Health Center Real-time Information-sharing System on COVID-19 (HER-SYS*)

* **He**alth Center Real-time Information-sharing **Sys**tem on COVID-19

- O Information on COVID-19 infected patients (e.g., symptoms and travel history) can be input digitally, controlled centrally, and shared among the relevant personnel!
- **♦** Digitalize and realize the once-only principle for on-site work by local public health center personnel. (No need for multiple reports once the information has been input)
- ◆ Patients can input their healthcare information on their smartphones.
- **♦** Doctors can quickly detect and respond to changes in the condition of infected patients.

Provides comprehensive and satisfactory support to infected patients

Reduces the burden on local public health centers and medical institutions

Provides reliable support for the planning of countermeasures

Benefits of the New System

Infected patients and close contacts (Citizens)

Had to report health condition by phone every day. ⇒ Can easily submit reports Sudden changes in patient's health condition might not be noticed by medical team.

- by smartphone, etc.
- ⇒ Can receive detailed safety checks.



Doctors

Case report: Had to send handwritten reports by fax.

- ⇒ Can input and submit reports using a computer or tablet.
- * Reduces the burden for local public health centers of having to input fax details into a computer.

Local public health centers Prefectural governments National government (Administration)

Had to report and share information on infected patients by phone or email. Local public health centers, prefectural governments and the national government each

had to input and collate information. Information could not be shared widely enough.

- ⇒ Can promptly collate patient information input by individual patients, medical institutions, or local public health centers and share it with the relevant prefectural government and national government.
- ⇒ Can promptly coordinate hospitalizations and prioritize counter-cluster measures.

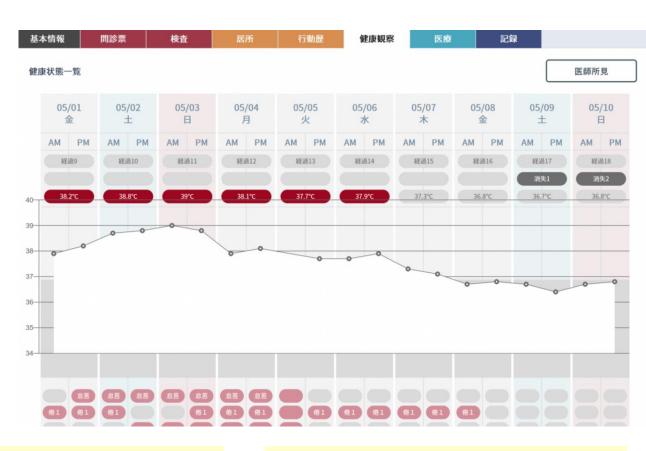
Schedule

- May 15: A trial of the new system will be started by some local governments.
- May 29: The prefectures, local public health centers, and medical institutions will start using the new system when the necessary preparations have been finished.

* **He**alth Center **R**eal-time Information-sharing **Sys**tem on COVID-19

Enables detailed safety checks





The patient inputs information on their smartphone

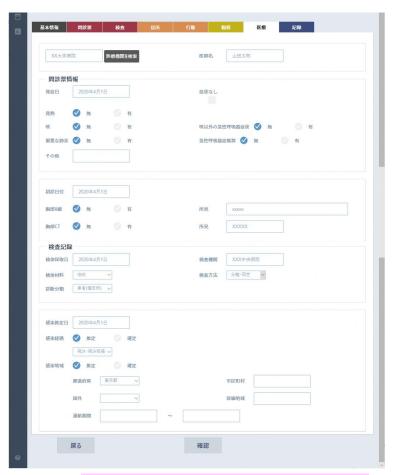


Health condition dashboard

* **He**alth Center **R**eal-time Information-sharing **Sys**tem on COVID-19

Digitalize the reporting of cases

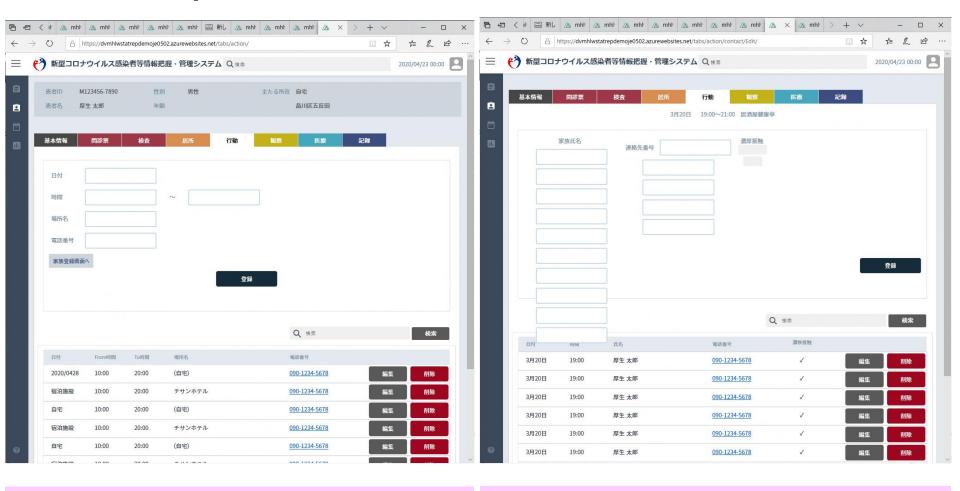
Eliminates the need for handwritten fax reports



Case report

* **He**alth Center **R**eal-time Information-sharing **Sys**tem on COVID-19

Enables productive counter-cluster measures



List of activity history

List of persons contacted

Illustration of the system for supporting the effective collection and management of information on COVID-19 patients Call Center for Japanese Returnees and Phone consultation **Health Center Real-time** Potential Contacts (local public health center) Individual * May be outsourced to the Medical Association **Information-sharing System on** (fever or other symptoms) Guidance COVID-19 (HER-SYS) Local public health center personnel (or staff commissioned by medical Visit Visit **Outpatient Services for** association) Returnees and Contact Persons Provide visitors with issued ID, MHLW password, and web browser address. Clinic/hospital (Regional Outpatient and (1) Input name, gender, address, email **Examination Center)** address, phone no., travel history, Conduct PCR test Referral and symptoms in system. Cloud Input PCR test results Return home Submit case report based on Patients with severe Infection Diseases Control Act symptoms are **ID** management immediately hospitalized Home before the test Hospital (local public health center Infected Wait for test results person ID personnel when necessary) Issue ID and password Hospital Input information (condition Negative **Positive** Hospitalization required Hospitalization changes, hospital discharge, etc.) (tested positive / waiting for test results) Database of infected patient information Patient (or their family) Basic information will Patient with minor Negative* be kept in the symptoms, etc. Access web browser and input database* (in case of home health condition every day. convalescence) Home Stay home (input on smartphones) Remind to input Online healthcare follow-up Prepare Input symptoms, etc. Medical necessary **Association** statistical data If service is outsourced Patient with minor symptoms, etc. Individuals or public health nurses Share necessary information (in case of hotel input health condition Hotel between relevant personnel convalescence) Public health / clinical nurses Stav indoors confirm situation Information can be viewed by: Remind to input MHLW personnel * Occasional outsourced to medical association Prefectural government Provide close contacts with the ID, personnel password, and web browser Check by phone Local public address issued to them. Local public health center Close contacts health center personnel Input name, symptoms, etc. Executives at business partners (e.g., Medical Association) Remind to input