CovidInfo.org

CovidInfor.org is an organization which provides collective information globally and data about coronavirus disease. It helps World Health Organizations, Business, Healthcare to do predictive analysis about the disease and take prevent measures to control the disease.

Sample Use Case scenarios

Collect information based on daily basis of covid spread based on country.

Aggregate data and count the number of testcases count with respect to population.

Finding Covid demographics based on patients' age with underlying medical conditions.

Limitations

When the disease started spreading more, it was difficult to manage the massive volume of data. Say for example unable to do contract tracing for all individuals and Variants of covid increased.

Varity of data has been populated which includes Graphs which is unstructured data and not doing predictive Analysis to protect the spread of the disease. So, value analysis must be defined in the future.

Conclusion

So, in future my organization data will change to Big Data with more volume, velocity, variety, and value.

Covidinfo.org Database Design



Country

Country_id •• int
Country_code varchar(50) +
State varchar(50)
City varchar(50)
Total_no_cases int

Total_cases

Day_to_day_basis

Covid_demographics

Covid_demogragh_id	O+ int
country_code	varchar(50)
Age	int
No_of_deaths	int
share_of_deaths	int
With_underlying_conditions	int
Without_underlying_conditions	int
unknown_if_With_underlying_cond	ditions int
share_of_deaths_of_unknown+w/o	_cond int