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**Name of Journal:** *World Journal of Virology*

**Manuscript NO:** 61939

**Manuscript Type:** MINIREVIEWS

**Exploiting epidemiological data to understand the epidemiology and factors that influence COVID-19 pandemic in Libya**

COVID-19 pandemic in Libya

### Abstract

There were only 75 confirmed cases of COVID-19 reported in Libya by the National Center for Disease Control during the first two months following the first confirmed case on 24 March 2020. However, there was dramatic increase in positive cases from June to now; as of 19 November 2020, approximately 357940 samples have been tested by RT-PCR, and the results have revealed a total number of 76808 confirmed cases, 47587 recovered cases and 1068 deaths. The case fatality ratio was estimated to be 1.40%, and the mortality rate was estimated to be 15.90 in 100,000 people. The



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Coronavirus

Statistics

Vaccine

Prevention

Symptoms

Treatment

Testing

More info

## Assessing Risk Factors for Severe COVID-19 Illness | CDC 3 mins read

<https://www.cdc.gov/.../assessing-risk-factors.html> ▾

Feb 11, 2020 · COVID-19 can affect anyone, and the disease can cause symptoms ranging from mild to very severe. For some other illnesses caused by respiratory viruses (such as influenza), some people may be more likely to have severe illness than others because they have characteristics or medical conditions that increase their risk.

## Risk factors and risk groups

<https://www.ecdc.europa.eu/en/covid-19/latest-evidence/epidemiology> ▾

Nov 16, 2020 · Other studies described similar comorbidities in hospitalised and ICU patients by [13-16]. There is a need for more **data to understand** how pre-existing conditions can **influence** the course of COVID-19 in children and adolescents [11,13,17]. Residents of long term care facilities and nursing homes (last update 14/11/2020)

### Coronavirus (COVID-19) statistics



Global

Libya ▾

Select to view: Confirmed Deaths

Data is collected from multiple sources that update at different times and may not always align. Some locations may not provide complete information.

### Libya cases

Updated Mar 4 at 3:13 PM local

Confirmed

135,585

+618

Deaths

2,219

+3

Recovered

123,003

+924

### Global cases

Updated Mar 4 at 3:13 PM local

Confirmed

115,128,349

+399,889

Deaths

2,558,059

+9,486

Recovered

65,099,514

+217,891

See breakdown



### Confirmed cases



ALL

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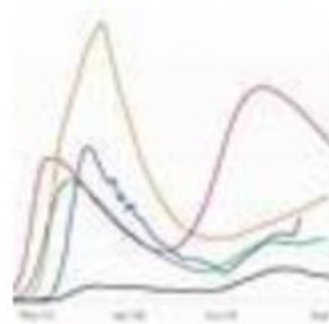
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## How epidemiological models of COVID-19 ... - Our World in Data

<https://ourworldindata.org/covid-models> ▼



Aug 24, 2020 · A key limitation in our **understanding** of the **COVID-19 pandemic** is that we do not know the true number of infections. Instead, we only know of infections that have been confirmed by a test – the confirmed cases. But because many infected people ...

## The spatio-temporal epidemic dynamics of COVID-19 outbreak ...

<https://www.cambridge.org/core/journals/epidemiology-and-infection/article/...> ▼

On 11 March 2020, the World Health Organization (WHO) declared the novel coronavirus disease (**COVID-19**) outbreak a **pandemic**. The disease, caused by severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), was first reported in the city of Wuhan, China in late December 2019 and has quickly spread globally with 11 937 659 cases and a case fatality rate (CFR) of 4.57% as of 7 July 2020. [ 1 ]

## [PDF] Research Opportunity Announcement

<https://www.nhlbi.nih.gov/sites/default/files/...>

Observational Studies of **COVID-19** – A Cohort of Cohorts . Introduction . A wide variety of host and community-related **factors** – including age, sex/gender, race/ethnicity, socioeconomic status, lifetime exposures, and pre-existing disease – likely moderate the risks of and outcomes in **COVID-19**; this is evidenced by remarkable variations in

## Chaos theory applied to the outbreak of COVID-19: an ...

<https://www.cambridge.org/core/journals/...> ▼

May 08, 2020 · Introduction. The coronavirus SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) is responsible for the **COVID-19** epidemic that broke out in Wuhan (China) in December 2019

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## Epidemiology and Its Role in COVID-19 | Welcome to the ...

<https://coe.uni.edu/epidemiology-and-its-role-covid-19> ▾

**Epidemiology** is the study of the distribution and determinants of health and health-related events/behaviors in different populations. In **epidemiology**, we study the who, what, when, where and why of health to prevent disease and promote health for all. How does **epidemiology** help us **understand** the origins of **COVID-19**? **Epidemiology** has several ...

## How epidemiological models of COVID-19 ... - Our World in Data

<https://ourworldindata.org/covid-models> ▾

Aug 24, 2020 · A key limitation in our **understanding** of the **COVID-19 pandemic** is that we do not know the true number of infections. Instead, we only know of infections that have been confirmed by a test – the confirmed cases. But because many infected people never get tested,<sup>2</sup> we know that confirmed cases are only a fraction of true infections. How small a fraction though?

## Factors affecting COVID-19 infected and death rates inform ...

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0241165> ▾

Oct 23, 2020 · Contributions: While it is evident that **factors** such as gender, race, age, testing, social contact and distancing have been analyzed in a piecemeal manner, there is no comprehensive study that combines the demographic, economic, and **epidemiological**, ethnic and health indicators for infection and mortality from **COVID-19**. To address this gap, we carry out a machine learning-based analysis with ...

Cited by: 12

Author: Satyaki Roy, Preetam Ghosh

Publish Year: 2020

Estimated Reading Time: 8 mins

## A systematic review on the impacts of Covid-19 on work ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8013766>

2.1. Definition of the sample. The definition of the sample of the systematic literature review began with a search in ISI Web of Science and Scopus databases for publications fitting the following conditions: (i) directly related to **Covid-19**: search for (**covid-19** OR coronavirus OR sars-cov) in the title, abstract, or keywords; AND (ii) work-related issues: search for (work\* OR job OR ...

Author: Tiago F A C Sigahi, Bruno C Kawasaki, I...

Publish Year: 2021

## Describing Epidemiologic Data | Epidemic Intelligence ...

<https://www.cdc.gov/eis/field-epi-manual/chapters/Describing-Epi-Data.html> ▾

Dec 13, 2018 · Organizing descriptive **data** into tables, graphs, diagrams, maps, or charts provides a rapid, objective, and coherent grasp of the **data**. Whether the tables or graphs help the investigator **understand** the **data** or explain the **data** in a report or to an audience, their organization should quickly reveal the principal patterns and the exceptions to those patterns.

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