

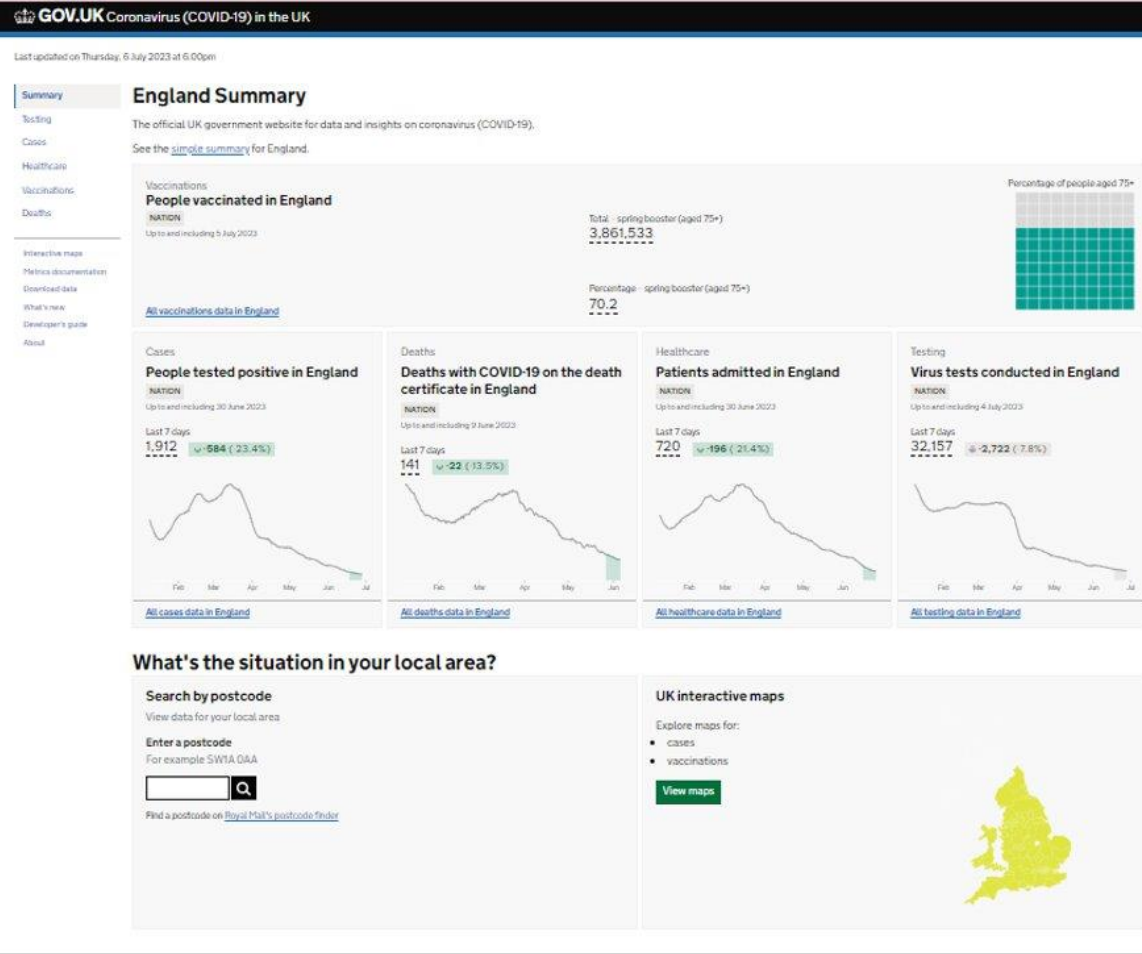


UK Health
Security
Agency

Data Dashboard

UKHSA Conference 2023

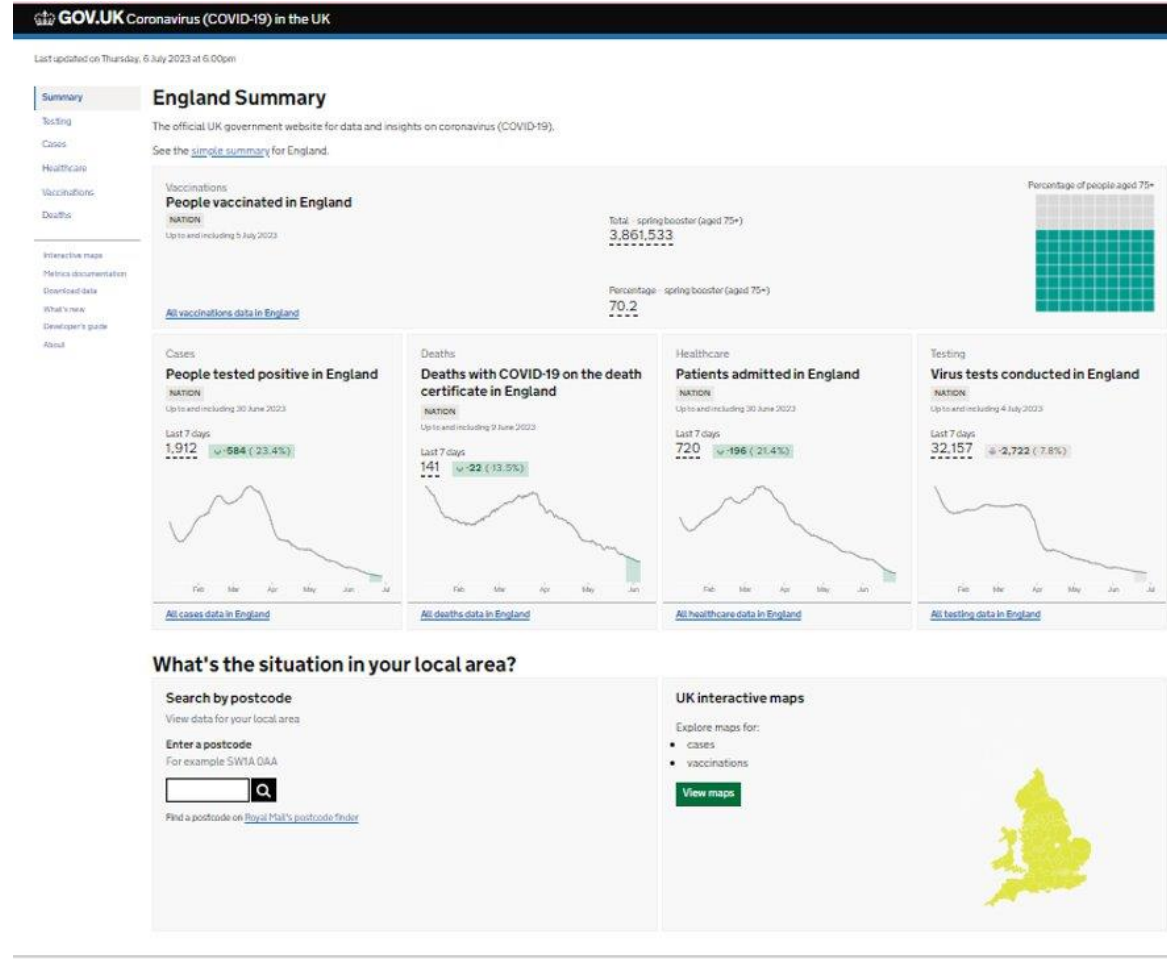
History



History



UK Health
Security
Agency



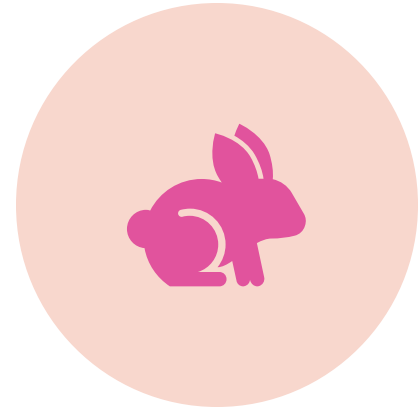
Design Aims



FLEXIBLE



COST EFFECTIVE



FAST

Front-end and Accessibility



USE OF REACT



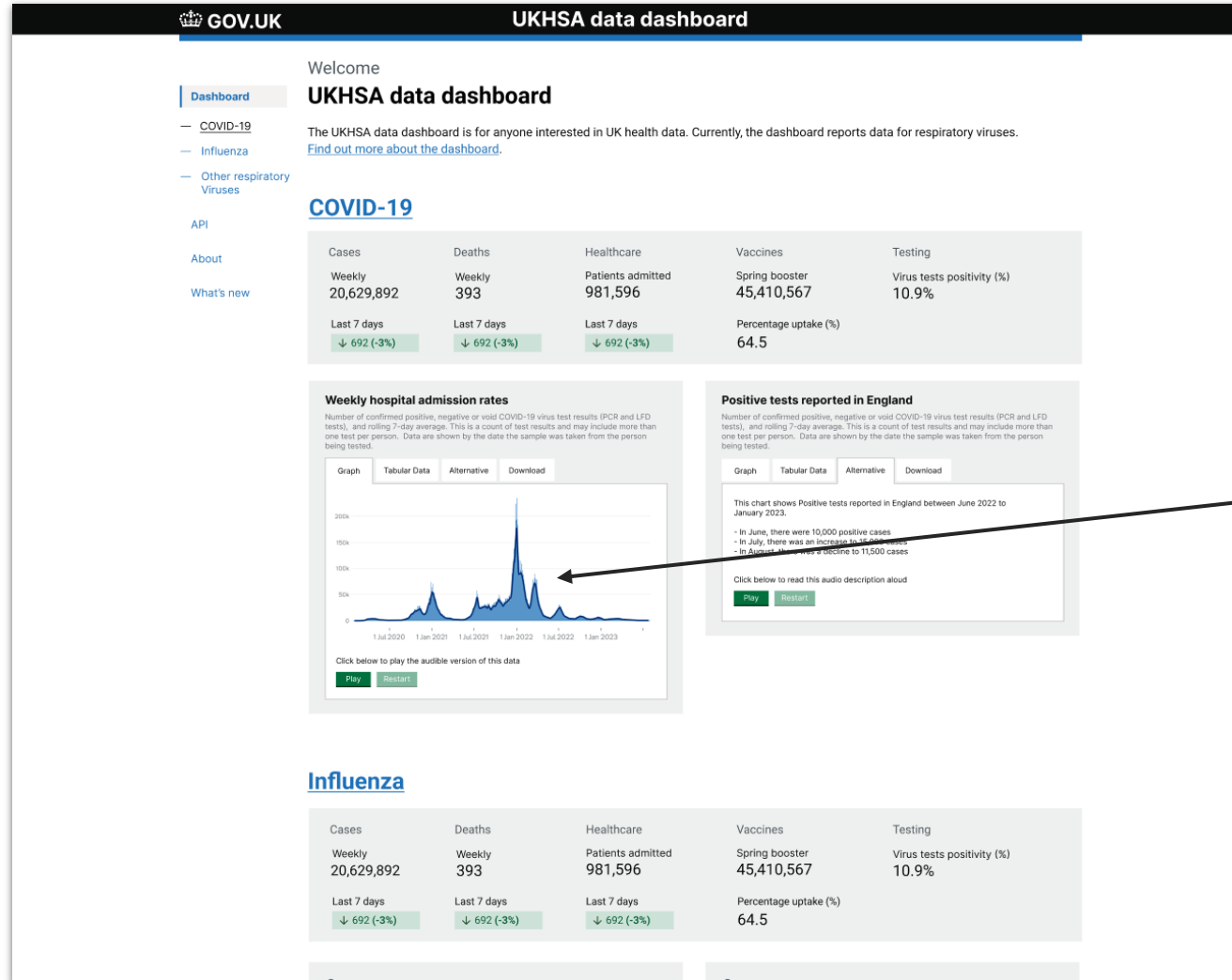
SCREEN READERS



**SERVER-SIDE
RENDERING**



Graphing Components



Weekly hospital admission rates

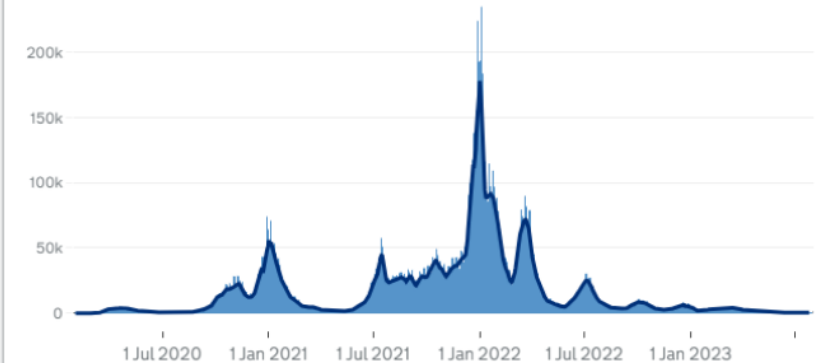
Number of confirmed positive, negative or void COVID-19 virus test results (PCR and LFD tests), and rolling 7-day average. This is a count of test results and may include more than one test per person. Data are shown by the date the sample was taken from the person being tested.

Graph

Tabular Data

Alternative

Download



Click below to play the audible version of this data

Play

Restart

The Private API



**QUICK AND
CACHEABLE**



LIGHTWEIGHT



**FLEXIBLE GENERATION
OF CHARTS**

The Public API



**BALANCE BETWEEN
FLEXIBILITY AND COST**




**COMMUNICATION
BETWEEN API CUSTOMERS**



PREVENTS DDOS

The Public API

UKHSA data dashboard

API / Theme List / Theme Detail / Sub Theme List / Sub Theme Detail / Topic List

Topic List

OPTIONSGET

This endpoint returns a list of all available **topics** and hyperlinks to their corresponding detail view.

The **topic** field is positioned 1 step below **sub_theme**.

A **topic** is the name of the topic/threat e.g. **COVID-19**

GET /themes/infectious_disease/sub_themes/respiratory/topics

HTTP 200 OK

Allow: GET, HEAD, OPTIONS

Content-Type: application/json

Vary: Accept

```
[
  {
    "name": "Adenovirus",
    "link": "https://api.ukhsa-dashboard.data.gov.uk/themes/infectious_disease/sub_themes/respiratory/topics/Adenovirus"
  },
  {
    "name": "COVID-19",
    "link": "https://api.ukhsa-dashboard.data.gov.uk/themes/infectious_disease/sub_themes/respiratory/topics/COVID-19"
  },
  {
    "name": "hMPV",
    "link": "https://api.ukhsa-dashboard.data.gov.uk/themes/infectious_disease/sub_themes/respiratory/topics/hMPV"
  },
  {
    "name": "H1N1",
    "link": "https://api.ukhsa-dashboard.data.gov.uk/themes/infectious_disease/sub_themes/respiratory/topics/H1N1"
  },
  {
    "name": "H3N2",
    "link": "https://api.ukhsa-dashboard.data.gov.uk/themes/infectious_disease/sub_themes/respiratory/topics/H3N2"
  },
  {
    "name": "Influenza",
    "link": "https://api.ukhsa-dashboard.data.gov.uk/themes/infectious_disease/sub_themes/respiratory/topics/Influenza"
  },
  {
    "name": "Measles",
    "link": "https://api.ukhsa-dashboard.data.gov.uk/themes/infectious_disease/sub_themes/respiratory/topics/Measles"
  },
  {
    "name": "Mumps",
    "link": "https://api.ukhsa-dashboard.data.gov.uk/themes/infectious_disease/sub_themes/respiratory/topics/Mumps"
  },
  {
    "name": "Norovirus",
    "link": "https://api.ukhsa-dashboard.data.gov.uk/themes/infectious_disease/sub_themes/respiratory/topics/Norovirus"
  },
  {
    "name": "Rotavirus",
    "link": "https://api.ukhsa-dashboard.data.gov.uk/themes/infectious_disease/sub_themes/respiratory/topics/Rotavirus"
  },
  {
    "name": "Scarlet fever",
    "link": "https://api.ukhsa-dashboard.data.gov.uk/themes/infectious_disease/sub_themes/respiratory/topics/Scarlet fever"
  },
  {
    "name": "Shingles",
    "link": "https://api.ukhsa-dashboard.data.gov.uk/themes/infectious_disease/sub_themes/respiratory/topics/Shingles"
  },
  {
    "name": "Strep throat",
    "link": "https://api.ukhsa-dashboard.data.gov.uk/themes/infectious_disease/sub_themes/respiratory/topics/Strep throat"
  },
  {
    "name": "Tuberculosis",
    "link": "https://api.ukhsa-dashboard.data.gov.uk/themes/infectious_disease/sub_themes/respiratory/topics/Tuberculosis"
  },
  {
    "name": "Whooping cough",
    "link": "https://api.ukhsa-dashboard.data.gov.uk/themes/infectious_disease/sub_themes/respiratory/topics/Whooping cough"
  },
  {
    "name": "Zika virus",
    "link": "https://api.ukhsa-dashboard.data.gov.uk/themes/infectious_disease/sub_themes/respiratory/topics/Zika virus"
  }
]
```

Commitment to Open Source



**USE OF OSS WHEREVER
POSSIBLE**



**CODE IN THE OPEN ONCE
LIVE**



API Development Session