PHAROS

Platform for Harmonizing and Accessing Data in Real-time on Infectious Disease Surveillance Based on OMOP-CDM in Korea

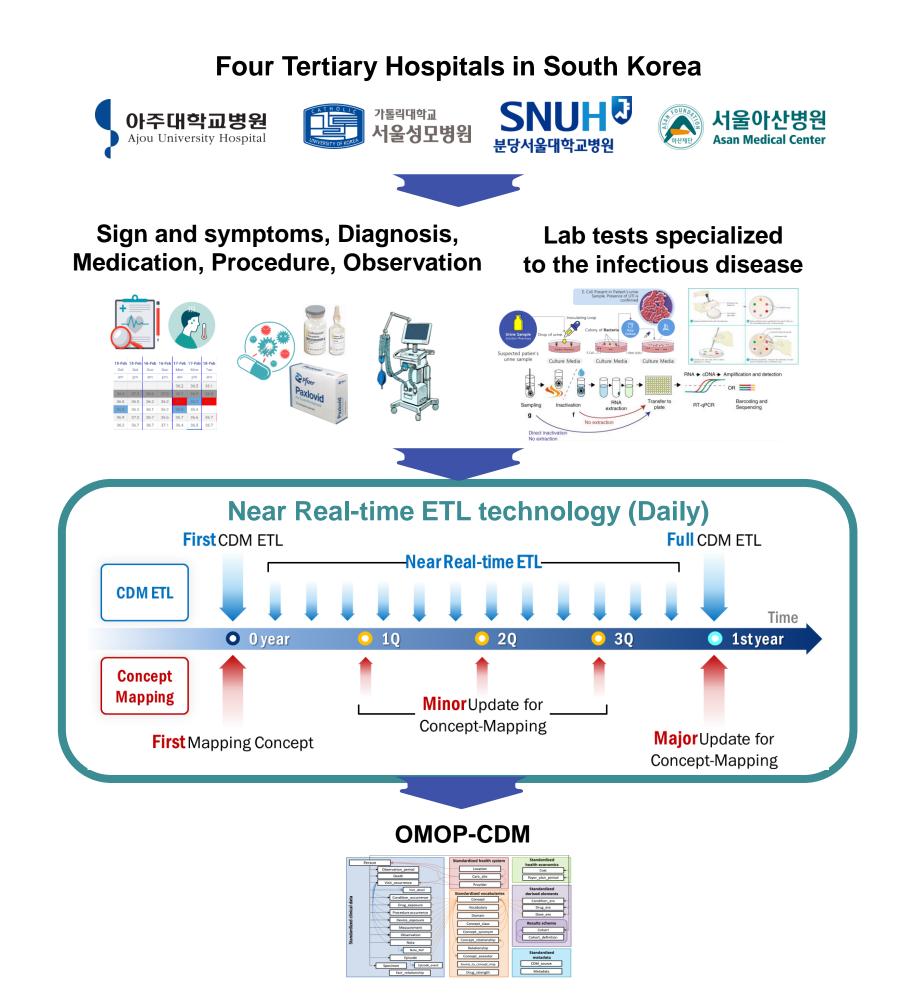


INTRO

- It is difficult to collect comprehensive clinical characteristics of infected patients as in the current infectious disease reporting system.
- We initiate a new project for developing an integrated infectious disease data managing system based on OMOP-CDM in Republic of Korea, named "PHAROS".

METHODS

1. Infectiuos disease CDM network



infectious

disease

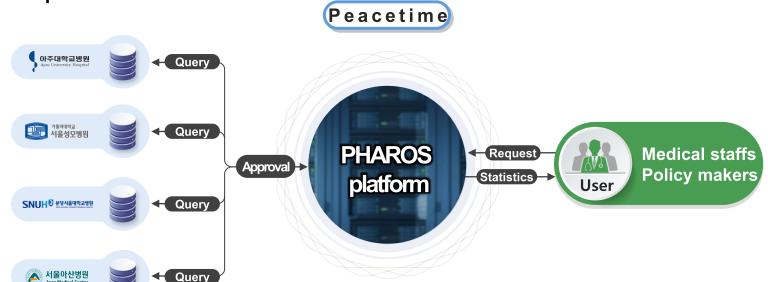
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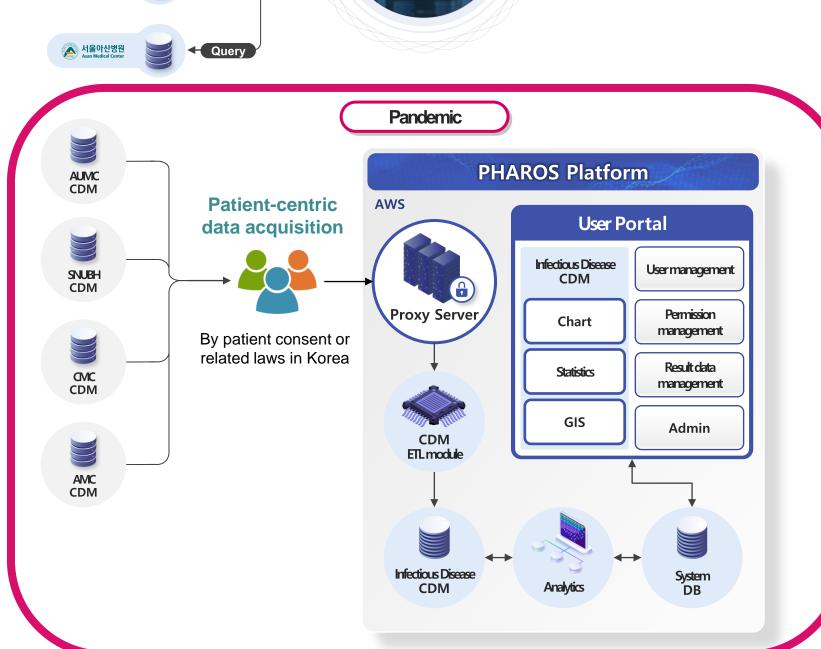
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system

2. Information Management System

The PHAROS system can access infectious disease patient data in two different ways in peacetime and pandemic.





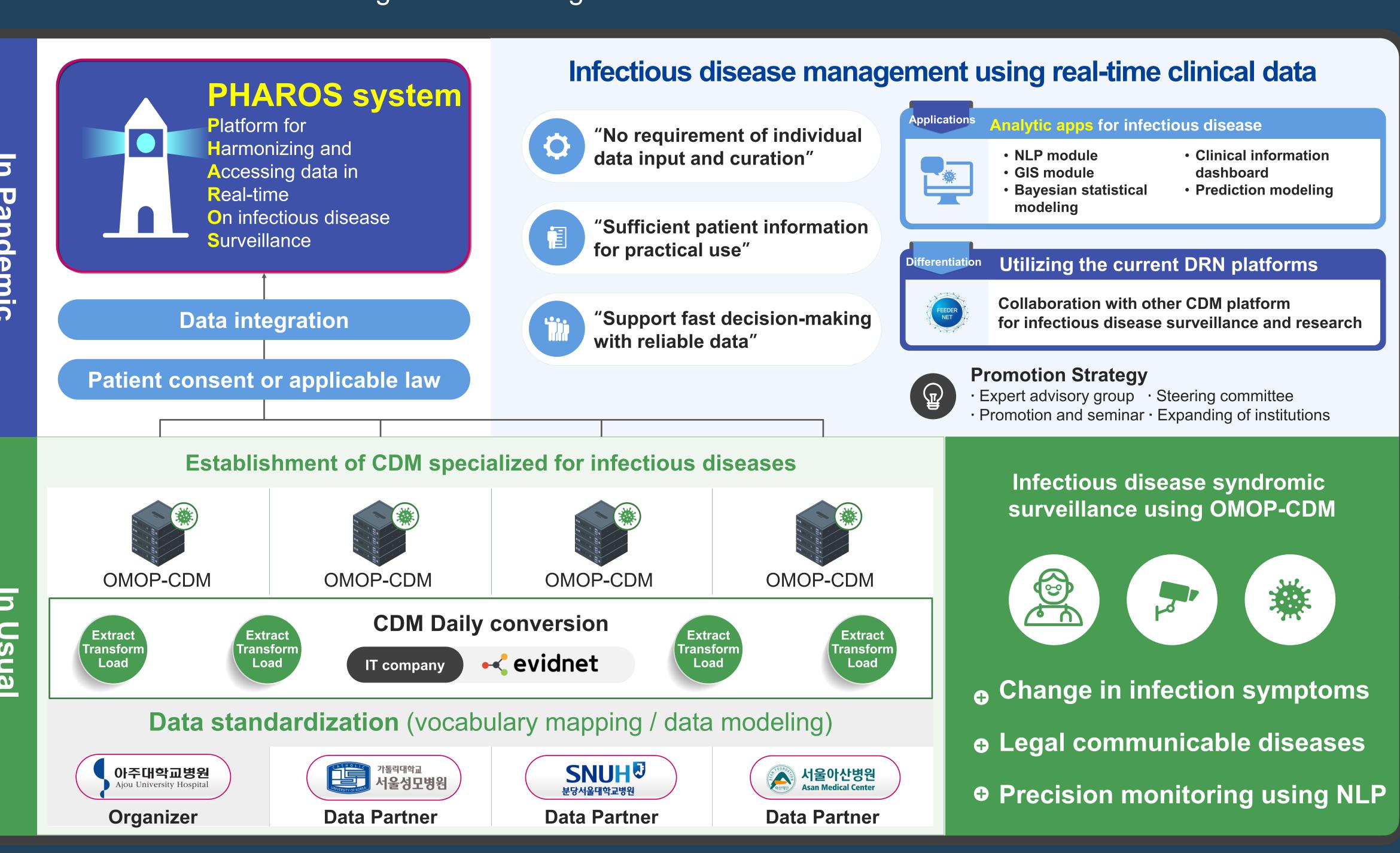
PHAROS platform will support

a prompt response during pandemics and

peacetime by integrating clinical

information to OMOP-CDM

PHAROS - Integrated infectious disease clinical information management system Platform for Harmonizing and Accessing data in Real-time On infectious disease Surveillance



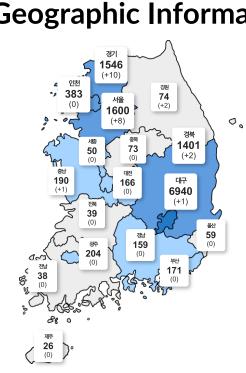


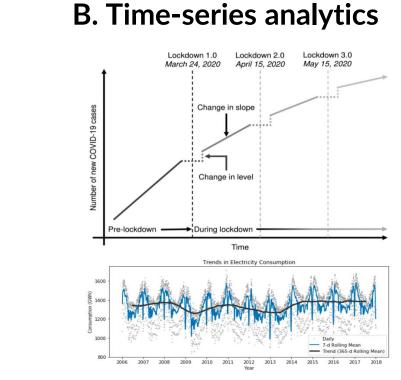


Scan QR to download the full paper or link to **github repository** etc.

3. Applications

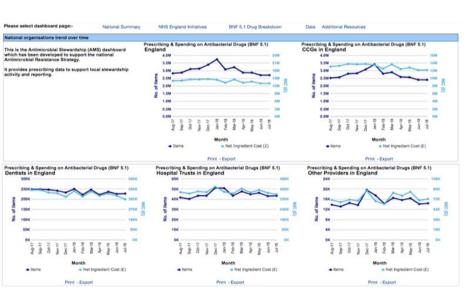


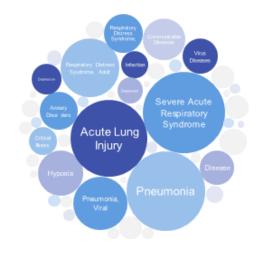




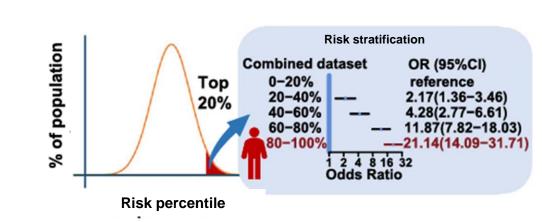
C. Data profliling

D. Named Entity Recognition





E. Predictive modeling



4. Collaborative oppoprtunities

- We are open to collaborating with anyone who is interested in the data standardization and utilization of infectious diseases
- Please contact us via rwpark99@gmail.com (Prof. Rae Woong Park)

RESULTS

- Awarded EUR €2.1 million contract for 3 years form the Ministry of Health & Welfare, Republic of Korea
- Fifty researchers are participating and developing our platform for this project

FUNDINGS

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