

## ABSTRACT

# Public health data sharing policy and informatics initiatives at China CDC

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## Objective

The objective of this study is to describe public health data-sharing policy, and informatics initiatives at China Center for Disease Control and Prevention (China CDC).

## Introduction

Construction of data-sharing network for public health is one of the national scientific data-sharing projects, based on the data resource that distributed at China Center for Disease Control and Prevention (China CDC), universities, research institutes, and scientists, as well as the data from research projects were integrated.

## Data sharing policy

China CDC believes that data sharing is essential for expedited translation of research results into knowledge, products, and procedures to improve human health. The policy reaffirmed the principle that data should be made as widely, and freely available as possible while safeguarding the privacy of research participants, and protecting confidential and proprietary data.

## Informatics initiatives

From 2004, China CDC has launched many informatics initiatives, including: to establish the technical platform

releasing to the entire society, to push forward China's scientific data sharing, to assemble more valuable and available databases especially for epidemiology of the serious diseases, to build database integration for special research field in order to give more convenience to users, to set up the rules for technical standards data sharing, management, quality control of the databases, and service guide. The goal of these initiatives is to build infrastructure and networks to facilitate data sharing, integration, and interoperability.

## Conclusions

Whole public health information, when combined with clinical and other phenotype data, offers the potential for increased understanding of disease processes affecting human health, improvement in the disease control, and prevention. For these reasons, China CDC believes that the full value of infrastructure and networks can be realized only if the public health datasets are made available as rapidly as possible to a wide range of scientific investigators.

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