

Latest numbers on COVID19 in the UK – 10 July 2020

We have combined data from the government's daily figures¹, the Office of National Statistics², Public Health England³ and the government's report on NHS Test and Trace⁴.

1. Number of new deaths from COVID19 in the UK.
2. Number of new infections in the UK.
3. NHS Test and Trace results.
4. Towards zero COVID?

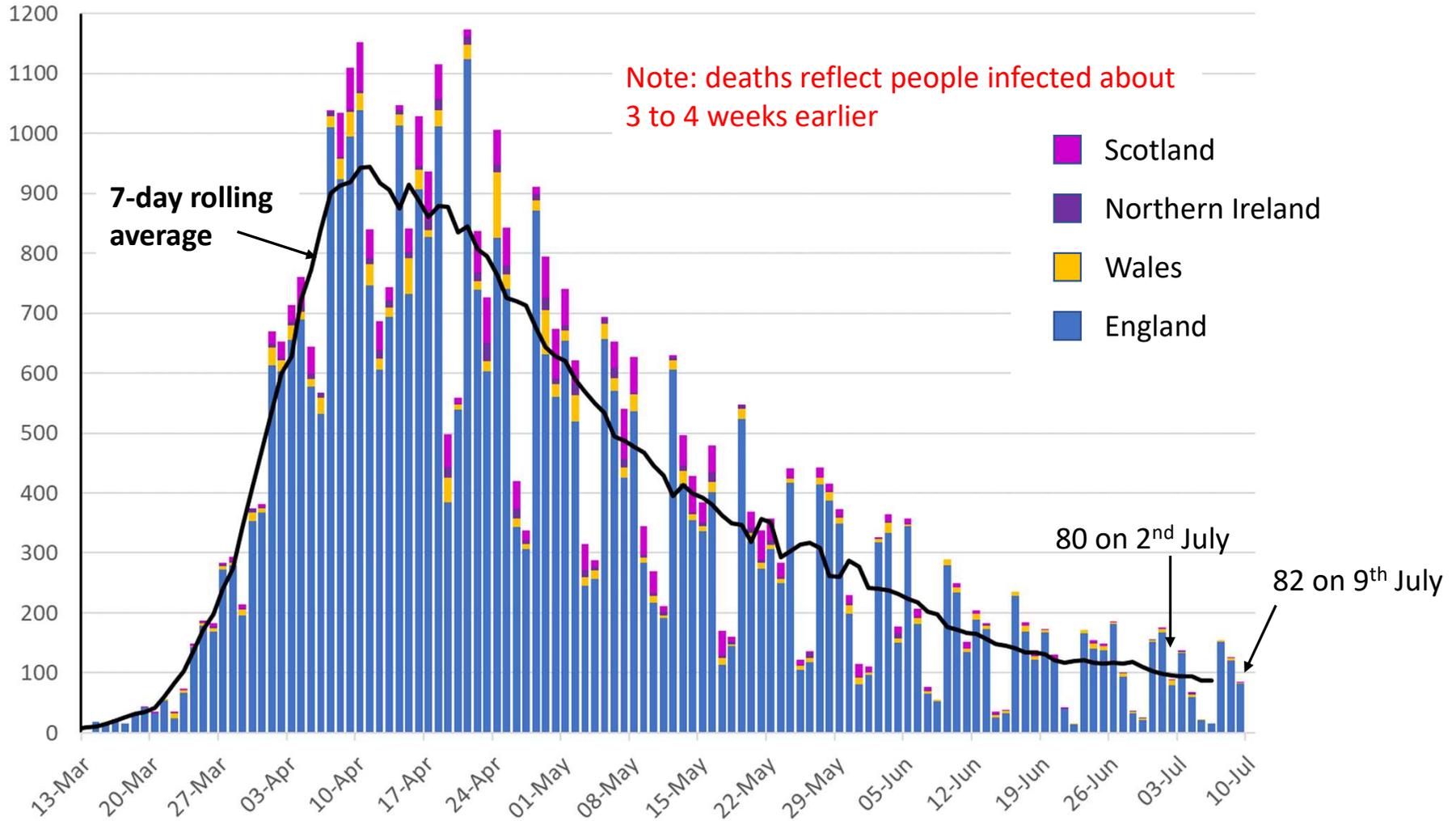
1. <https://coronavirus-staging.data.gov.uk/>

2. <https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/conditionsanddiseases/bulletins/coronaviruscovid19infectionsurveyypilot/latest>

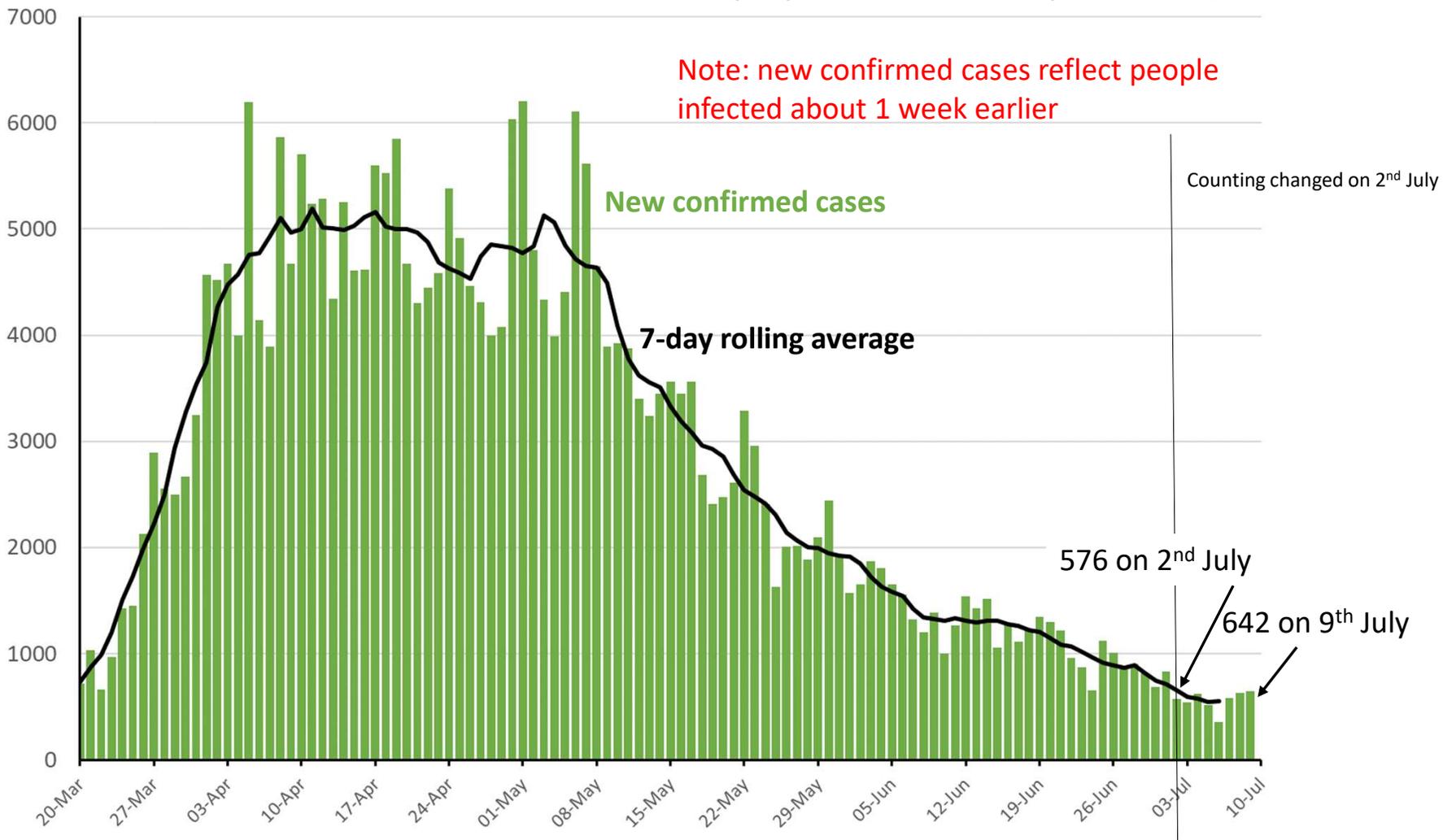
3. https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/897199/Weekly_COVID19_Surveillance_report_-_week_27.pdf

4. <https://www.gov.uk/government/collections/nhs-test-and-trace-statistics-england-weekly-reports>

Number of new UK deaths COVID-19 per day



Number of new UK confirmed COVID-19 cases (people who have had a positive test)

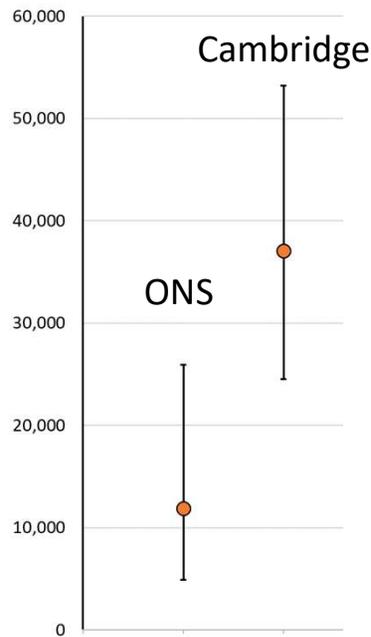


R between:
Scotland: 0.6 - 1
Wales: 0.7-0.9
NI: 0.5-0.9
England: 0.8-1

Data from <https://coronavirus-staging.data.gov.uk/>

How many new infections a week?

Best estimates are somewhere between **11,000 and 40,000 new infections a week (1,500 – 5,500 a day)**.

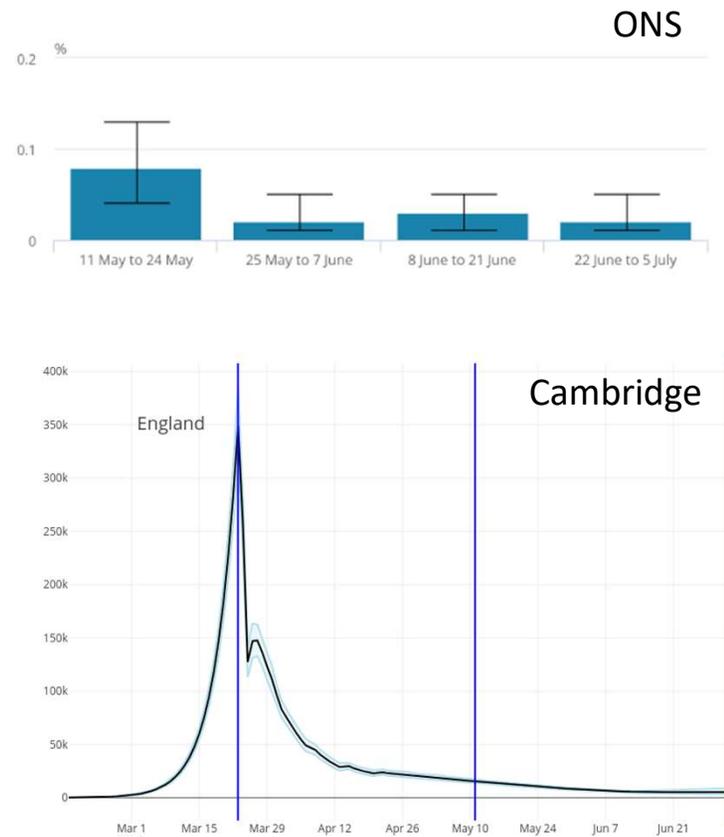


ONS (latest report 9th July)

<https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/conditionsanddiseases/bulletins/coronaviruscovid19infectionsurvey/pilot/england25june2020>

Cambridge (latest estimate 6th July) <https://www.mrc-bsu.cam.ac.uk/tackling-covid-19/nowcasting-and-forecasting-of-covid-19/>

Figure 5: The rate of new infections of COVID-19 appears to have decreased since mid-May, but has since levelled off
Estimated numbers of new infections of coronavirus (COVID-19), based on tests conducted between 11 May and 5 July 2020, England



How did NHS Test, Trace & Isolate do from 28 May – 1 July?

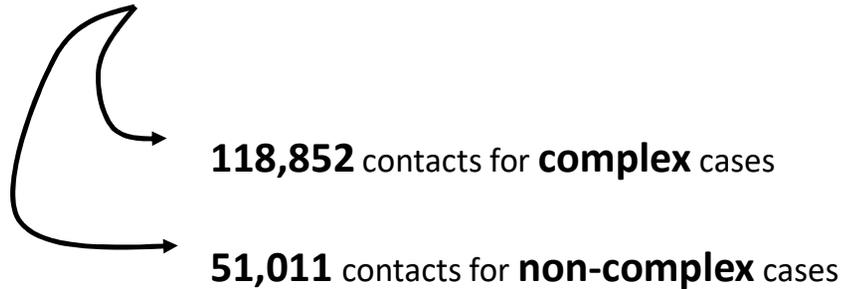
31,421 people referred to NHS
Test & Trace (**new cases**)

Not all new people with infections are being found.

No data on people isolating.

76% of **new cases**
reached

51% of **new cases** provided
at least one contact

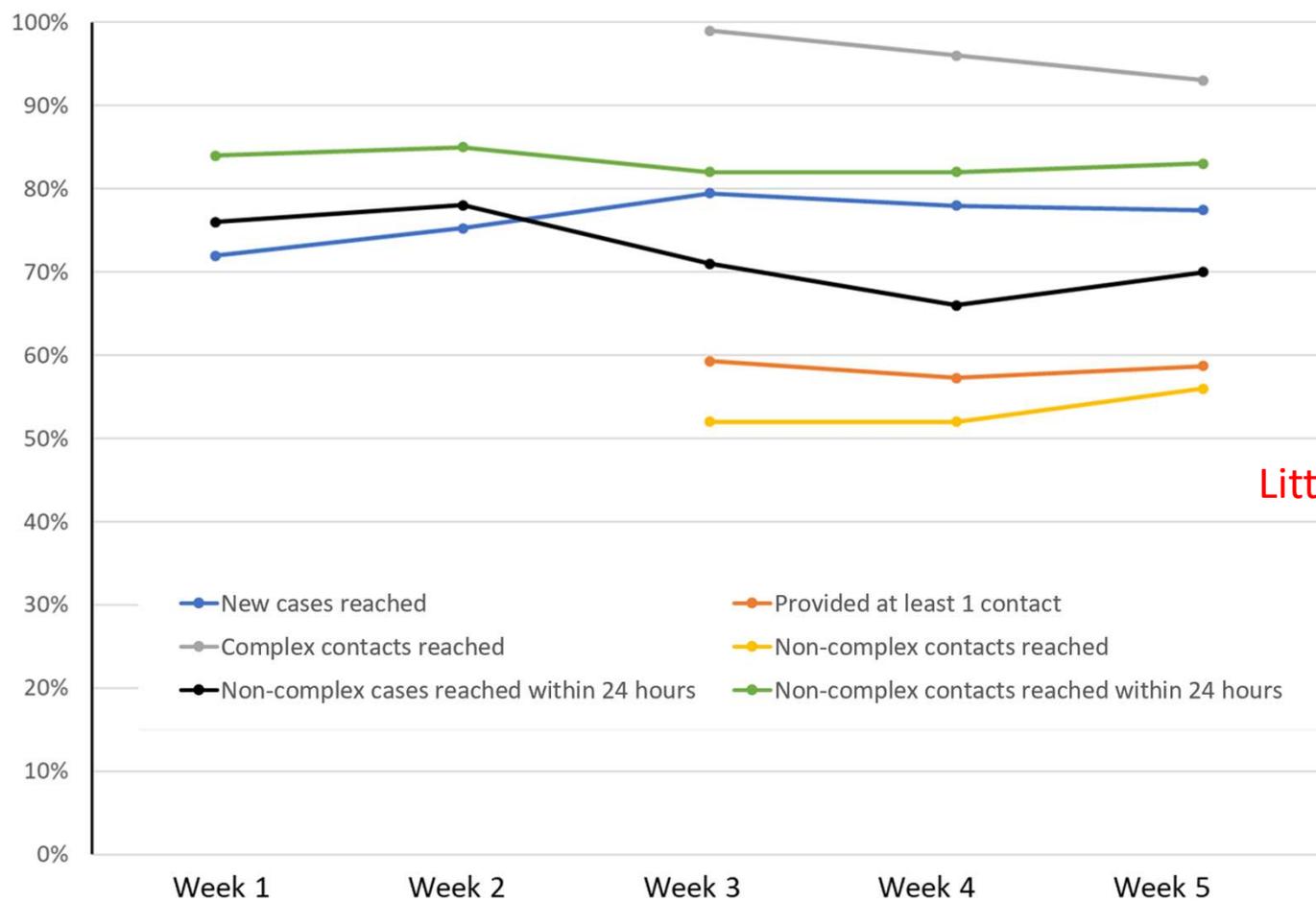


99% contacts for **complex** cases
reached and asked to isolate



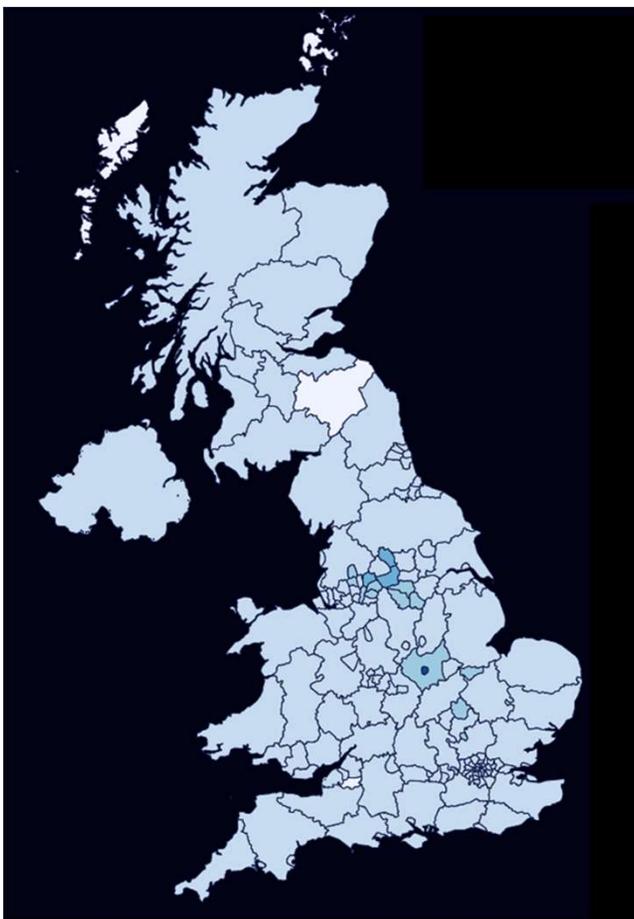
53% contacts for **non-complex** cases
reached and asked to isolate

How did NHS Test, Trace & Isolate do from 28 May – 1 July?



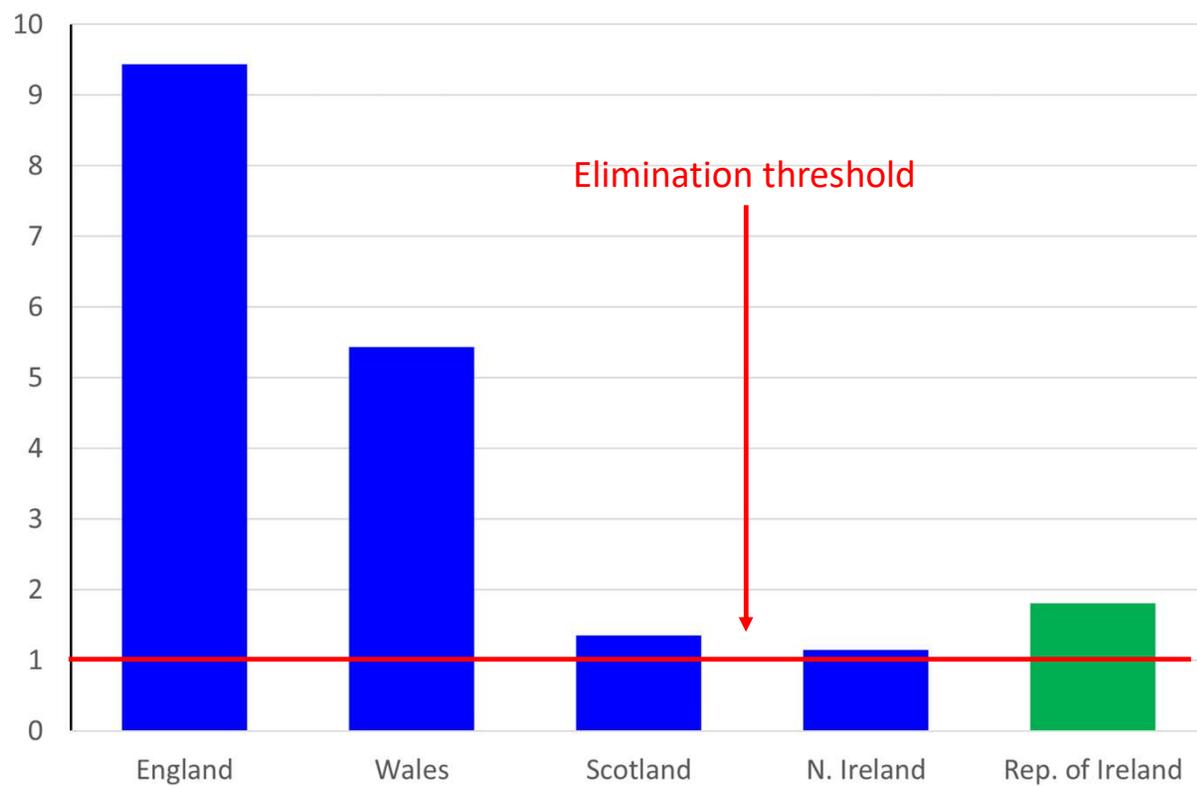
Little improvement over time

UK: 28 June – 5 July



Where are the cases?

New daily cases per million people (average over last week):



Data from <https://www.covidlive.co.uk/>, their data from gov.uk, gov.scot, nhs.wales and nhs.uk.

Summary

Deaths and hospital admissions are declining, but new infections are not declining.

NHS Test and Trace is working, but not brilliantly with little improvement over last 5 weeks on known metrics. Don't know how many cases are not being found, and don't know how many contacts are isolating.

New infections are at a low level and close to elimination level in Scotland and Northern Ireland but England still 9x too high for elimination.

Elimination is the safest and quickest way to open up the economy while avoiding a new wave and new lockdowns.

Opening up requires:

- **Low number of active infections**
- **Excellent Find, Test, Trace, Isolate & Support (FTTIS) infrastructure**
- **Enough time between opening to assess impact (the worse your FTTIS, the longer it needs to be)**

