

# Proposal

## Input

Hospital Beds  
Patients  
Doctor  
Fund(Domestic and International)  
Vaccination  
Tests

## Output

Death rate  
Positivity  
Cured Patients

## Input Parameters

Hospital Beds,ICU Beds,Ventilators

<https://www.rbi.org.in/Scripts/PublicationsView.aspx?id=20793> (Published on Nov 24,2021)

<https://www.rbi.org.in/Scripts/PublicationsView.aspx?id=21411> (Published on Nov 19,2022)

<https://www.kaggle.com/datasets/dheerajmpai/hospitals-and-beds-in-india>

(Data as of July 2018,The dataset is further classified into the ministries that maintain these hospitals and beds (Ministry of Defence, Railways etc.)

[https://onehealthtrust.org/wp-content/uploads/2020/04/State-wise-estimates-of-current-beds-and-ventilators\\_24Apr2020.pdf](https://onehealthtrust.org/wp-content/uploads/2020/04/State-wise-estimates-of-current-beds-and-ventilators_24Apr2020.pdf) ( A research paper on

COVID-19 in India :State-wise estimates of current hospital beds, intensive care unit(ICU) beds and ventilators by **Geetanjali Kapoor, Aditi Sriram, Jyoti Joshi, Arindam Nandi, Ramanan Laxminarayan**)

<https://pib.gov.in/PressReleaseIframePage.aspx?PRID=1657051> (Number of Covid Hospitals as on 18th September,2020)

[https://www.researchgate.net/figure/State-wise-data-of-active-COVID-19-cases-and-availability-of-public-and-private\\_tbl3\\_350104619](https://www.researchgate.net/figure/State-wise-data-of-active-COVID-19-cases-and-availability-of-public-and-private_tbl3_350104619) (Data compiled via National Health Policy 2019)

Birth Rate

<https://www.rbi.org.in/Scripts/PublicationsView.aspx?id=21399> (Published on Nov 19,2022-Contains data about year 2019 and 2020)

[https://www.researchgate.net/publication/350192750\\_COVID-19\\_PANDEMIC\\_AND\\_ITS\\_FORTHCOMING\\_IMPACT\\_ON\\_BIRTH\\_RATE\\_IN\\_INDIA](https://www.researchgate.net/publication/350192750_COVID-19_PANDEMIC_AND_ITS_FORTHCOMING_IMPACT_ON_BIRTH_RATE_IN_INDIA) (effect of covid on upcoming birth rate)

Doctors and Specialists

<https://www.rbi.org.in/Scripts/PublicationsView.aspx?id=21410> (Published on

Nov 19,2022-Contains data of 2020 and 2021)

<https://human-resources-health.biomedcentral.com/articles/10.1186/s12960-021-00575-2> (Size, composition and distribution of health workforce in India: why, and where to invest?)

#### Funds

<https://www.dwih-newdelhi.org/en/topics/society-in-transition-impacts-of-the-pandemic/covid-19-and-public-health-in-india/> (Not a research paper but a article)

[https://www.pmcare.gov.in/assets/donation/pdf/Audited\\_Statement\\_2021\\_22.pdf](https://www.pmcare.gov.in/assets/donation/pdf/Audited_Statement_2021_22.pdf) (Funds received via PM-cares Fund both domestic as well international through PM Cares Fund-2021-22)

[https://www.pmcare.gov.in/assets/donation/pdf/Audited\\_Statement\\_2020\\_21.pdf](https://www.pmcare.gov.in/assets/donation/pdf/Audited_Statement_2020_21.pdf) (Funds received via PM-cares Fund both domestic as well international through PM Cares Fund-2020-21)

<https://pib.gov.in/PressReleasePage.aspx?PRID=1730963> (Domestic Help by Government-Data and Statistics)

#### Vaccination

[https://www.kaggle.com/datasets/sudalairajkumar/covid19-in-india?select=covid\\_vaccine\\_statewise.csv](https://www.kaggle.com/datasets/sudalairajkumar/covid19-in-india?select=covid_vaccine_statewise.csv) (Contains number of vaccine administrated statewise-Daily data)

<https://pib.gov.in/PressReleasePage.aspx?PRID=1777164> (Har Ghar Dastak Campaign)

## Output Parameters

#### Death Rate

<https://www.rbi.org.in/Scripts/PublicationsView.aspx?id=21400> (Published on Nov 19,2022-Contains data about year 2019 and 2020)

<https://bmcpublihealth.biomedcentral.com/articles/10.1186/s12889-021-11690-z> (Age-Pattern Mortality from Jan-Dec 2020)

<https://www.sciencedirect.com/science/article/pii/S1871402120303453?via%3Dihub> (Covid-19 and mortality in Doctors-research carried out during july2020)

<https://www.rbi.org.in/Scripts/PublicationsView.aspx?id=21401> ( Infant Mortality Rate -Published on Nov 19,2022-Contains data about year 2019 and 2020)

<https://www.rbi.org.in/Scripts/PublicationsView.aspx?id=21402> ( Maternal Mortality Ratio-Published on Nov 19,2022-Contains data uptill 2019)

#### Positivity

<https://www.covid19india.org> (Live Data)

<https://www.kaggle.com/datasets/sudalairajkumar/covid19-in-india> (Contains data about total number of data samples collected ,number of postives and number of negatives)

<https://prsindia.org/covid-19/cases>(Contains daily data on confirmed active cured and death)

Cured Patients

[https://www.kaggle.com/datasets/sudalairajkumar/covid19-in-india?](https://www.kaggle.com/datasets/sudalairajkumar/covid19-in-india?select=covid_19_india.csv)

[select=covid\\_19\\_india.csv](https://www.kaggle.com/datasets/sudalairajkumar/covid19-in-india?select=covid_19_india.csv) (Contains data on the number of cured patients as well as on number of foreign and indian nationals admitted)

### **WHO Data(All Data provided by WHO and JHU are for the whole of India and not statewise)**

<https://github.com/owid/covid-19-data/tree/master/public/data>(This is the source from which WHO collects its data)

<https://ourworldindata.org/coronavirus-testing> (Contains data on Daily covid tests per thousand people in India, Total Covid Tests per thousand people)

<https://ourworldindata.org/covid-cases> (Contains data on daily new confirmed covid-19 cases per million people)

<https://ourworldindata.org/covid-deaths> (daily new confirmed COVID-19 deaths per million people)

<https://ourworldindata.org/covid-vaccinations> (Daily COVID-19 vaccine doses administered)

<https://portal.who.int/report/eios-covid19-counts/>

[#display=Countries\\_and\\_Territories&nrow=2&ncol=3&arr=row&pg=1&labels=cur\\_case\\_who&sort=cur\\_case\\_who;desc&filter=&sidebar=4&fv=](https://portal.who.int/report/eios-covid19-counts/#display=Countries_and_Territories&nrow=2&ncol=3&arr=row&pg=1&labels=cur_case_who&sort=cur_case_who;desc&filter=&sidebar=4&fv=) (Contains data on total cases ,total deaths ,case fatality rate as well as comparison of data between John Hopkins and WHO)