

Brent Public Health: Health Intelligence Team

Covid-19 Epidemiology

Last Updated: 08:45am - 23/03/2021
Correct at: 08:45am – 23/03/2021



1.1 Covid-19 Epidemiology

Coronaviruses are a large family of viruses with some causing less severe disease, such as the common cold, and others causing more severe disease, such as Middle East respiratory syndrome (MERS) and Severe Acute Respiratory Syndrome (SARS) coronaviruses.

SARS-CoV-2 is primarily transmitted between people through respiratory (droplet and aerosol) and contact routes. Transmission risk is highest where people are in close proximity (within 2 metres). At the moment, human-to-human transmission is occurring extensively. Hence, precautions to prevent human-to-human transmission are appropriate for both suspected and confirmed cases. The disease can present with no symptoms, mild symptoms or as a severe illness leading to hospitalisation and in some cases death.

Covid-19 in England

In England by the 20th of March 2021, the Department of Health and Social Care stated there were 3,754,821 cumulative laboratory confirmed cases of Covid-19. In England, the Office of National Statistics, up to 5th March 2021 reported 127,270 Covid-19 deaths.

2.1 Covid-19 in London

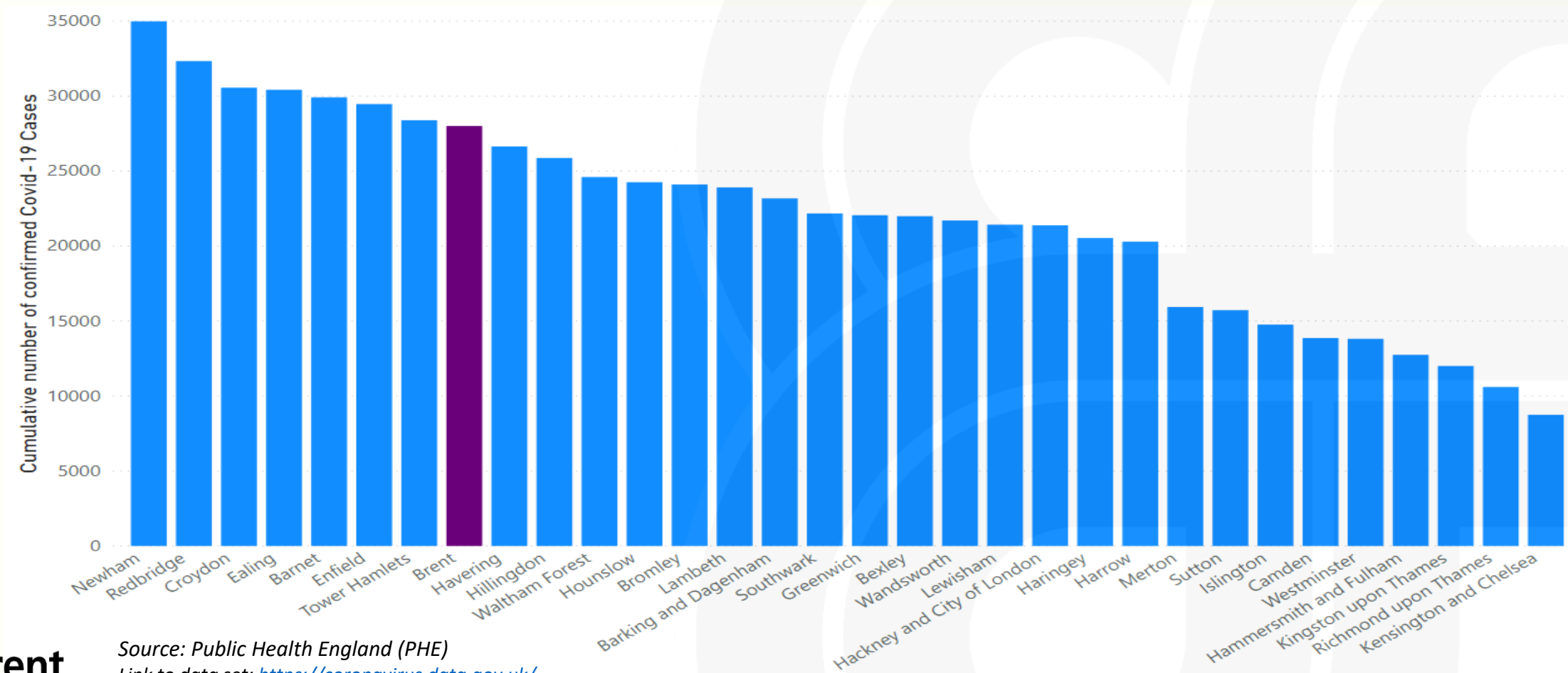
The burden of disease and mortality from COVID-19 is not evenly spread in the population. The UK coronavirus dashboard presents data on the number of cases and deaths in people who have tested positive for SARS-CoV-2 and shows considerable variation in the number of cases by region across the UK.

As of the 20th March 2021, the number of cumulative cases was highest in London, with a total of 707,336 cases recorded compared to other regions in England. The PHE COVID-19 dashboard as of 20th March 2021 shows London as having the second highest diagnosis cumulative rates per 100,000 population in England, with a rate of 7,892.6 per 100,000. In London, the Office of National Statistics, up to 5th March 2021 reported 18,677 Covid-19 deaths.

3.1 Covid-19 in Brent

- In the last 7 days up to the 20th March, 2021 Brent has the third highest number of confirmed cases in London, with a total of 166 confirmed covid-19 cases recorded.
- In the last 7 days up to the 20th March, 2021 Brent has the fifth highest rate per 100,000 of confirmed cases in London, with a total rate of 50.3 per 100,000 recorded
- Sadly As of the 27th February, 2021 Brent has the fifth highest number of cumulative deaths in London, with a total of 835 covid-19 deaths recorded since 2020.

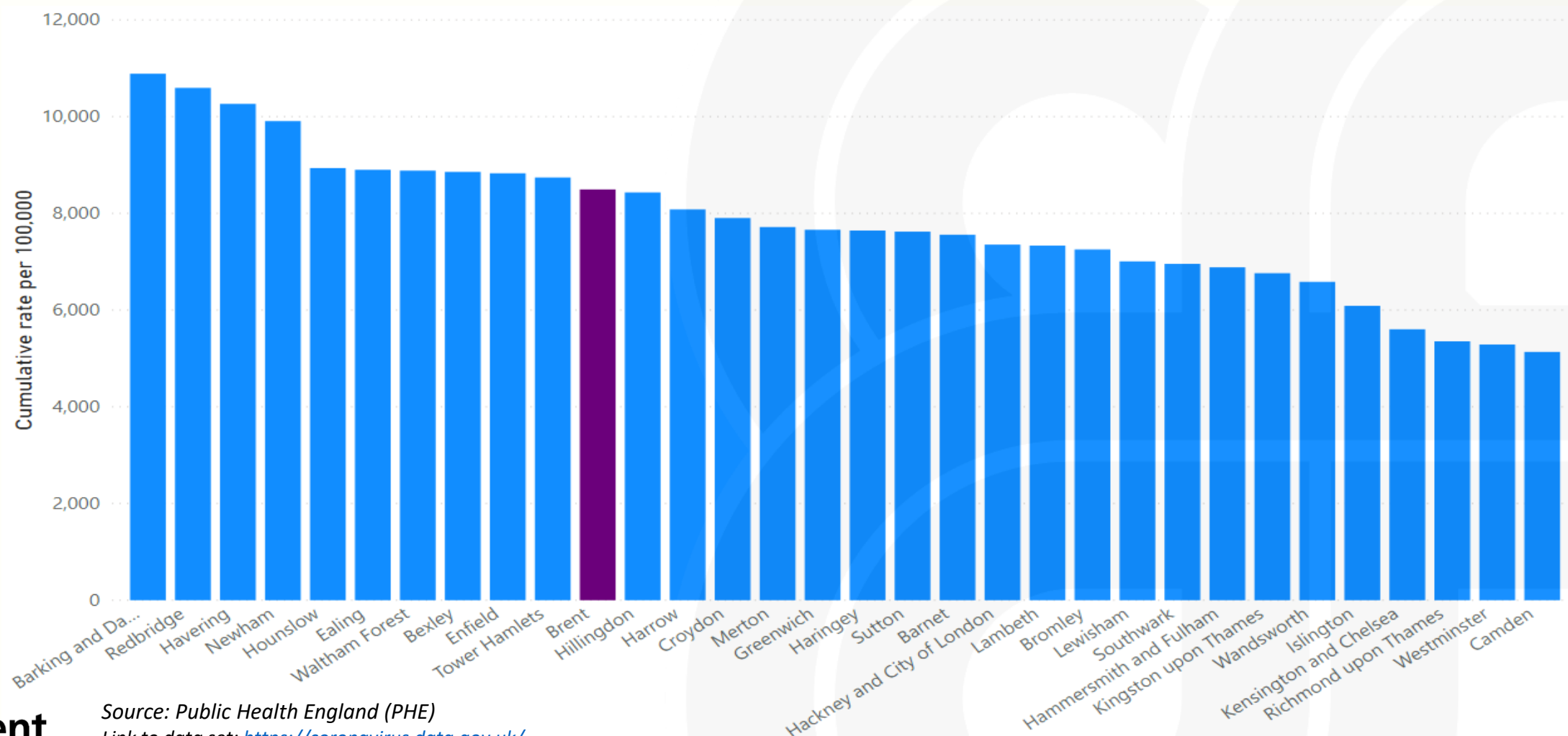
Covid-19 in Brent compared to London boroughs (Cumulative overview)



Source: Public Health England (PHE)
Link to data set: <https://coronavirus.data.gov.uk/>



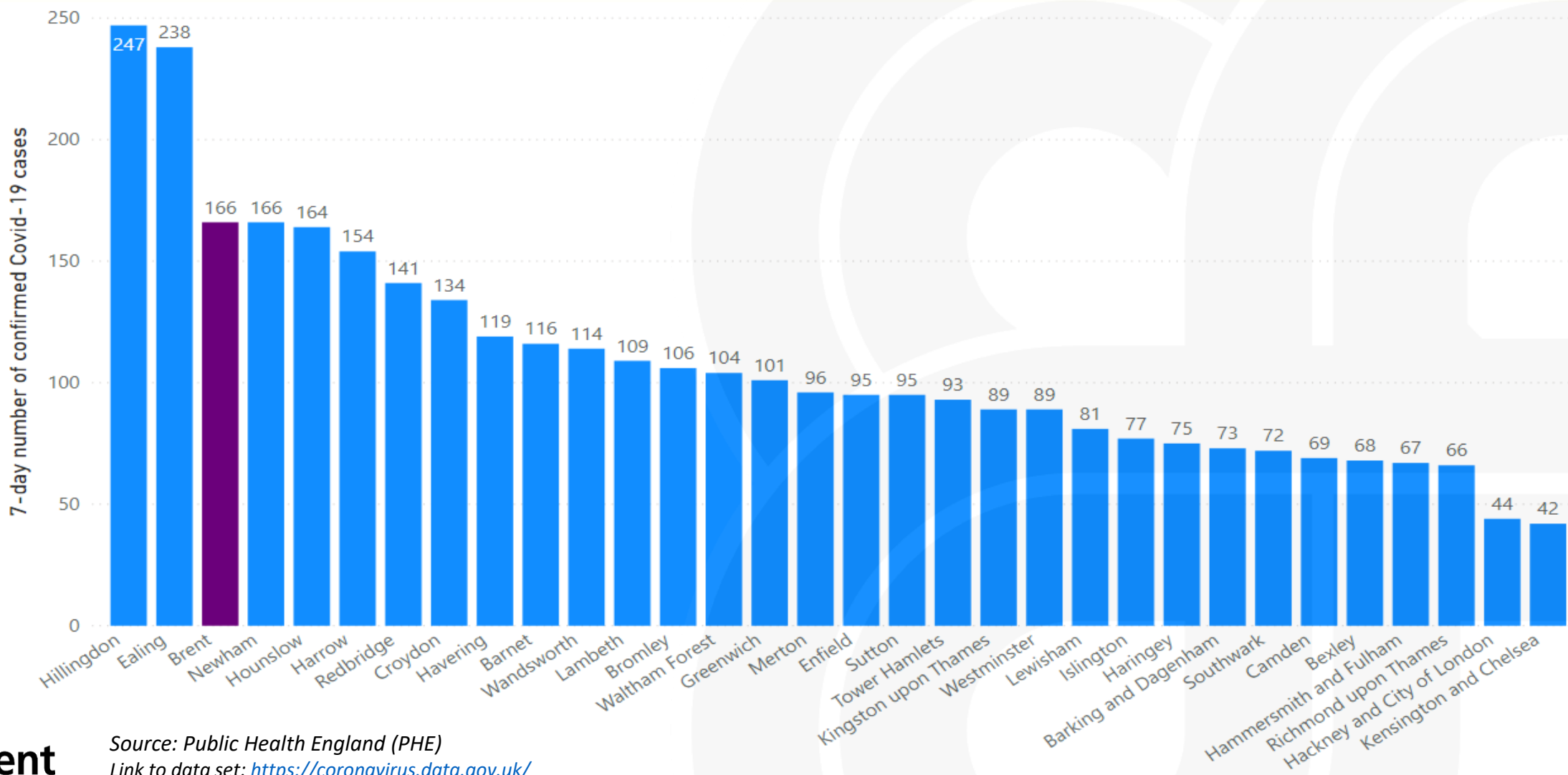
Covid-19 in Brent compared to London boroughs (Cumulative overview)



Source: Public Health England (PHE)
Link to data set: <https://coronavirus.data.gov.uk/>



Covid-19 in Brent compared to London Boroughs (Current overview)

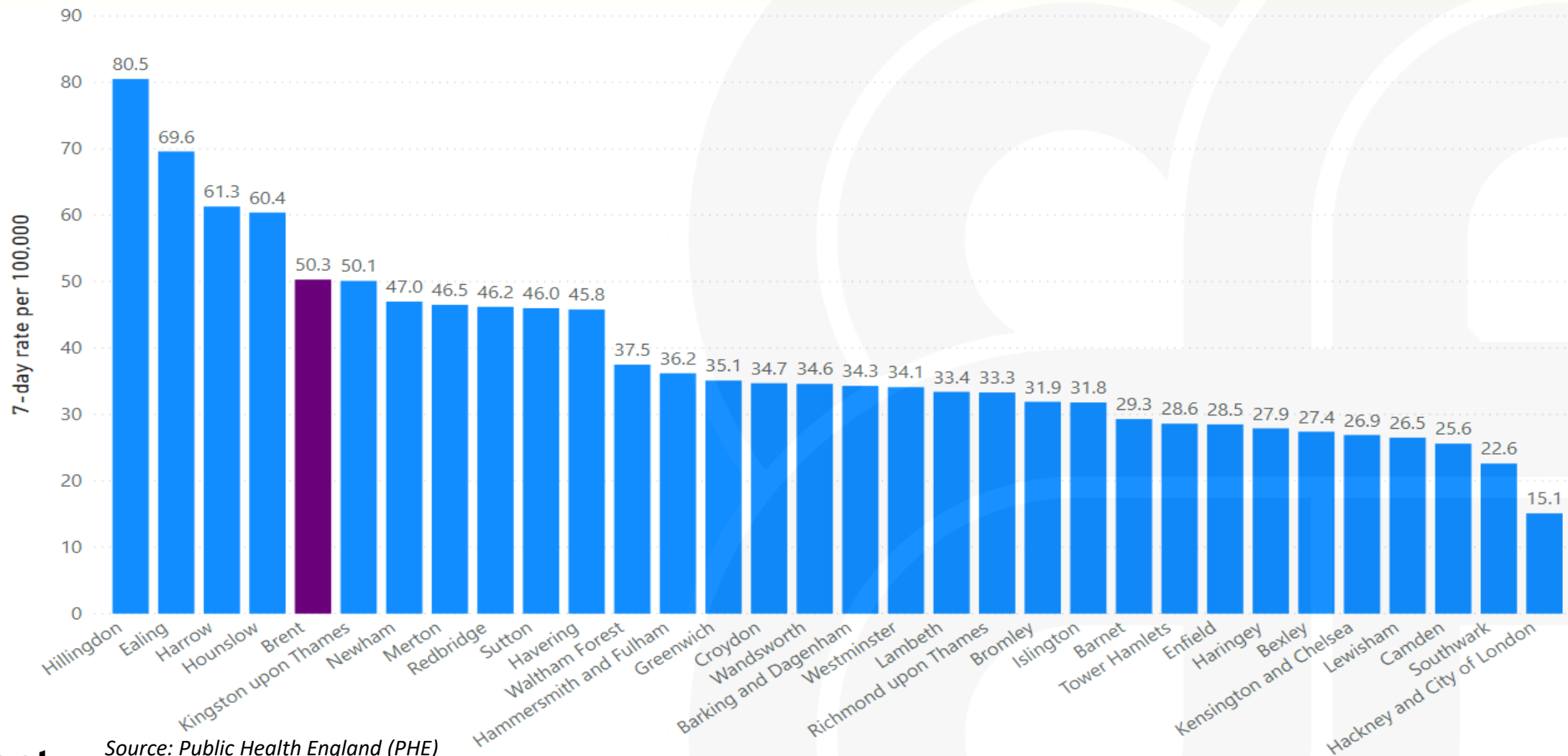


Source: Public Health England (PHE)

Link to data set: <https://coronavirus.data.gov.uk/>

Covid-19 in Brent compared to London Boroughs (Current situation)

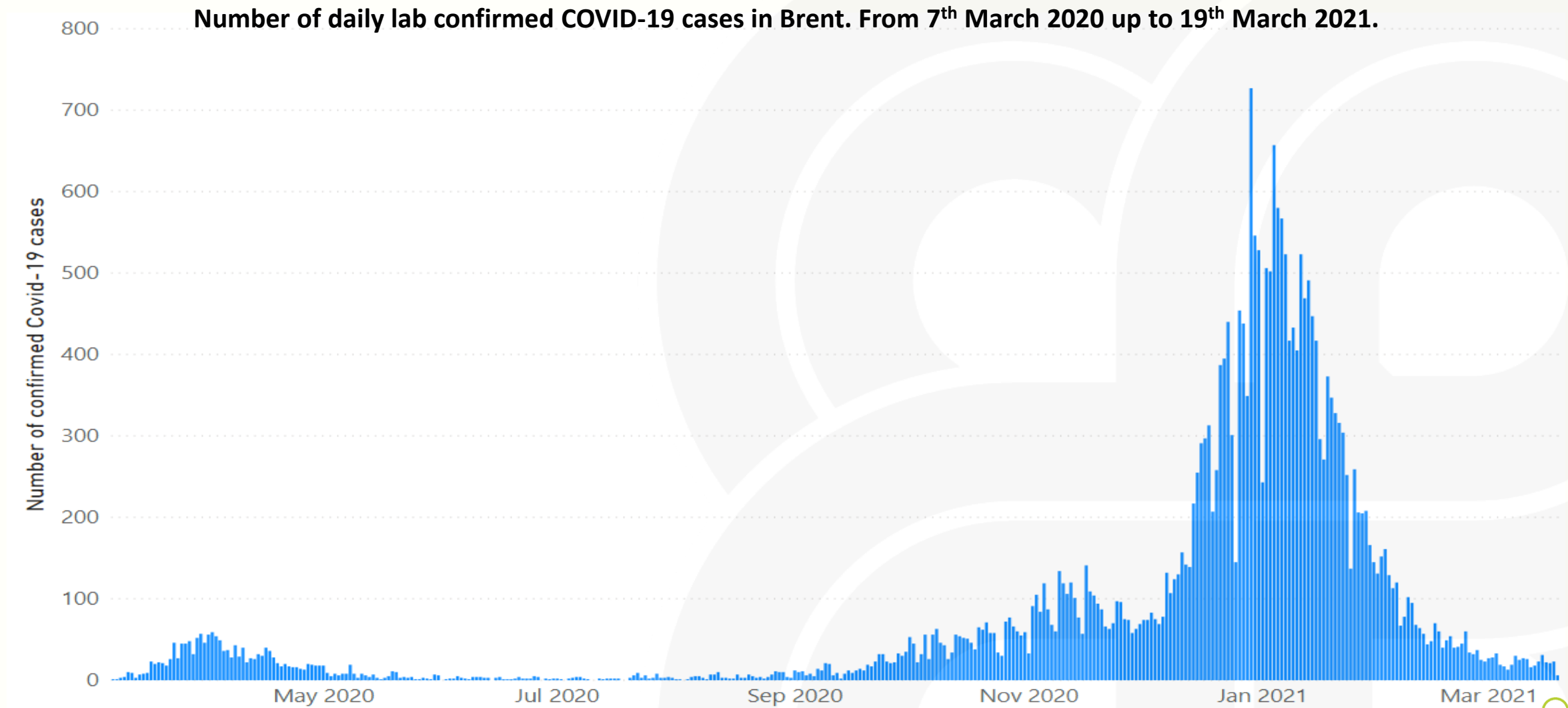
In the last 7 days up to the 20th March, 2021 Brent has the fifth highest rate per 100,000 of confirmed cases in London, with a total rate of 50.3 per 100,000 recorded.



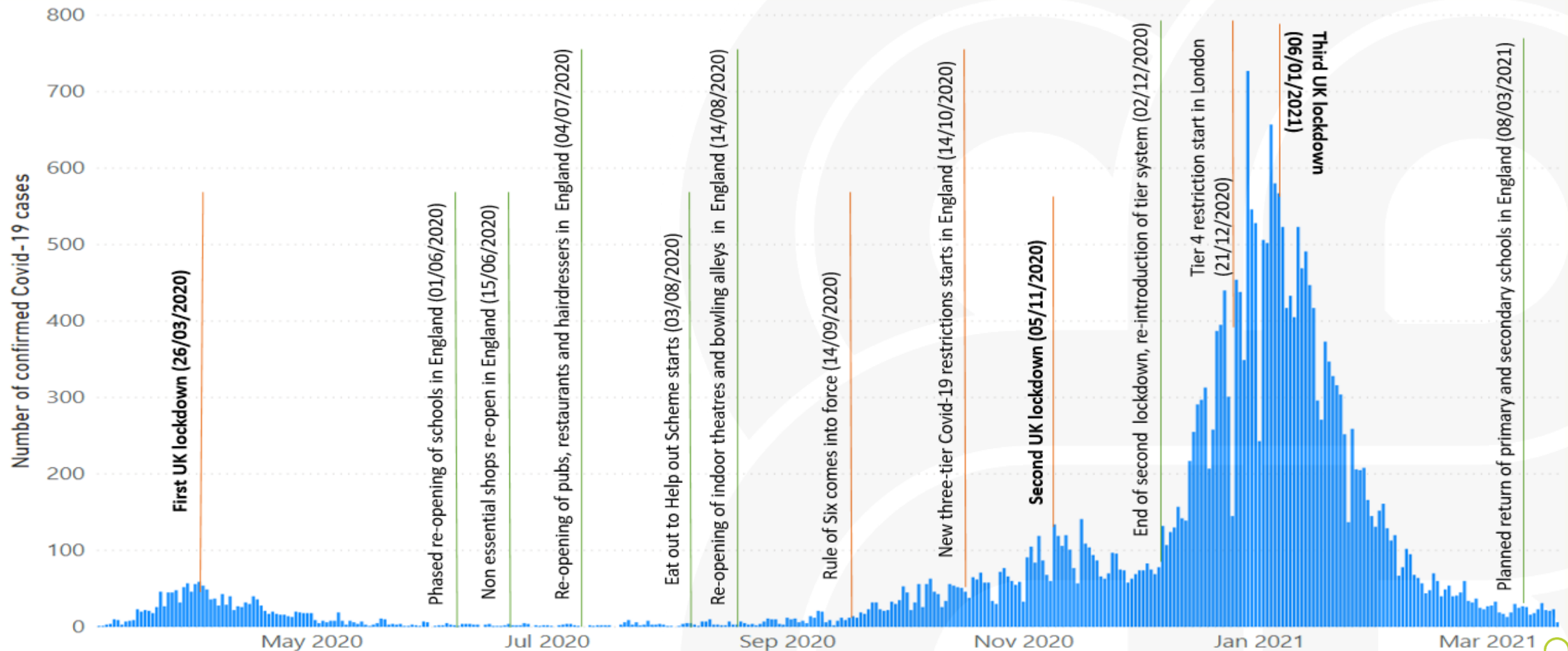
Source: Public Health England (PHE)

Link to data set: <https://coronavirus.data.gov.uk/>

3.2 Description of Covid-19 cases in Brent

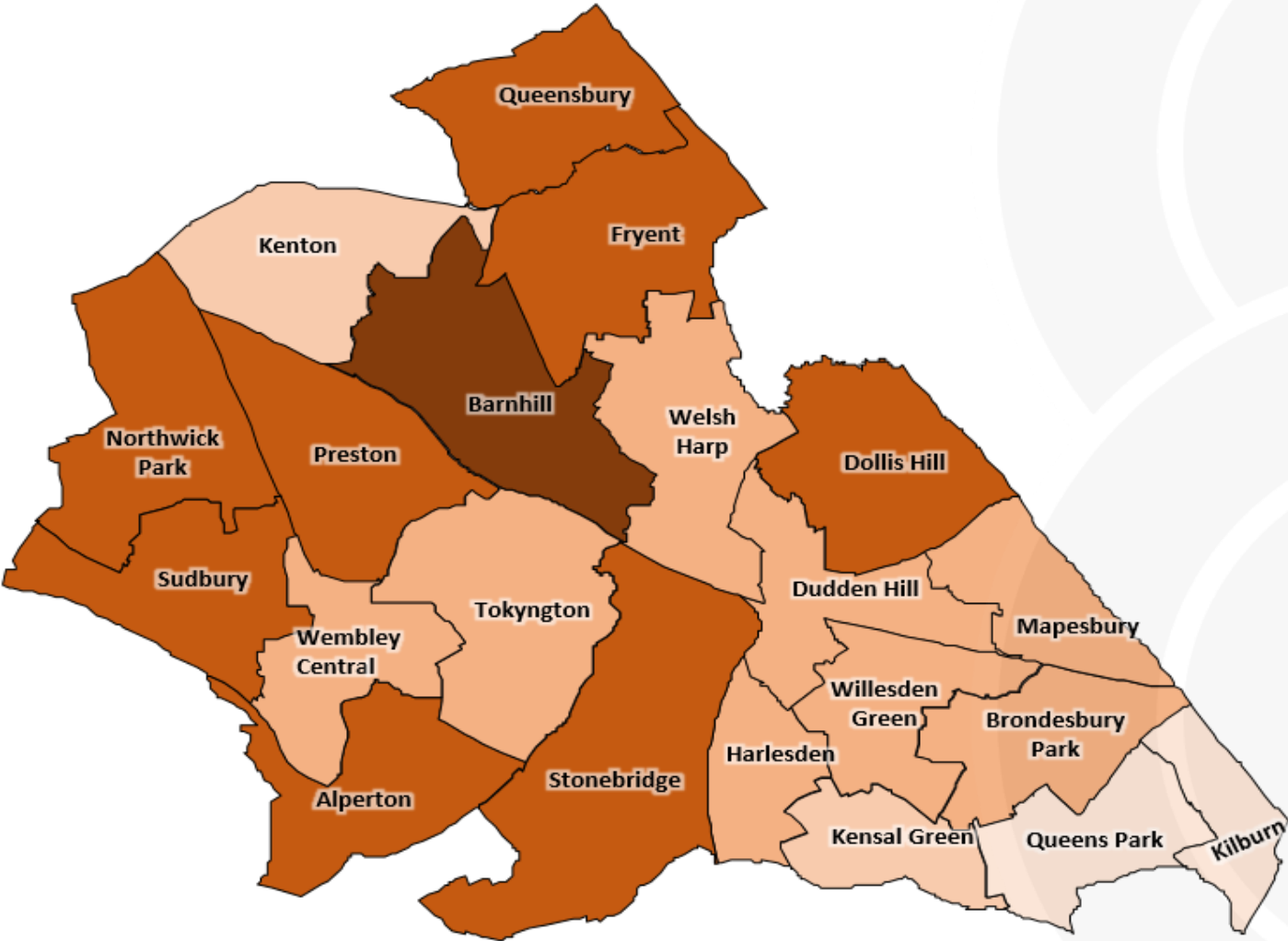


Number of daily lab confirmed COVID-19 cases in Brent, including timeline of UK coronavirus lockdowns. From 7th March 2020 up to 19th March 2021.



3.3 Covid-19 Geography: Covid-19 cases in Brent by wards.

Cumulative Covid-19 rate per 100,000 of the population by Brent Wards. From 7th March 2020 up to 16th March 2021

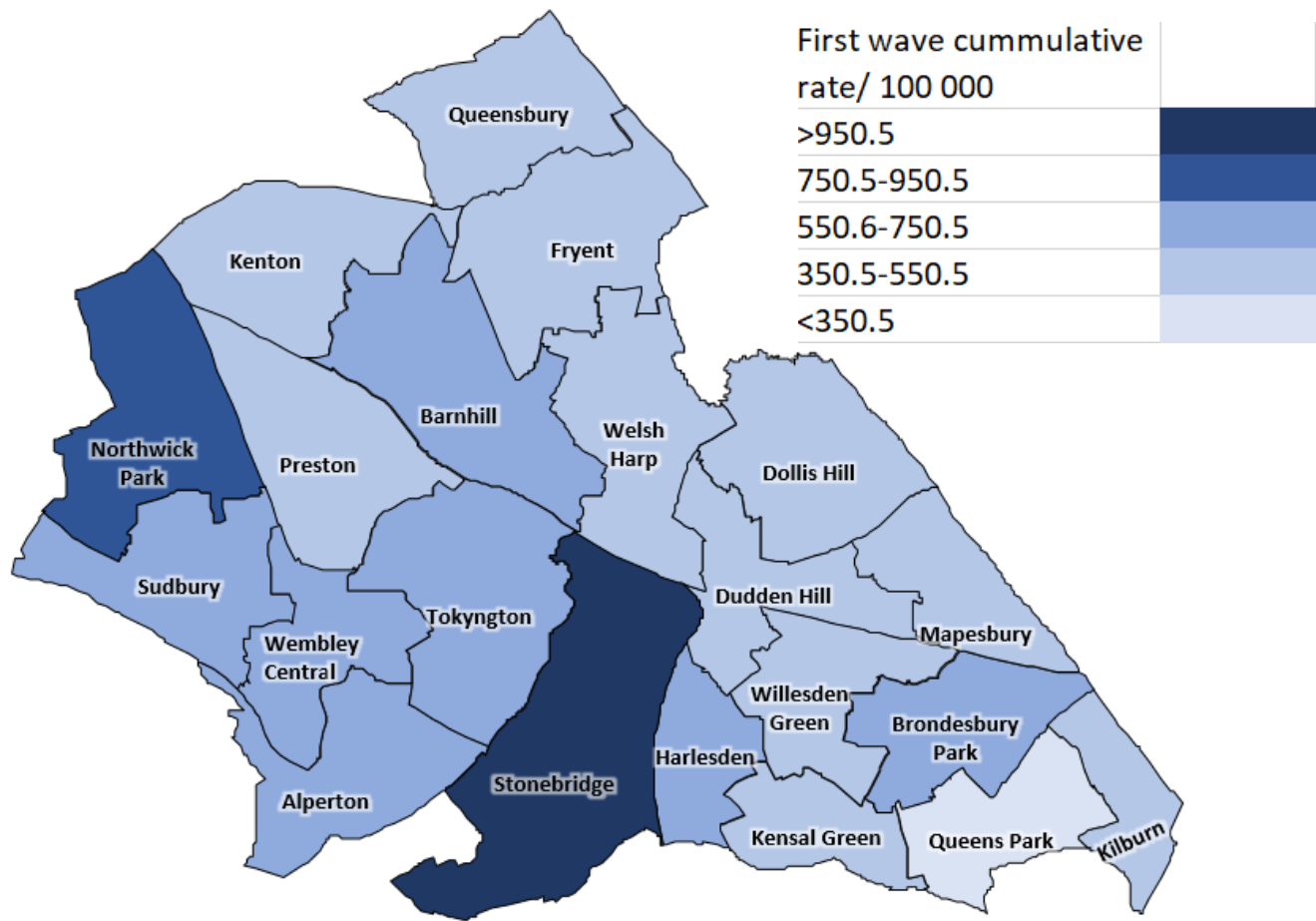


Cummulative rates/ 100 000	
9,500.5+	
8,500.5- 9,500.5	
7,500.5-8,500.5	
6,500.5- 7,500.5	
5,500.5- 6,500.5	

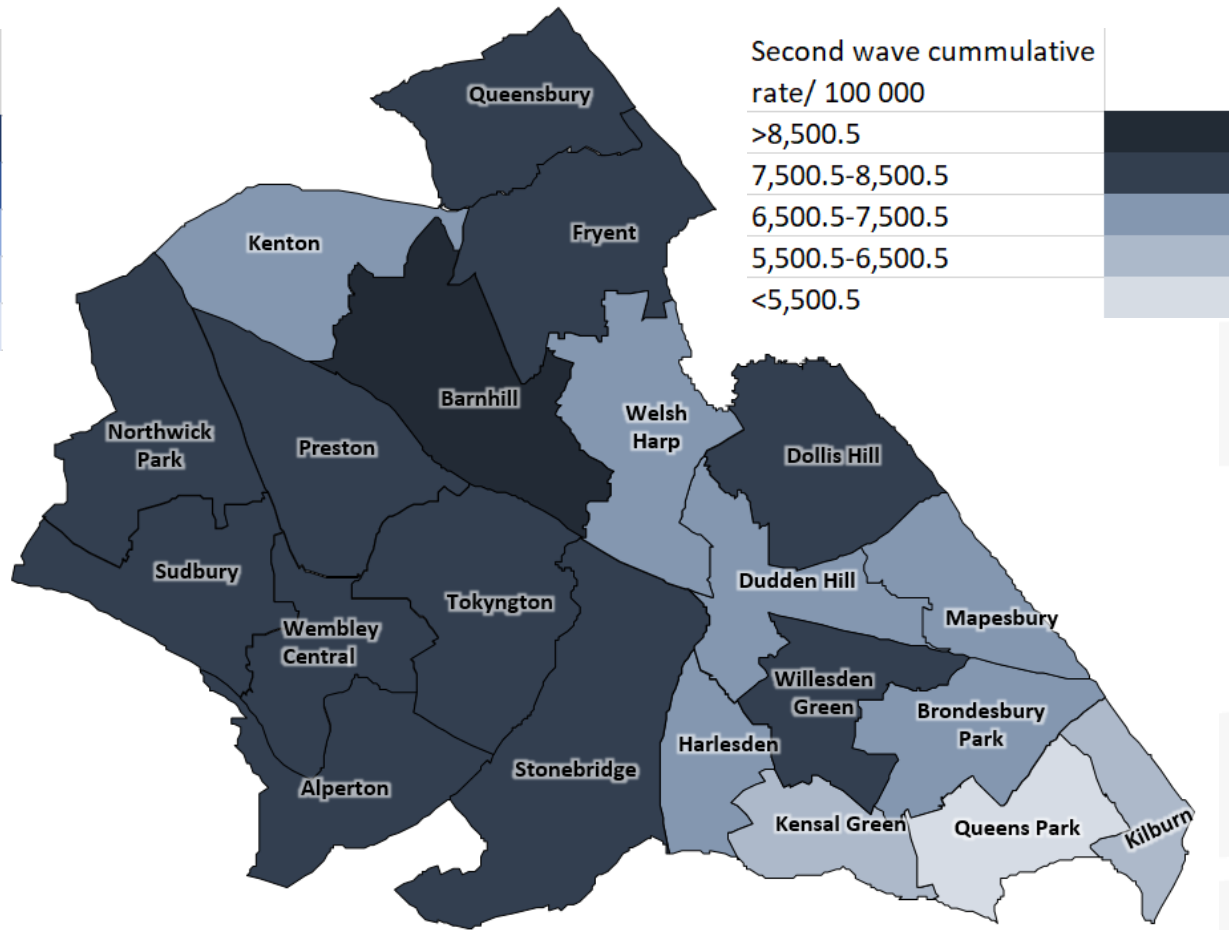
Notes:
* Infection rates sourced from LSAT Test & Trace, 2021, data from 7th March 2020 up until 16th March 2021.
* Population data sourced from GLA, 2019.

Covid-19 cases in Brent by wards.

Cumulative Covid-19 community infection rates/ 100 000 of the population, **(first wave data)** only from the 7th March 2020 up until 31st August 2020.



Cumulative Covid-19 community infection rates/ 100 000 of the population, **(second wave data)** only from the 1st September 2020 up until 16th March 2021.

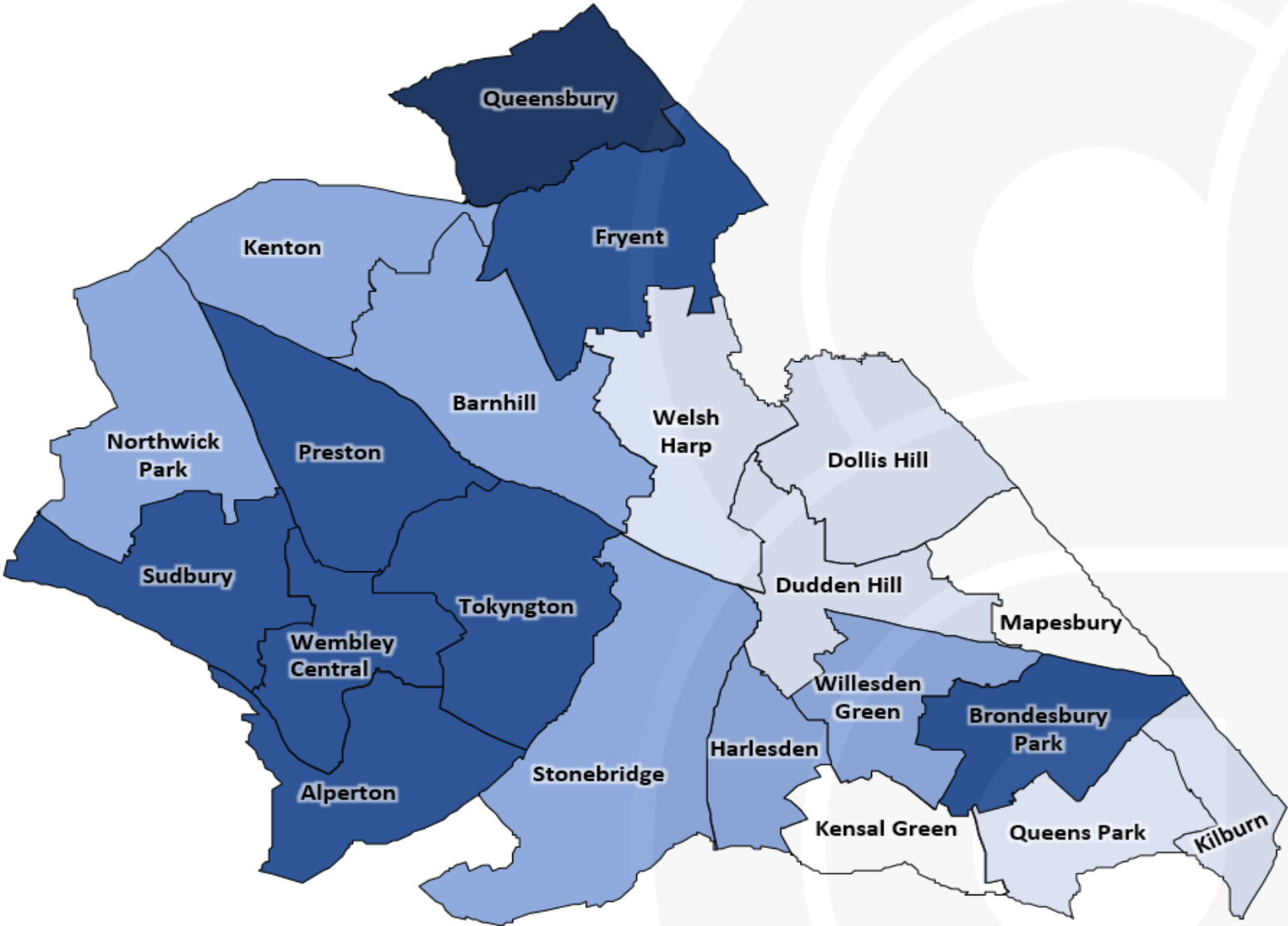


3.3 Covid-19 cases in Brent by wards.

Case rate of COVID-19 per 100,000 in most recent 7 day reporting period (7th March, 2021 to 13th March, 2021) for Wards in Brent.

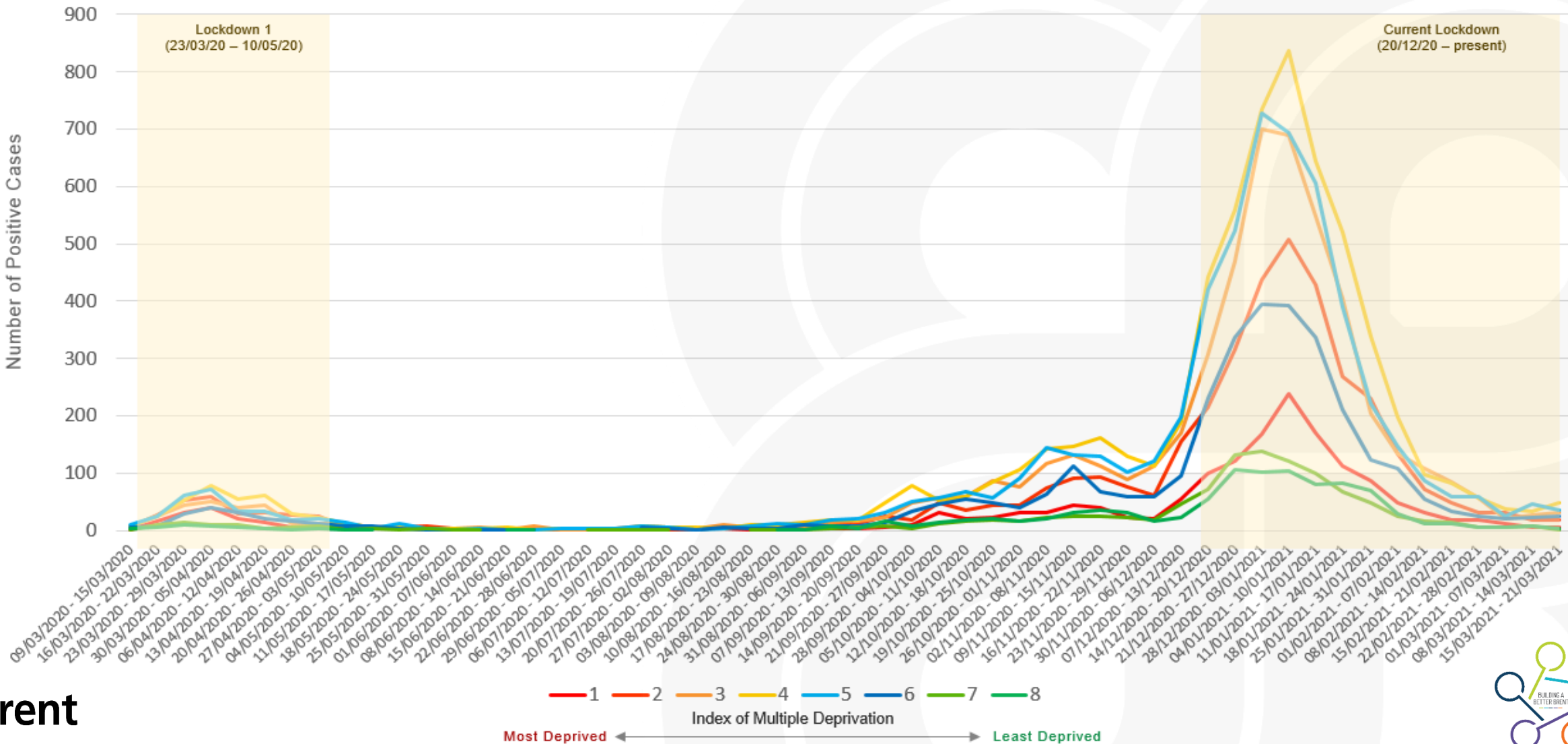
Rate per 100,000

<20.5	
20.6 – 40.5	
40.6 – 60.5	
60.6 – 80.5	
>80.6	



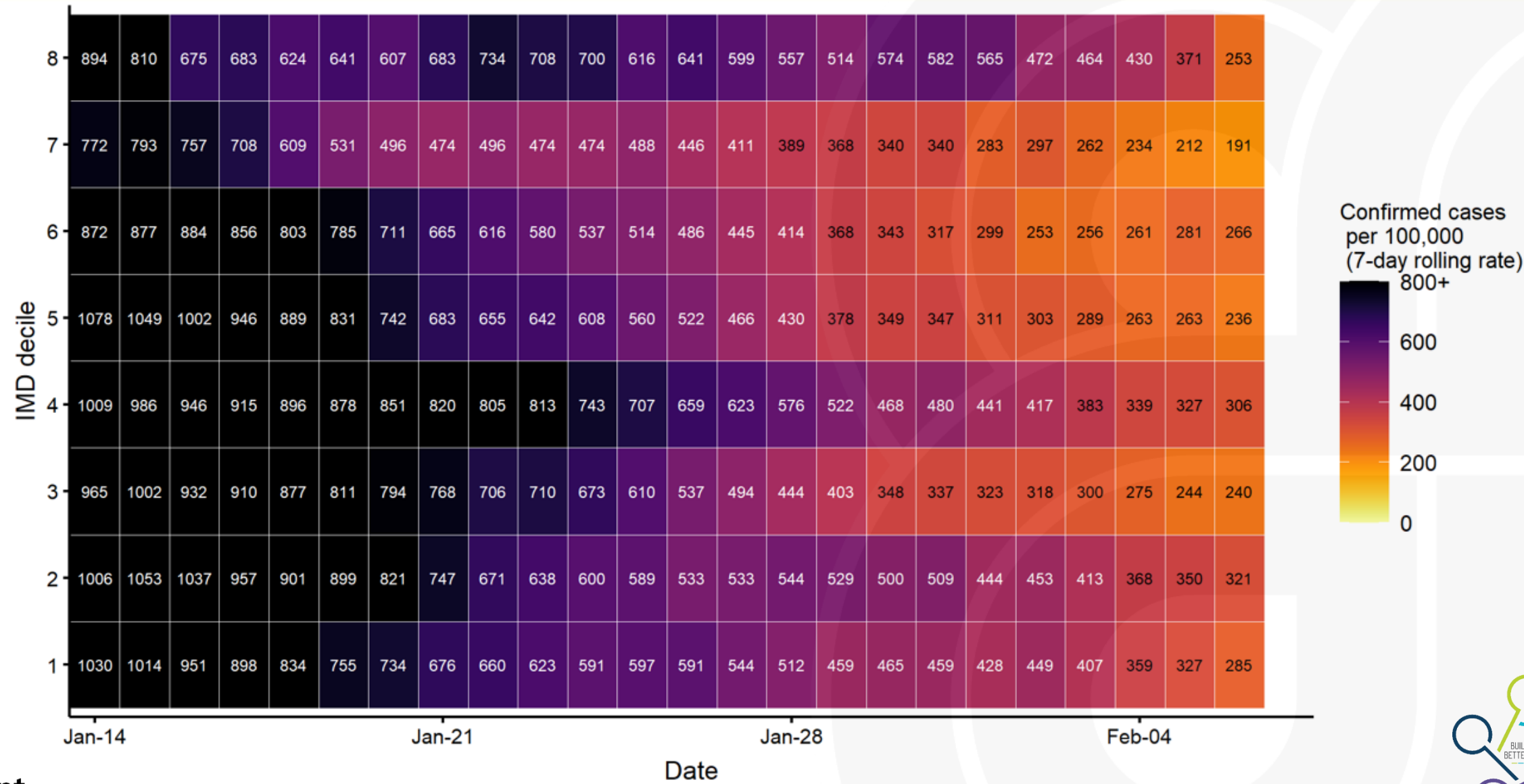
3.4 Covid-19 cases and Deprivation

Number of Positive Cases in Brent by Index of Multiple Deprivation (IMD)
Weekly Data from 09/03/20 to 21/03/21



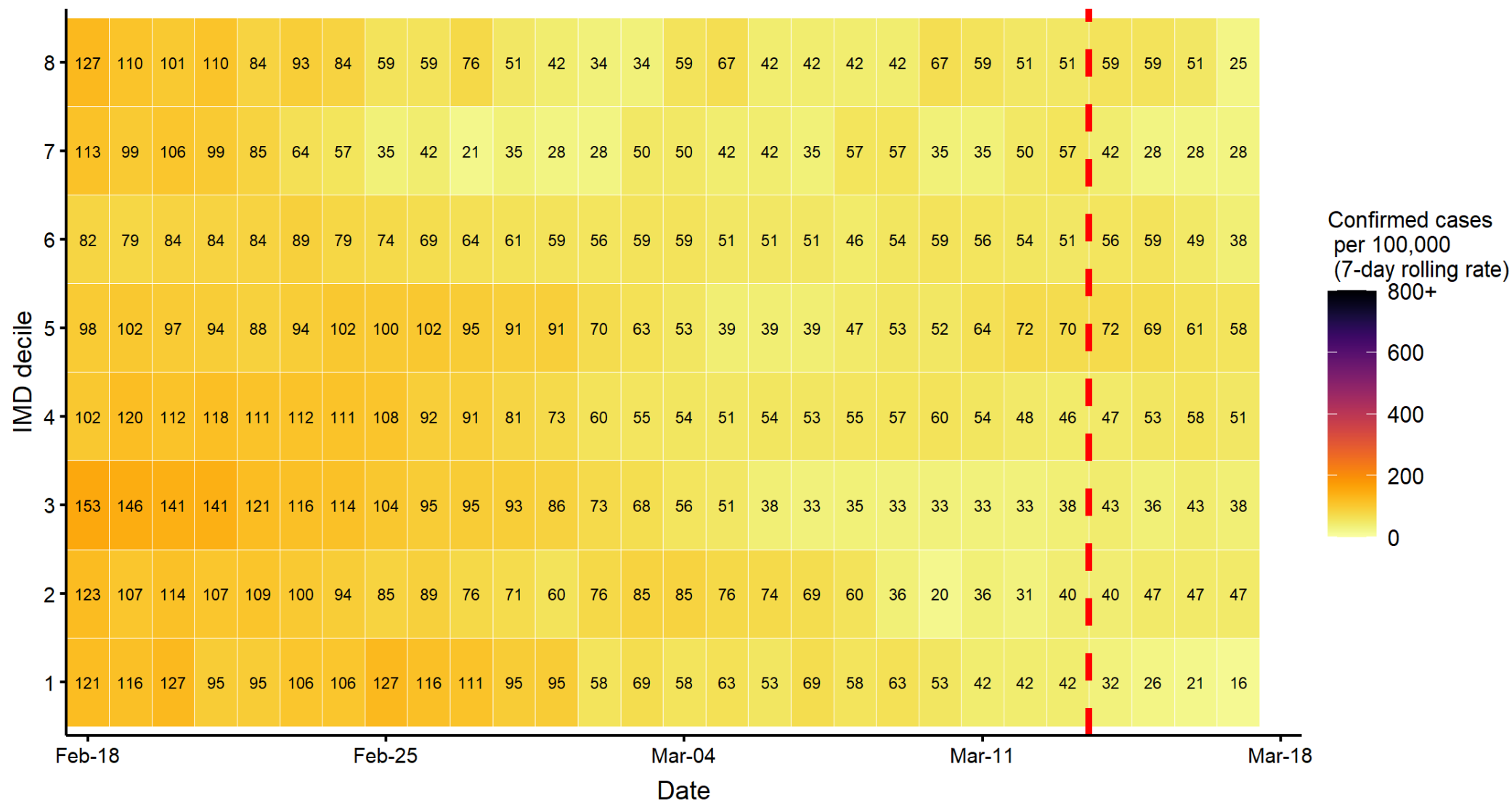
IMD specific 7-day rolling case rates per 100,000 population using IMD of LSOA of usual residence (1 = most deprived, 10 = least deprived) in Brent

January 14th 2021 to February 6th 2021. Where an IMD is not present in local denominator data, it is not shown. The red dashed line denotes the 4 most recent days that are subject to reporting delays.



IMD specific 7-day rolling case rates per 100,000 population using IMD of LSOA of usual residence (1 = most deprived, 10 = least deprived) in Brent from February 18 to March 17, 2021.

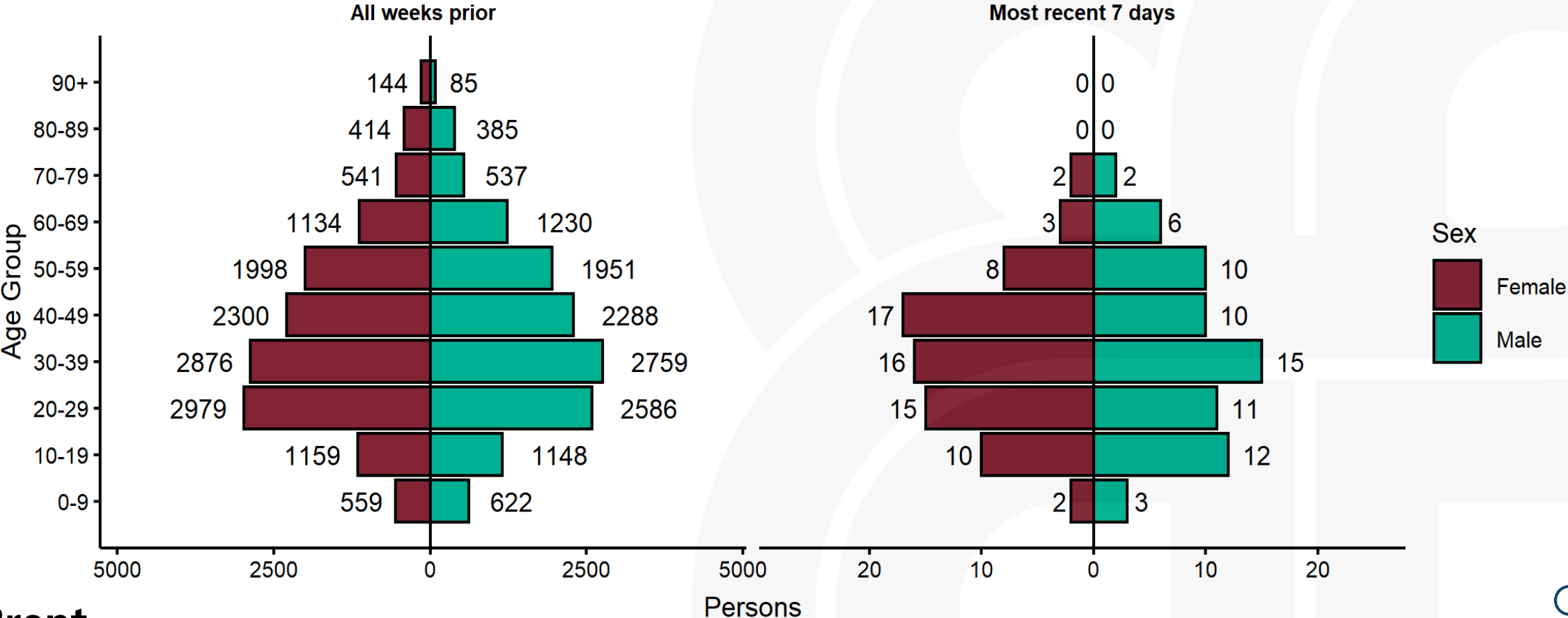
Where an IMD is not present in local denominator data, it is not shown.
The red dashed line denotes the 4 most recent days that are subject to reporting delays.



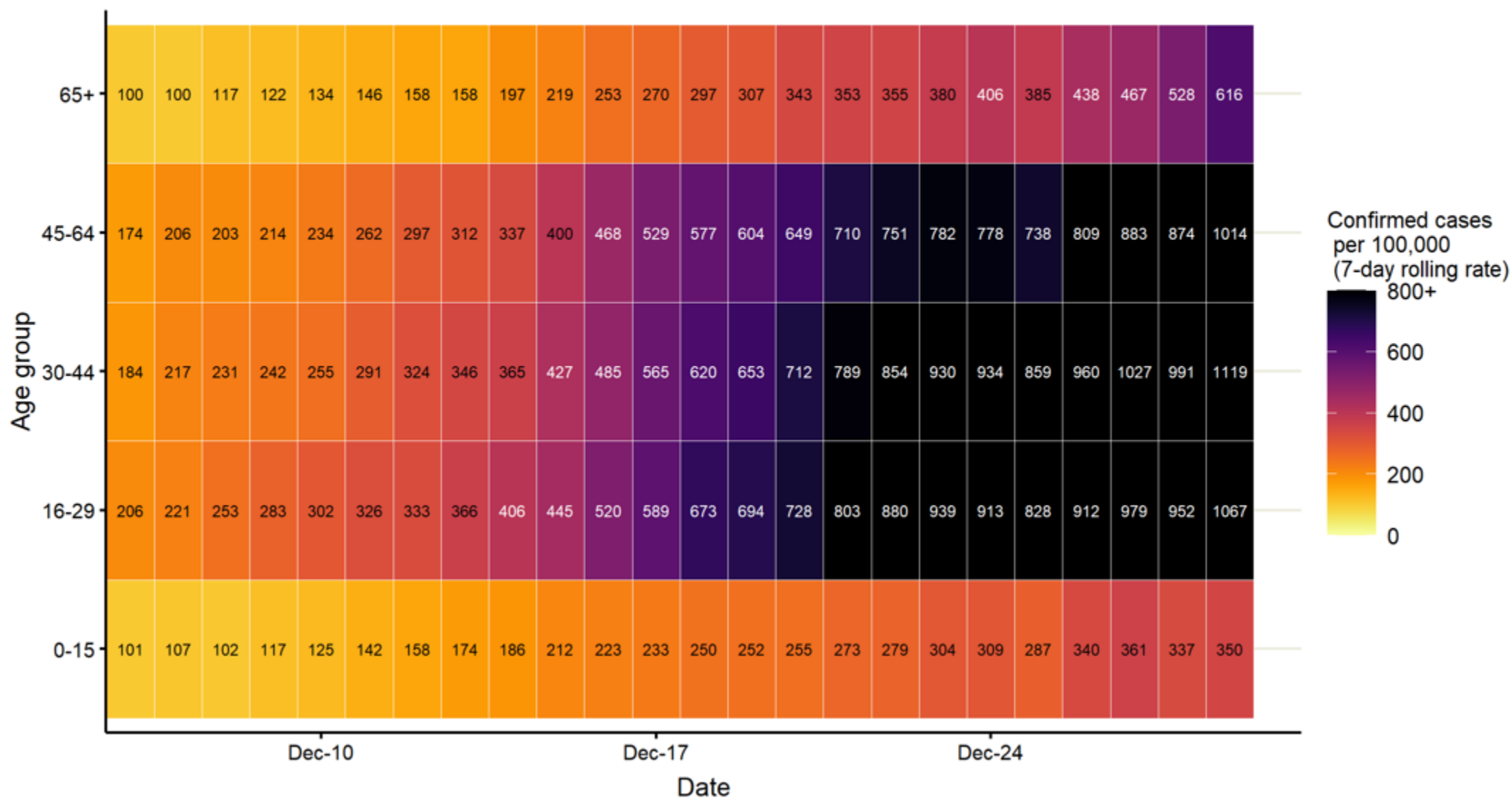
Source: Public Health England (PHE) - Epidemiology of laboratory-confirmed COVID-19 cases in Brent

3.5 Covid-19 cases in Brent by Age and Sex

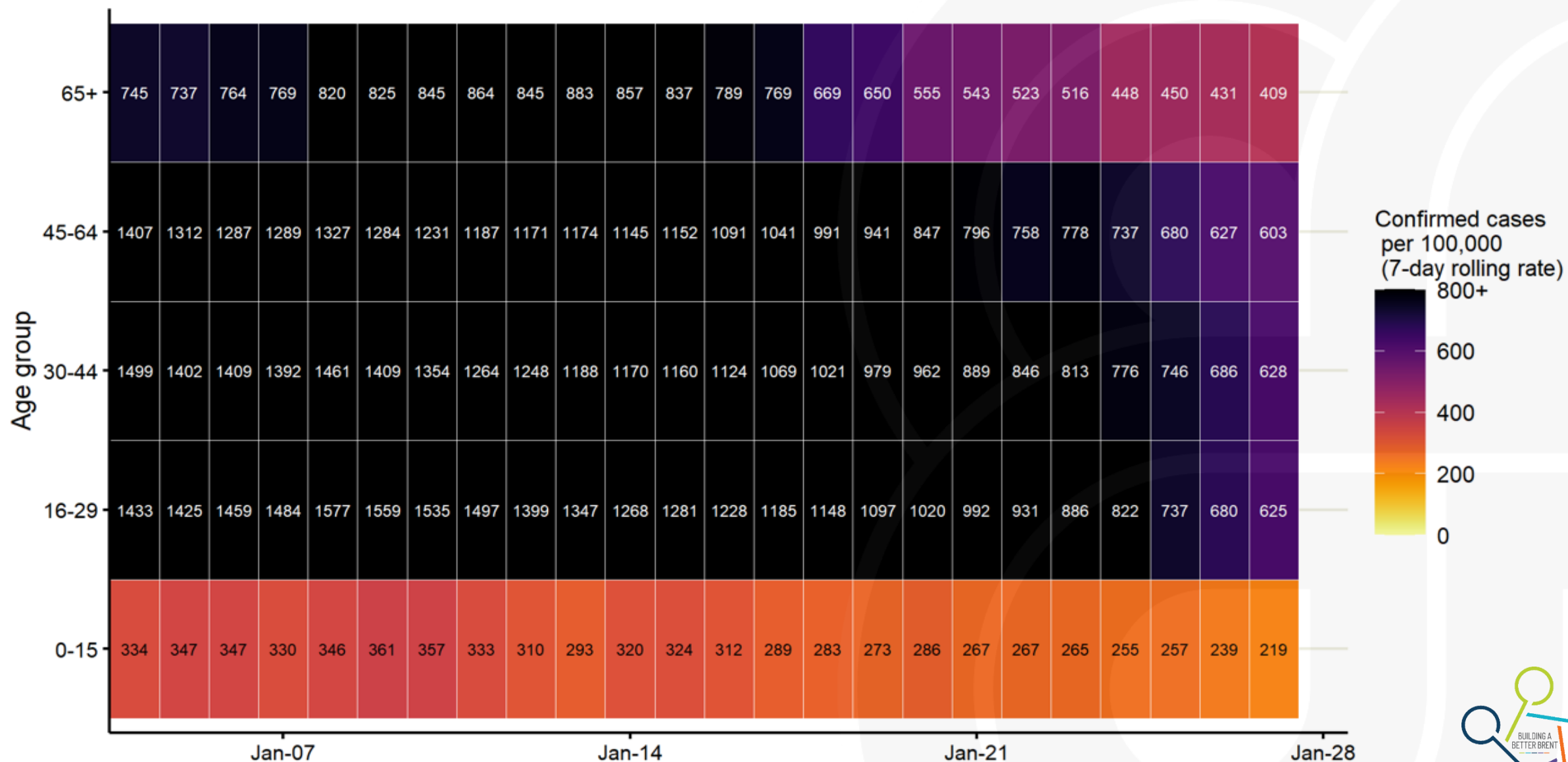
Age sex profile of confirmed case numbers in Brent: comparison between most recent 7 day period (March 11 to March 17 2021) and the rest of the epidemic (January 2020 to March 10, 2021), showing 10-year age bands.



Heat maps of age-specific case rates per 100,000 people *Rates are calculated excluding data from the last four days due to reporting delays.*



Heat maps of age-specific case rates per 100,000 people Rates are calculated excluding data from the last four days due to reporting delays. Data from the 4th January 2021 up to the 27th January, 2021

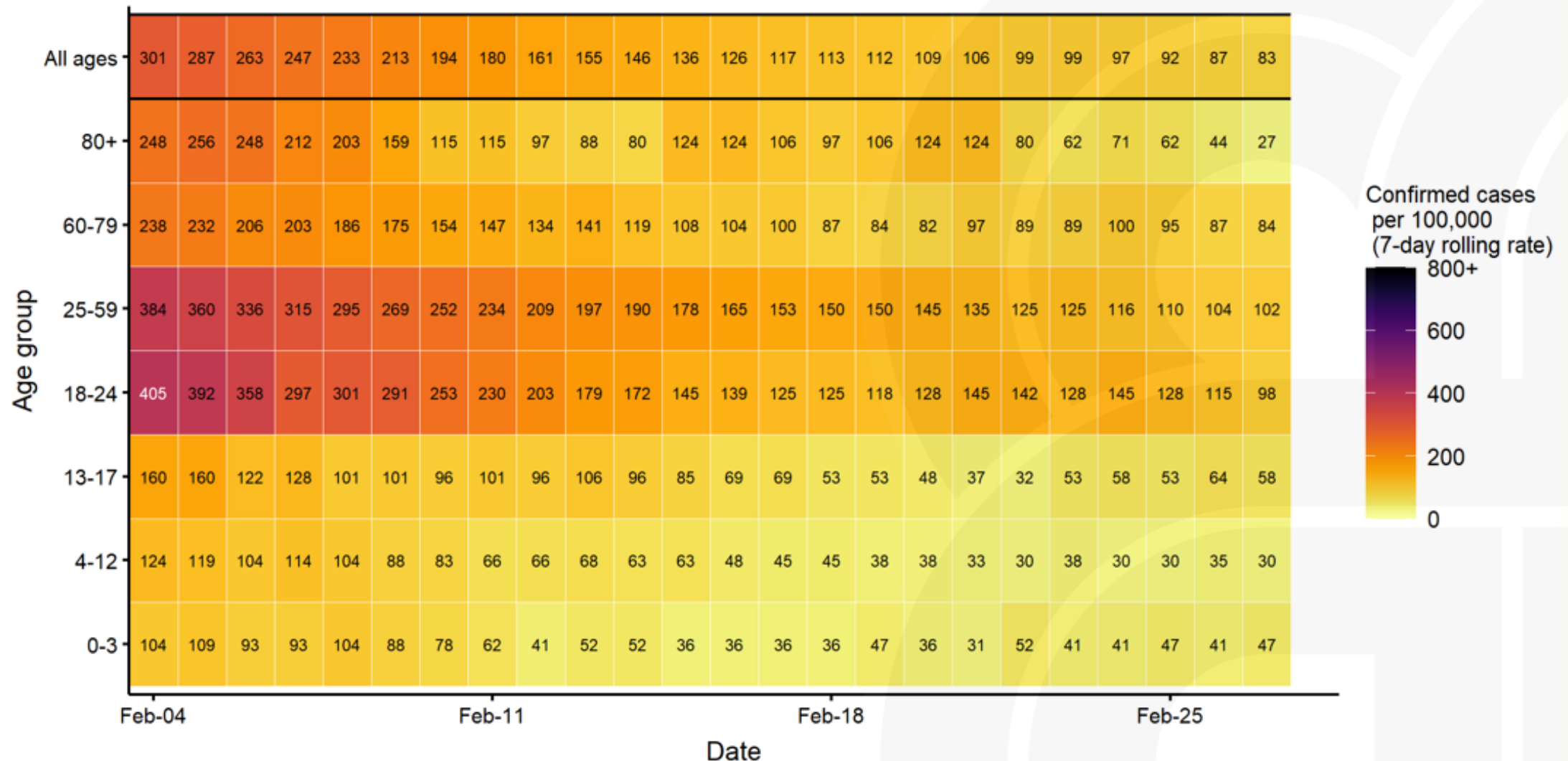


Brent

Source: Public Health England (PHE) - Epidemiology of laboratory-confirmed COVID-19 cases in Brent



Age-specific 7-day rolling case rates per 100,000 population, Brent, February 4 to February 27, 2021, highlighting age groups of interest. *4 most recent days excluded due to reporting delays.*



An issue with the denominators for 80+ was corrected on 23/02/2021, because of this rates for that age group will be lower than in earlier reports.



Brent

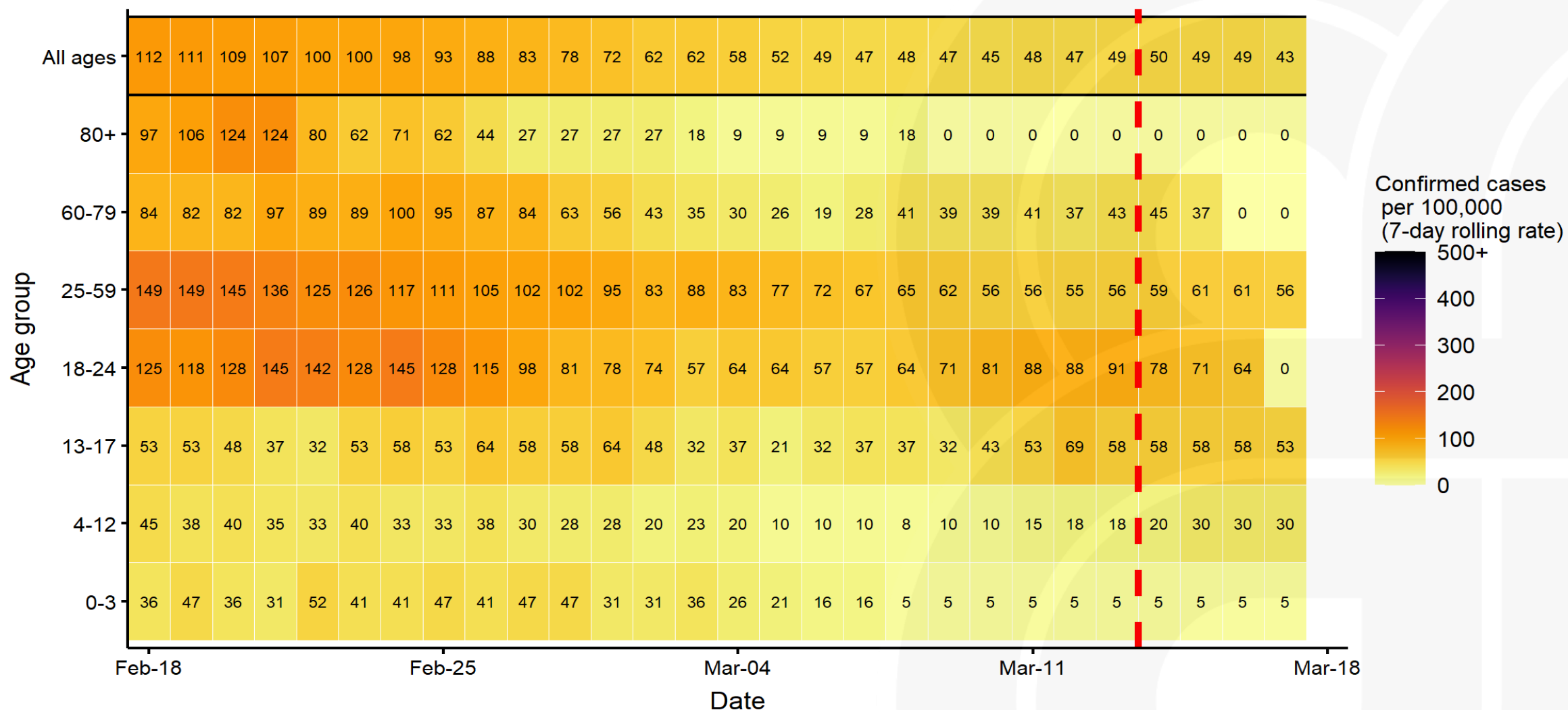
Source: Public Health England (PHE) - Epidemiology of laboratory-confirmed COVID-19 cases in Brent



Age-specific 7-day rolling case rates per 100,000 population in Brent

February 18 to March 17, 2021, highlighting age groups of interest.

The red dashed line denotes the 4 most recent days that are subject to reporting delays.



An issue with the denominators for 80+ was corrected on 23/02/2021, because of this rates for that age group will be lower than in earlier reports.



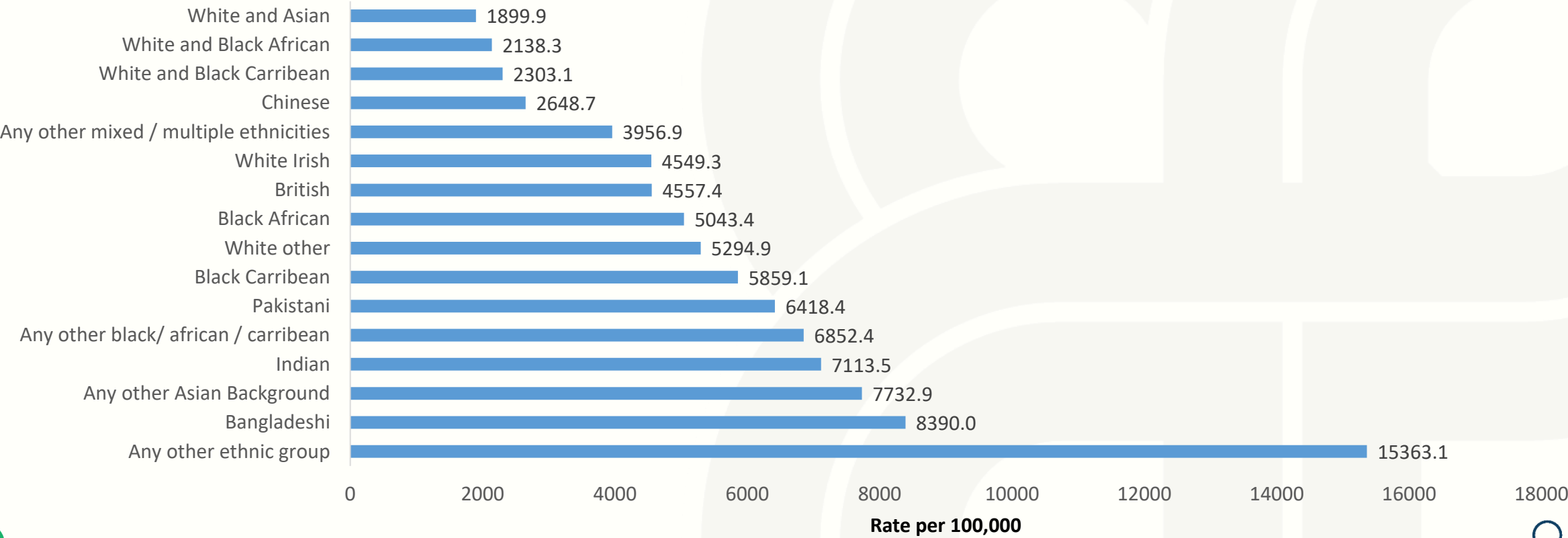
Brent

Source: Public Health England (PHE) - Epidemiology of laboratory-confirmed COVID-19 cases in Brent



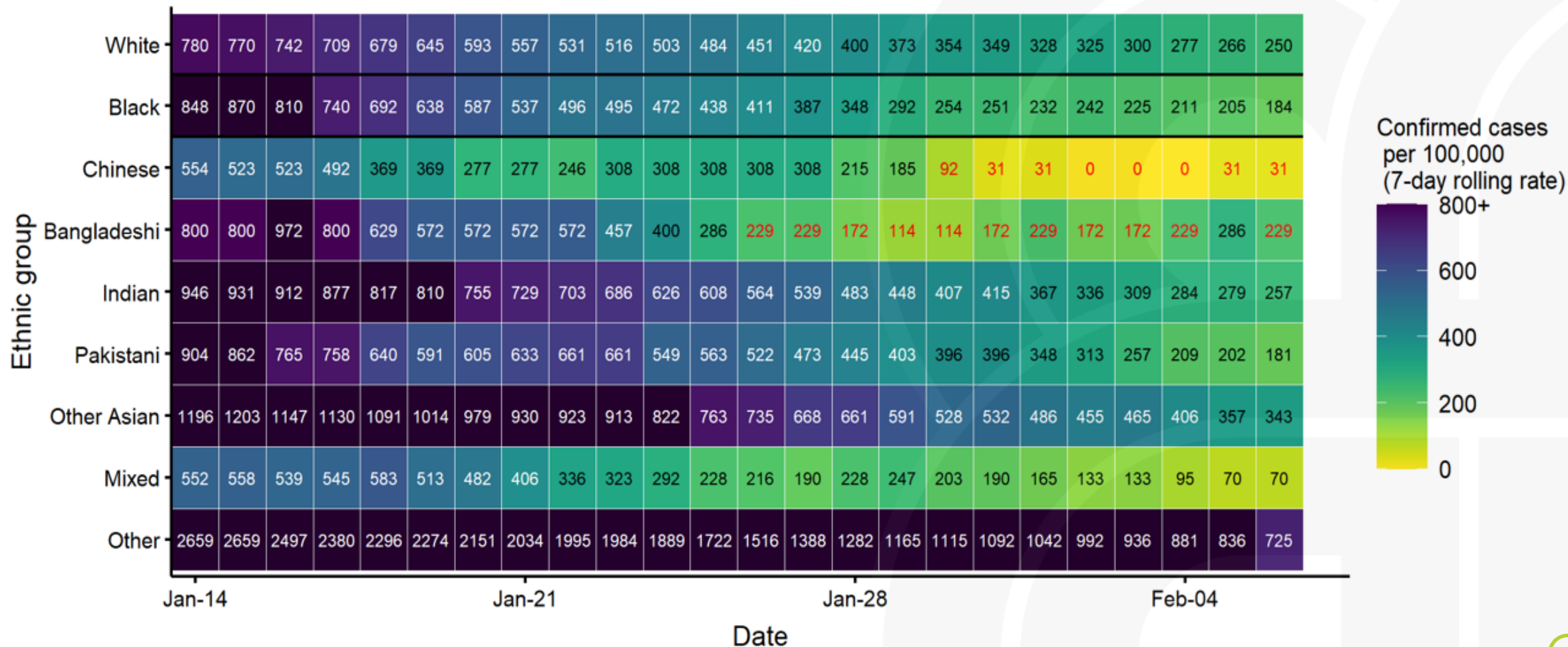
3.6 Covid-19 cases in Brent by Ethnicity

Cumulative COVID-19 case rate per 100,000 population in Brent by Ethnicity. Data from 7th March, 2020 up to the 22nd March, 2021



Ethnicity specific 7-day rolling case rates per 100,000 population in Brent

January 14 to February 6, 2021, highlighting age groups of interest.
The 4 most recent days that are subject to reporting delays.



Excluding 7% ethnicity data classified as Na or Unknown.

Where text is red rates should be interpreted with caution as underlying case numbers are <5.



Brent

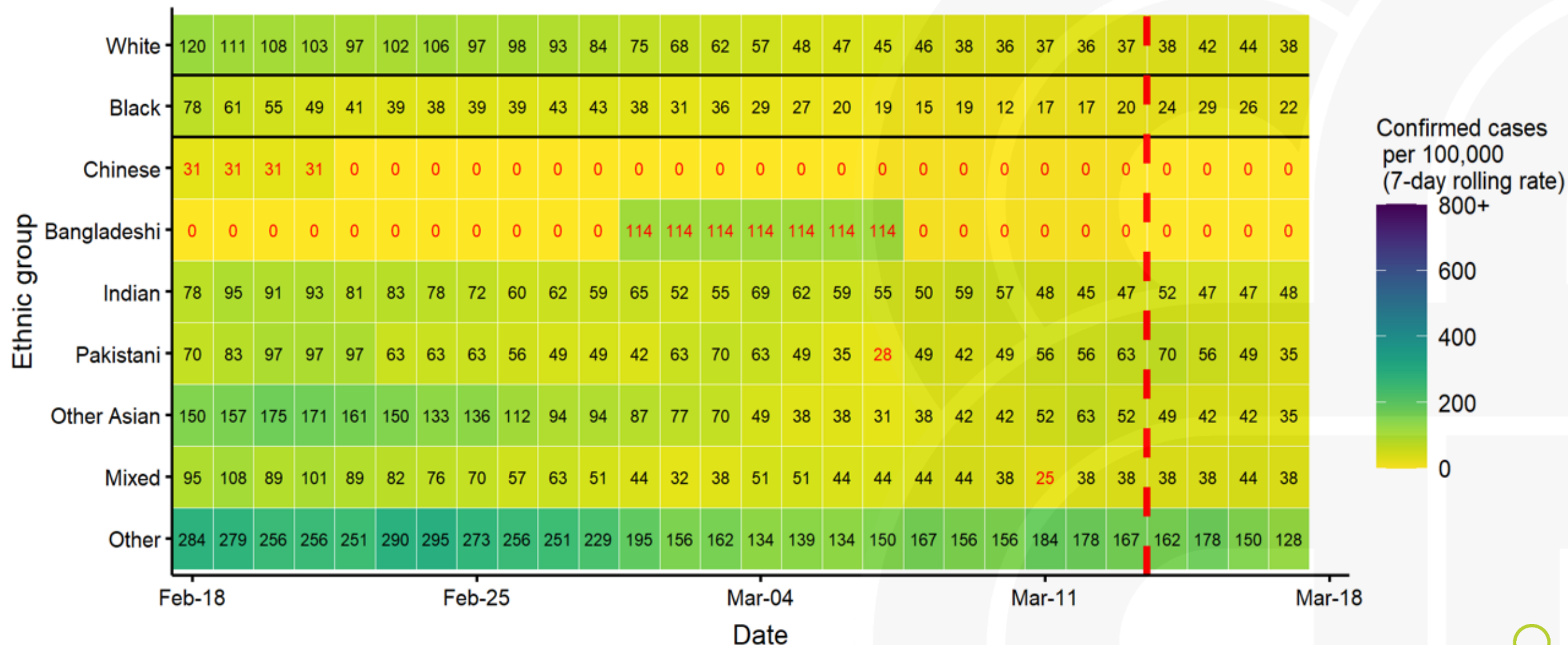
Source: Public Health England (PHE) - Epidemiology of laboratory-confirmed COVID-19 cases in Brent



Ethnicity specific 7-day rolling case rates per 100,000 population in Brent

February 18 to March 17, 2021, highlighting age groups of interest.

The red dashed line denotes the 4 most recent days that are subject to reporting delays.



Excluding 8.4% ethnicity data classified as Na or Unknown.

Where text is red rates should be interpreted with caution as underlying case numbers are <5.



Brent

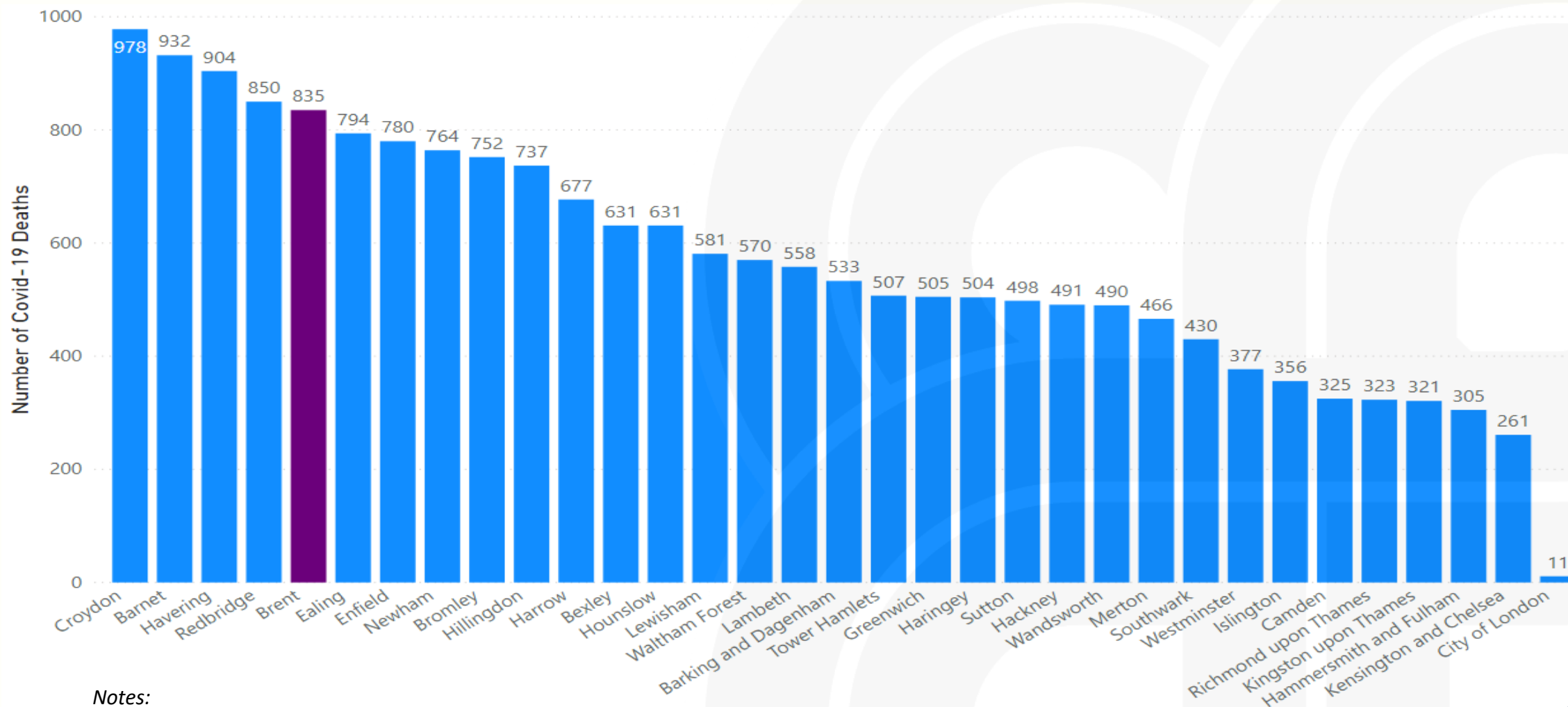
Source: Public Health England (PHE) - Epidemiology of laboratory-confirmed COVID-19 cases in Brent



COVID-19 Deaths

4.1 Covid-19 Deaths in London borough (Cumulative overview)

As of the 27th February, 2021 Brent has the fifth highest number of cumulative deaths in London, with a total of 835 covid-19 deaths recorded since 2020.

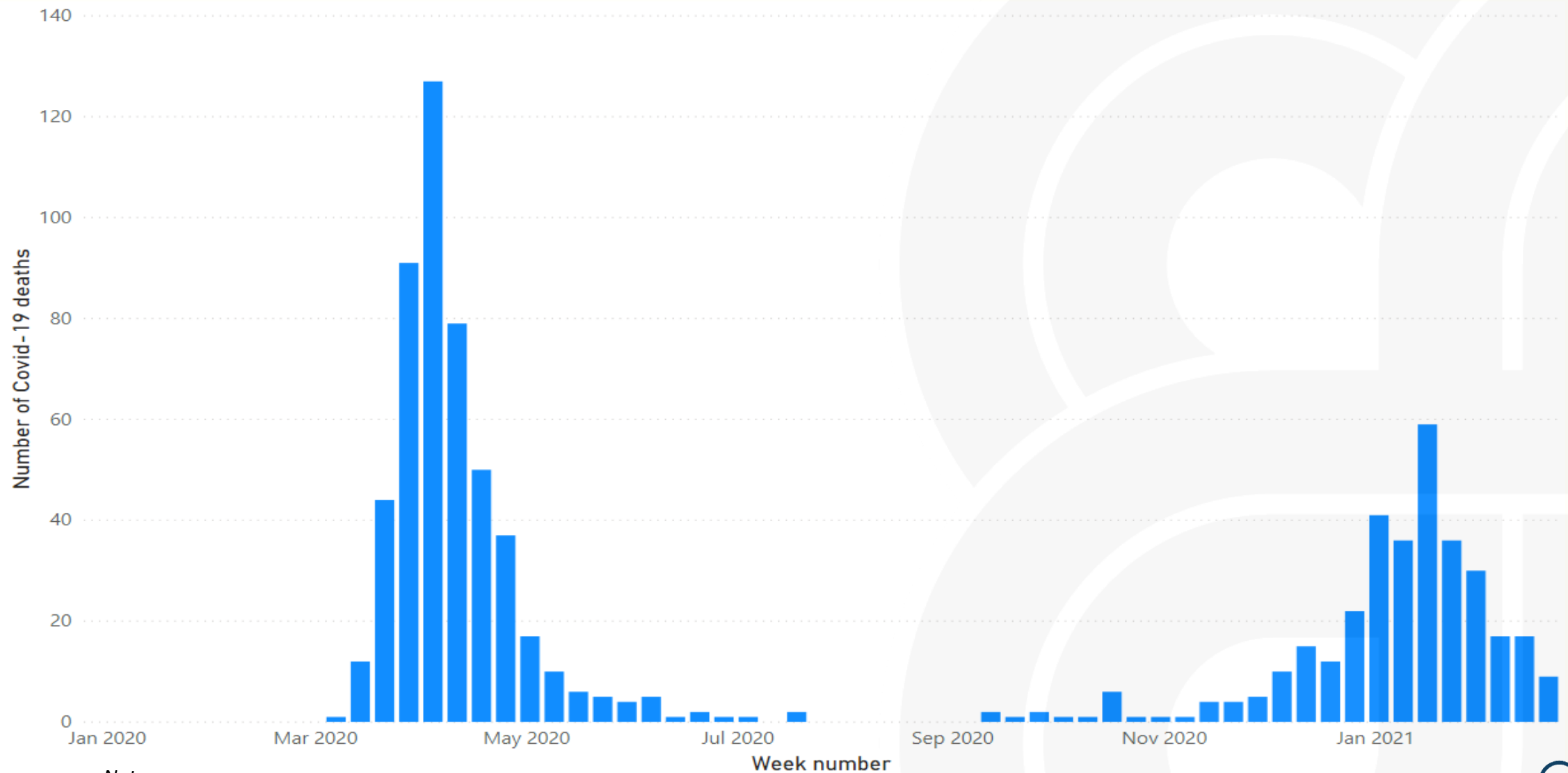


Notes:

- Includes deaths that occurred up to 5th March 2021 (Week 9 2021) but were registered up to 13th March 2021. Occurrences will rise as we receive more death registrations so data by week of occurrence are updated each week.

Link to data set: www.ons.gov.uk

Brent Covid-19 deaths (numbers). For deaths that occurred up to 26th February 2021 but were registered up to 6th March 2021.

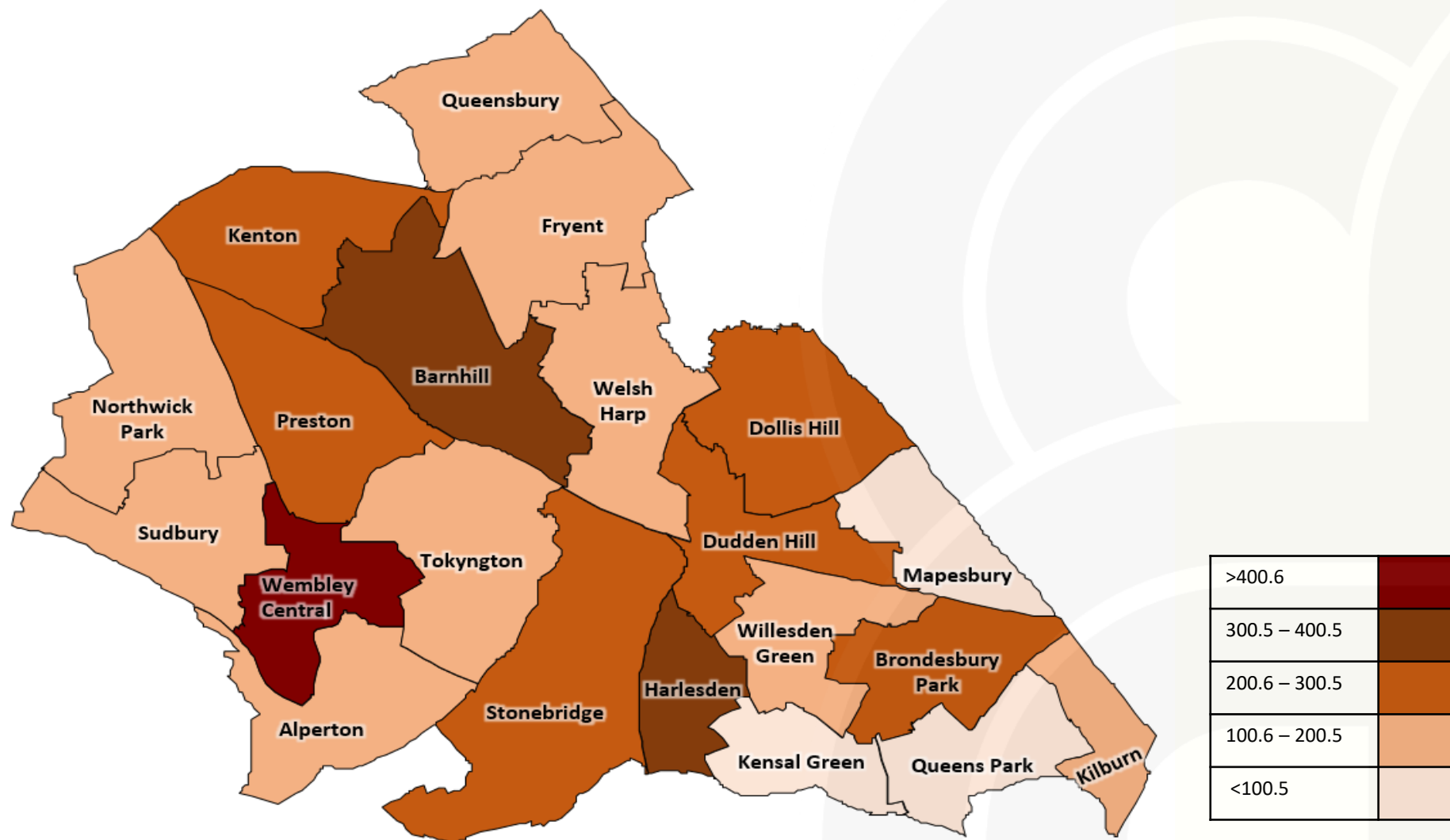


Notes:

- Includes deaths that occurred up to 26th February 2021 (Week 8 2021) but were registered up to 6th March 2021. Occurrences will rise as we receive more death registrations so data by week of occurrence are updated each week.

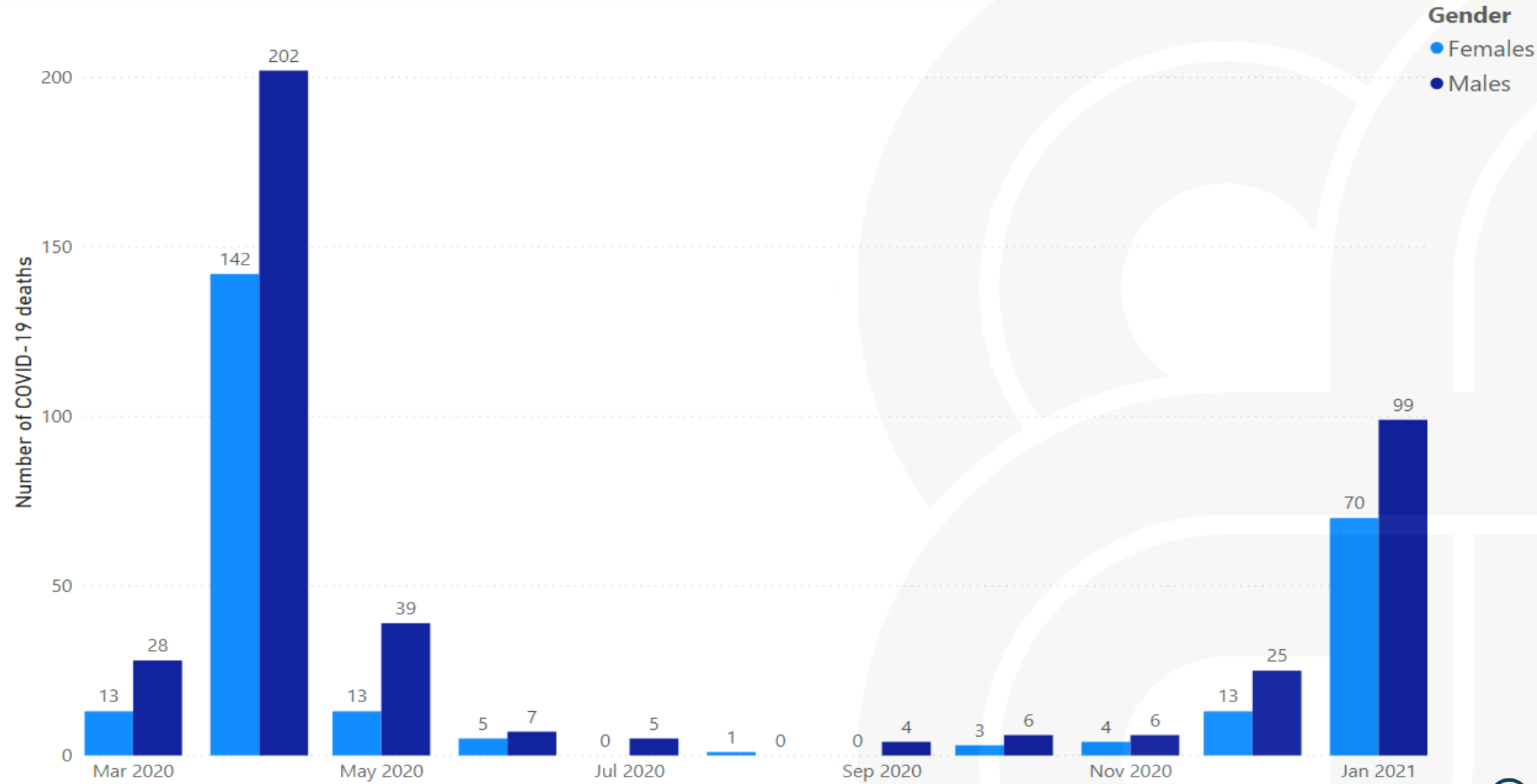
Link to data set: www.ons.gov.uk

Brent Covid-19 crude death rate per 100,000 population by wards . Data between March 2020 to January 2021.



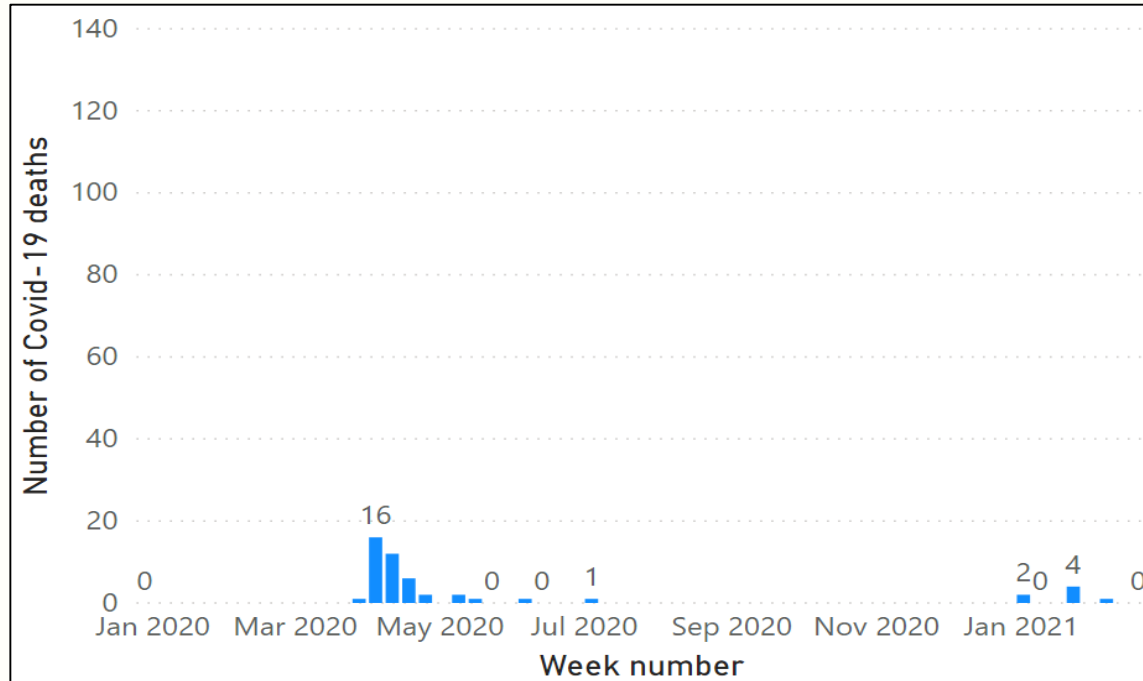
>400.6	
300.5 – 400.5	
200.6 – 300.5	
100.6 – 200.5	
<100.5	

Number of Covid-19 deaths in Brent by gender. For deaths that were registered between March 2020 and January 2021.

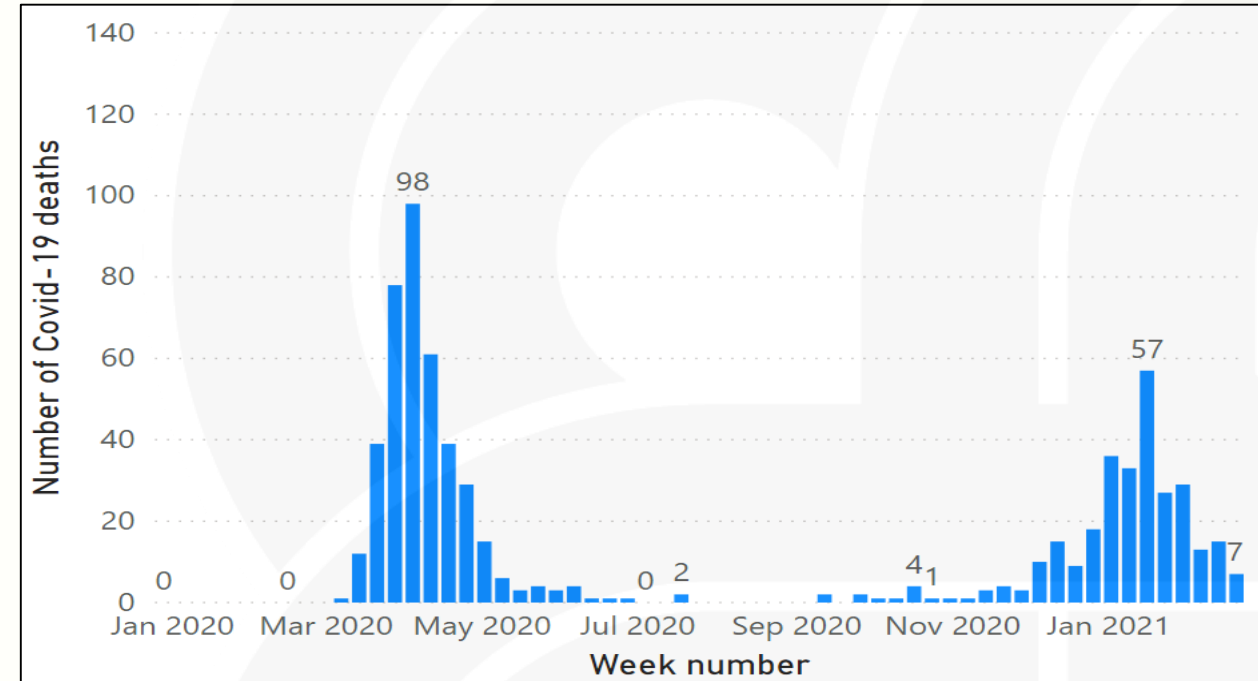


Brent Covid-19 deaths (numbers) by place of deaths. For deaths that occurred up to 26th February 2021 but were registered up to 6th March 2021.

Care Homes



Hospital



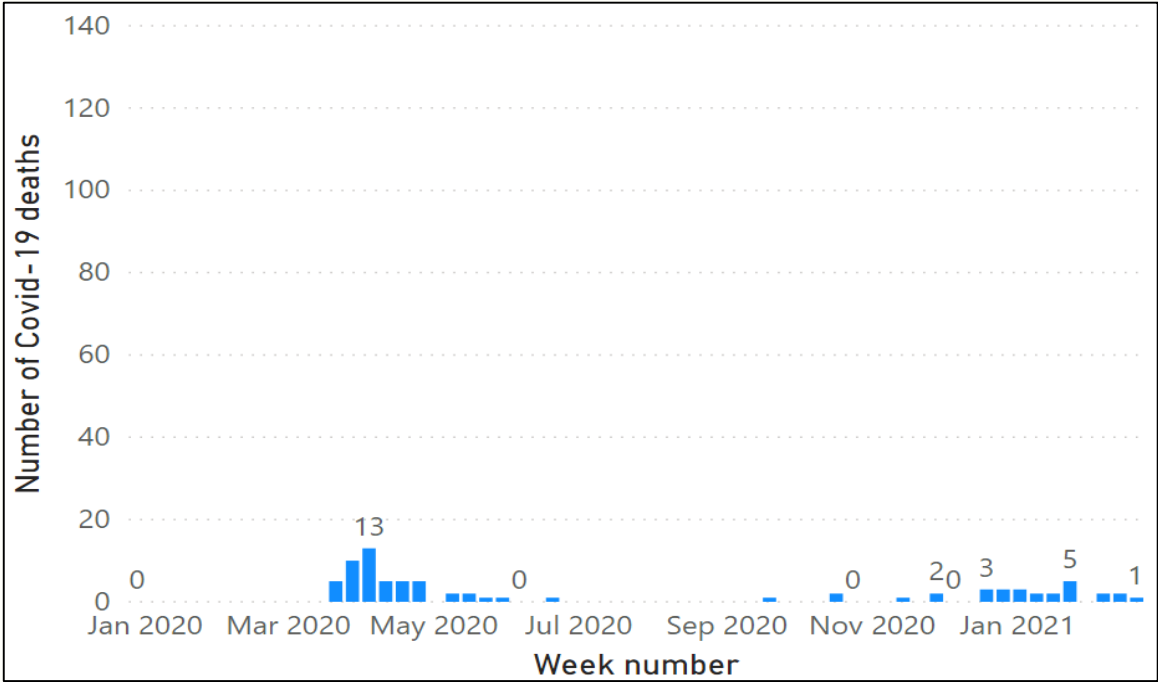
Notes:

- Includes deaths that occurred up to 26th February 2021 (Week 8 2021) but were registered up to 6th March 2021. Occurrences will rise as we receive more death registrations so data by week of occurrence are updated each week.

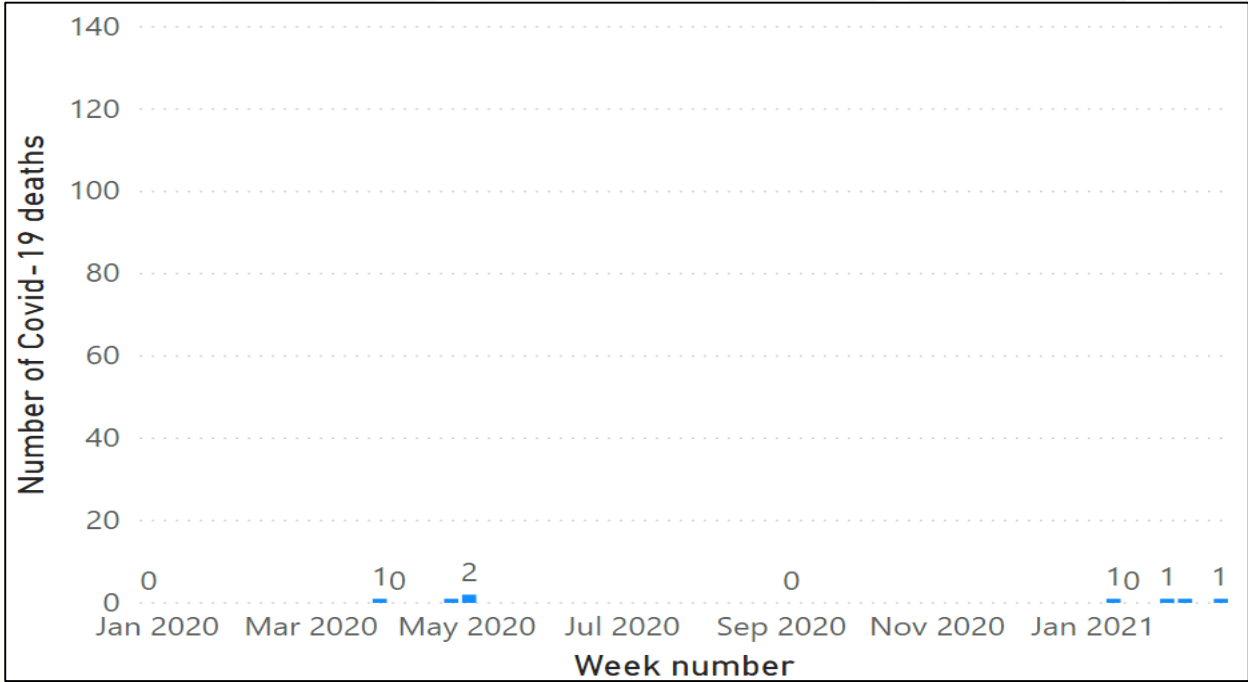
Link to data set: www.ons.gov.uk

Brent Covid-19 deaths (numbers) by place of deaths. For deaths that occurred up to 26th February 2021 but were registered up to 6th March 2021.

Home



Hospice



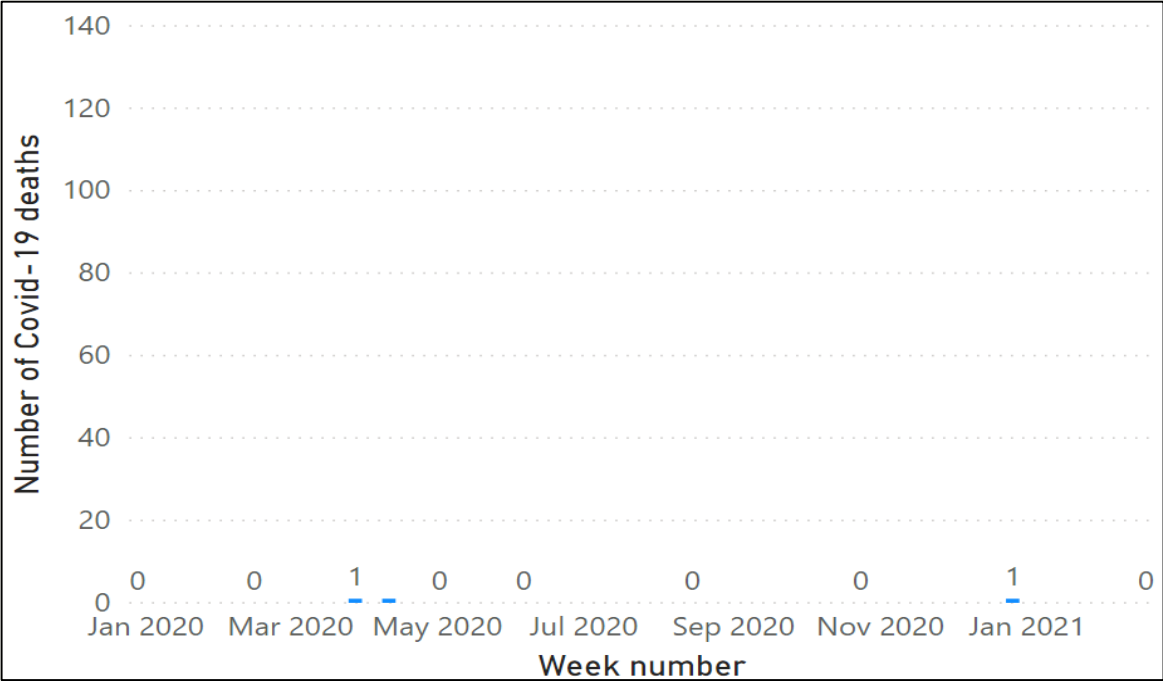
Notes:

- Includes deaths that occurred up to 26th February 2021 (Week 8 2021) but were registered up to 6th March 2021. Occurrences will rise as we receive more death registrations so data by week of occurrence are updated each week.

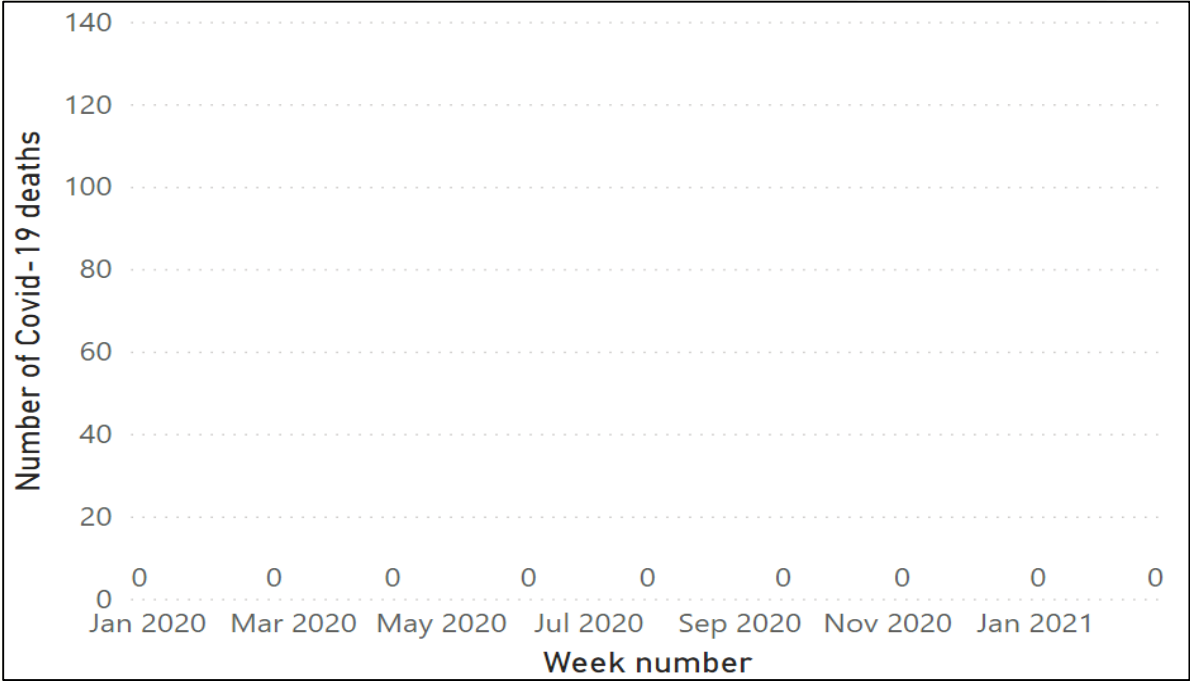
Link to data set: www.ons.gov.uk

Brent Covid-19 deaths (numbers) by place of deaths. For deaths that occurred up to 26th February 2021 but were registered up to 6th March 2021.

Elsewhere



Other Communal Establishments



Notes:

- Includes deaths that occurred up to 26th February 2021 (Week 8 2021) but were registered up to 6th March 2021. Occurrences will rise as we receive more death registrations so data by week of occurrence are updated each week.

Link to data set: www.ons.gov.uk

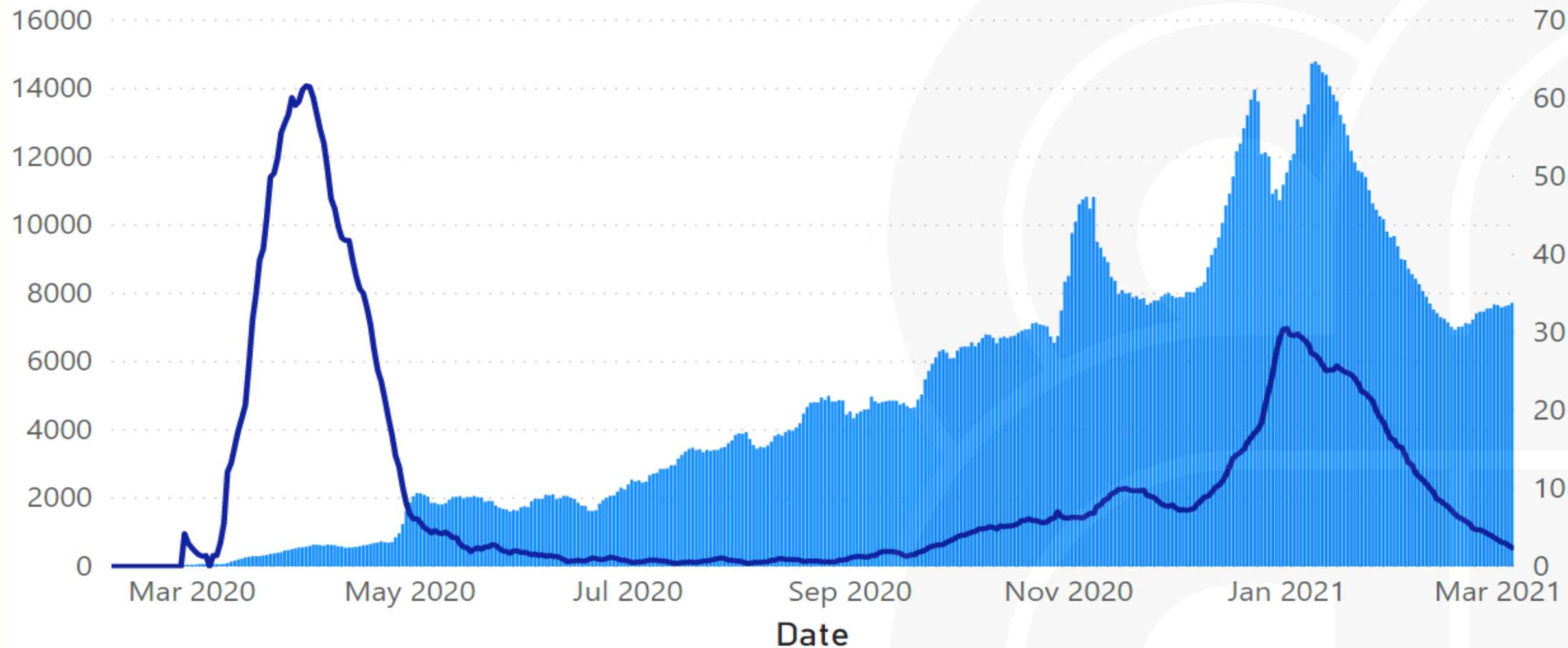
PCR Testing

5.1 PCR Testing

PCR testing sites locations in Brent



Brent weekly number of people receiving a PCR test and positivity. Data from 8th February, 2020 until 5th March, 2021.

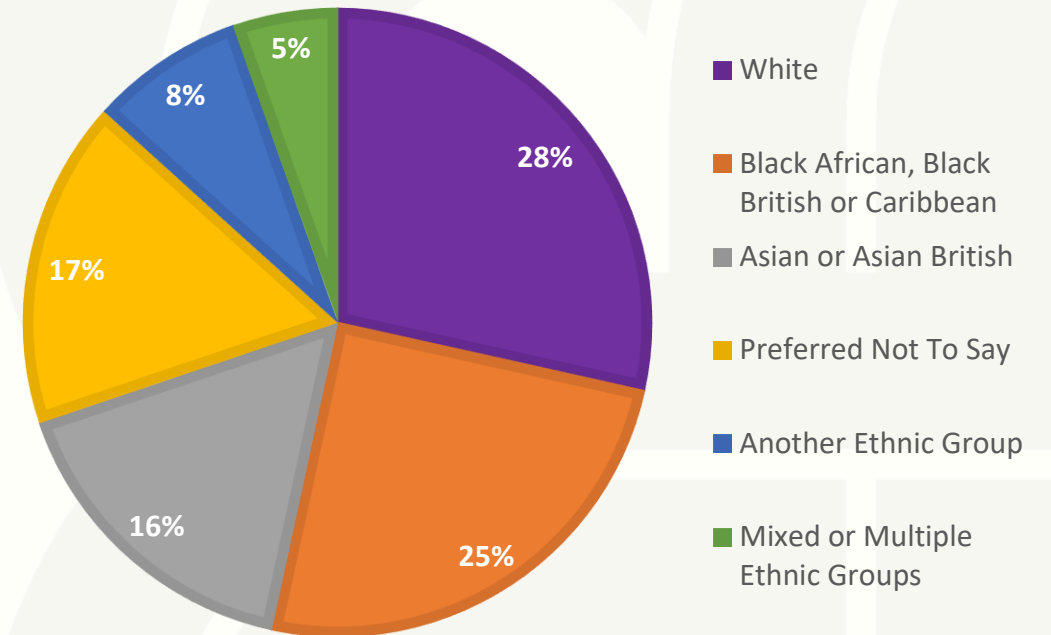


● Number of people tested in the previous 7 days (PCR) — 7-day PCR positivity

PCR Testing – Harlesden testing site

- Harlesden testing site opened as a PCR Testing site on the 9th of June 2020.

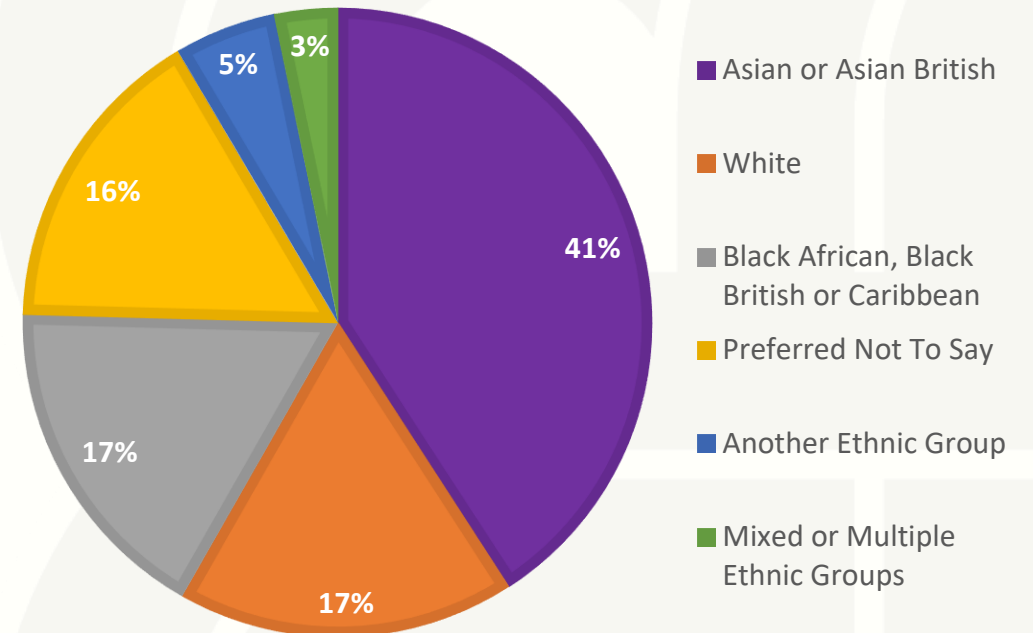
Ethnicity breakdown (%) of those completing COVID-19 tests



PCR Testing – Wembley testing site

- Harlesden testing site opened as a PCR Testing site on the 22nd September.

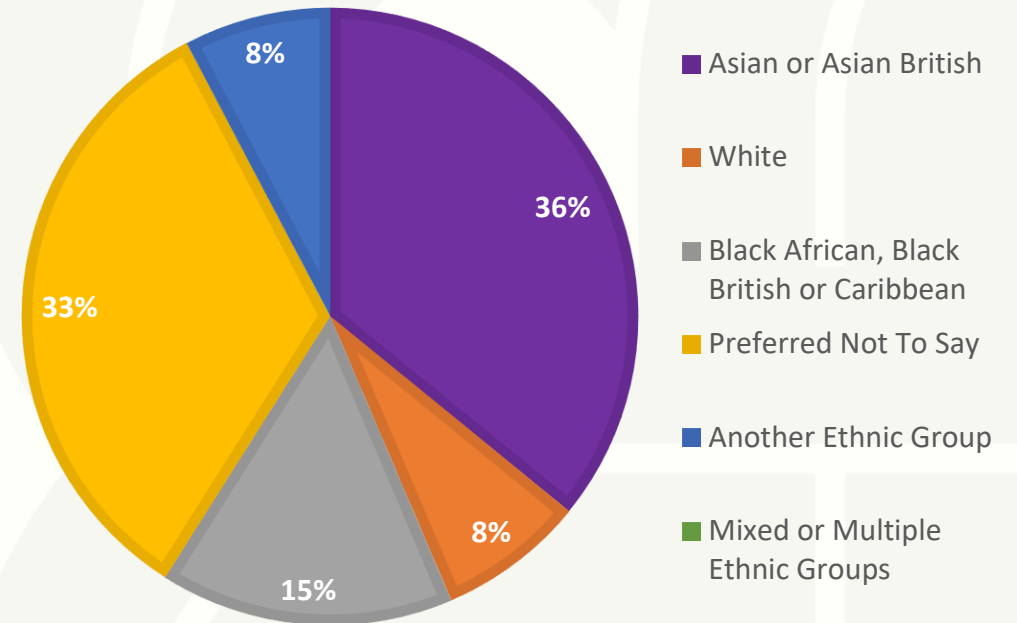
Ethnicity breakdown (%) of those completing COVID-19 tests



PCR Testing – Northwick Park testing site

- Harlesden testing site opened as a PCR Testing site on the 21st December 2020, with a total of 38 test completed so far.

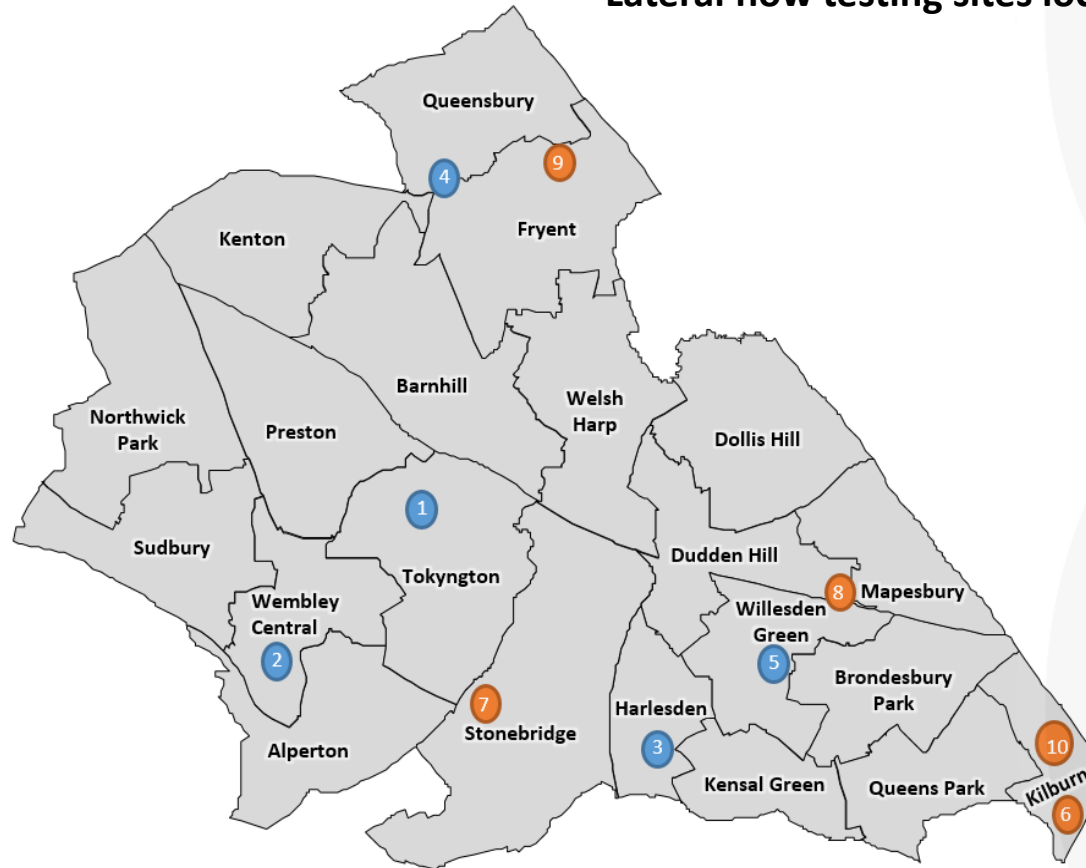
Ethnicity breakdown (%) of those completing COVID-19 tests



Lateral Flow Testing

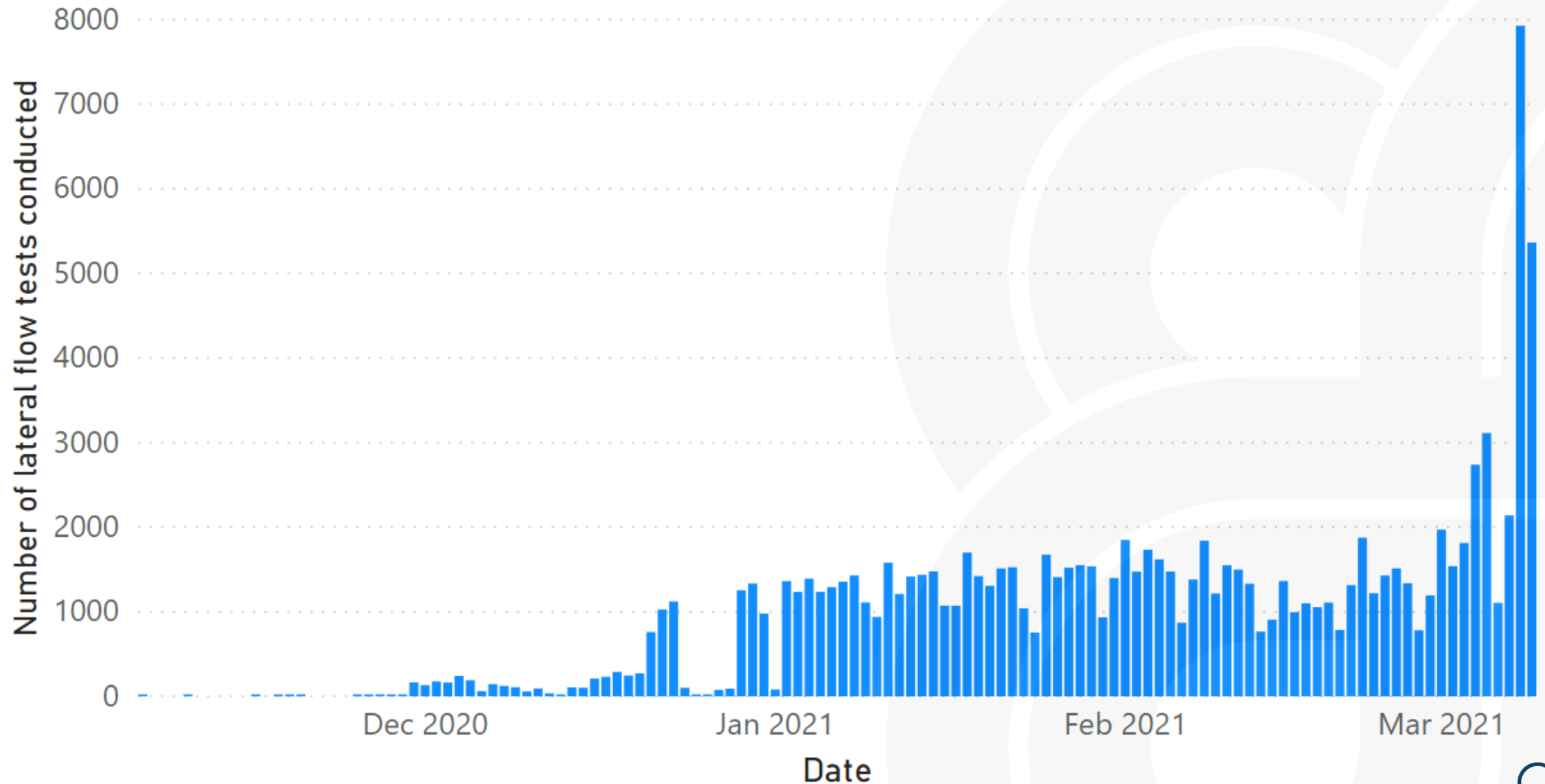
5.2 Lateral Flow Testing

Lateral flow testing sites locations in Brent



- 1 Brent Civic Centre
- 2 Ealing Road Library
- 3 Harlesden Library
- 4 Kingsbury Library
- 5 Willesden Green Library
- 6 Marian Community Centre (Closed)
- 7 Bridge Park Community Centre (Closed)
- 8 Brent Central Mosque (Closed)
- 9 Father O'Callaghan Centre (Closed)
- 10 The Granville (Closed)

Number of lateral flow test conducted in Brent by Brent Council. Data from 6th November, 2020 until 9th March, 2021.



Lateral Flow Testing – Overall Demographic Analysis

About our visitors

- **66%** of visitors live in Brent
- **24%** of visitors work in Brent
- **2%** of visitors are Ealing residents
- **2%** are University students
- **1%** work in Brent schools

Ethnicity

- **53%** of visitors are white
- **29%** of visitors are Asian
- **9%** of visitors are black
- **4%** are of mixed or multiple ethnic backgrounds
- **5%** identified as 'other'

Lateral Flow Testing – Overall Demographic Analysis

Age profiles

- **30-39 years old** is the most frequent age group
- **20-29 years old** the second most frequent
- **40-49 years old** the third most frequent
- **154** people between **80-89 years old** have visited a Brent LFT site
- **9** people over the age of **90 years old** have been tested at a Brent LFT site

Key workers

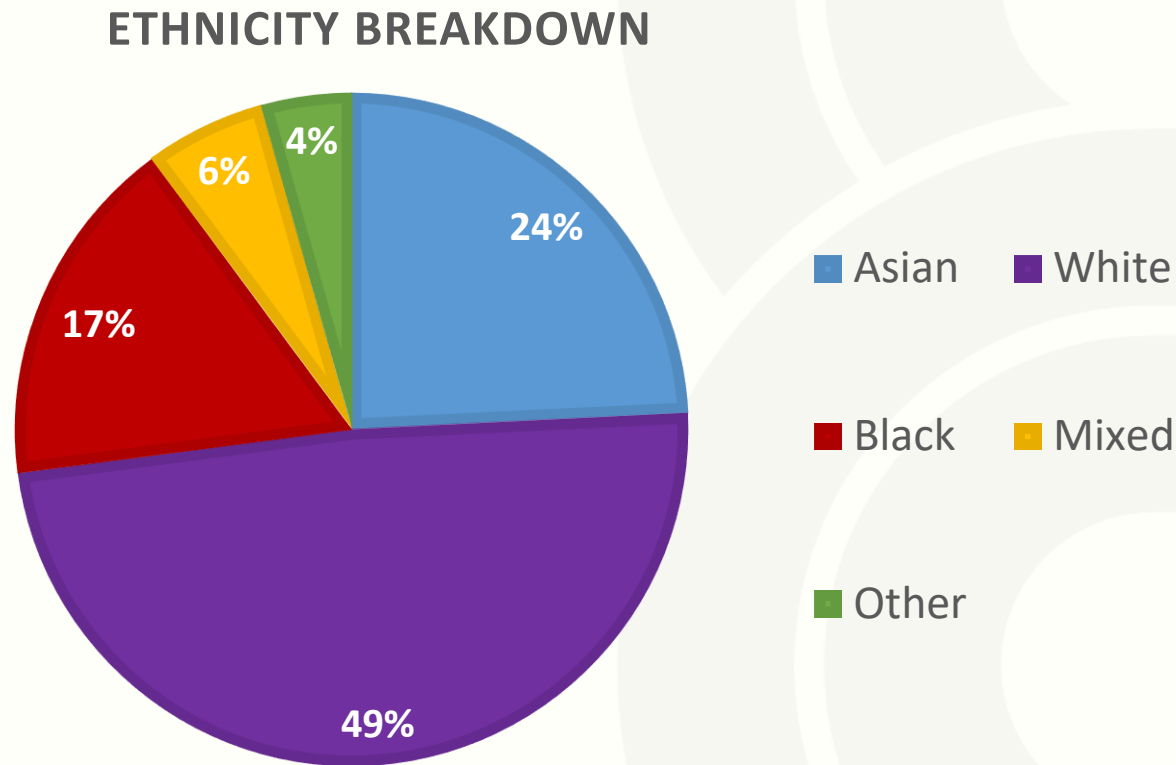
- **39%** of total visitors are Key Workers

Gender

- **49%** Female
- **51%** Male

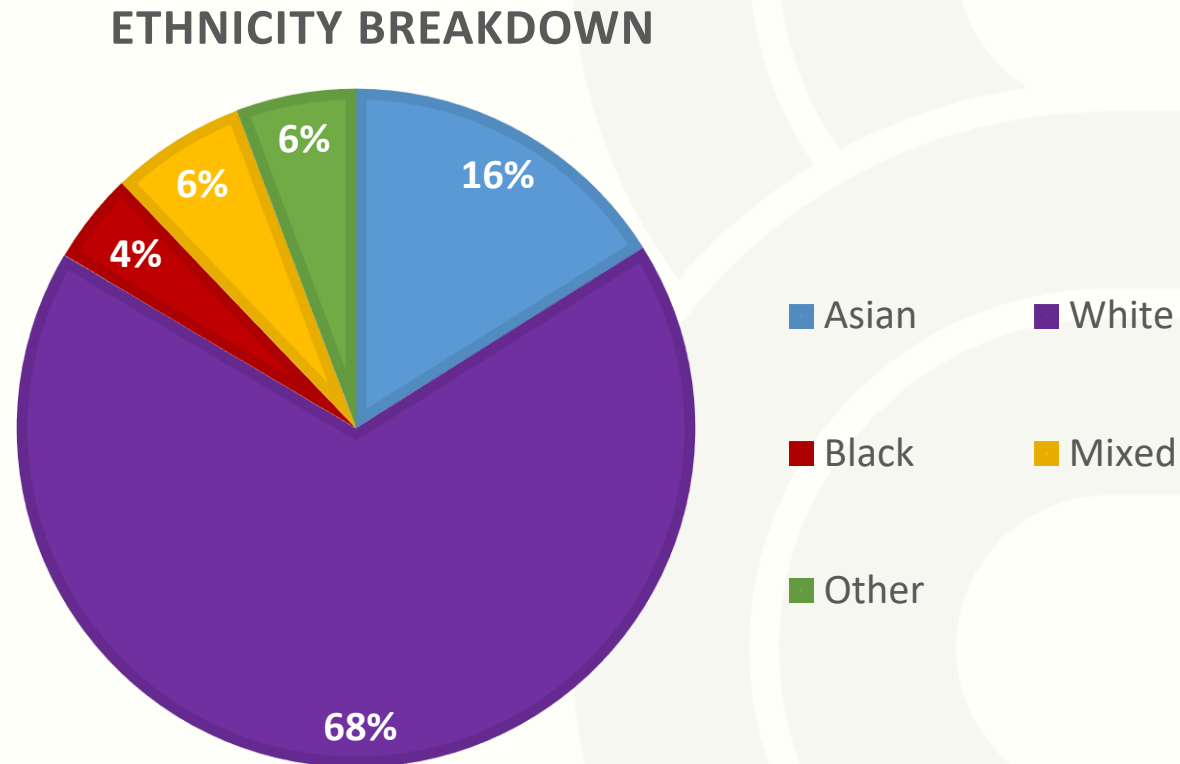
Lateral Flow Testing Sites – Bridge Park Community Centre

- Bridge Park Community Centre opened as a Lateral Flow Testing site on the 21st December, 2020 and closed on the 28th February, 2021.
- In total 4,880 lateral flow tests were conducted at Bridge Park.
- Below is an ethnicity breakdown of all the people who took a lateral flow test at Bridge Park Community Centre.



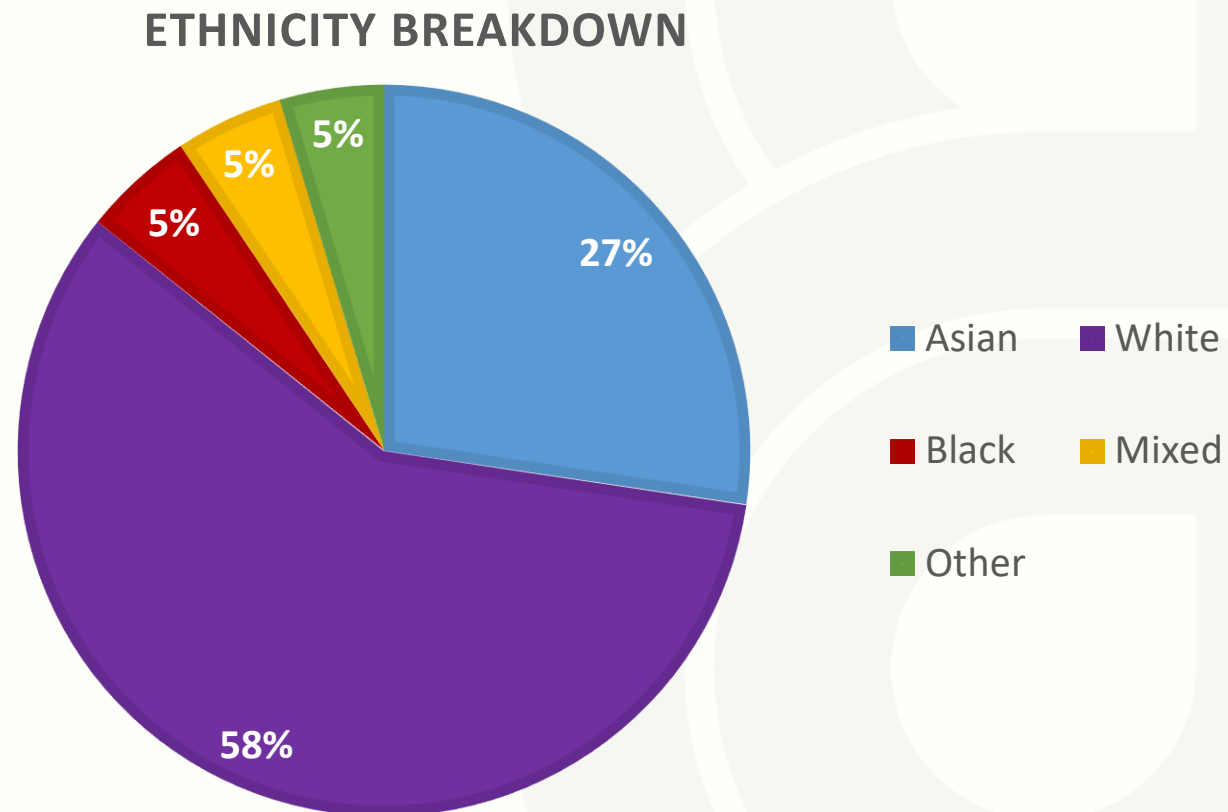
Lateral Flow Testing Sites – Brent Central Mosque

- Brent Central Mosque opened as a Lateral Flow Testing site on the 21st December, 2020 and closed on the 28th February, 2021.
- In total 4,502 lateral flow tests were conducted at Central Mosque
- Below is an ethnicity breakdown of all the people who took a lateral flow test at Brent Central Mosque.



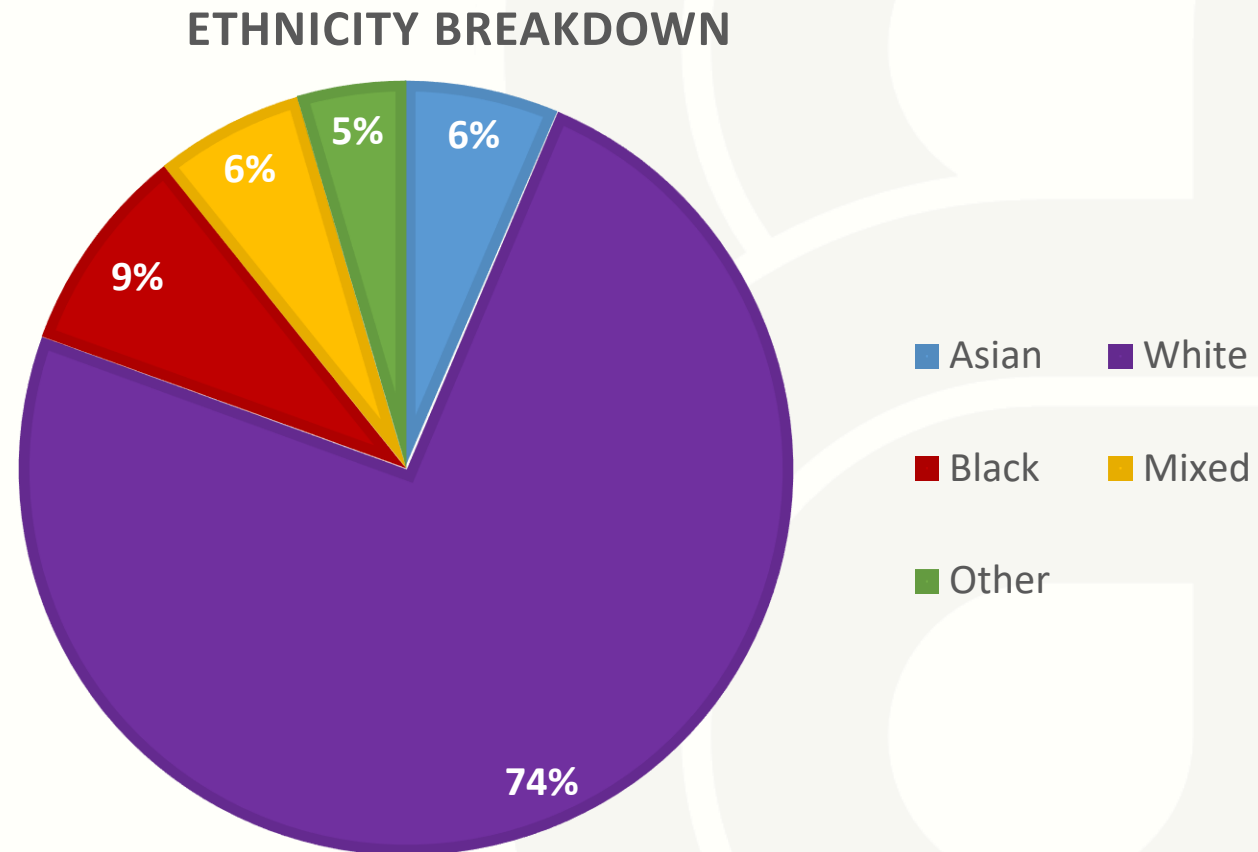
Lateral Flow Testing Sites – Father O’Callaghan Centre

- The Father O’Callaghan Centre opened as a Lateral Flow Testing site on the 21st December, 2020 and closed on the 28th February, 2021.
- In total 4,186 lateral flow tests were conducted at Father O’Callaghan Centre.
- Below is an ethnicity breakdown of all the people who took a lateral flow test at the Father O’Callaghan Centre.



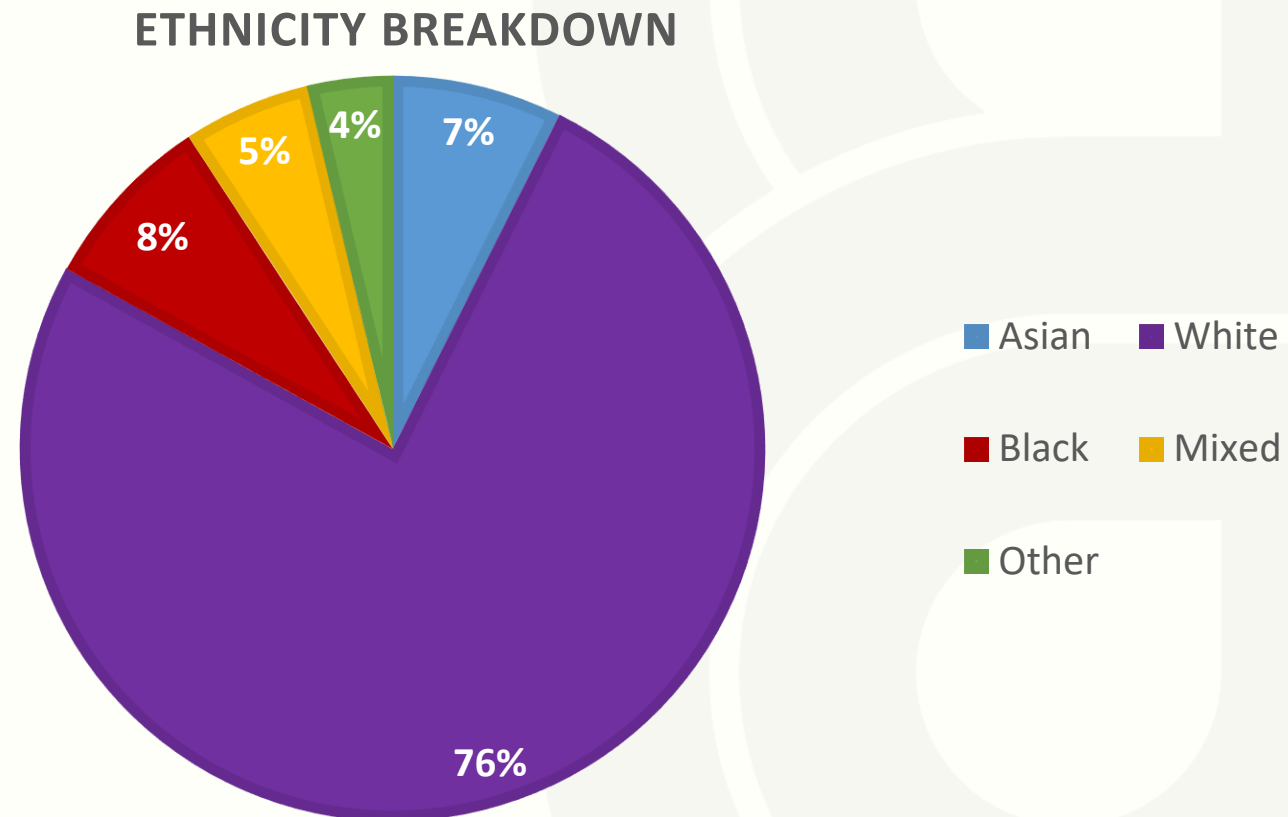
Lateral Flow Testing Sites – The Granville

- The Granville opened as a Lateral Flow Testing site on the 21st December, 2020 and closed on the 1st February, 2021.
- In total 3,395 lateral flow tests were conducted at the Granville.
- Below is an ethnicity breakdown of all the people who took a lateral flow test at the Granville.



Lateral Flow Testing Sites – Marian Community Centre

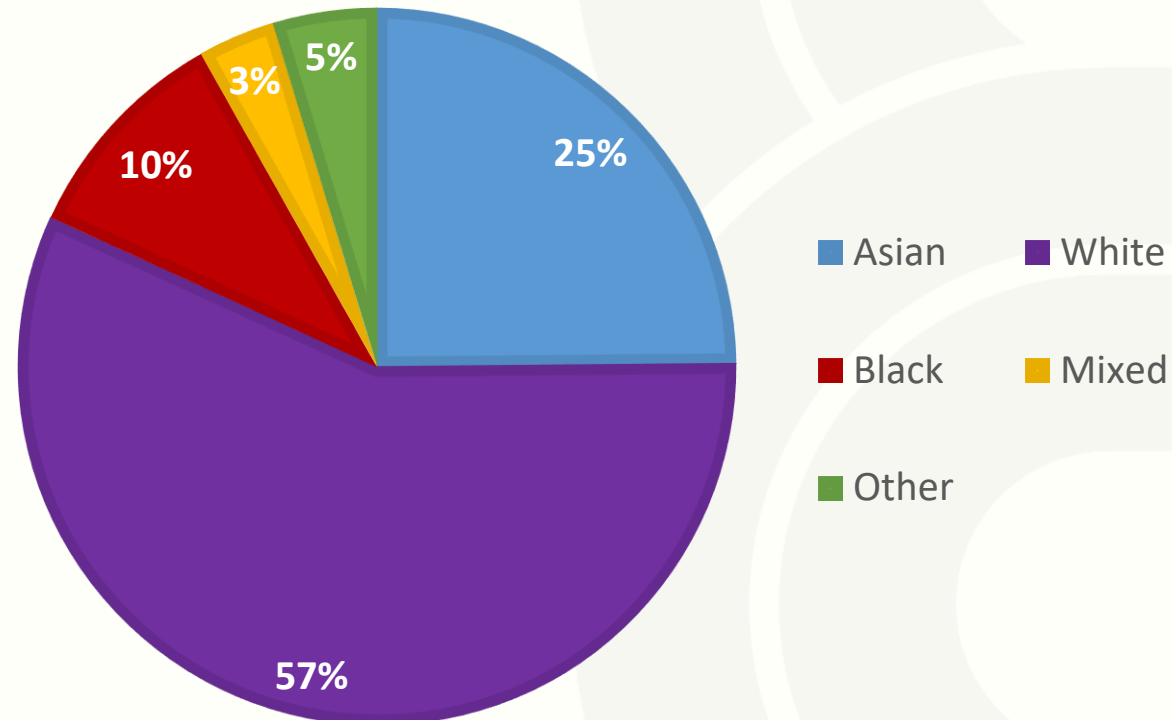
- The Marian Community Centre opened as a Lateral Flow Testing site on the 22nd February, 2021 and will be closing on the 22nd March, 2021.
- In total 1,310 lateral flow tests has bee conducted at Marian Community Centre.
- Below is an ethnicity breakdown of all the people who took a lateral flow test at the Marian Community Centre.



Lateral Flow Testing Sites – Brent Civic Centre

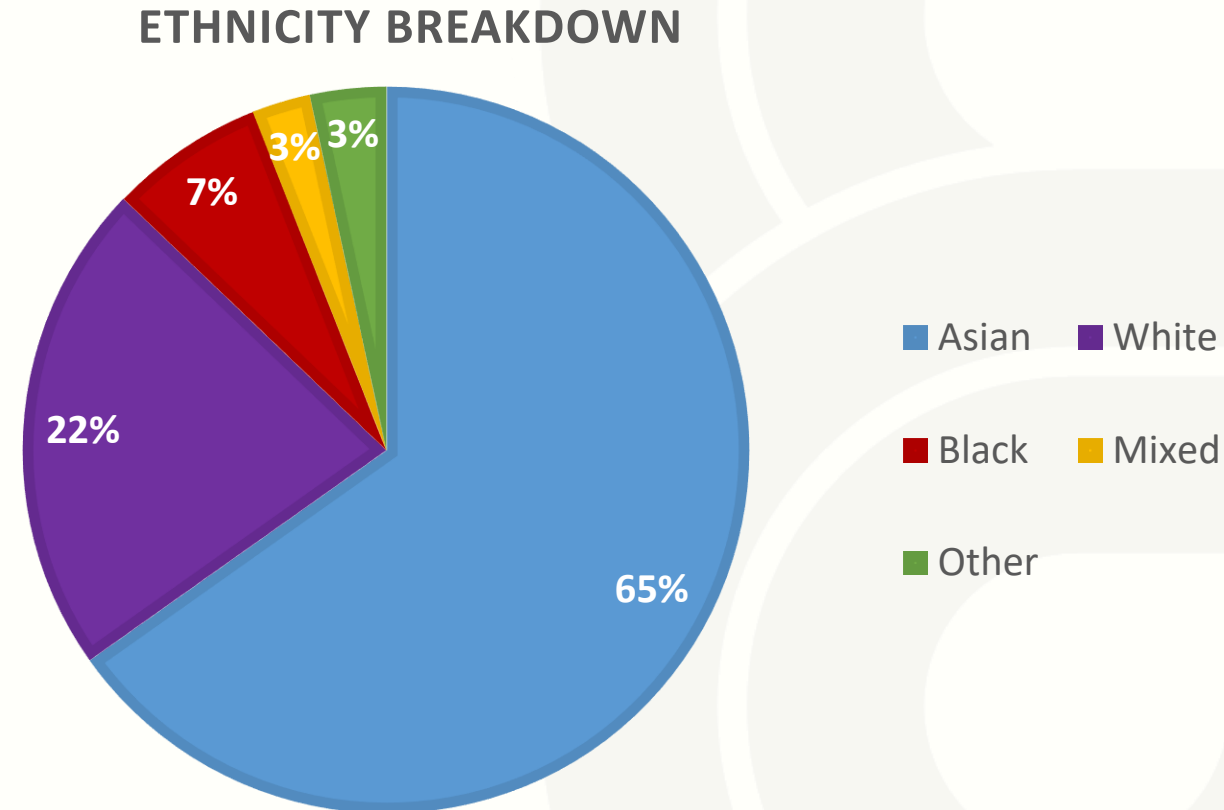
- Brent Civic Centre opened as a Lateral Flow Testing site on the 10th December, 2020.
- In total 17,742 lateral flow tests have been conducted at Brent Civic Centre
- Below is an ethnicity breakdown of all the people who took a lateral flow test at Brent Civic Centre.

ETHNICITY BREAKDOWN



Lateral Flow Testing Sites – Ealing Road Library

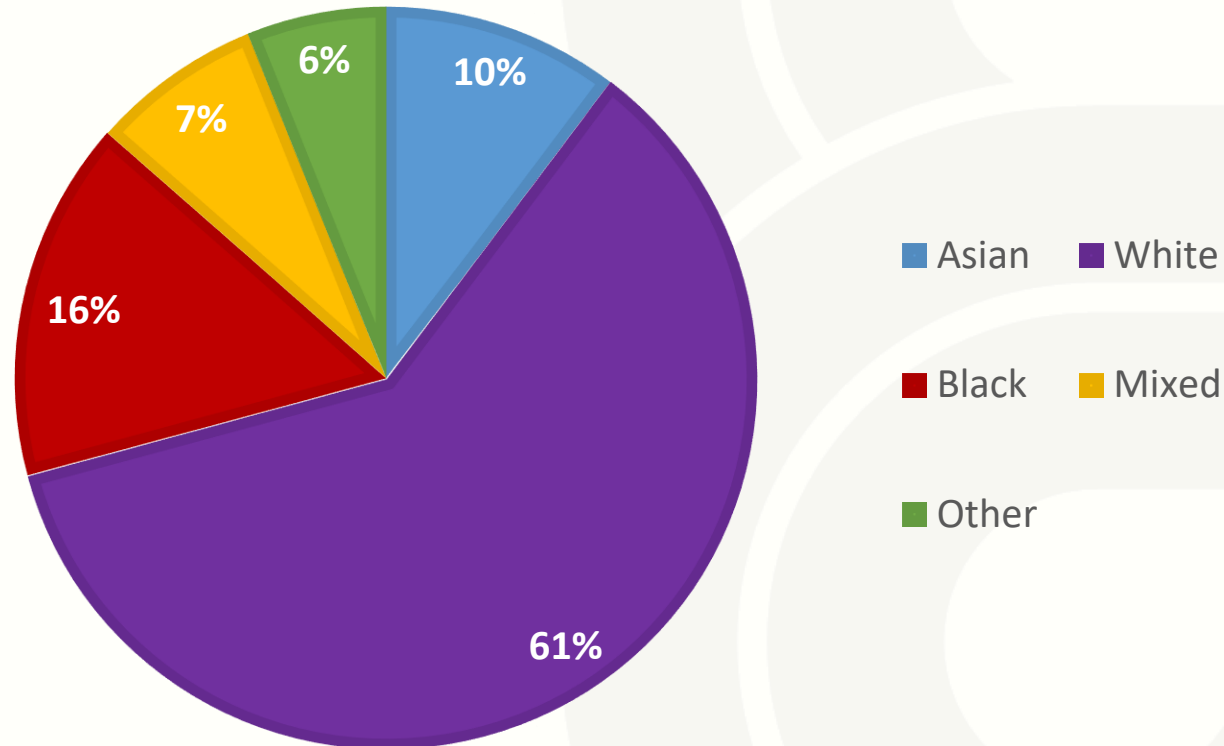
- Ealing Road Library opened as a Lateral Flow Testing site on the 21st December, 2020.
- In total 7,998 lateral flow tests have been conducted at Ealing Road Library
- Below is an ethnicity breakdown of all the people who took a lateral flow test at Ealing Road Library.



Lateral Flow Testing Sites – Harlesden Library

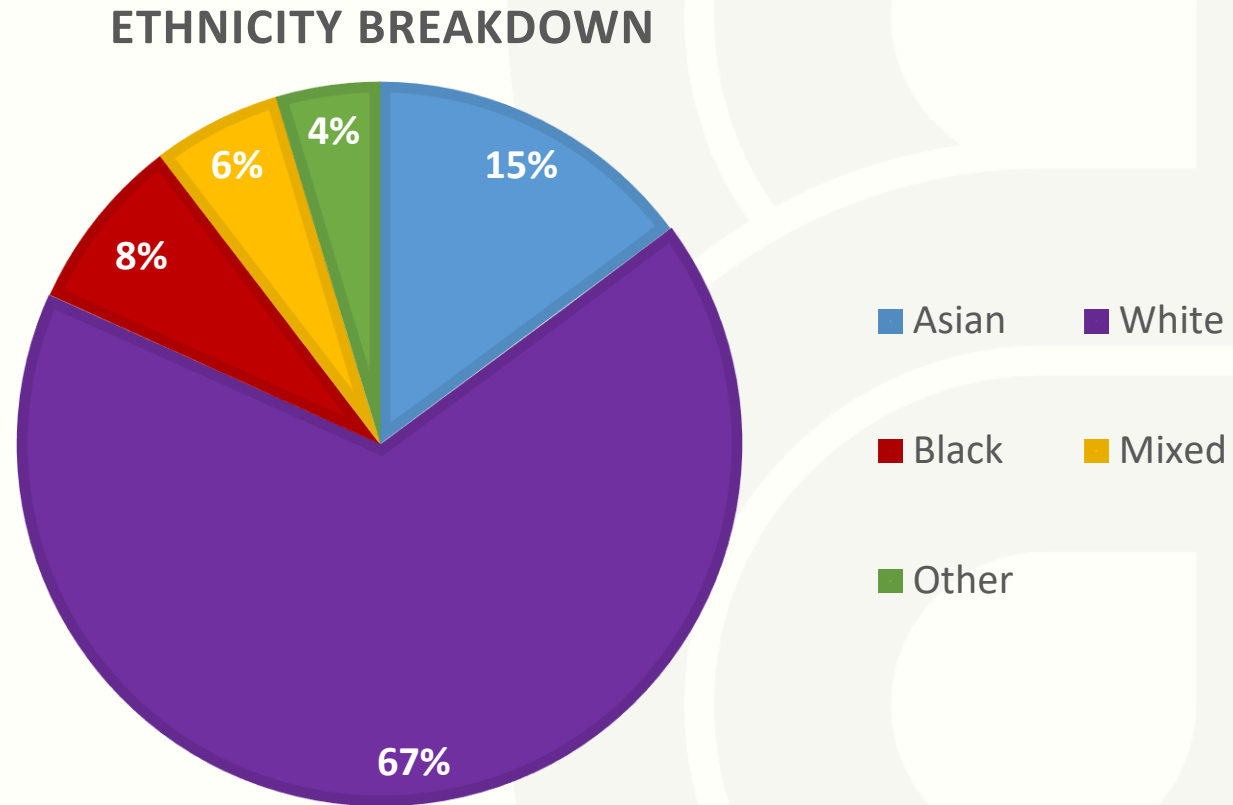
- Harlesden Library opened as a Lateral Flow Testing site on the 21st December, 2020.
- In total 4,952 lateral flow tests have been conducted at Harlesden Library
- Below is an ethnicity breakdown of all the people who took a lateral flow test at Harlesden Library.

ETHNICITY BREAKDOWN



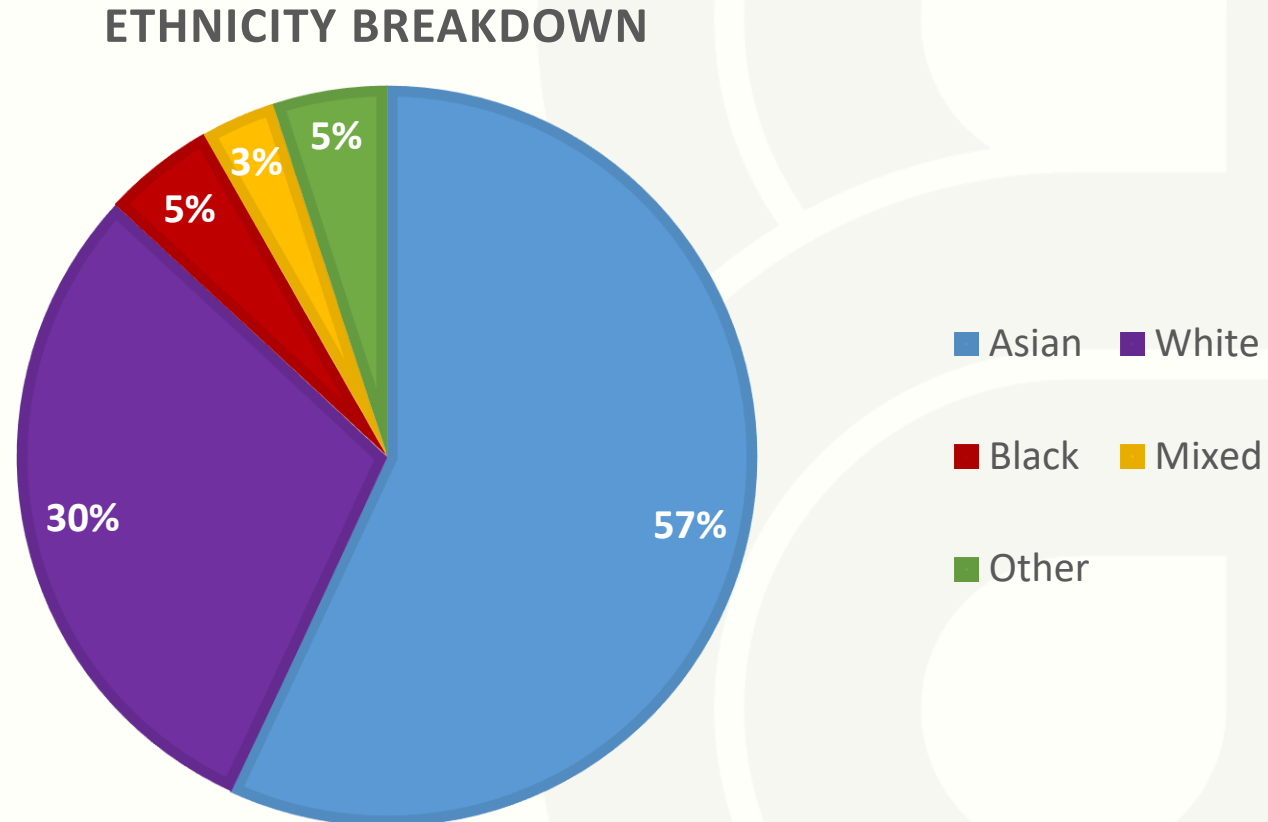
Lateral Flow Testing Sites – Willesden Green Library

- Willesden Green Library opened as a Lateral Flow Testing site on the 12th December, 2020.
- In total 12,083 lateral flow tests have been conducted at Willesden Green Library
- Below is an ethnicity breakdown of all the people who took a lateral flow test at Willesden Green Library.



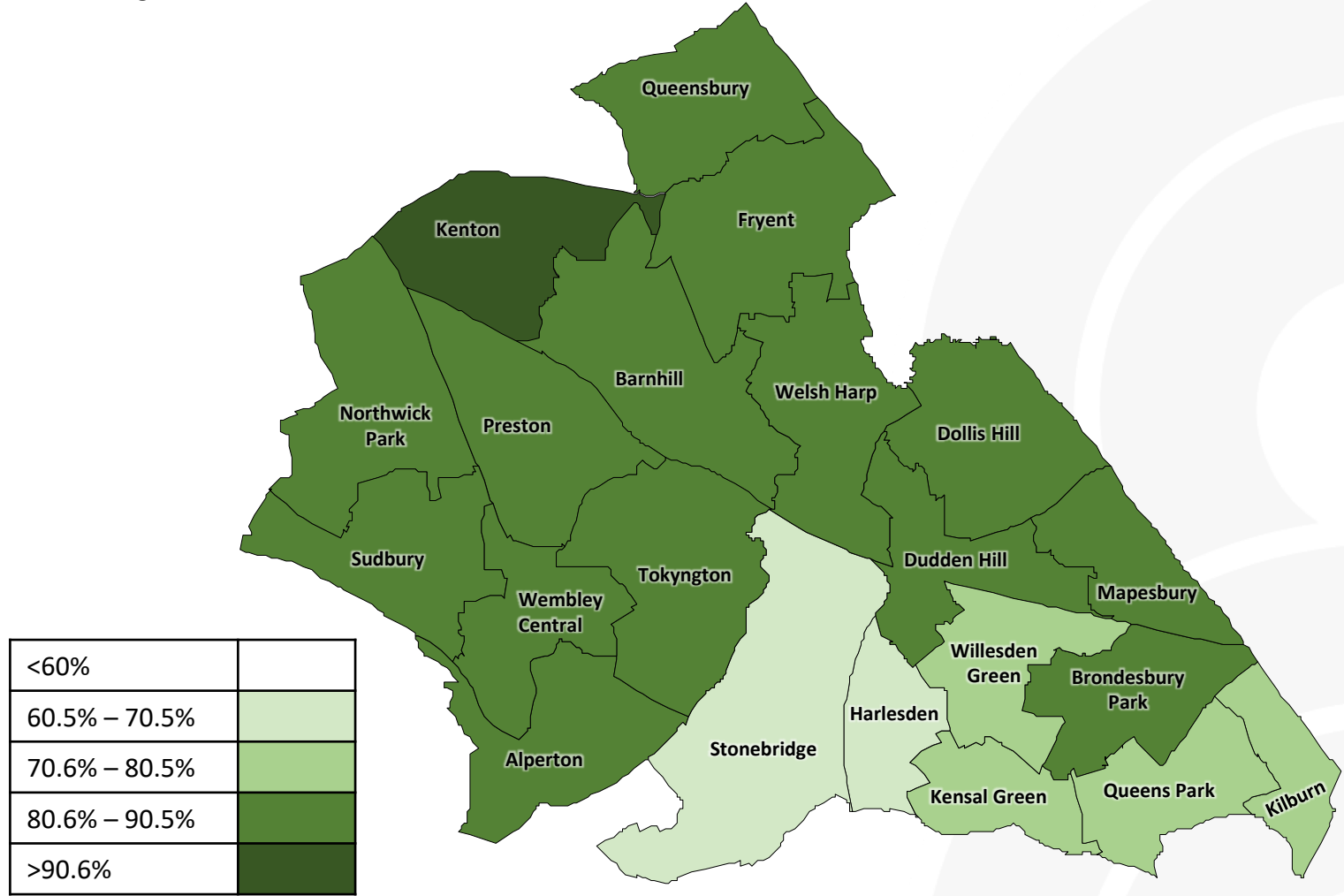
Lateral Flow Testing Sites – Kingsbury Library

- Kingsbury Library opened as a Lateral Flow Testing site on the 21st December, 2020.
- In total 7,015 lateral flow tests have been conducted at Kingsbury Library
- Below is an ethnicity breakdown of all the people who took a lateral flow test at Kingsbury Library.

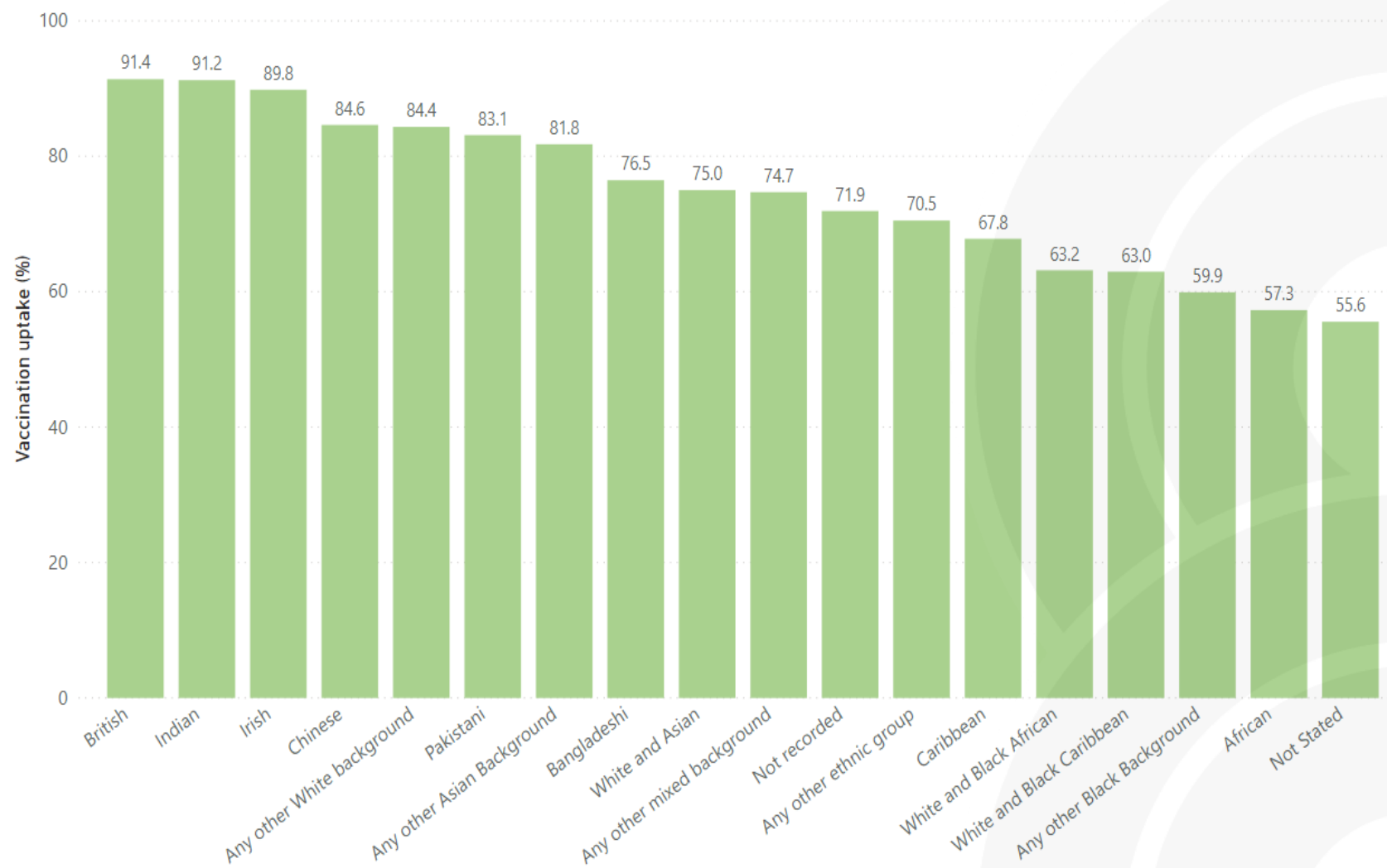


COVID-19 Vaccination Priority Group: 80 year olds and above

6.1 First dose vaccination uptake (%) by Brent wards for those aged 80 years and over. Data up to the 15th March, 2021



First dose vaccination uptake (%) in Brent by Ethnicity, for those aged 80 years and over. Data up to the 16th March, 2021



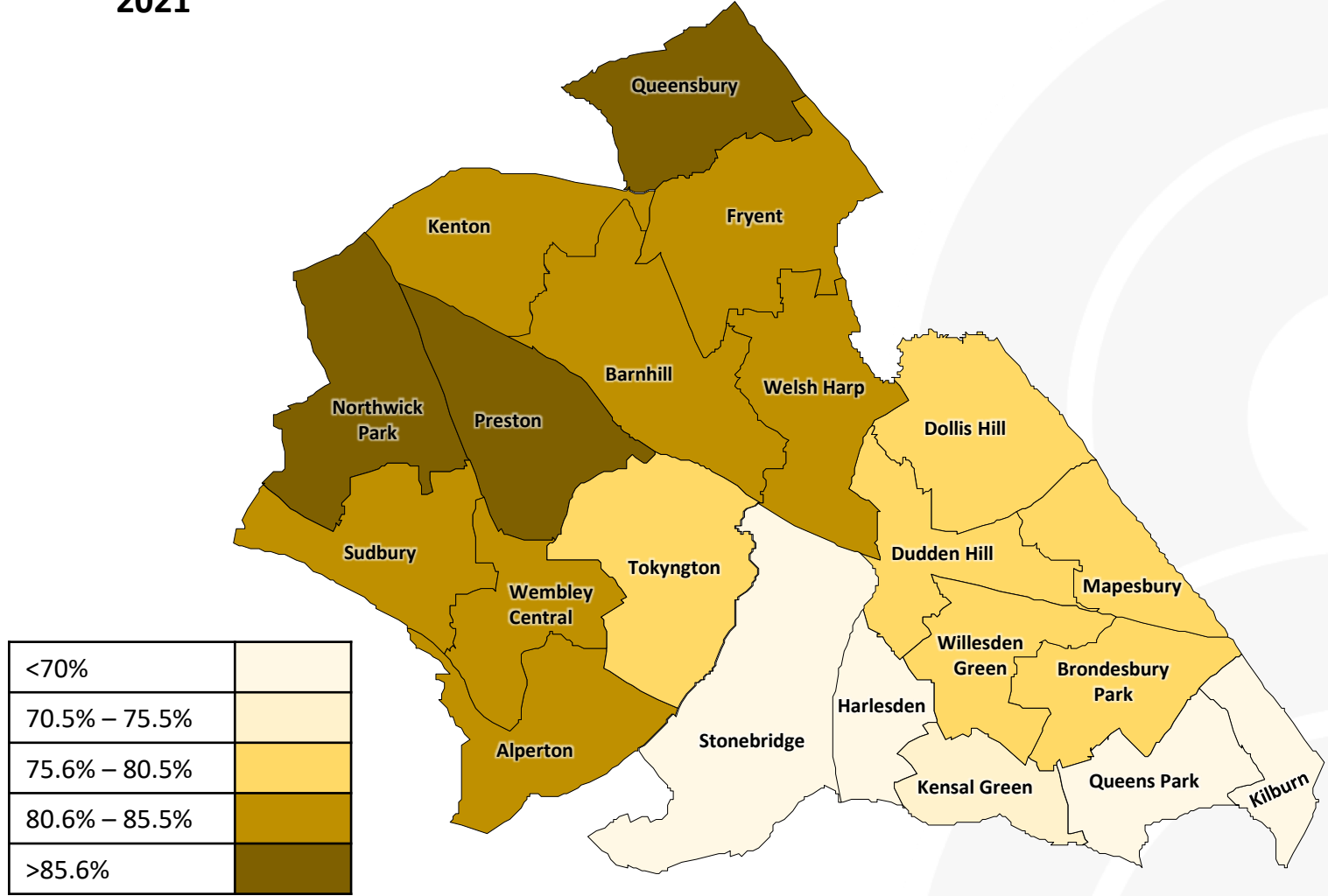
Brent

Source: Whole Systems Integrated Care (WSIC) – Covid-19 Vaccination Dashboard

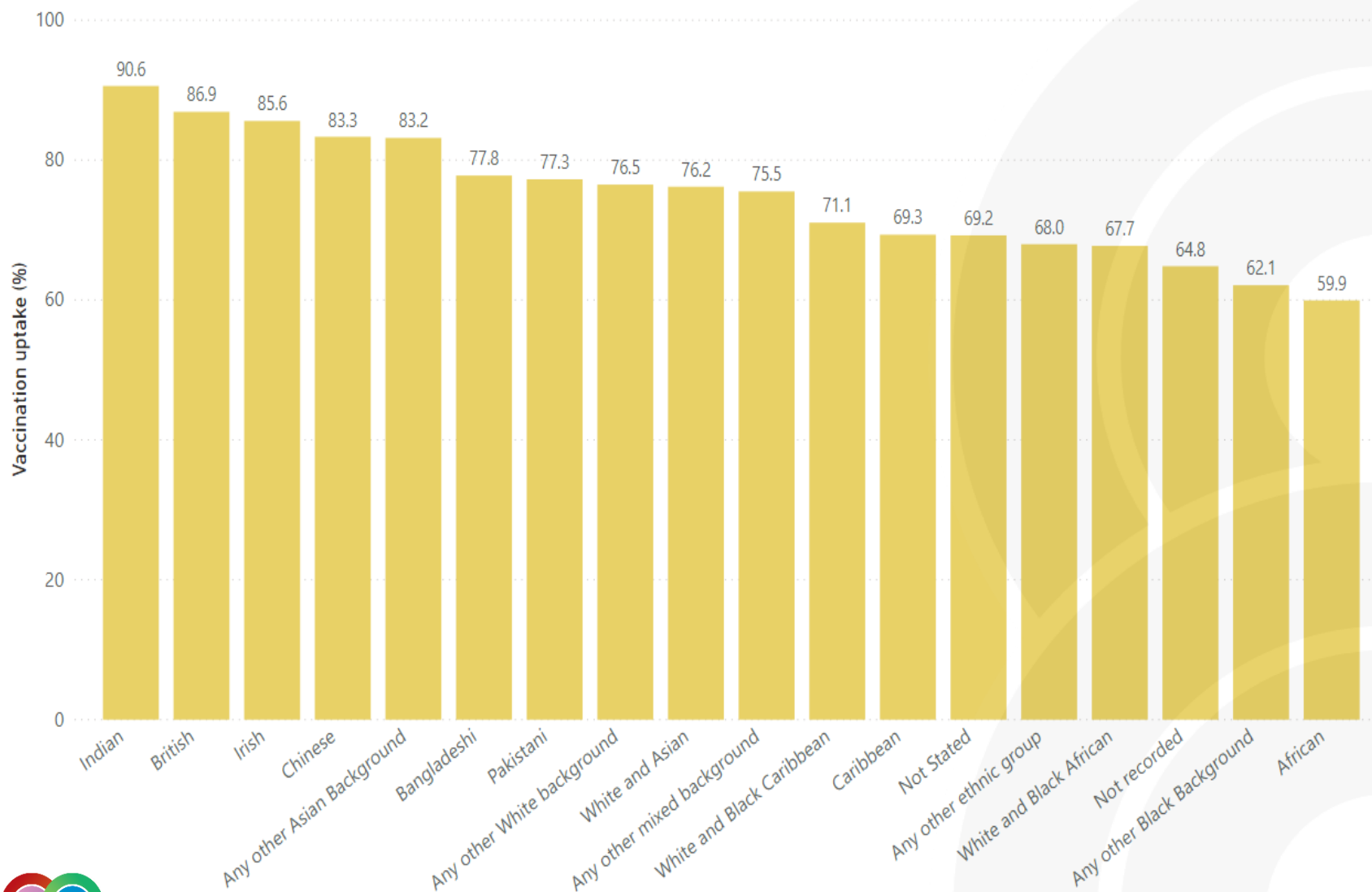


COVID-19 Vaccination Priority Group: 79 to 75 year olds

6.2 First dose vaccination uptake (%) by Brent wards for those aged between 79 to 75 years. Data up to the 15th March, 2021

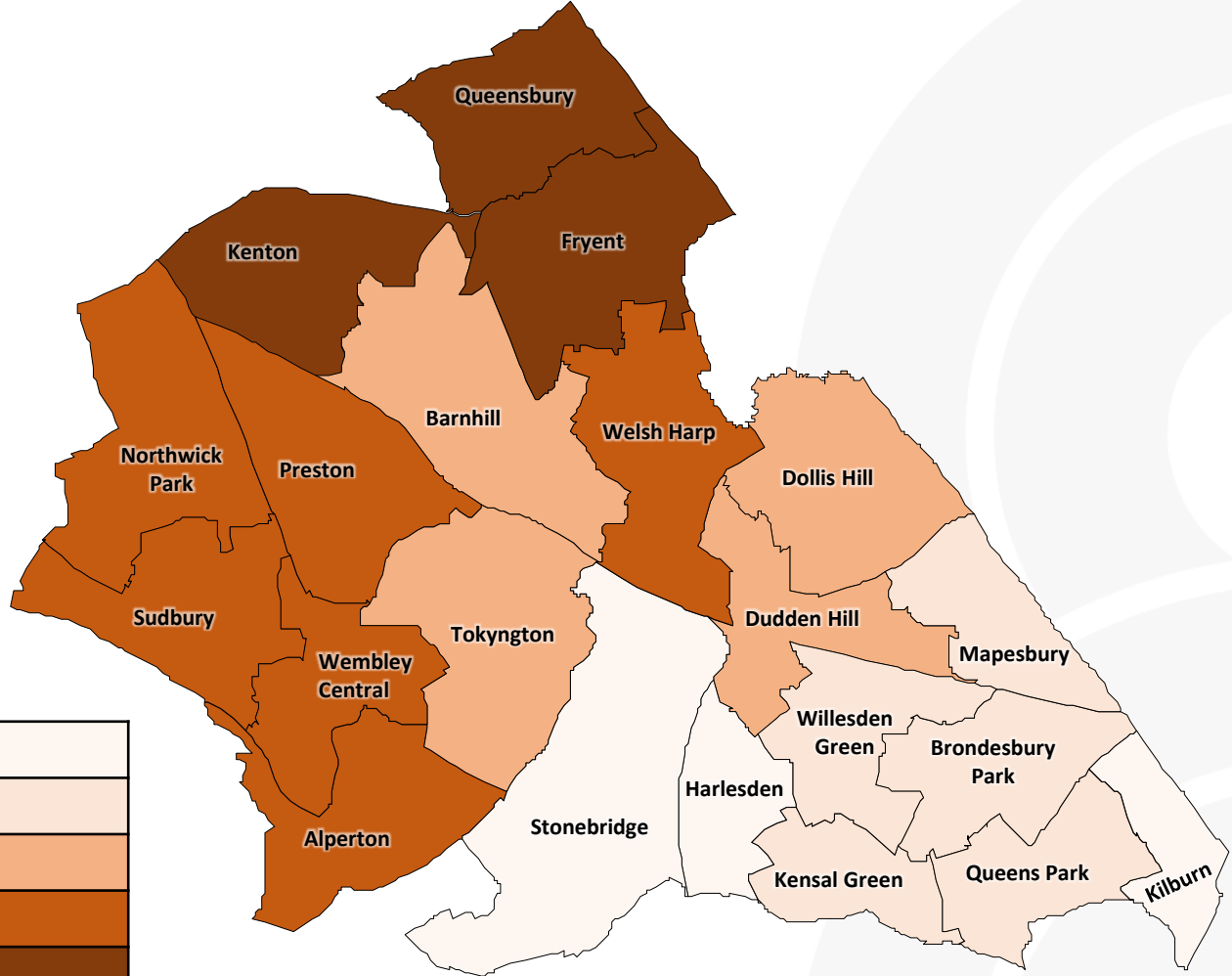


First dose vaccination uptake (%) in Brent by Ethnicity, for those aged between 79 to 75 years. Data up to the 16th March, 2021



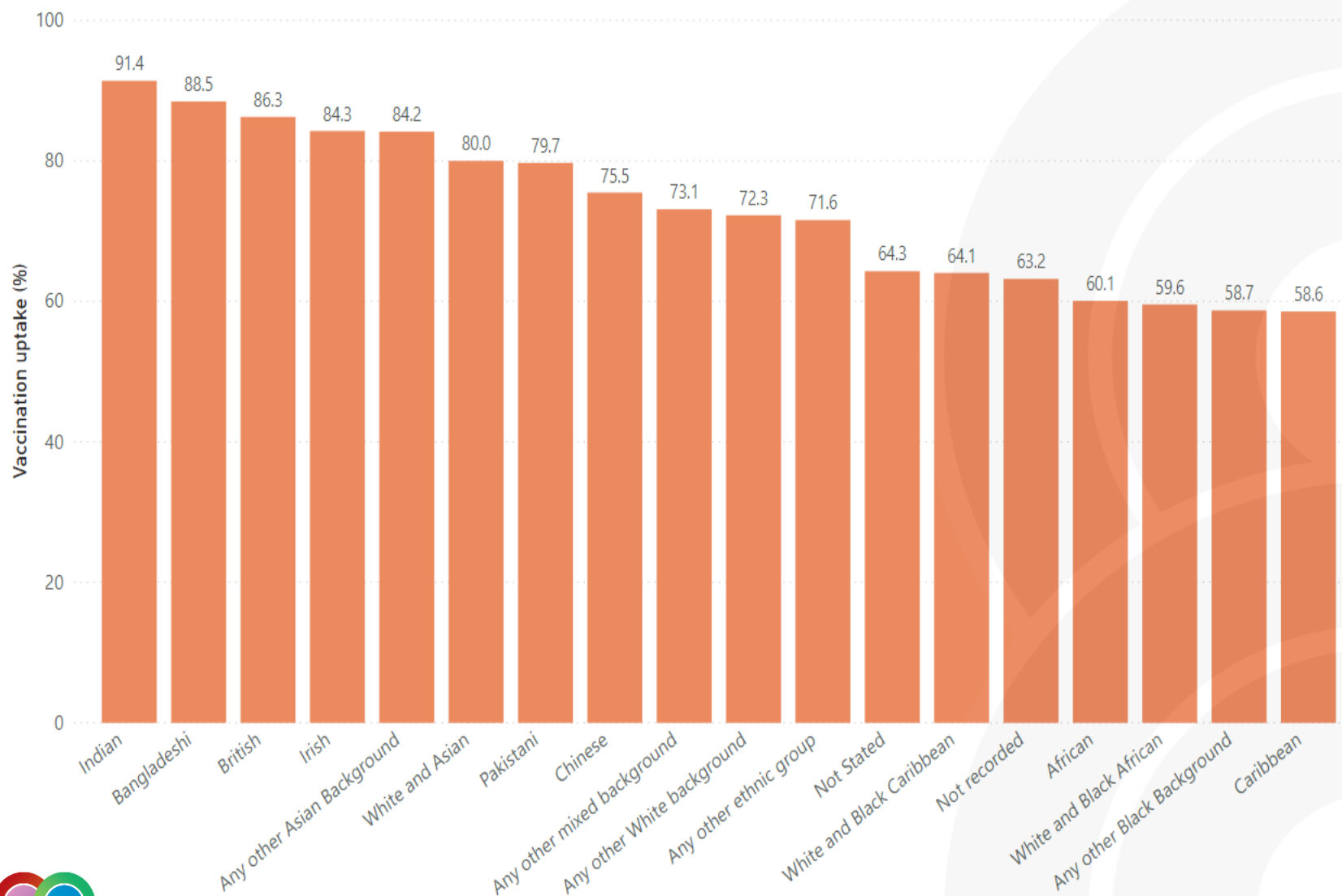
COVID-19 Vaccination Priority Group: 74 to 70 year olds

6.3 First dose vaccination uptake (%) by Brent wards for those aged between 74 to 70 years. Data up to the 15th March, 2021



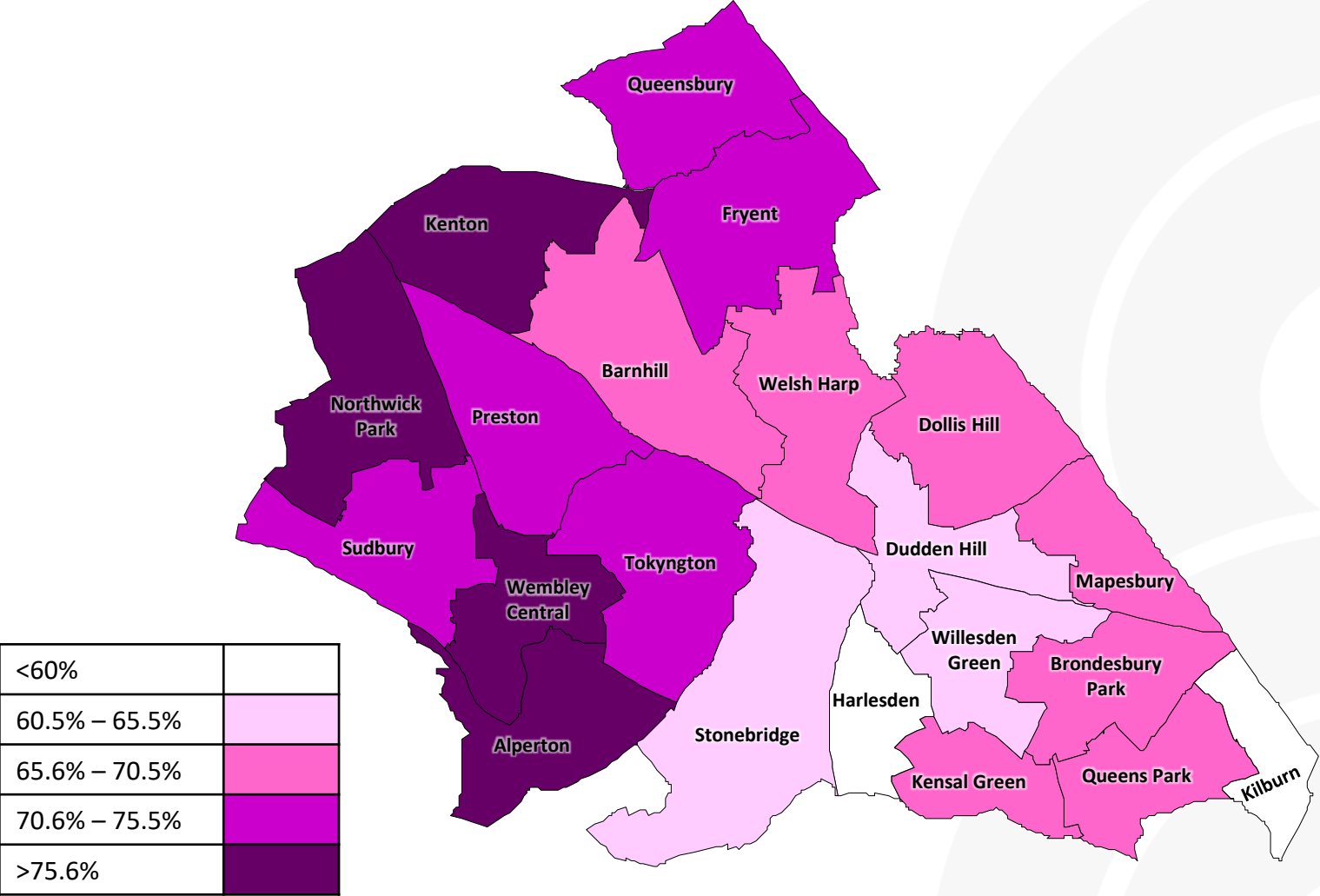
<70%	
70.5% – 75.5%	
75.6% – 80.5%	
80.6% – 85.5%	
>85.6%	

First dose vaccination uptake (%) in Brent by Ethnicity, for those aged between 74 to 70 years. Data up to the 16th March, 2021

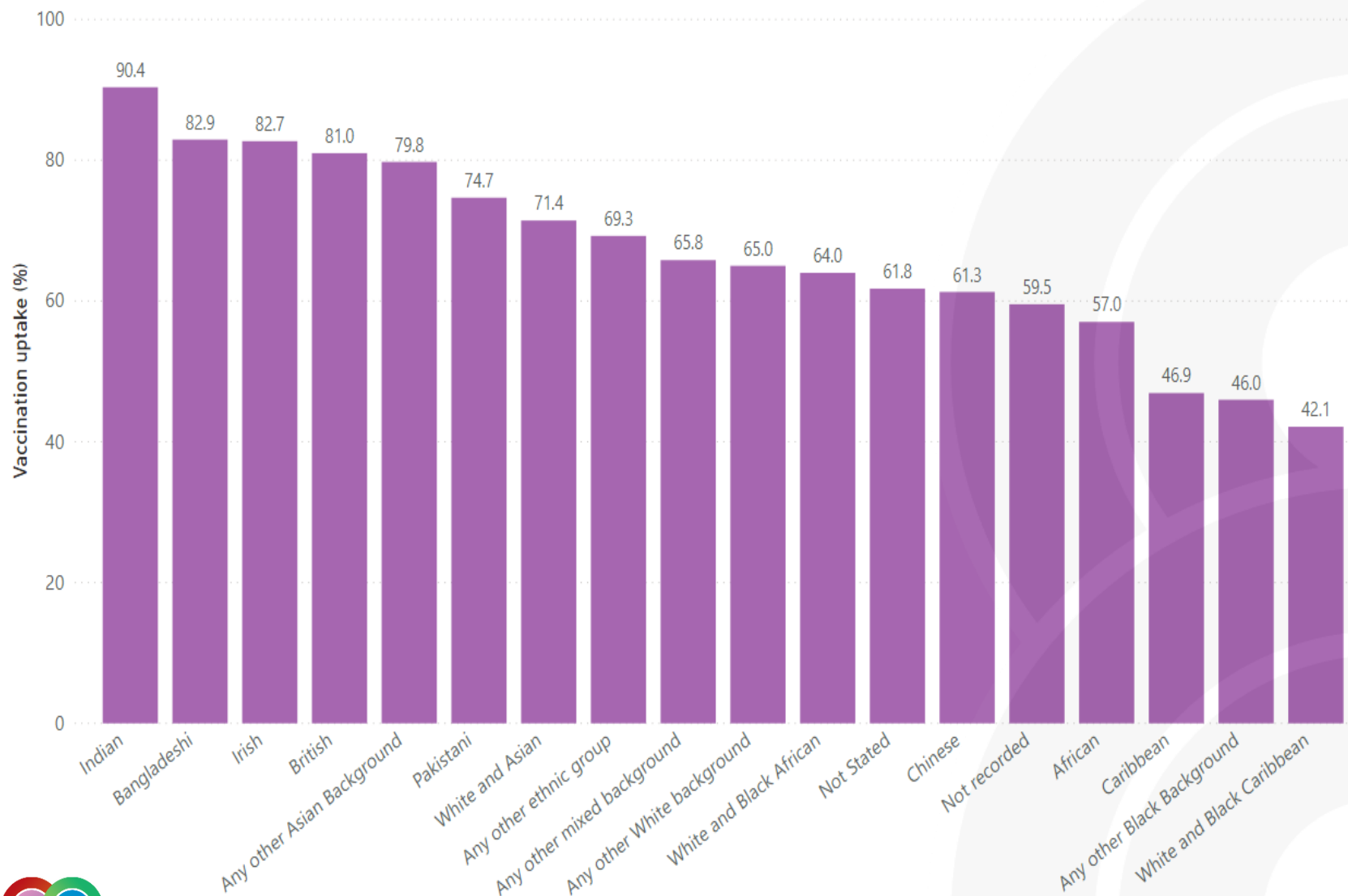


COVID-19 Vaccination Priority Group: Clinically Extremely Vulnerable (CEV)

6.4 First dose vaccination uptake (%) by Brent wards for those Clinically Extremely Vulnerable (CEV). Data up to the 15th March, 2021

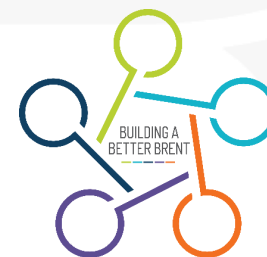


First dose vaccination uptake (%) in Brent by Ethnicity, for those Clinically Extremely Vulnerable. Data up to the 16th March, 2021



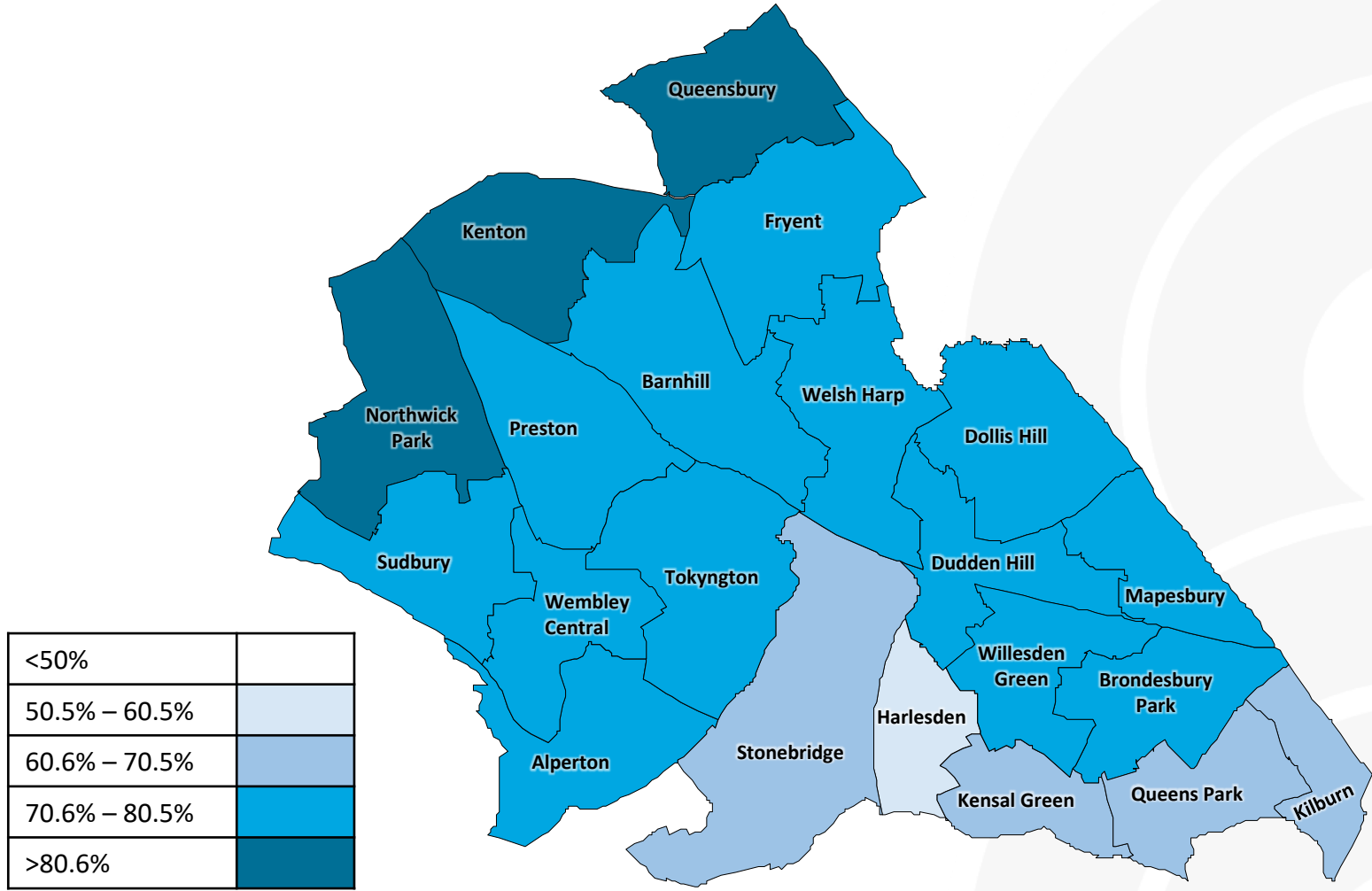
Brent

Source: Whole Systems Integrated Care (WSIC) – Covid-19 Vaccination Dashboard

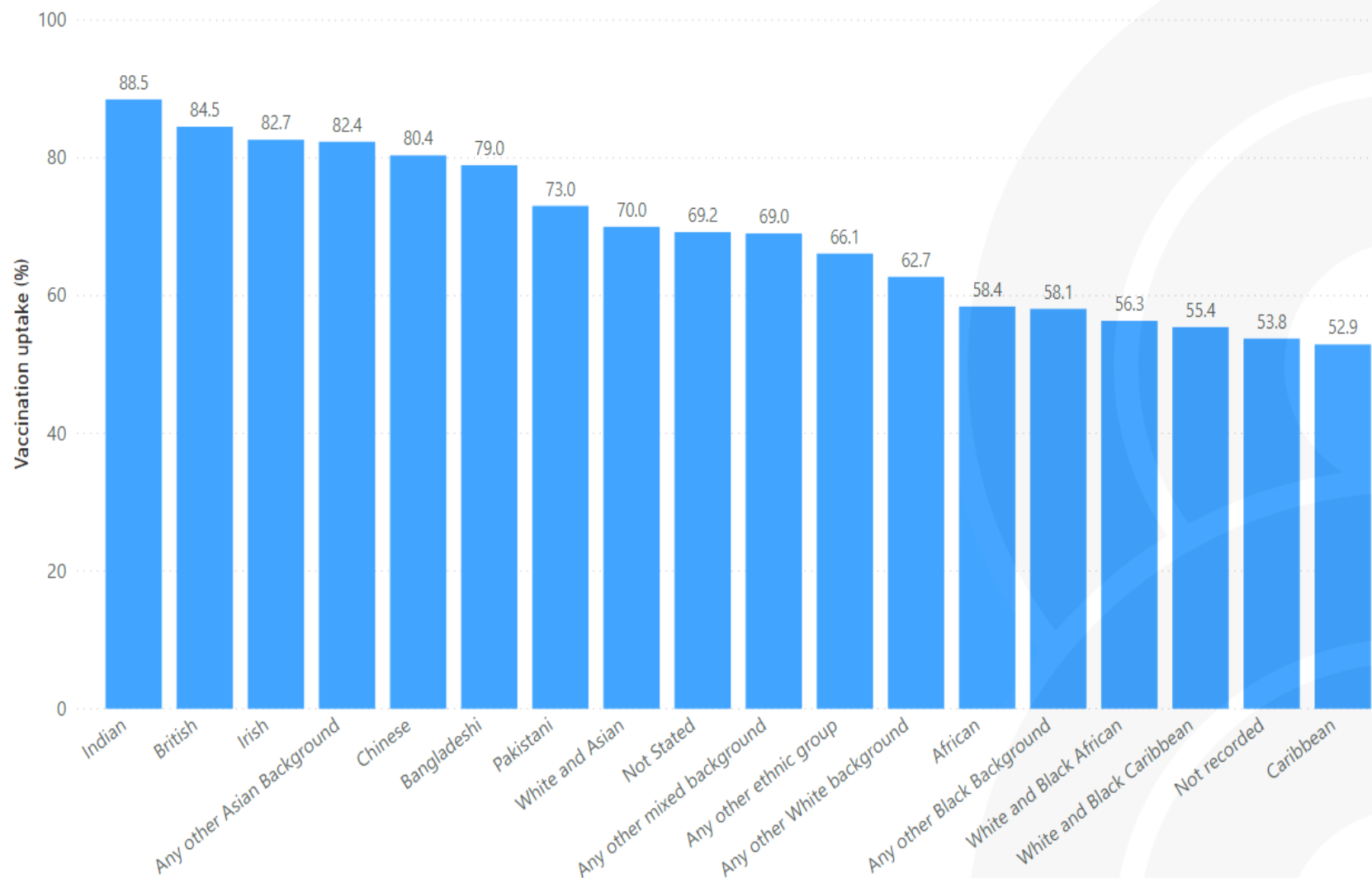


COVID-19 Vaccination Priority Group: 69 to 65 year olds

6.5 First dose vaccination uptake (%) by Brent wards for those aged between 69 to 65 years. Data up to the 15th March, 2021

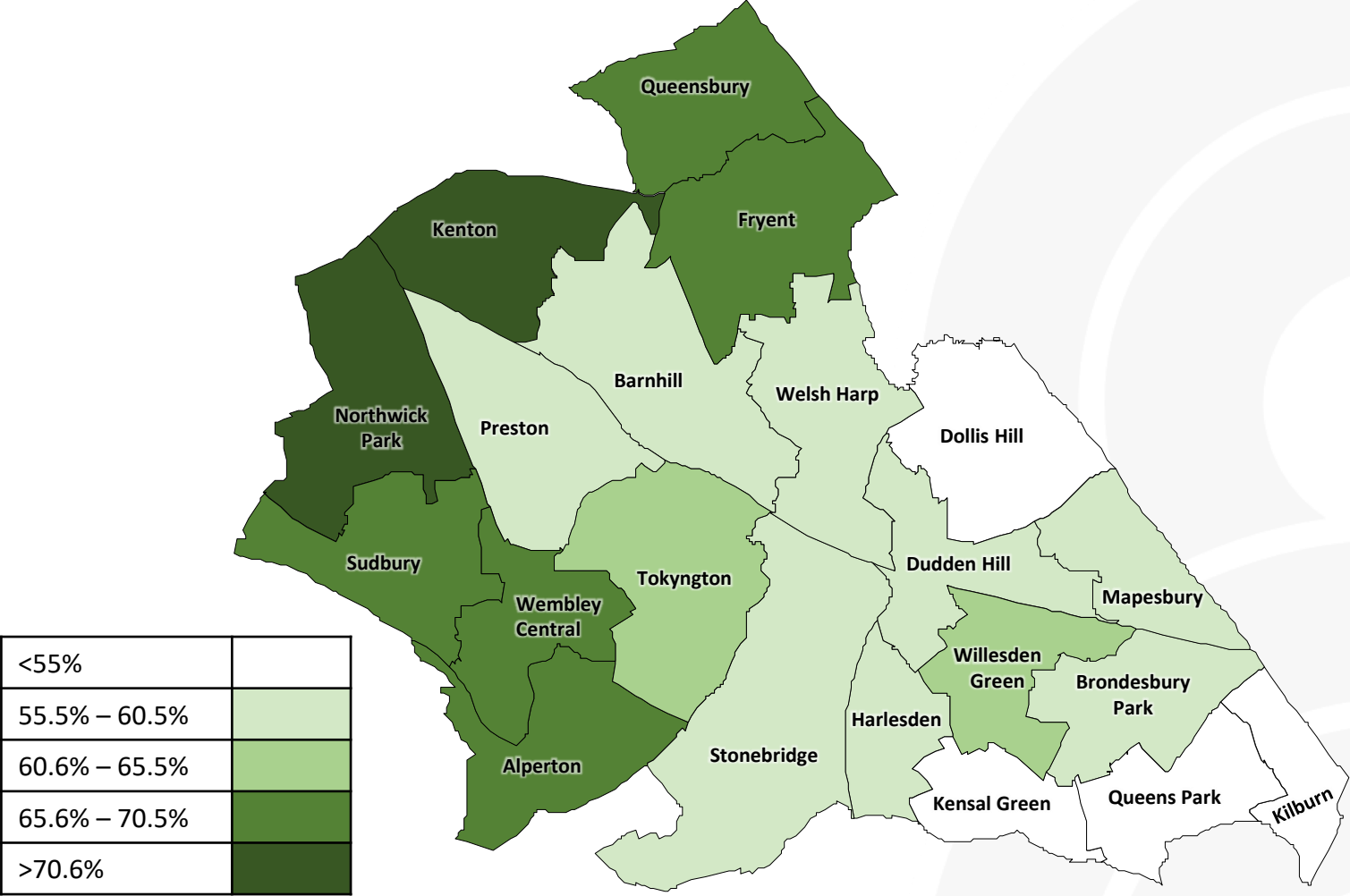


First dose vaccination uptake (%) in Brent by Ethnicity, for those aged between 69 to 65 years. Data up to the 16th March, 2021

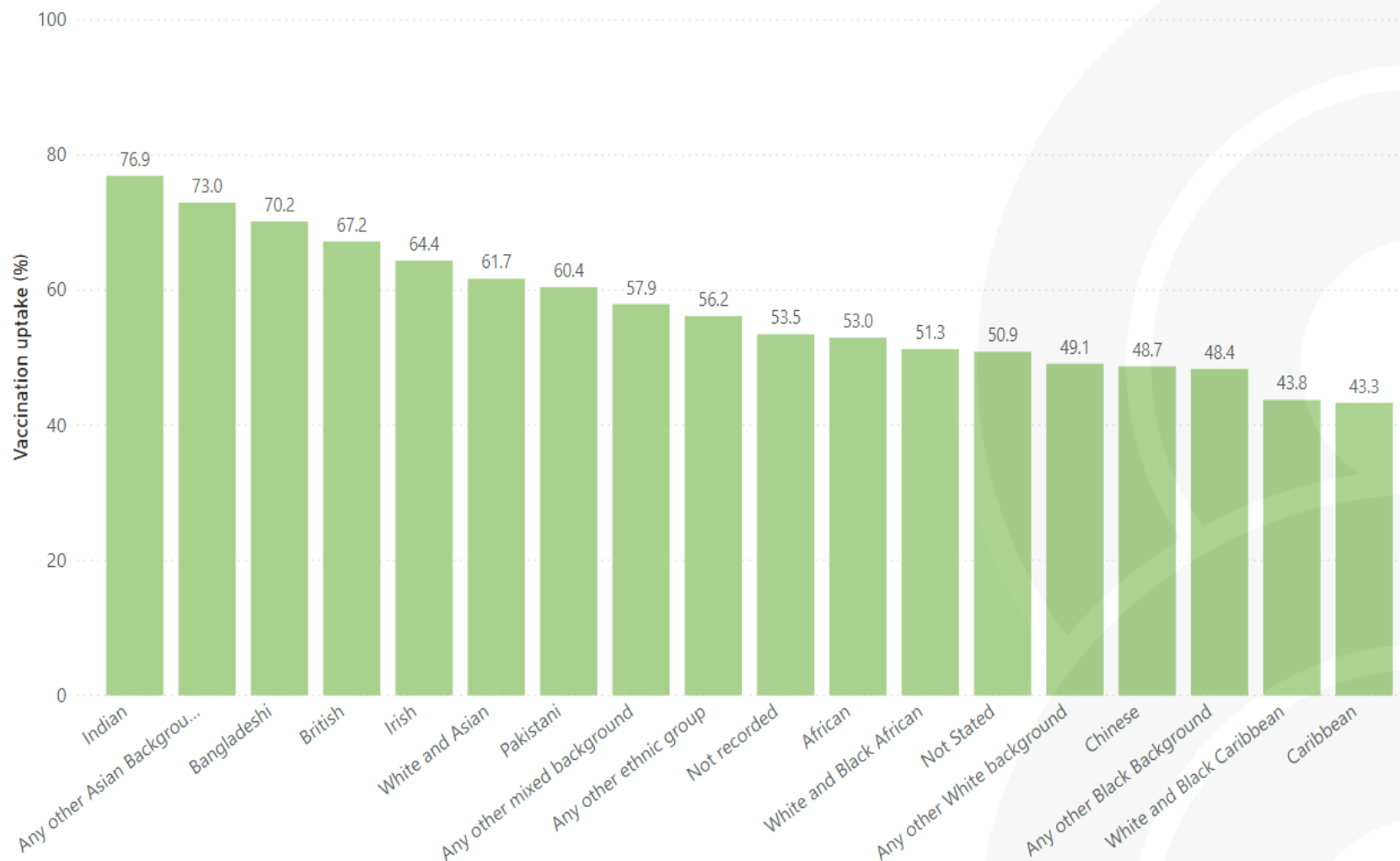


COVID-19 Vaccination Priority Group: QCovid Patients

6.6 First dose vaccination uptake (%) by Brent wards for Qcovid patients. Data up to the 15th March, 2021

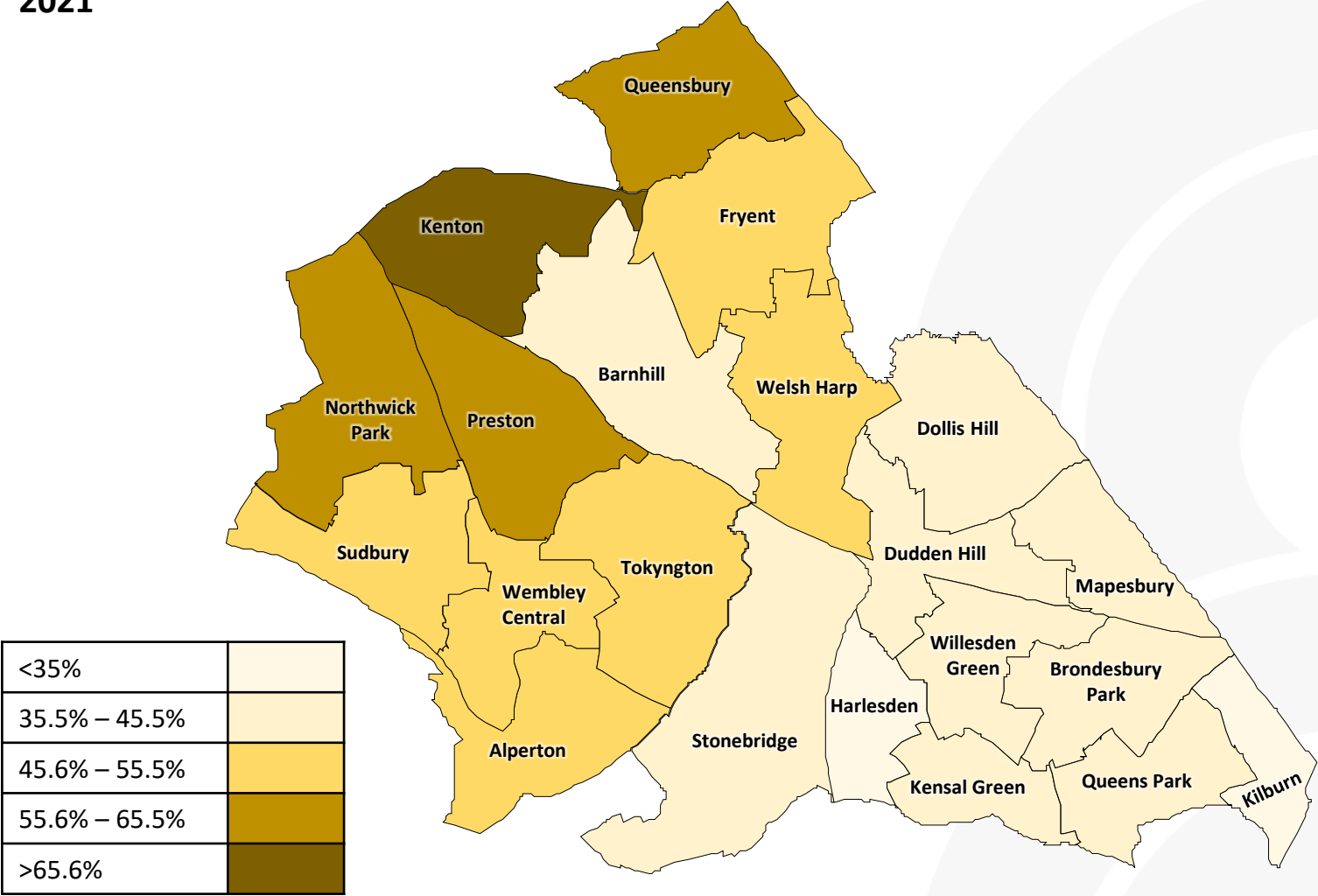


First dose vaccination uptake (%) in Brent by Ethnicity, for Qcovid patients. Data up to the 16th March, 2021



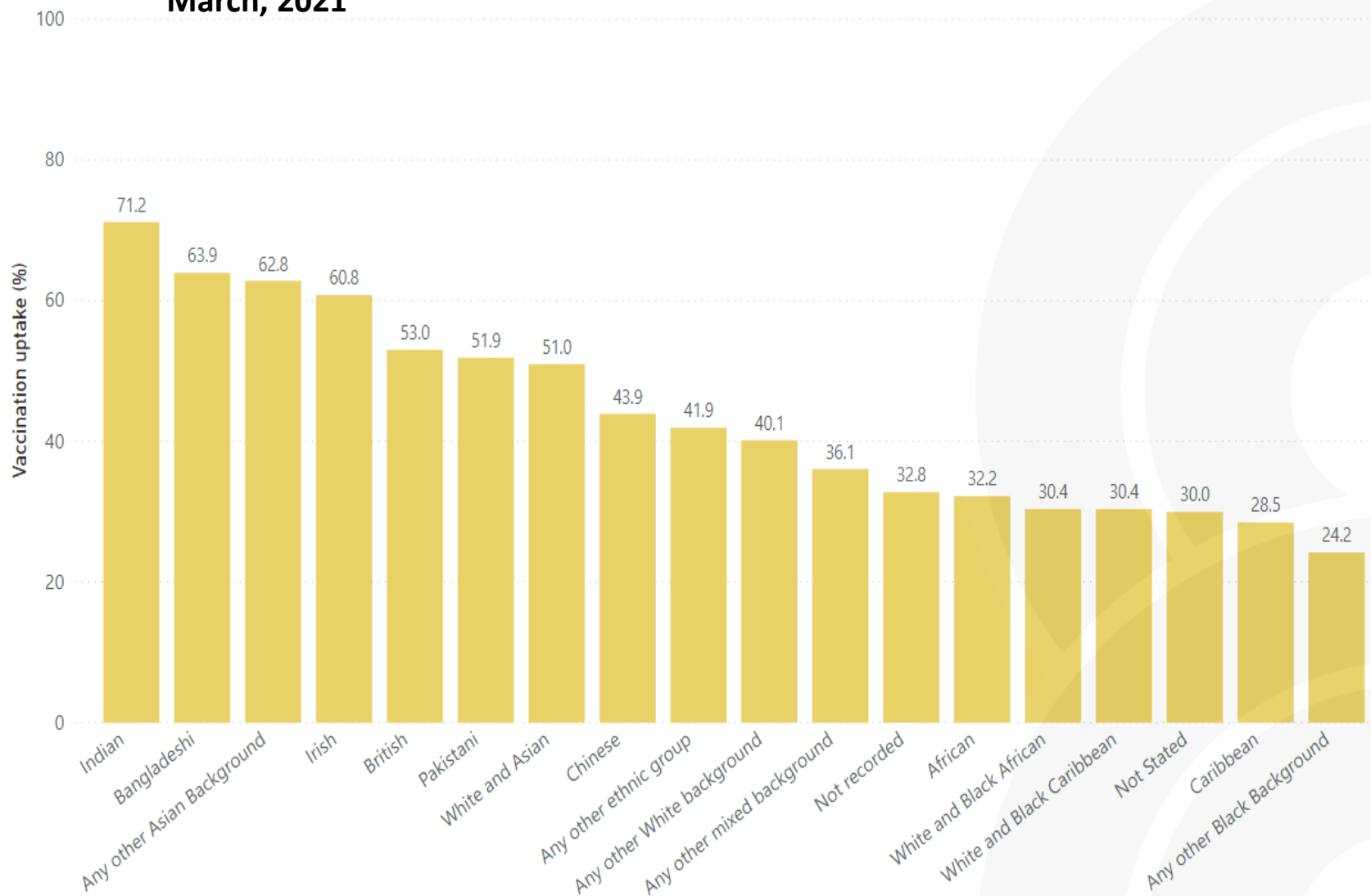
COVID-19 Vaccination Priority Group: At Risk 16 to 64 year olds

6.7 First dose vaccination uptake (%) by Brent wards for those At Risk aged between 16 to 64 years. Data up to the 15th March, 2021



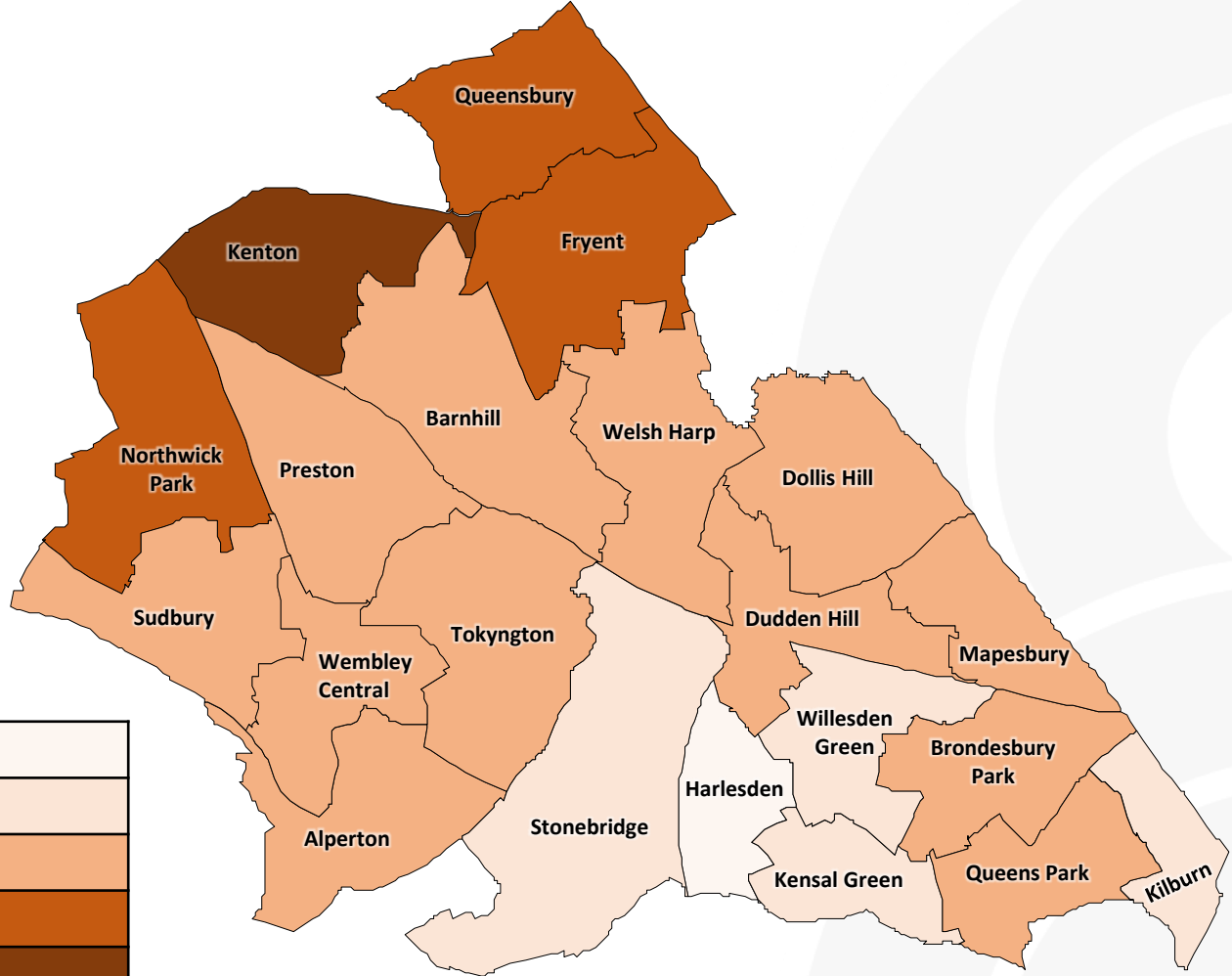
<35%	
35.5% – 45.5%	
45.6% – 55.5%	
55.6% – 65.5%	
>65.6%	

First dose vaccination uptake (%) in Brent by Ethnicity, for those At Risk aged between 16 to 64 years. Data up to the 16th March, 2021



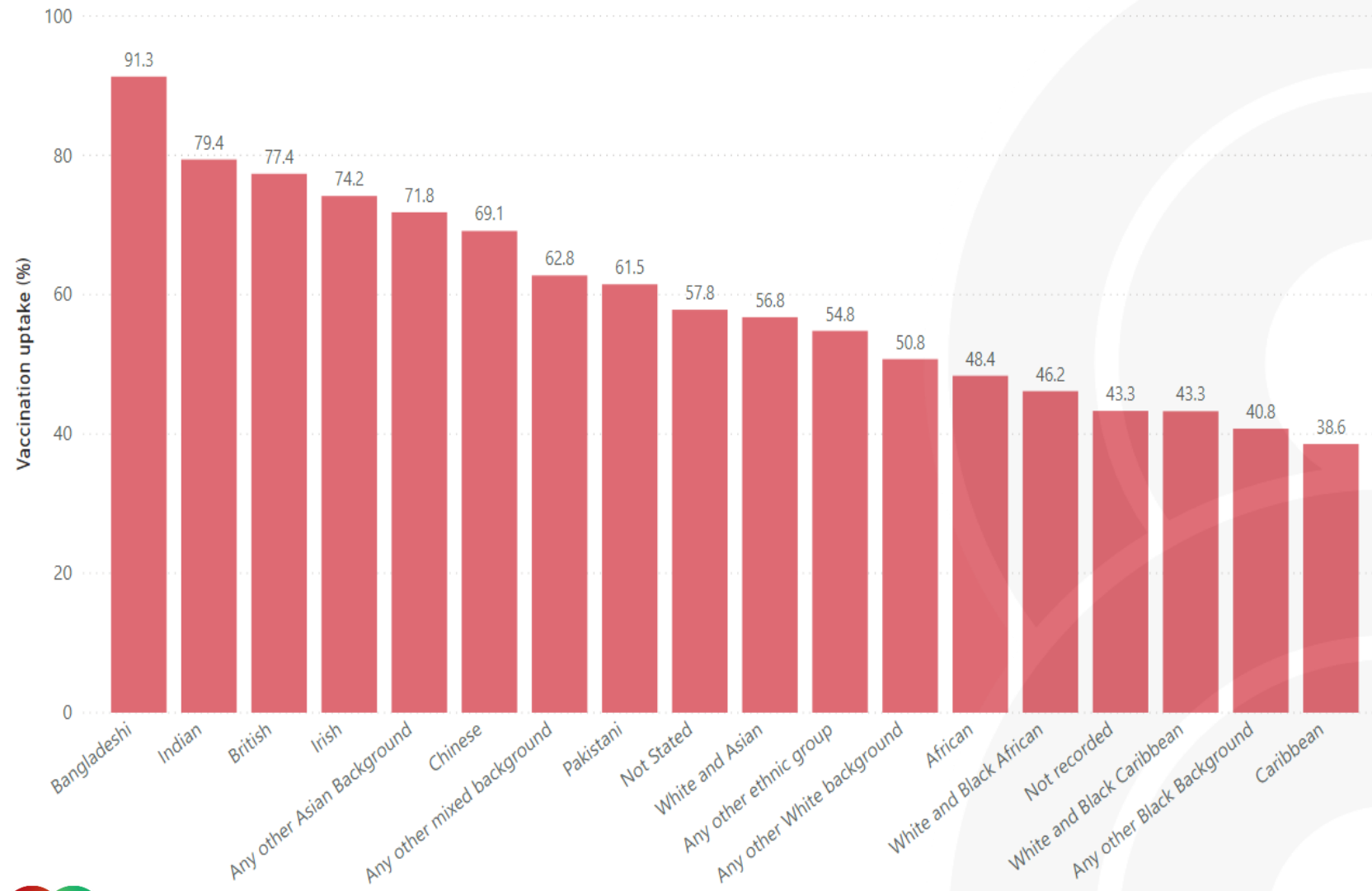
COVID-19 Vaccination Priority Group: 64 to 60 year olds

6.8 First dose vaccination uptake (%) by Brent wards for those aged between 64 to 60 years. Data up to the 15th March, 2021



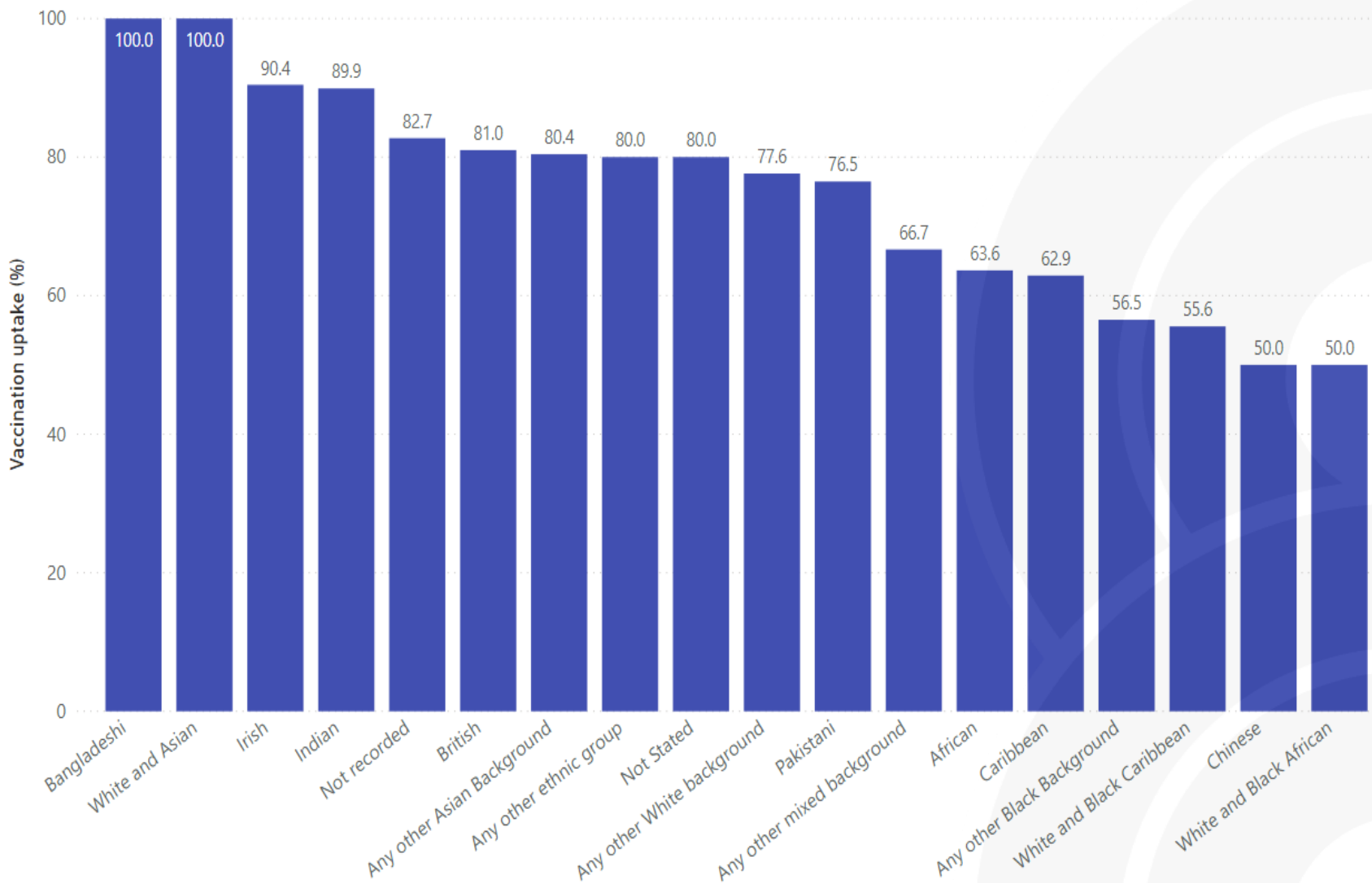
<45%	
45.5% – 55.5%	
55.6% – 65.5%	
65.6% – 75.5%	
>75.6%	

First dose vaccination uptake (%) in Brent by Ethnicity, for those aged between 64 to 60 years. Data up to the 16th March, 2021



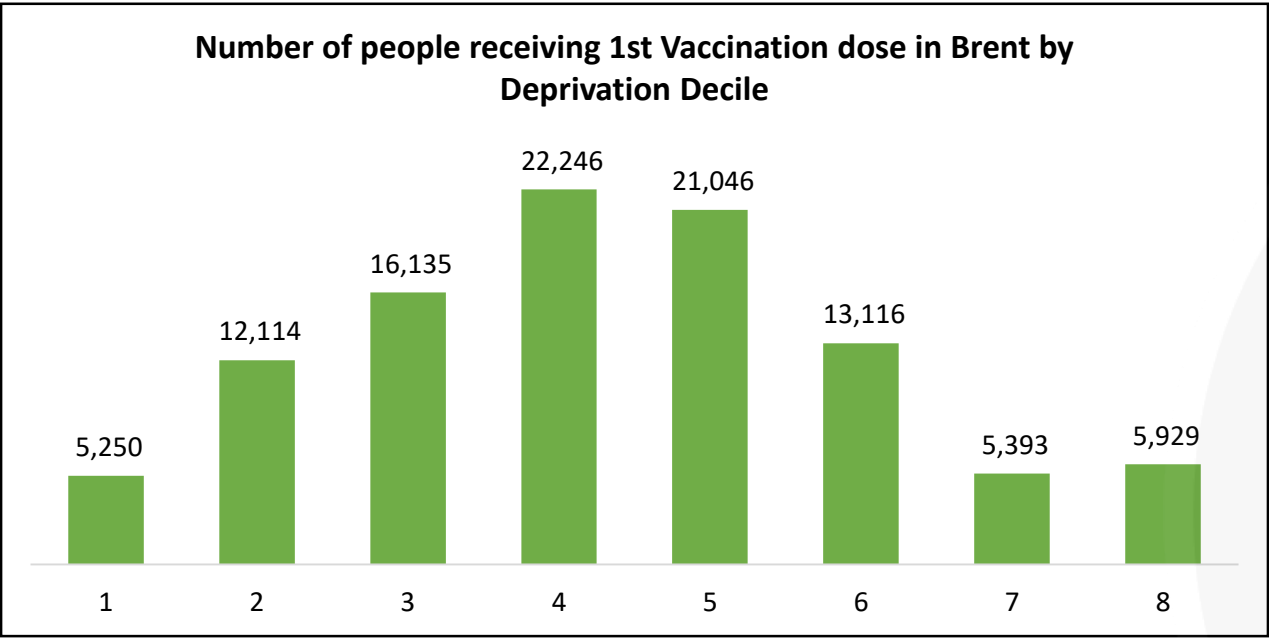
COVID-19 Vaccination Priority Group: Care home residents

First dose vaccination uptake (%) in Brent by Ethnicity, for Care Home residents. Data up to the 16th March, 2021



COVID-19 Vaccination by Deprivation deciles

6.9 COVID-19 by Vaccination by Deprivation Decile. Data up to the 21st March, 2021



(1 = most deprived, 8 = least deprived)

