891657cf67bff"
  },
  "date": "2021-01-01",
  "state": {
    "id": "60527b8c193891657cf67bbb",
    "name": "Alabama",
    "stats": [
      {

```

```

    "cases": 365747,
    "deaths": 4872,
    "hospitalized": 34373,
    "hospitalizedCur": 2815,
    "hospitalizedCum": 34373,
    "hospitalizedInc": 189,
    "newCases": 4521,
    "newDeaths": 45
  }
],
"counties": [
  {
    "id": "60527b8c193891657cf67bbc",
    "name": "Calhoun",
    "stats": [
      {
        "cases": 9584,
        "deaths": 157,
        "hospitalized": 0,
        "hospitalizedCur": 0,
        "hospitalizedCum": 0,
        "hospitalizedInc": 0,
        "newCases": 90,
        "newDeaths": 1
      }
    ]
  }
],
... continues for all counties, truncated for document size

```

## State (with counties data) by date range

Request	Endpoint	Parameters
Get	ec2-3-83-230-148.compute-1.amazonaws.com:8080/api/data/StateWithCountiesByDateRange	start (String: yyyy-MM-dd) end (String: yyyy-MM-dd) state (String: State name)

### Example Response

```

[
  {
    "_id": {
      "$oid": "60527b8b193891657cf66fbb"
    },
    "date": "2021-01-02",
  }
]

```

```

"state": {
  "id": "60527b8b193891657cf66f77",
  "name": "Alabama",
  "stats": [
    {
      "cases": 369458,
      "deaths": 4872,
      "hospitalized": 34373,
      "hospitalizedCur": 2815,
      "hospitalizedCum": 34373,
      "hospitalizedInc": 0,
      "newCases": 3711,
      "newDeaths": 0
    }
  ],
  "counties": [
    {
      "id": "60527b8b193891657cf66f78",
      "name": "Calhoun",
      "stats": [
        {
          "cases": 9692,
          "deaths": 157,
          "hospitalized": 0,
          "hospitalizedCur": 0,
          "hospitalizedCum": 0,
          "hospitalizedInc": 0,
          "newCases": 108,
          "newDeaths": 0
        }
      ]
    }
  ]
} ... continues with all counties and dates in range given, truncated for size

```

## State (without counties data) by date range

Request	Endpoint	Parameters
Get	ec2-3-83-230-148.compute-1.amazonaws.com:8080/api/data/StateNoCountiesByDateRange	start (String: yyyy-MM-dd) end (String: yyyy-MM-dd) state (String: State name)

### Example Response

```

[
  {
    "_id": {
      "$oid": "60527b8b193891657cf66fbb"
    }
  },

```

```

"date": "2021-01-02",
"state": {
  "id": "60527b8b193891657cf66f77",
  "name": "Alabama",
  "stats": [
    {
      "cases": 369458,
      "deaths": 4872,
      "hospitalized": 34373,
      "hospitalizedCur": 2815,
      "hospitalizedCum": 34373,
      "hospitalizedInc": 0,
      "newCases": 3711,
      "newDeaths": 0
    }
  ]
},
{
  "_id": {
    "$oid": "60527b8c193891657cf67bff"
  },
  "date": "2021-01-01",
  "state": {
    "id": "60527b8c193891657cf67bbb",
    "name": "Alabama",
    "stats": [
      {
        "cases": 365747,
        "deaths": 4872,
        "hospitalized": 34373,
        "hospitalizedCur": 2815,
        "hospitalizedCum": 34373,
        "hospitalizedInc": 189,
        "newCases": 4521,
        "newDeaths": 45
      }
    ]
  }
}
]
}

```

## One County data by date

Request	Endpoint	Parameters
Get	ec2-3-83-230-148.compute-1.amazonaws.com:8080/api/data/CountyByDate	date (String: yyyy-MM-dd) state (String: State name) county (String: County name)

### Example Response

[

```

{
  "_id": {
    "$oid": "60527b8c193891657cf67bff"
  },
  "date": "2021-01-01",
  "state": {
    "counties": [
      {
        "id": "60527b8c193891657cf67bbc",
        "name": "Calhoun",
        "stats": [
          {
            "cases": 9584,
            "deaths": 157,
            "hospitalized": 0,
            "hospitalizedCur": 0,
            "hospitalizedCum": 0,
            "hospitalizedInc": 0,
            "newCases": 90,
            "newDeaths": 1
          }
        ]
      }
    ]
  }
}
]

```

## One County data by date range

Request	Endpoint	Parameters
Get	ec2-3-83-230-148.compute-1.amazonaws.com:8080/api/data/CountyByDateRange	start (String: yyyy-MM-dd) end (String: yyyy-MM-dd) state (String: State name) county (String: County name)



## Example Response

```
[
  {
    "_id": {
      "$oid": "60527b8b193891657cf66fbb"
    },
    "date": "2021-01-02",
    "state": {
      "counties": [
        {
          "id": "60527b8b193891657cf66f78",
          "name": "Calhoun",
          "stats": [
            {
              "cases": 9692,
              "deaths": 157,
              "hospitalized": 0,
              "hospitalizedCur": 0,
              "hospitalizedCum": 0,
              "hospitalizedInc": 0,
              "newCases": 108,
              "newDeaths": 0
            }
          ]
        }
      ]
    }
  },
  {
    "_id": {
      "$oid": "60527b8c193891657cf67bff"
    },
    "date": "2021-01-01",
    "state": {
      "counties": [
        {
          "id": "60527b8c193891657cf67bbc",
          "name": "Calhoun",
          "stats": [
            {
              "cases": 9584,
              "deaths": 157,
              "hospitalized": 0,
              "hospitalizedCur": 0,
              "hospitalizedCum": 0,
              "hospitalizedInc": 0,
              "newCases": 90,
              "newDeaths": 1
            }
          ]
        }
      ]
    }
  }
]
```

```
[
  ]
}
```

## US Population

Request	Endpoint	Parameters
Get	ec2-3-83-230-148.compute-1.amazonaws.com:8080/api/data/USPopulation	None

## All States Population

Request	Endpoint	Parameters
Get	ec2-3-83-230-148.compute-1.amazonaws.com:8080/api/data/AllStatesPopulation	None

## One State Population

Request	Endpoint	Parameters
Get	ec2-3-83-230-148.compute-1.amazonaws.com:8080/api/data/StatePopulation	state (String: State name)