



Basic Data Catalog

July 2026

ABOUT LEUMIT HEALTH SERVICES



830,000

Customers



2,200

Physicians



300

Clinics



4

Regions



3,500

Staff Members



140

Pharmacies

Leumit is co-owner of Medica hospital network
and the future Peres Hospital in the Negev

OUR DATA INFRASTRUCTURES



23+ years of electronically documented medical records, in “Tamar” EMR. More than **9 million** visits per year



“Tamar” is a **central EMR** from day one



A well-organized clinical **Data Warehouse**



De-identification mechanism



Leumit’s **Helsinki committee** (IRB)



Leumit’s laboratory stands out for its **high standards**



Leumit’s **Virtual Lab Rooms Infrastructure** (BYOT)

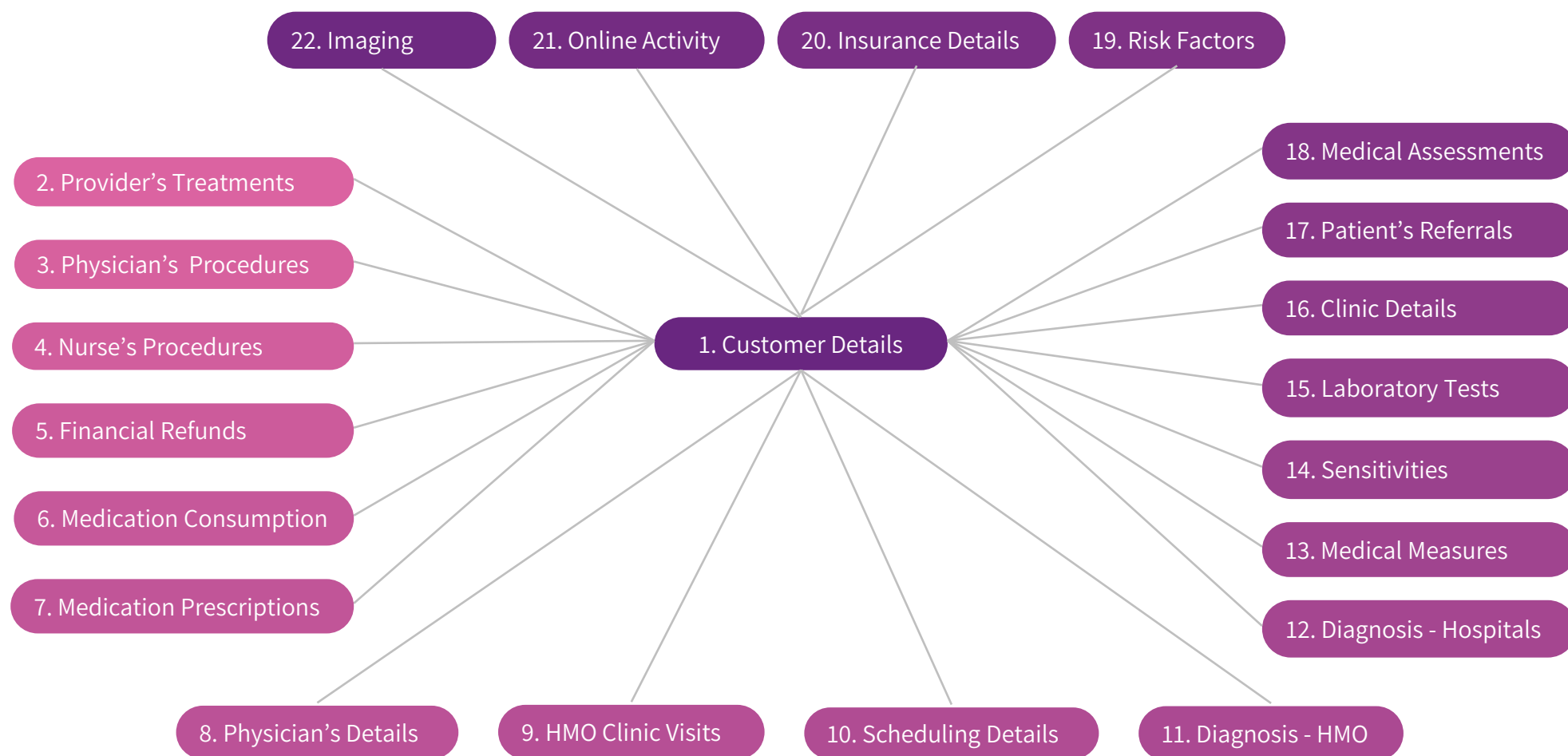


Free text from EMR visits and external sources



Various raw **unstructured datasets**

CLINICAL DATA CATALOG



Unstructured data: Clinical Notes & Hospitalizations free text, X-Ray, US, Fetal US, ECG, Holters and more

DATA CATALOG - DICTIONARY *

1. **Customer Details:** Basic demographic and status info for each customer (ID, Gender, customer status, Age).
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.)

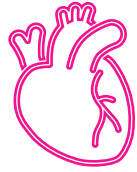
* ALL DATA IS DE-IDENTIFIED

DATA CATALOG - DICTIONARY *

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)

* ALL DATA IS DE-IDENTIFIED

CARDIOMETRIX

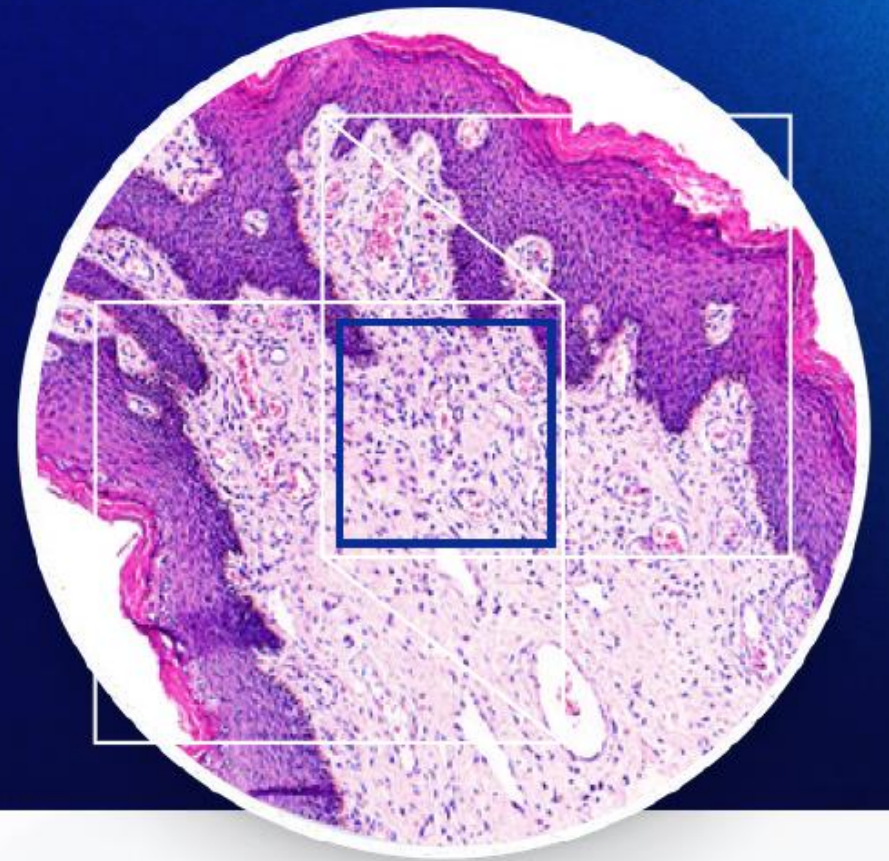


Longitudinal cardiology dataset featuring Echo reports, ECG and Holter raw data, and linked EMR records over time:

- ~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





THANK YOU.

Leumit
Start

Innovating Health, Together

QUESTIONS?
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