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.**

**Benefits of the New System**

| Infected patients and close contacts (Citizens) | Had to report health condition by phone every day. ⇒ Can easily submit reports by smartphone, etc. ⇒ Can receive detailed safety checks. |
| Doctor | 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.
Enables detailed safety checks

The patient inputs information on their smartphone → Health condition dashboard
Digitalize the reporting of cases

Eliminates the need for handwritten fax reports
Enables productive counter-cluster measures

List of activity history

List of persons contacted
Basic information will be kept in the database.*

**Individual (fever or other symptoms)**
- Phone consultation → Guidance → Visit → Clinic/hospital

**Clinic/hospital**
- Visit → Referral → Outpatient Services for Returnees and Contact Persons (Regional Outpatient and Examination Center)
  - Conduct PCR test
  - Input name, gender, address, email address, phone no., travel history, and symptoms in system.
  - Input PCR test results
  - Submit case report based on Infection Diseases Control Act

**Outpatient Services for Returnees and Contact Persons (Regional Outpatient and Examination Center)**
- Call Center for Japanese Returnees and Potential Contacts (local public health center)
  - *May be outsourced to the Medical Association*

**Hospital (local public health center personnel when necessary)**
- Input information (condition changes, hospital discharge, etc.)

**Hospital**
- Hospitalization required → Hospital (tested positive / waiting for test results)
- Patients with severe symptoms are immediately hospitalized before the test
- Patient (or their family)
  - Access web browser and input health condition every day.
  - Negative*: Remind to input

**Home**
- Stay home (input on smartphones)

**Medical Association**
- *If service is outsourced*
  - Input symptoms, etc.

**Hotel**
- Stay indoors
  - Public health / clinical nurses confirm situation
  - *Occasional outsourced to medical association*
  - Individuals or public health nurses input health condition
  - Remind to input

**Close contacts**
- Check by phone

**Local public health center**
- Access web browser and input health condition every day.
  - Remind to input

**Cloud**
- Issue ID and password
- Prepare necessary statistical data
- Share necessary information between relevant personnel
- Infected person ID

**Database of infected patient information**

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

**Browser**
- Test ID and password

**Information can be viewed by:**
- MHLW personnel
- Prefectural government personnel
- Local public health center personnel
- Executives at business partners (e.g., Medical Association)