EDBCO-19: Emergency Data Base of COVID-19

Shahid Ullah[1, 2]*, Farhan Ullah[1], Wajeeha Rahman[1], Muhammad Ijaz[1], Gulzar Ahmad[1] and Waheed Ullah[1]

Abstract

A coronavirus disease epidemic in 2019 (COVID-19) has occurred in Wuhan China since December 2019 and has quickly spread, now being reported in several countries, approximately 190 out of 252 nations. Screening in high-risk populations and improving measurement sensitivity can help diagnose and handle the asymptomatic infection. To know more about we have mini-review, which have the dailyand auto-notifications after 10 minutes, numerous new reported cases for period-over-period, multiple new confirmed cases for fixed-base, and the period-over-period rate of development of new confirmed cases. Particularly EDBCO-19 provides confirmed cases, number of death, recovered, number of new death, number of new cases, number of critical Cases, number of active cases anddensity of cases per meterof every country by clicking country flag, or typing the country name in given search bar, this study aims to provide an easy way to the scientific community about COVID-19 as well as for the public. Computer programming such as Java, PhP, HTML, CSS, etc. is used to build and is freely available at http: //www.habdsk.org/corona_virus.php.

[1]S Khan Lab Mardan, Khyber Pakhtunkhwa, Pakistan

[2]Institute of Low-dimensional Materials Genome Initiative, College of Chemistry and Environmental Engineering, Shenzhen University, Shenzhen, Guangdong 518060, PR, China

*Corresponding Author: Shahid Ullah, S Khan Lab Mardan, Khyber Pakhtunkhwa, Pakistan.

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Introduction

The name of Coronavirus is derived from Latin corona meaning crown or wreath [1], was first discovered in 1930 [2], Human coronavirus was discovered in 1960 [3,4] and named by June Almeida and David Tyrrell [5] which is responsible for a largeproportion of upper respiratory tract infection in infants, and manly target epithelial cell [6] of the lungs by binding to the angiotensin-converting enzyme 2 (ACE2) receptor [7] while in animal mainly infect the epithelial cells of the digestive tract [6] and serious respiratory infection such as pneumonia and lung failure [8]. A current coronavirus disease epidemic in 2019 (COVID-19) has occurred in Wuhan China since December 2019 and has quickly spread, now being reported in several countries [9], approximately 190 out of 252 nations. Screening in high-risk populations

and improving measurement sensitivity can help diagnose and handle asymptomatic infection [10] to know more about we have mini-review, which have the dally and auto-notifications after 10 minutes, numerous new reported cases for period-over-period, multiple new confirmed cases for fixed-base, and the period-over-period rate of development of new confirmed cases.

Figure 1. The searching procedure of EDBCO-19. (A) By clicking the name of the country, (B) The result of the requested query, (C) Searching by typing the name of the country, (D) Used USA as an example and (E) The final needed result.

A database is the collection of organized information that can be easily accessed, managed and updated, previously we have provided several comprehensive and well-cited data bases to scientific community such as, dbpaf http://dbpaf.biocuckoo.org/ [11] is on phospo-site of animal and fungi, dbpsphttp://dbpsp.biocuckoo.org/ [12] have phospo-sites of plants, and CGBD http://cgdb.biocuckoo.org/ [13] is about the circadian gene, which is been published in scientific report https://www.nature.com/srep/, database https://academic.oup.com/database and nucleic acids (NAR) https://academic.oup.com/nar journals

respectively. EDBCO-19 will provide confirmed cases, number of deaths, recovered, number of new deaths, number of new cases, number of critical Cases, number of active cases and density of cases per meter of every country by clicking country flag, or by typing the country name in the given search bar, this study aims to provide an easy way to the scientific community about COVID-19 as well as daily updates to the public.

Database construction

A database is the collection of well-organized information that can be easily accessed, manage and update, according to published work we have provided an EDBCO-19; Emergency Data Base of COVID-19, to the scientific community as well as for public daily news on an easy search and friendly finding way, which is constructed in java, PhP, HTML and CSS and will be updated with time.

Use of the database

EDBCO-19 (Emergency Data Base of COVID-19), is an online data resource specifically designed for COVID-19. Daily updates for the benefit of the scientific community as well as for the public, The (EDBCO-19) is designed on the easy and friendly finding way, user can search by clicking on the country flag (Figure A), Which will lead to the needed information (Figure B), either can type the name of the country in the search bar (Figure C),for more easy understanding we have put the USA as an example in the given figure (Figure D), which give the need

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information to the user in the form of a table (Figure E).

Conclusion

The current study reports the daily updates of COVID-19 for the scientific community as well as for the public. We have curated an emergency data base on Covid-19 for easy and friendly finding ways. User can search by clicking country flag, or can type the name of the country which will lead to a new page, by clicking provided links will give all about, such as confirmed cases, number of death, recovered, number of new death, number of new cases, number of critical Cases, number of active cases and density of cases per meter of every country.

Author Contributions

Dr. Shahid Ullah and Wajeeha Rahman designed and supervised the project, performed data analysis. Waheed Ullah developed the database. Wajeeha Rahman, Gulzar Ahmad, Farhan Ullah, and Muhammad Ijaz contributed to data analysis. Dr. Shahid Ullahwrote themanuscript. All authors reviewed the manuscript.

Acknowledgment

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