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**ASSIGNMENT: A REPORT ON CORONA VIRUS AND THE EFFECTS OF THE**

**LOCKDOWN AND RESTRICTION OF MOVEMENT ON NIGERIANS.**

**COVID-19 INFECTION: ORIGIN, TRANSMISSION AND CHARACTERISTICS OF HUMAN CORONAVIRUSES**

The coronavirus disease 19 (COVID-19) is a highly transmittable and pathogenic viral infection caused by severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), which emerged in Wuhan, China and spread around the world. Genomic analysis revealed that SARS-CoV-2 is phylogenetically related to severe acute respiratory syndrome-like (SARS-like) bat viruses, therefore bats could be the possible primary reservoir. The intermediate source of origin and transfer to humans is not known, however, the rapid human to human transfer has been confirmed widely. There is no clinically approved antiviral drug or vaccine available to be used against COVID-19. However, few broad-spectrum antiviral drugs have been evaluated against COVID-19 in clinical trials, resulted in clinical recovery. In the current review, we summarize and comparatively analyse the emergence and pathogenicity of COVID-19 infection and previous human coronaviruses severe acute respiratory syndrome coronavirus (SARS-CoV) and middle-east respiratory syndrome coronavirus (MERS-CoV). We also discuss the approaches for developing effective vaccines and therapeutic combinations to cope with this viral outbreak.

**CORONA VIRUS IN NIGERIA**

The Federal Ministry of Health confirmed a coronavirus disease (COVID-19) case in Lagos State, Nigeria. The case, which was confirmed on the 27th of February 2020, is the first case to be reported in Nigeria since the beginning of the outbreak in China in January 2020.

The case is an Italian citizen who works in Nigeria and returned from Milan, Italy to Lagos, Nigeria on the 25th of February 2020. He was confirmed by the Virology Laboratory of the Lagos University Teaching Hospital, part of the Laboratory Network of the Nigeria Centre for Disease Control. The patient is clinically stable, with no serious symptoms, and is being managed at the Infectious Disease Hospital in Yaba, Lagos.

The Government of Nigeria, through the Federal Ministry of Health has been strengthening measures to ensure an outbreak in Nigeria is controlled and contained quickly. The multi-sectorial Coronavirus Preparedness Group led by the Nigeria Centre for Disease Control (NCDC) has immediately activated its national Emergency Operations Centre and will work closely with Lagos State Health authorities to respond to this case and implement firm control measures.

**CASE SUMMARY IN NIGERIA AS AT APRIL 19TH, 2020.**

Total Samples Tested > 7153

Total Confirmed cases - 627

Discharged - 170

Death(s) - 21

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| **States Affected**  | **No. of Cases (Lab Confirmed)**  | **No. of Active Cases**  | **No. Discharged**  | **No of Deaths**  |
| Lagos | 376‬ | 266 | 97 | 13 |
| Abuja FCT | 88 | 63 | 23 | 2 |
| Kano | 36 | 35 | 0 | 1 |
| Osun | 20 | 2 | 18 | 0 |
| Oyo | 16  | 11 | 5 | 0 |
| Edo | 15 | 8 | 6 | 1 |
| Ogun | 12 | 7 | 5 | 0 |
| Katsina | 12 | 11 | 0 | 1 |
| Kwara | 9 | 7 | 2 | 0 |
| Akwa Ibom | 9 | 5 | 3 | 1 |
| Bauchi | 7 | 6 | 1 | 0 |
| Kaduna | 6 | 2 | 4 | 0 |
| Delta | 4 | 3 | 0 | 1 |
| Ondo | 3 | 3 | 0 | 0 |
| Ekiti | 3 | 1 | 2 | 0 |
| Enugu | 2 | 0 | 2 | 0 |
| Rivers | 2 | 0 | 2 | 0 |
| Niger | 2 | 2 | 0 | 0 |
| Jigawa | 2 | 2 | 0 | 0 |
| Benue | 1 | 1 | 0 | 0 |
| Anambra | 1 | 1 | 0 | 0 |
| Borno | 1 | 0 | 0 | 1 |
| **Total** | 627  | 436 | 170 | 21 |

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**The NCDC (NIGERIAN CENTER FOR DISEASE CONTROL)**

The Nigeria Centre for Disease Control is the country’s national public health institute, with the mandate to lead the preparedness, detection and response to infectious disease outbreaks and public health emergencies. Over the last three years, the NCDC have employed a new tool for disease surveillance. The surveillance, outbreak response management and analysis system (SORMAS) is a system jointly developed between NCDC and HZI (Helmholtz centre for infections). So far, NCDC has supported states for improved coordination of outbreak preparedness and response.

**EFFECTS OF LOCKDOWN AND RESTRICTION OF MOVEMENT IN NIGERIA.**

What is ‘lockdown’? According to the Cambridge English Dictionary, Lockdown is ‘a situation in which people are not allowed to enter or leave a building or area freely because of an emergency.’ They are positive and negative effects of the lockdown. They are:

**POSITIVE EFFECTS:**

1. It reduces the risk of the spread of the virus
2. It enables families create stronger bonds
3. Those that did not have much time for themselves before the lockdown, now have time to relax

**NEGATIVE EFFECTS:**

1. It leads to recession
2. It leads to the increase of prices of limited goods
3. The school academic calendar is extended

**CONCLUSION:**

In conclusion, corona virus has brought about a lot of changes in Nigeria. The Federal Government of Nigeria though the federal ministry of health have been trying their best to ensure that the outbreak in Nigeria is being controlled and stopped immediately. The NCDC has been activated in national emergency operation center working in different states in Nigeria. Medical personnel are trying their best to give out ways to stop the pandemic called corona virus. As the pandemic is still in our country and the lockdown is still ongoing, we should listen and act according to the preventive measures that can keep us safe during this pandemic. The Federal Government are trying their best to make sure Nigeria is safe and we the citizens need to adhere to the measures to bring an end to this dreadful virus