

Innovative Research Program on Suicide Countermeasures in FY2022: Report on Commissioned Research Results

Field 3: Suicide countermeasures using big data, AI, etc.

Topic number : R4-3-5

Research topic:

Investigation of Suicide Risk by Real World Data Using Cohort Database Combining National Database of Health Insurance Claims and Unnatural Death Database in Hyogo Prefecture.

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Summary:

We conducted basic data collection for hypothesis testing and extracted data on more than

10,000 unusual deaths over the past 20 years from the Hyogo Prefectural Medical Examiner's Office. These data are not collected in the usual databases, and there is no facility in Japan that is capable of extracting this much data. We plan to use this data to perform the planned analyses in the future. We also believe that integrating this data with medical and nursing care receipt data will facilitate a comprehensive understanding of suicide cases and lead to identification of suicide risk and exploratory studies of prevention and intervention methods.