Sharing COVID-19 Epidemiology Data

The Challenge:

Despite the urgent need for evidence-based policies and public health and medical decision-making, there is no international standard or coordinated system for collecting, documenting, and disseminating COVID-19 related data and metadata, making their use and reuse for timely epidemiological analysis challenging due to issues with documentation, interoperability, completeness, methodological heterogeneity, and data quality.

Produced by: RDA COVID-19 Epidemiology

https://www.rd-alliance.org/groups/rda-covid-19-epidemiology

What is the solution?

Guidelines with respect to six focus areas i.e. data sources, instruments, privacy, epidemiological data model, causal loops, and an epi-stack framework have been published. The supporting output provided supplemental resources, and further developed the global data driven vision described in the guidelines. This included a proposed computable framework to support system responses for emerging pathogens. It offers compatible and reliable data models, protocols, and action plans for newly identified threats such as COVID-19.

What is the impact?

The recommendations and guidelines support development of an internationally harmonized specification to enable rapid reporting and integration of epidemiology and related data across domains and between jurisdictions.

The guidelines outline a data driven, coordinated global system that encompasses preparedness, early detection, and rapid response to newly emergent threats such as SARS-CoV-2 virus and the COVID-19 disease that it causes.

Find out more about the Supporting Output from the RDA COVID-19 Epidemiology WG

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