A Geographical Review: Novel Coronavirus (COVID-19) Pandemic

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ABSTRACT

This paper clearly shows the statistical analysis of the geographical coronavirus COVID-19 pandemic. Here, we have mentioned the total cases in comparison with total deaths as well as recovered cases. From this analysis we measure the ratio between the countries in accordance with their geographical location. So that the clear pictures gives why the virus affected this area, in our point the climate and antibiotic plays a vital role in this pandemic. The geographically affected COVID-19 cases are mentioned in the data table neatly.

Keywords: Pandemic, World war III, Locations, COVID-19.

1. Introduction

Without an authorized antibody or compelling therapeutics for COVID-19, different encourages to hand tidiness and isolate a fundamental methodology to control and mitigation intercession towards the early identification and isolate of cases to break the chain of transmission [1]. The SARS-CoV-2 pandemic is at present an enormous test for scientists, clinicians, medicinal services laborers, and chiefs. We delineate the most striking challenges for analysts who need to offer help in this pandemic with their capability. In this article, we need see the specific date while the recuperation pace of patients would be more than new NCV cases in India [2]. This date is characterized as an ailment declined date. Coronavirus is certifiably not another infection however the serious intense respiratory condition coronavirus, SARS nCoV is the new infection of the family Corona virus cases found in China [3]. World Health association authoritatively renames SARS-CoV (SARS-nCoV) or Novel coronavirus as COVID-19 on 11 February 2020 [4]. Alpha coronavirus, Beta coronavirus, Gamma coronavirus, and Delta coronavirus are the four genera of the family Coronavirus [5],[6]. Bats are the wellspring of COVID-19 infection and spread in people just as warm blooded animal [7],[8].

The SARS coronavirus (SCoV) seems, by all accounts, to be zoonotic and to have begun in wild warm blooded animals in southern China. A coronavirus contains single-abandoned RNA inside a lipid envelope. Coronaviruses cause a significant portion of human colds and various regular respiratory diseases in different creatures, including domesticated animals and poultry [9]. Since its rise, a few veterinary and biomedical researchers have been approached to share their impressive information on coronaviruses with a tremendous new crowd and to join the exploration reaction to the pestilence [10]. This experience—and the high worth apparent in accessible information and comprehension of coronavirus science and atomic science, picked up when coronaviruses were not perceived to be the causative specialist of any serious irresistible infection—bears witness to the estimation of fundamental research [11].

In light of their hereditary successions, the 14 recently known coronaviruses have been isolated into three significant gatherings [12]. While S-CoV has been connected with Group II coronaviruses, whose individuals
incorporate human and cow-like respiratory infections and the mouse hepatitis infection, there is still some discussion about whether its hereditary highlights may be adequately unmistakable to warrant characterization inside a different, fourth class of coronaviruses [13].

In spite of the fact that coronaviruses for the most part cause malady in a solitary animal varieties, it has been exhibited that some coronaviruses can cross species hindrances. Additionally, RNA infections are bound to be zoonotic than DNA infections. These discoveries loan trustworthiness to the theory that SCoV is a zoonosis [14],[15]. Infections taking after human SCoV allegedly have been distinguished in wild well evolved creatures of southern China that were brought to commercial centers where they were sold as outlandish nourishment. Immunological and hereditary trial of these SCoV-like infections proposes that human SCoV might be a creature infection transmitted to people in the ongoing past [16].

2. Methodology

This paper presents the statistical analysis of novel coronavirus across worldwide impact. Here we clearly mentioned that the geographical statistics extract from various databases. We have compared the sub countries of European continent initially in accordance with total cases, deaths, recovered and active cases. Second, the comparison extends to Asian continent as well as African continent. Lastly, the United States of America affected hugely because of they are missed out the social distancing strategies. Even huge populated countries like china and India escaped from the major mortalities because MHRD, India has announced the lockdown in the correct time which leads to minimize the mortality. So, in this paper we have strongly shows the graphical view of the affected countries till May, 2020.

| Country    | Total Cases | Total Deaths | Total Recovered | Active Cases | Serious Cases |
|------------|-------------|--------------|-----------------|--------------|---------------|
| Europe     | 1,447,540   | 140,614      | 540,692         | 766,234      | 17,275        |
| Spain      | 247,122     | 25,264       | 148,558         | 73,300       | 2,386         |
| Italy      | 210,717     | 28,884       | 81,654          | 100,179      | 1,501         |
| UK         | 186,599     | 28,446       | N/A             | 157,809      | 1,559         |
| France     | 168,693     | 24,895       | 50,784          | 93,014       | 3,819         |
| Germany    | 165,664     | 6,866        | 130,600         | 28,198       | 1,979         |
| Russia     | 134,687     | 1,280        | 16,639          | 116,768      | 2,300         |
| Belgium    | 49,906      | 7,844        | 12,309          | 29,753       | 674           |
| Netherlands| 40,571      | 5,056        | N/A             | 35,265       | 688           |
| Switzerland| 29,905      | 1,762        | 24,500          | 3,643        | 141           |
### Table 2: COVID-19 pandemic in the region of America till 4-May-2020

| Country                | Total Cases | Total Deaths | Total Recovered | Active Cases | Serious Cases |
|------------------------|-------------|--------------|-----------------|--------------|---------------|
| North America          | 1,292,735   | 1,654        | 75,262          | 108          | 221,189       |
| USA                    | 1,188,150   | 68,599       | 178,263         | 941,288      | 16,139        |
| Canada                 | 59,474      | 3,682        | 24,908          | 30,884       | 557           |
| Mexico                 | 23,471      | 2,154        | 13,447          | 7,870        | 378           |
| Dominican Republic     | 7,954       | 333          | 1,606           | 6,015        | 144           |
| Panama                 | 7,197       | 200          | 641             | 6,356        | 91            |

### Table 3: COVID-19 pandemic in the region of Asia till 4-May-2020

| Country              | Total Cases | Total Deaths | Total Recovered | Active Cases | Serious Cases |
|----------------------|-------------|--------------|-----------------|--------------|---------------|
| Asia                 | 559,056     | 19,624       | 295,674         | 243,758      | 5,363         |
| Turkey               | 126,045     | 3,397        | 63,151          | 59,497       | 1,424         |
| Iran                 | 97,424      | 6,203        | 78,422          | 12,799       | 2,690         |
| China                | 82,880      | 4,633        | 77,766          | 481          | 33            |
| India                | 42,533      | 1,391        | 11,775          | 29,367       |               |
| Saudi Arabia         | 27,011      | 184          | 4,134           | 22,693       | 139           |
| Pakistan             | 20,186      | 462          | 5,590           | 14,134       | 111           |
| Singapore            | 18,205      | 18           | 1,408           | 16,779       | 22            |
| Israel               | 16,208      | 232          | 9,749           | 6,227        | 103           |
3. Results and Discussions

Here, we have taken comparative analysis of active cases, death count as well as recovered ratio over worldwide (geographical location). The figure 1 and 2 shows the geographical view of Asian and African countries COVID-19 pandemic. The figure 3 and 4 shows the geographical view of European and American countries COVID-19 pandemic consequently.

**Table 4: COVID-19 pandemic in the region of Africa till 4-May-2020**

| Country      | Total Cases | Total Deaths | Total Recovered | Active Cases | Serious Cases |
|--------------|-------------|--------------|-----------------|--------------|---------------|
| Africa       | 45,466      | 1,802        | 15,146          | 28,518       | 132           |
| South Africa | 6,783       | 131          | 2,549           | 4,103        | 36            |
| Egypt        | 6,465       | 429          | 1,562           | 4,474        |               |
| Morocco      | 4,903       | 174          | 1,438           | 3,291        | 1             |
| Algeria      | 4,474       | 463          | 1,936           | 2,075        | 22            |
| Nigeria      | 2,558       | 87           | 400             | 2,071        | 4             |
| Ghana        | 2,169       | 18           | 229             | 1,922        | 4             |
| Cameroon     | 2,077       | 64           | 953             | 1,060        | 12            |
| Guinea       | 1,586       | 7            | 405             | 1,174        |               |
| Ivory Coast  | 1,398       | 17           | 653             | 728          |               |

**Figure 1:** The geographical view of Asian countries COVID-19 pandemic
Figure 2: The geographical view of African countries COVID-19 pandemic

Figure 3: The geographical view of American countries COVID-19 pandemic
Figure 4: The geographical view of European countries COVID-19 pandemic

Figure 5: Cumulative number of cases, by number of days since 10,000 cases

4. Conclusion

Here, we proudly conclude that the pandemic is mainly due to misleading the concept of social distancing, so from our research we strongly recommend you to maintain social distancing and the hygienic food than taking medicine. So the recovery rate is high in many countries shows the positive signs. As much as possible obey the rules of our government also very significant factor in this regard. Therefore if we need any remedies only thing we have to be maintain social distancing.

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