



Innovating Health, Together

# Leumit's Basic Data Catalog

● July | 2025

# What Do We Offer?



Rich and well-organized  
medical data set



Fast response time and high  
availability

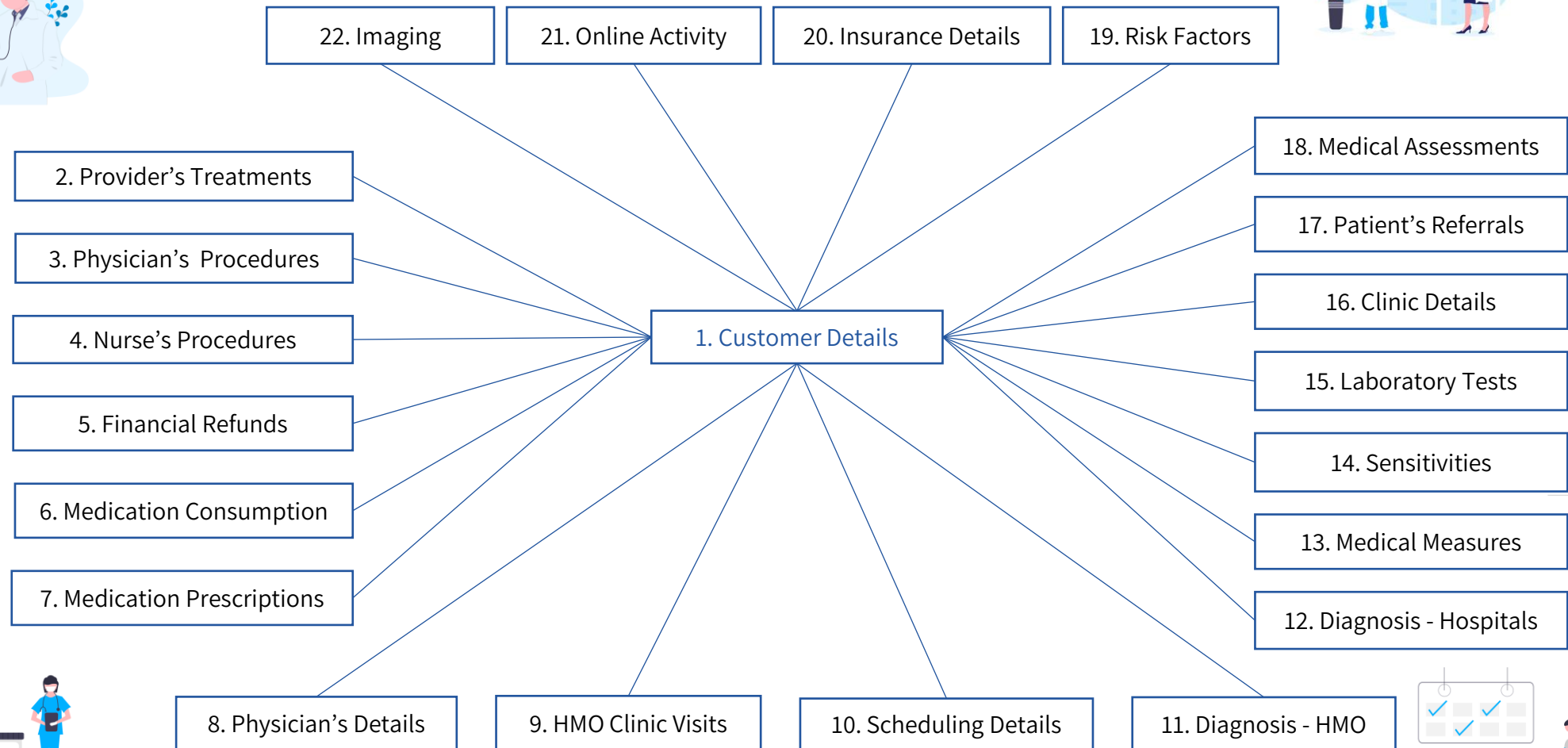


Quick and accurate access to  
relevant content

# About Leumit Health Services Data

- Leumit Health Services is one of four national health funds in Israel and provides medical coverage to **800,000** customers country wide
- Leumit employs over **2,200** physicians and over **3,500** medical & administrative staff members, across **350** clinics and **140** pharmacies nationwide
- Our Data assets consist of more than **22** years of electronically documented medical records, around **9 million** visits per year, in a central EMR from day one
- We use Mdclone 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), which 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



# 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)



# CardioMetriX

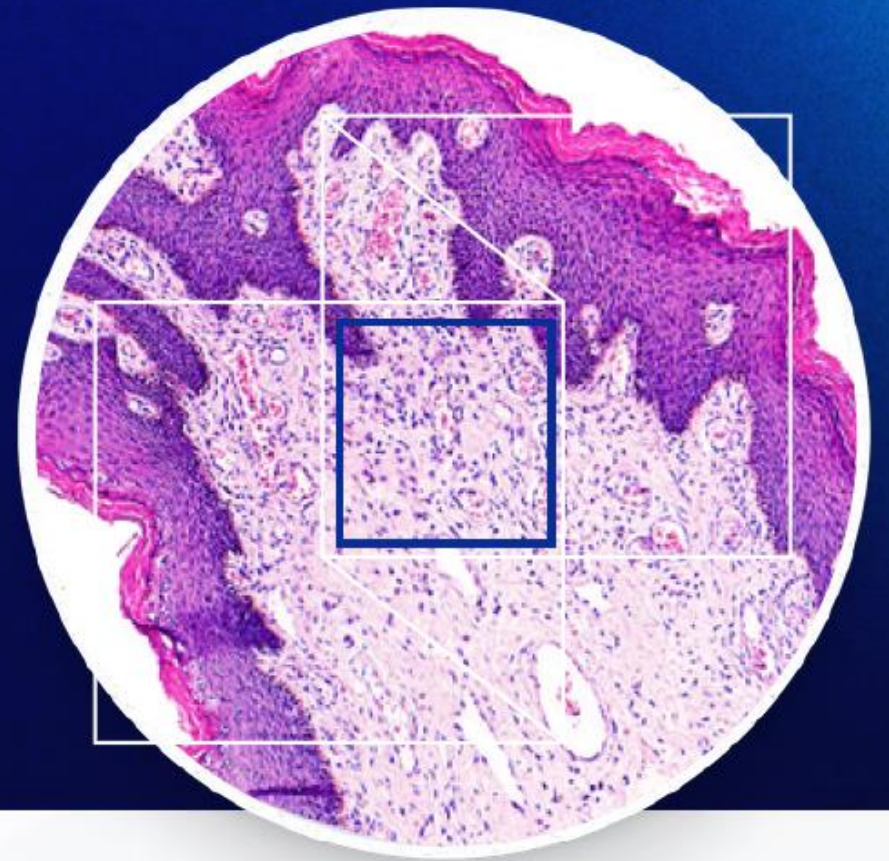
Longitudinal cardiology dataset featuring Echo reports, ECG and Holter raw data, and linked EMR records over time:

- ~**200,000 ECGs** raw data
- ~**80,000 Holter monitors** raw data
- ~**160,000 Echocardiography** reports
- ~**23,000** patients with all **combined** data + EMR



# PATHOMICS

THE COMPREHENSIVE  
PLATFORM FOR  
**PATHOLOGY INNOVATION**



## **POWERING** BREAKTHROUGH RESEARCH

Pathomics combines clinically diagnosed bio-samples, high-definition scanned slides, and extensive patient journey data into a single, powerful platform. By integrating resources from three leading healthcare providers, we enable accelerated research and development in personalized medicine.



# UNPARALLELED RESOURCES

OVER  
**20 MILLION**  
**Slides** with dual  
pathologist validation

OVER  
**1 MILLION**  
**HD Scanned Cases** with  
detailed documentation

**5 MILLION**  
**Paraffin Blocks** for  
comprehensive research

**2.2 MILLION**  
**Annual Patient Records**  
from Assuta Medical Center

**9 MILLION**  
**Annual Medical Visits** data  
from Leumit Health Services

**22+**  
**Years** of centralized  
digital medical records

## PLATFORM CAPABILITIES

- Bio-Sample Integration
- Comprehensive Data Access
- Research Acceleration





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Feel free to contact us  
at any time

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