Regression equation in excel date code:

\[ y = -119.10x + 5,239,274.41 \]

Daily declining rate = 119 cases per day

Average wave period: 6 days

Average declining rate of recorded results = 116 cases per day

When \( y = 0 \), \( x = \text{June 9, 2020} \)
Regression Line for Peak Periods: France

Regression line equation:

\[ y = -3590 \ln(x) + 15486 \]

Average daily declining rate: 298 cases per day

When \( y = 0 \), \( x = 75 \) (June 17, 2020)

Average declining rate based on recorded results: 405 cases per day

Average wave period: 7 days

April 2, 2020  April 12, 2020  April 22, 2020  May 2, 2020  May 12, 2020  May 22, 2020  June 1, 2020  June 12, 2020

4 Days  3 Days  4 Days  2 Days  5 Days  7 Days  8 Days  22 Days  6 Days  7 Days
Regression Line of Peak Periods: United Kingdom

Regression equation in excel date code:

\[
y = -112.91x + 4,968,178.61
\]

Daily Declining rate= 113 cases per day
When \( y = 0 \), \( x = \) June 18, 2020

Average Declining rate of recorded results = 101 cases per day

Average wave period: 7 days

Daily New Cases

Date

0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

30-Mar 19-Apr 9-May 29-May 18-Jun 8-Jul 28-Jul

9 Days 5 Days 7 Days

5 Days

11 Days 5 Days

7 Days

5 Days

7 Days

7 Days