Dissertation Draft

# Introduction:

The implementation of lockdown protocols by the United Kingdom Government on 26th March 2020 created a unique environment by restricting movement among non-essential workers and limiting social contact (Johnson, 2020). The primary reason was to reduce the spread of the disease and ease the burden on the National Health Service. However, the effects of this lockdown spread to all sectors, including hospitality, construction, education, travel, and the judicial system (ONS, 2020). From March 26th 2020 lockdown measures legally came into force and the UK police were given extra enforcement powers to reduce the spread of coronavirus, including the ability to instruct members of the public to return home or leave an area (UK Gov, 2020). The lockdown required non-essential shops such as pubs and retail stores to close and for non-essential workers to work from home if possible. Those that could not work from home were furloughed, with one in four people that had been employees having been on furlough at some point between March 2020 and June 2021 (ONS, 2021). Table 1 contains a full timeline of lockdown events from the beginning of lockdown on March 26th 2020 to the end of the third and final lockdown on July 19th 2021. These restrictions resulted in changes to the mobility of the general public to the point where even seismic noise was reduced by 50% for months at a time, with the period being described as “the great seismic quiet period” (Lecocq et al, 2020).  
This report investigates the effects of the national lockdowns on crime rates and also arrest outcomes over the full coronavirus period of March 2020 to August 2021. The areas selected for study are the North, East Midlands, West Midlands, South West and South East police constabularies of England and Wales. Specific forms of crime have been selected; these are:

* violence and sexual offences
* theft offences
* drug offences
* public order offences
* arson and criminal damage offences

Data from 2017 to 2022 is used so that a pre-covid comparison can be established. The data used is from <https://data.police.uk/> which contains official UK police records of every crime reported within the 43 geographic police forces in England and Wales, the British Transport Police, the Police Service of Northern Ireland and the Ministry of Justice.

Table 1: Key Lockdown events from March 2020 to August 2021 (IfG, 2022)

|  |  |
| --- | --- |
| March 26 (2020) | Lockdown measures legally come into force; police given powers to enforce restrictions |
| Apr 3 | Figures from transport office demonstrate greatly reduced usage of motor vehicles, rails and buses (Department for Transport, 2020) |
| april 16 | Lockdown extended for “at least” 3 weeks |
| April 30 | PM says “we are past the peak” of the pandemic |
| may 10 | People that cannot work from home should return but avoid public transport |
| june 1 | Phased re-opening of schools in England. The “Rule of six” is implemented, allowing six people from different households to meet outdoors. |
| june 15 | Non-essential shops reopen in England |
| june 23 | Relaxation of restrictions and 2m social distancing rule |
| june 29 | First local lockdown is announced in Leicester |
| july 4 | More restrictions are eased, with pubs and restaurants being allowed to operate |
| july 17 | Public transport can be used for non-essential purposes |
| july 18 | Authorities gain additional powers to enforce social distancing, such as restrictions on those not wearing face coverings (DHSC, 2020) |
| august 1 | Shielding guidelines for the vulnerable cease. Permitting 2 million people to leave home and return to work |
| August 3 | “Eat out to help out” scheme with discounts on meals at restuarants |
| august 14 | Further relaxation of lockdown, theatres and bowling alleys open. |
|  |  |
| september 14 | “Rule of six” gatherings are banned |
| september 22 | Return to working from home and a 10pm curfew for hospitality sector |
| october 14 | New three-tier system of restrictions is implemented |
| november 5 | Second lockdown comes into force |
| november 24 | Announced that 3 households can meet during the Christmas period |
| december 2 | Second lockdown ends |
| december 15 | Rules are to be relaxed over Christmas, but advised to keep celebrations small |
| december 19 | Tier 4 “Stay at Home” restriction is introduced. |
| december 21 | London and South East England put under tier 4 restrictions |
| december 26 | More areas of England enter tier 4 restrictions |
| january 6 (2021) | Enter third national lockdown |
| february 15 | Hotel quarantines for travellers from high-risk countries |
| march 8 | Schools open for primary and secondary school students. Outdoor recreation allowed between two people. “Stay at home” order remains in place |
| march 29 | “Rule of six” is allowed again, for outdoors. “Stay at home” order ends |
| April 12 | Non-essential retail shops reopen. Outdoor venues including pubs and restaurants reopen |
| may 17 | “Rule of six” is now allowed for indoors, 30 people allowed to mix outdoors. Indoor venues of pubs and restaurants reopen. |
| july 19 | Most legal limits on social contact removed, final sectors reopen such as nightclubs |

# Literature Review:

Approximately 90 countries followed the example set by Italy in March 2020 by implementing their own forms of national lockdown and curfews during the coronavirus pandemic (Euronews, 2020). Whilst the lengths of time and requisite powers to enforce lockdowns among the public varied by country, the vast majority of these lockdowns followed similar rules. Non-essential workers were to stay home, gatherings were restricted and schools and retail stores were shut. Studies around the world have been conducted to investigate the relationship between the coronavirus and crime. They have found substantial variations in which types of crime the lockdown protocols impacted as well as how these changes were distributed over different cities and countries (Nivette, 2021).

Crime takes many forms and is strongly associated with both a target and a victim’s mobility (Farrell et al, 2020) and the situational opportunity for a crime to take place (Clarke, 2012). As the lockdowns restricted the ability to leave the house and interact with the public, it is simple to theorise those certain types of crime that rely on mobility as well as opportunity would decline. Crimes such as robbery and assault could be expected to decline due to less members of the public being present in opportunistic settings late at night, as well as the closure of venues decreasing the amount of alcohol being consumed in city centres. Crimes such as burglary could be expected to decrease due to the increased guardianship of the property due to the stay-at-home order, restricting the potential burglar’s access and opportunity. However, other forms of crime such as domestic violence and child abuse could be expected to rise due to the closer proximity and greater time spent together of families within the home (Sri et al, 2021). These domestic situations may be exacerbated by the greater increase in alcohol being consumed at home, leading to increases in mental health issues, suicide, alcoholism, as well as previously mentioned domestic violence (Ramalho, 2020). In tandem with the rise of alcohol use is the rise of substance abuse, with increases of overdoses being witnessed in the USA, particularly in relation to opioids (Abramson, 2021). Within the UK, respondents to anonymous surveys have reported an increase in drug consumption and frequency due to factors such as boredom, more free time, and stress (CREW, 2020). Combined with issues such as poorer drug quality (such as lower quality heroin and the greater availability of fentanyl), this has led to the highest number of deaths by drug misuse in the UK in 2020 since records began (OHID, 2021). The lack of physical opportunity for some crimes may have led to an increase in cybercrimes. With the inability to generate an income through either physical crime or having been made redundant due to the pandemic, online fraud as well as email and social media hacking were seen to increase during the immediate months following the lockdown announcement in the UK (Buil-Gil, 2021).

Domestic violence within the home against women and girls has been dubbed the “shadow pandemic” (Mlambo-Ngcuka, 2020). Unfortunately, gender-based violence is known to rise during emergency periods (Unicef, 2022). The UK failed to take into account what effect the national lockdown would have on domestic violence rates, leading to 16 girls being murdered within the first month which was triple the rate at the same period in 2019 (Taub et al, 2020). The scale of isolation experienced by victims is a result of support networks such as shelters and help-seeking avenues being shut down during the pandemic, which forces victims to move back in with abusers (Women’s Aid, 2020). What makes coronavirus unique is the fact that “the accessibility of services and the ability of women to access these [aid] services will decrease” (Hersh, 2020). Due to the close proximity to their abuser, many women have felt unable to call help services and therefore text messages and emails to providers had sharply increased whereas calls had decreased (Graham-Harrison et al, 2020).

A number of research papers have been published focusing on the crime aspect of the pandemic. They use statistical methods such as wavelet analysis and spatial point pattern test for retrospective analysis of data. They also use machine learning such as support vector regression and linear regression to identify relationships between covid levels and crime rates (Ma et al, 2022). Others have used predictive models such as Auto-Regressive Integrated Moving Average to try and predict what crime rates would have been during 2020 if the pandemic had not occurred, and therefore see if there are significant differences between what was predicted and what the true rates were (Payne et al, 2020).

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