

Survey-based databases available for pharmacoepidemiology researches in Japan (information obtained from survey answers as of August 2024)

	NCD	PatientsMap	NHWS	DeSC	JMDC	LunaLuna
Database organizer	National Clinical Database	social survey research information co., Ltd.	SSRI Oracle Life Sciences	DeSC Healthcare, Inc.	JMDC.Inc	MTI Ltd.
Database name	National Clinical Database	PatientsMap	National Health and Wellness Survey	DeSC database	Pep up	LunaLuna Link
Contact information	public@ncd-core.jp	patientsmap@ssri.com	nhws@ssri.com	rwe-psales@desc-hc.co.jp	mdhelp@jmdc.co.jp	medico@lnmedico.co.jp
Web site URL	https://www.ncd.or.jp/	https://www.ssri.com/service/omnibus/patientsmap/	https://www.ssri.com/service/omnibus/nhws/	https://desc-hc.co.jp/archives/publication	https://www.phm-jmdc.com/	https://sp.lnln.jp/brand/information/or_actions
DOI of articles about the database	10.1007/ s00595-013-0802-3 10.5090/ kjtcs.2014.47.5.437			10.31662/jmaj.2021-0189		10.1097/AOG.0000000000003910 10.1097/AOG.0000000000005476
Database Overview						
General description of the database	Multidisciplinary registry platform initially developed by surgery related professional societies in Japan. Currently managing nationwide registries for various surgeries, interventions, pathology, as well as cancer registries. Also collects hospital based DPC / claims data which can be used together with the registry data for research.	PatientsMap is a survey database of physicians in four major countries (Japan, the United States, China, and the United Kingdom). It is a tool that provides a comprehensive understanding of the market size, unmet needs, and promotional status of pharmaceutical manufacturers for a cumulative total of 1,000 diseases, including rare diseases.	NHWS collects data from patients in 12 countries. The data includes more than 165 disease areas and provides a variety of metrics, such as prevalence, diagnosis and treatment rates and more than 10,000 other variables not mentioned here.	PRO data and life log data obtained from enrollees of multiple Employee Health Insurance and National Health Insurance through the "kencom" health care application. These data were combined with the anonymously processed databases of insurance claims data, annual health checkup data, and enrollment information for each individuals.	PHR service covering over 200 insured individuals nationwide. A panel that can link receipts, health checkup results, and wearable device data, and conduct surveys.	LunaLuna is a women's health information service mainly for menstrual management in Japan, with more than 20 million downloads (as of October 2023). LunaLuna's strength lies in its questionnaire surveys that utilize a user base cultivated through more than 20 years of service provision, and in the physical condition data related to menstruation accumulated in its database.
Survey subjects	Patient	Physician	Respondents are 18 or older	Citizens who are enrolled in Employee Health Insurance or National Health Insurance, and registered to kencom.		People (patients) using Luna Luna services or healthcare workers using Luna Luna services for healthcare professionals
Survey respondents	Different from the subject	Same as subject	Same as subject	Both same and different from the subject	Same as subject	Same as subject
Note	Doctor, Medical clerk			For those registered with kencom, there are some optional questions about the insured's household which may be answered by survey respondents regarding family members in the same household.		
Primary survey items		Number of patients, number of patients prescribed drugs, percentage of patients who would consider administering new drugs, diseases for which new drugs are desired, reasons for desiring new drugs, promotional status of various drug manufacturers, respondent profile.	Patients' self reported information; prevalence, diagnosis, and treatment rates for more than 165 diseases and conditions, QOL and WPAI of the affected patients, severity and comorbidity, medications used, and characteristics attitude, behaviors (including adherence) toward healthcare.	Life-log of HL, QOL, WPAI, PSQI, number of steps, blood glucose level, blood pressure, and body weight data can be used in Employee Health Insurance and National Health Insurance.	Surveys	The following items entered by the user. Menstruation start date, menstruation end date, basal body temperature, weight, physical condition (headache, abdominal pain, menstrual pain, ovulation pain, etc.), low-dose pill medication record, infertility treatment record, birth date, etc.
Available healthcare-related data		Drugs, Diseases	Patients backgrounds, Vital signs	Drugs, Diseases, Procedures, Examinations, Hospitalization, Patient background, Vital signs	Drugs, Diseases, Procedures, Examinations, Hospitalization, Patient background, Vital signs	
Other linkable data	DPC			Insurance claims from insurers, health check up data, enrollement information.	Receipts, health checkup results, and Can be linked to wearable device data	
Follow-up	Yes	No	No	Yes	Yes	
Follow-up period/proportion/timing	Depending on the surgery and disease type, prognosis at discharge, 30 days, 1-15 year are being collected.			Survey is sent to kencom registered users once in every 6 months during the period of such insurance coverage.		
Data period						
Starting year	2011	2011	Before 2000	2019		

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Latest year	2023	2023	2023	2023		2024
Notes		Data periods vary by survey area.	Since 1998 (2008 for Japanese data). 2024 Data will be available in January, 2025.	The maximum data period is 4 years, and its minimum is 1 year.		Data up to the time of data extraction can be extracted
Size						
Number of unique identifiers [approx., 10K people]	2850	2	200	21	120	200
Notes		Cumulative number of physicians surveyed per product in each country.			Number of registrants to whom questionnaires can be sent from January 2023 to December 2023	This is the cumulative number of app downloads as of December 2023.
Annual number of unique identifiers (latest year) [approx., 10K people]	200	2	3		120	
The latest year	2023	2023	2023		2023	
Notes		Japan Data Figures.	Japan Data : 30,000 (The data are processed by magnification factor in accordance with the census data to make the data nationally representative.)		January 2023 - December 2023	It is not made public. Also, as the numbers vary greatly depending on the data item, we will check the data each time as necessary.
% coverage of population		Approximately 5.9% of the total number of doctors in Japan.	0.03% of the adult population			63.2% (women aged 20-39) Number of accounts whose age is 20-39 out of the number of accounts whose age is registered in the app. Denominator: Number of women aged 20-39 in the population estimate (as of October 1, 2022) by the Statistics Bureau of the Ministry of Internal Affairs and Communications
Age Distribution						
Age Distribution: Notes	Depends on the registry		Approximately 67% are between 18 and 64 years old and 33% are 65 years old or older	High survey response rate in the 40s and 50s than other, and also high registration rates.		Most of the users are between 10 and 49 years old, as most of them use the application for menstrual management purposes. In addition, a comparison of the distribution of the prefectures of residence of registered users with the distribution of prefectures in Japan shows a very similar trend.
Data Access, Others						
Access to raw data via web	No	Yes	Limited	No	No	No
Timing of data update	Annually	Annually	Annually	As needed	As needed	
Others, notes		Frequency of updating Japan data.				
Latest data	Data up to December of last year	11 months ago (Japan data is updated every September)	12 months ago	December, 2023	2 months ago	
Publication						
Presentation	Many		The total of posters and manuscripts is more than 1,600	11	There's more than one.	4
Publication to peer review journal	Many		The total of posters and manuscripts is more than 1,600	12	There's more than one.	10