

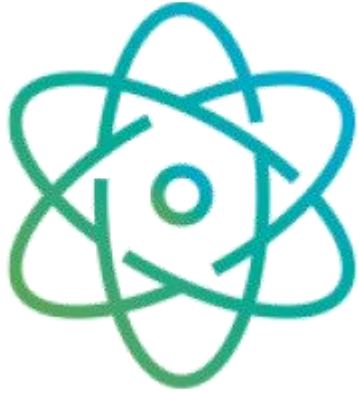
LEUMIT START

Innovating Health, Together

Leumit's Basic Data Catalog

● May | 2023

What Do We Offer?



Rich and well-organized
medical data set



Fast response time and high
availability

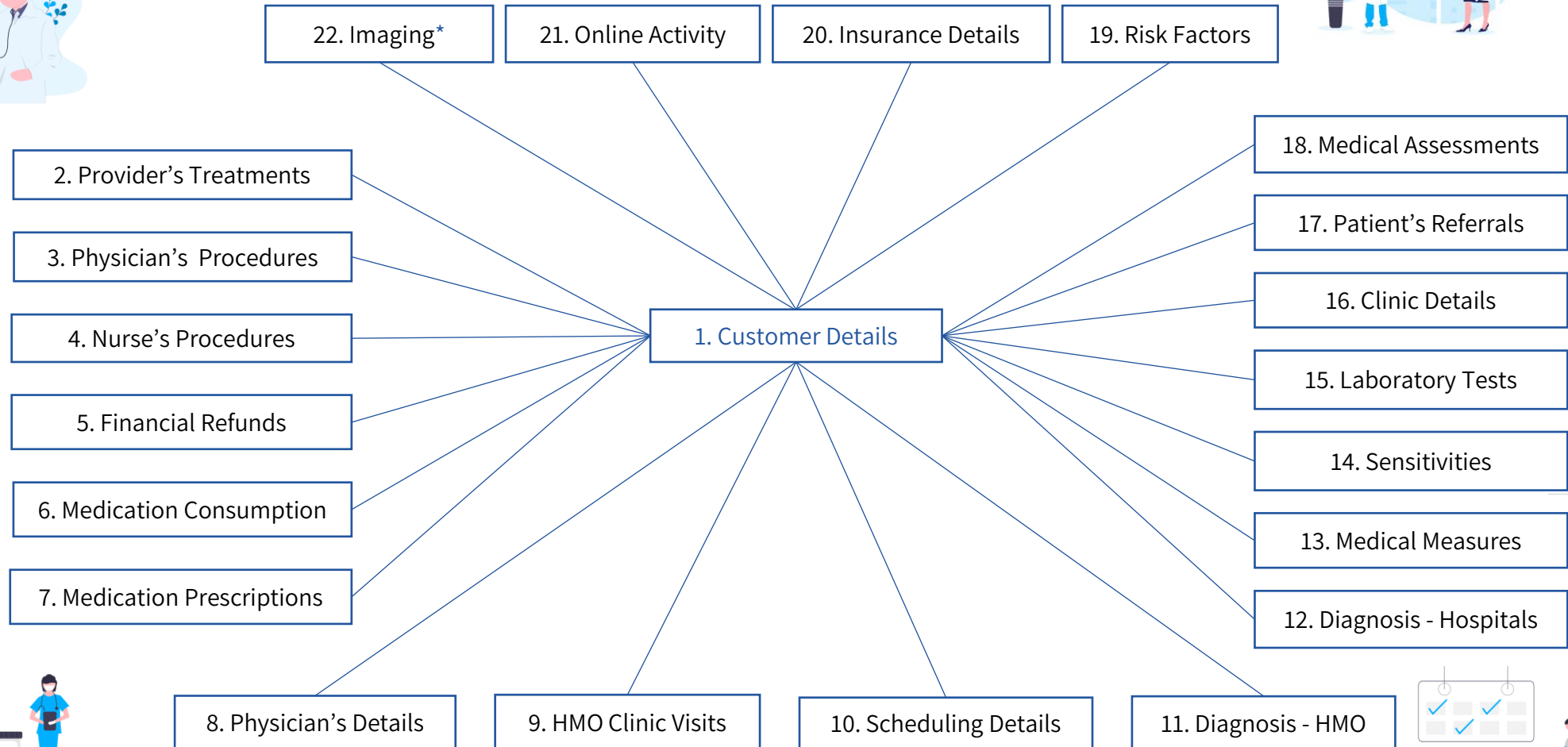


Quick and accurate access to
relevant content

About Leumit Health Services Data

- Leumit Health Services is one of four national health funds in Israel and provides medical coverage to **720,000** customers country wide
- Leumit employs over **2,000** physicians and over **3,000** medical & administrative staff members, across **250** clinics and **140** pharmacies nationwide
- Our Data assets consist of **20** years of electronically documented medical records **9.1 million** visits per year, in a central EMR from day one
- We use Mclone for ultra-fast queries and for generating synthetic data where possible, to accelerate research while maintaining patient privacy
- Leumit established a unique data merge cooperation with Sheba hospital (one of the leading hospitals in the world), enables to explore a whole therapeutic sequence between community and hospital
- The basic data catalog below includes the majority but not all of Leumit's data assets

Basic Data Catalog for Research



* "Imaging" includes: X-Ray, US, Fetal Ultrasound, ECG and more

Data explanation *

1. **Customer Details:** Gender, demographics, customer status, etc.
2. **Provider's Treatments:** Data regarding Hospitalizations, ERs, other treatments (Treatment code, date, etc.) as reported by external providers
3. **Physician's Procedures:** Procedures performed by the Physicians in the HMO clinics (Procedure code, date, etc.)
4. **Nurse's Procedures:** Procedures performed by the Nurses in the HMO clinics (Procedure code, date, etc.)
5. **Financial Refunds:** Refunds for treatments / procedures done privately by the Customers (Procedure code, date, etc.)
6. **Medication Consumption:** Data regarding medication consumption (Date, Drug ATC code, Quantity, etc.)
7. **Medication Prescriptions:** Data regarding prescriptions for medications given by the Physician (Date, Drug ATC code, Dose, etc.)
8. **Physicians Details:** License number (tokened), age, gender, expertise, etc.
9. **HMO Clinic Visits:** Physician license (tokened), Customer token, date & time, free text (Customer complaints, Notes about the diagnosis, physical Exam remark, etc.)
10. **Scheduling Details:** Data regarding the scheduling process (in the HMO. date scheduled, appointment date, source, type, etc.)
11. **Diagnosis - HMO:** Diagnosis given by the HMO's physicians encoded by ICD9 code (Physician license (tokened), Customer token, date & time, ICD9, status, etc.)

12. **Diagnosis – Hospitals:** Diagnosis given by the hospital's physicians encoded by ICD9 code (Hospital, Date, ICD9)(data from 2007, gradually added)
13. **Medical Measures:** Height, weight, heart pulse, blood pressure, etc.
14. **Sensitivities:** Medications, allergies, food, etc. (Date, type, description, status, etc.)
15. **Laboratory Tests:** Demands, Orders, Results (Date, type, name, Physician license (tokened), result, etc.)
16. **Clinic Details:** Address and location (x,y), sector, etc.
17. **Patient's Referrals:** Date, Physician license (tokened), treatment code, status, etc.
18. **Medical Assessments:** Data regarding estimations/ Assessments performed mainly by nurses (Date, assessment code, Nurse details, result, question & answer code, etc.
19. **Risk Factors:** Such as smoking, drinking, drugs, etc. (risk code, date, value, etc.)
20. **Insurance Details:** Insurance type, date start/end
21. **Online Activity:** Information regarding the customer's online activity (First/ last entry, Entry counter)
22. **Imaging:** Text, Dicom Images for X-ray, US, Fetal Ultrasound, ECG (also as raw data)



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Feel free to contact us
at any time

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