A revision of the 630 Survey linked to regional medical plan

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What is the 630 Survey?
- Conducted on 30 June, each year
- Survey of psychiatric inpatients
- Supported by Ministry of Health, Labor and Welfare (MHLW)
- Findings are published in "Mental Health Welfare Data" to formulate and improve medical plans.

Background
National Center of Neurology and Psychiatry (NCNP) started the survey in 1997 in support of Health by Health Labor Sciences Research Grant. A major revision was 2017 made in to obtain data that would contribute to the formulation of the medical plan more quickly and efficiently.

The issues of old 630 Survey

- Publication of results was delayed for several years
  - Complicated survey data flow
  - Unclear deadline and responsibility of the survey
- Data cleaning was cumbersome and inconvenient
  - Manual entry of patient information in a fixed survey form with a combination of age, gender, etc.
  - Crosstabs other than the survey table are impossible
- Under-utilized public database
  - Public databases such as national database (NDB) and survey results are under-utilized
  - Difficult to use them for formulation of regional medical plan

The improvements of new 630 Survey

- Publication of results within the same fiscal year
  - Digitalized survey form and simplified investigation flow
  - Prefectures and survey administrative office have become able to exchange information directly without going through complicated flows
- Flexible and efficient data collection and cleaning
  - Data entry at individual patient level is available
  - Crosstabs are possible with various combinations
- Utilization of public data such as NDB
  - Using NDB, health insurance claims data is available
  - Easier to collect information for formulation of regional medical plan

Relationship between each survey and data source

National Database (NDB)*1
- Number of medical institutions and patients
- Current status of hospitalized patients in the previous year
- Current status of discharged patients in the previous year
- Discharged rate within 3 months
- Re-hospitalization rate within 3 months

*1 Health insurance claims data of all national medical institutions owned by MHLW. (However, at 2017, the data did not include information of public expenses such as public assistance)

Other Data source
- Health and Welfare Bureau for the Elderly:
  - Survey at dementia disease medical center, etc.
- Health Policy Bureau:
  - Ambulance transportation time of mental disorder patients
- National Rehabilitation Center for Persons with Disabilities:
  - Number of higher brain dysfunction centers
- Administrative office of Disaster Psychiatric Assistance Team (DPAT):
  - Number of advanced service units

Utilization of 630 survey for regional medical planning
- Each prefecture form regional medical plan based on mental health welfare data.

Example of Medical function list created by prefectures

<table>
<thead>
<tr>
<th>Mental Health welfare data</th>
<th>Medical institution</th>
<th>Mental Health 1</th>
<th>Mental Health 2</th>
<th>Mental Health 3</th>
<th>Mental Health 4</th>
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</tbody>
</table>

Ex1) Medical institution representing prefectures
- Medical institution representing regions
- Other medical institutions

- Publication method
  - Posted as a comprehensive "mental health welfare data" created together with NDB and other data sources on the web page of the NCNP
- Publication schedule
  - End of year annually
- Purpose of use
  - To contribute for formulation monitoring of medical plan, disability welfare plan, etc.