

Risk of COVID-19 spikes as staycation day trips could transfer infections

As the UK gradually emerges from Lockdown, More Metrics data can be used to identify potential risks across a range of everyday scenarios. In this case, we explore the potential hazards of the long overdue day trip. It can help to identify if locations travellers are coming from are high risk and can help predict locations of spikes in tourist destinations.

Key finding

- Beauty spots and touring centres have been relatively unscathed by COVID-19,
- though their residents often have a high risk profile,
- so are at risk from visitors which come from the many cities with high infected rates.

This article uses some of the More Metrics COVID-19 risk and infection data sets to look at examples with a serious transfer likelihood.

- **Age Risk All Index** as an indication of how 'at risk' populations are from infection.
- **COVID-19 Engagement Risk Index** as a guide to compliance to public health regulations.
- **Infection Rate As Is** which is an estimate of those who have been infected.

In these examples, More Metrics data will be used to identify:

- Local day trip / beauty spots at high risk of infection transfer due to significant differences in their risk age, current infection rate and Covid engagement risk.
- Nearby large centres of population with those travelling from these areas more likely to carry the infection due to high infection rates and are likely to pass it on due to low COVID-19 engagement risk.

West Wales Resorts

- Beautiful Carmarthen West and South Pembrokeshire have a low infected rate of 5.2%, yet a very high age risk of 19 out of 20.
- Cardiff South has an infected rate of 18.8%, with a high engagement risk of 16 out of 20.

Residents of the West Wales resorts have largely avoided COVID-19, despite high risk factors. This change due to visitors from Cardiff who may not be as compliant to health regulations and have had a high level of infection.

Spotlight Example



With More Metrics data available at Output Area level, we are able to see that a regular to The Grange Pub in Cardiff, who lives next door has an engagement 83 from 100, infected rate 19.3%.

If he then goes away and visits The Sand Bar in Tenby, this pub is in a postcode where age risk is 63 from 100, engagement risk is 73 from 100, and infected rate is 2.0%.



Peak District

- The scenic Derbyshire Dales has a low infected rate of 8.2%, yet the high age risk of 19 out of 20.
- Nearby Manchester and Sheffield have infection rates of nearly 25%.

The higher infected rate in the urban population suggests a potential for infection transfer to the Peak District, which is a concern as residents have a high underlying risk profile

Spotlight Example



With More Metrics data available at Output Area level, we are able to see that an individual living next to Sheffield University with an infected rate 31.2%. might cycle to the visitor centre in the town of Bakewell. However, a low engagement risk of 9 from 100 may mean people in this area would not do this.

Either way, Bakewell have infected rate 10.9%, age index of 94 from 100, engagement 63, from 100 meaning if other people travel there, the locals could be vulnerable.



Southend

- Southend West has a low infected rate of 10.9%, a fairly high age risk of 16 out of 20, and an engagement risk of 8 from 20.
- West Ham has very a high infected rate of 21.6% and engagement risk of 18 from 20.

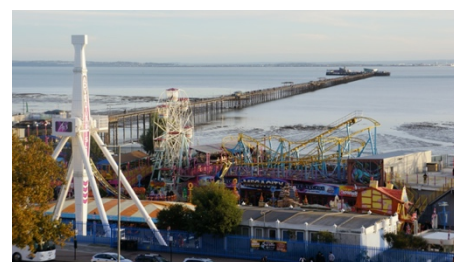
Whilst the beaches of Southend could attract the people from West Ham it could lead to an infection transfer risk. This could trigger conflict between the generally vulnerable but compliant residents, and less engaging visitors

Spotlight Example



With More Metrics data available at Output Area level, we are able to see that an individual travelling from West Ham Station has engagement risk of 71 from 100, and infected rate of 13.0%.

If they were travelling to Jubilee Beach in Southend, we are able to see they are travelling to an area with an age risk of 8 from 100, engagement risk of 49 from 100, and lower infection rate of 8.1%.



More Info

Source: [More Metrics COVID-19 data](#) at Parliamentary Constituency level for main examples, and at Output Area in the Spotlights. Accessed at 16 June 2020.

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