



21 y 22 de abril

II Cumbre

de la Economía del Dato Gaia-X España

El momento de los espacios de datos:
impulso a la economía y la soberanía del dato

Palacio de Congresos de Toledo



MYSPHERA

Un sistema sanitario basado en datos





MYSOPHERA



+50 hospitals
across Europe



**East Kent
Hospitals University**
NHS Foundation Trust



Groupe hospitalier
Paris Saint-Joseph




SERVICIO ANDALUZ DE SALUD
Consejería de Salud y Familias



10 years developing real time location solutions to improve hospital processes



MYSPHERA

A patient lying in a hospital bed, wearing a purple wristband with a white sensor and a purple ID band. A medical device with a red cross is attached to their hand. The background shows a hospital room with a ceiling light fixture.

The underpinning tool: Real Time Location

Solution overview

PATIENT TAG

GATEWAY



Bluetooth Patient Bracelet



family app



OR Manager

End-to-end surgical process orchestration software

IN PATIENT HOSPITAL WARDS

PATIENT TRANSFER

PRESURGICAL

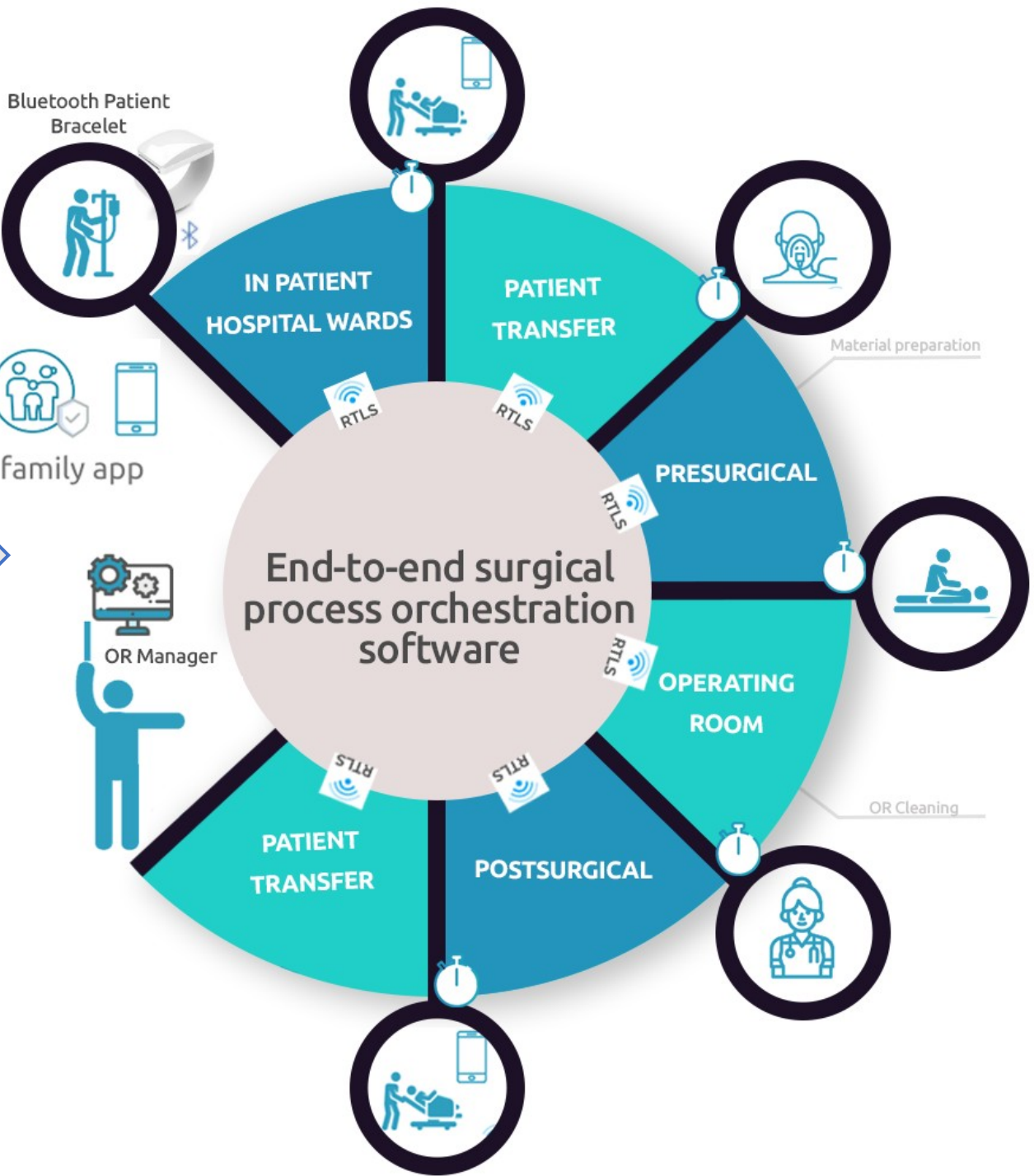
OPERATING ROOM

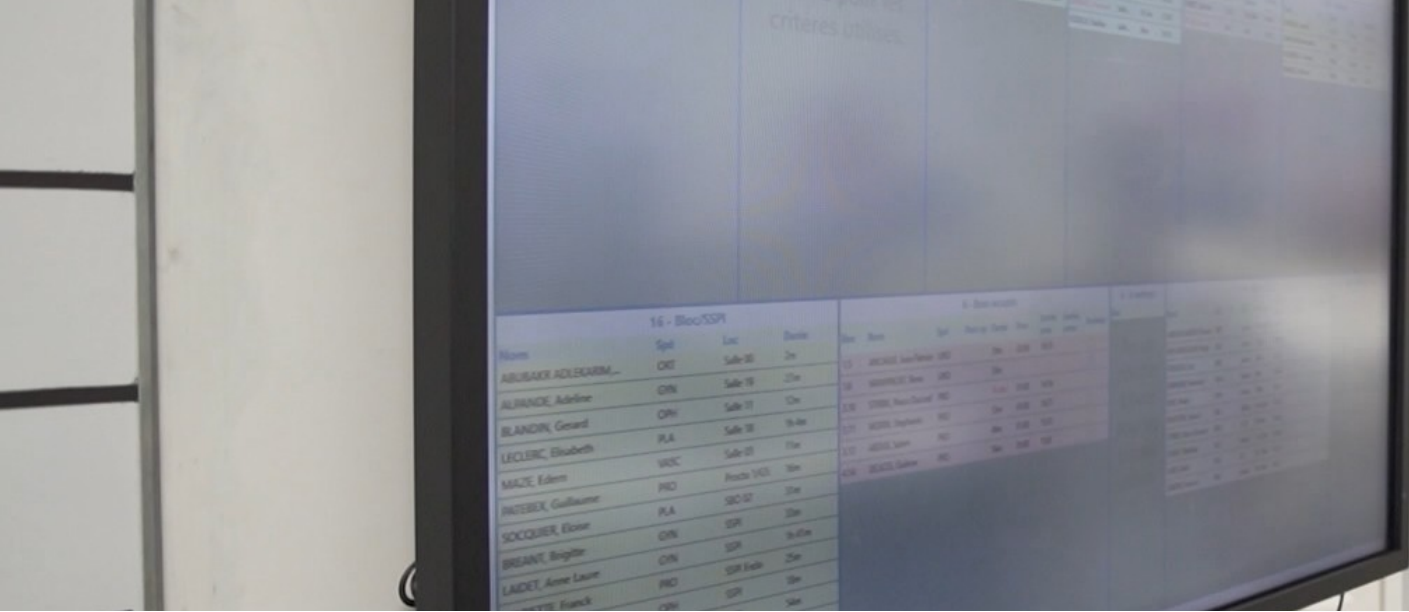
POSTSURGICAL

PATIENT TRANSFER

Material preparation

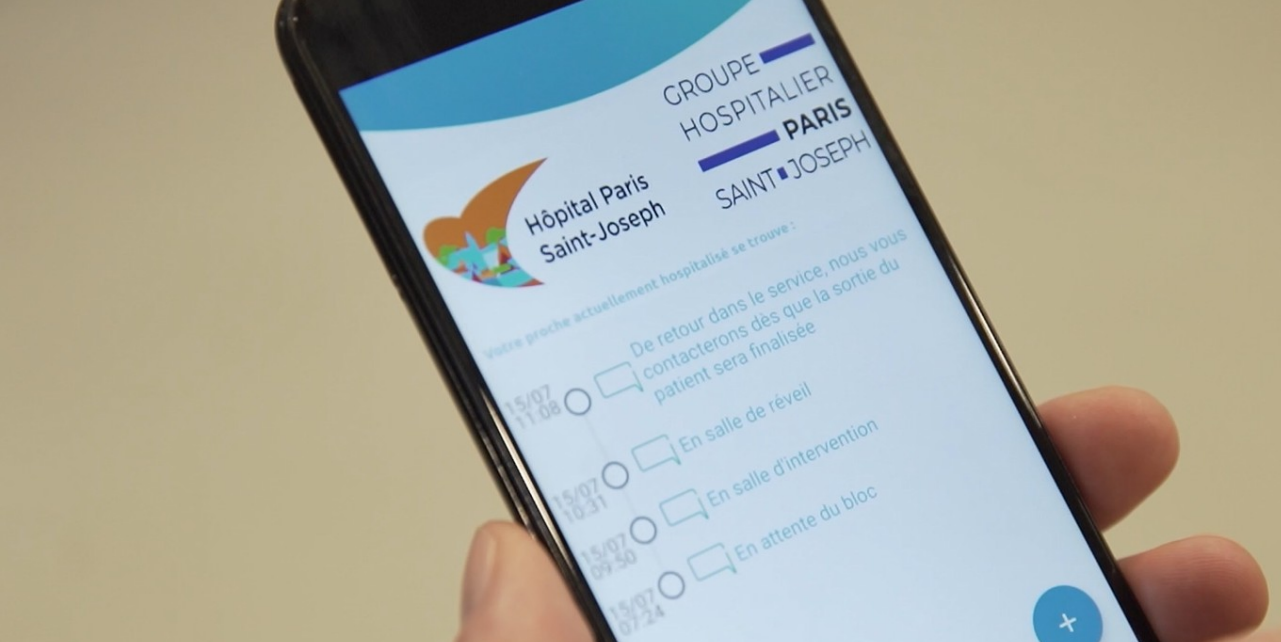
OR Cleaning





ORvital:

Real time apps

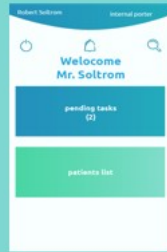


Software: Real time tailored apps to boost team coordination

Admission



Porters/Cleaners



PACU



Theatres



Coordination



Boost team coordination



Process Starts with Tag Assignment

Staff is supported by real time updated panels



Empowerment of Theatre Staff



Porters and Cleaning Team Empowerment



REASSURED FAMILY

MY SPHERA

ALARMAS SALIR

apellidos _____
nombre _____
[Sign up button]

datos personales

fecha de nacimiento dd mm aaaa sexo v m
nacionalidad española estado civil soltero/a
contacto teléfono móvil
población Valencia código postal 46001

información sanitaria

nhc nss n° poliza serv. médico unidad de enfermería cardiología
cipa cama aseguradora cirujano código

categoría

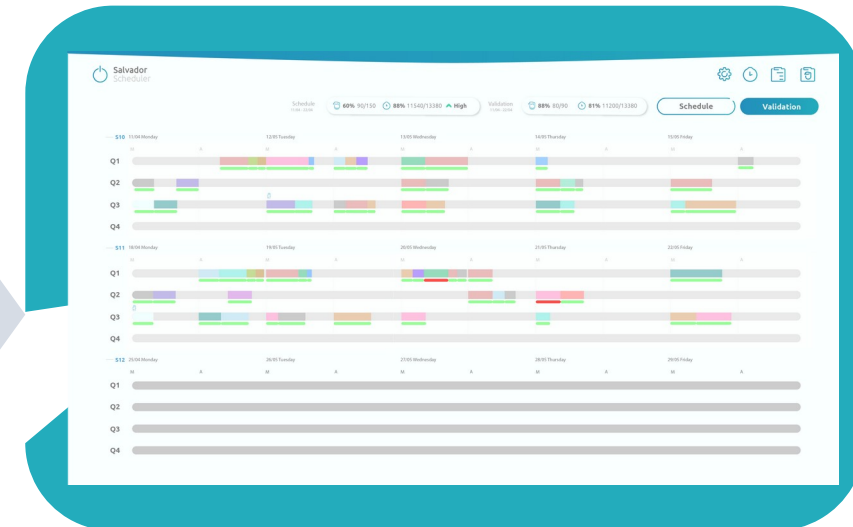
Currently, very much appreciated as helps to implement COVID-19 control measures to avoid congregation at waiting rooms.

Empowering managers with undisputable times

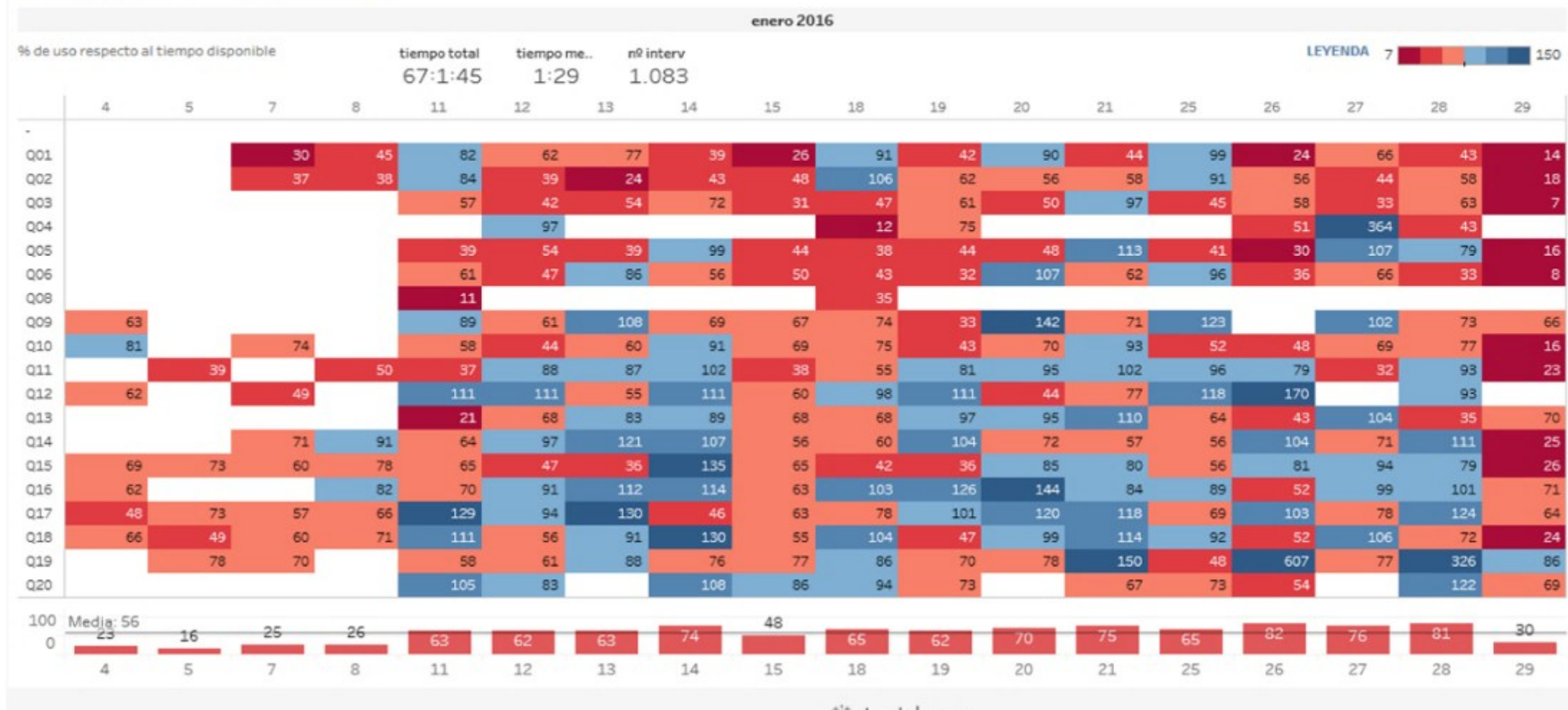
Accurate and automatic timestamping of the whole surgical process



Boosting scheduling



Power KPI Dashboard based on real data

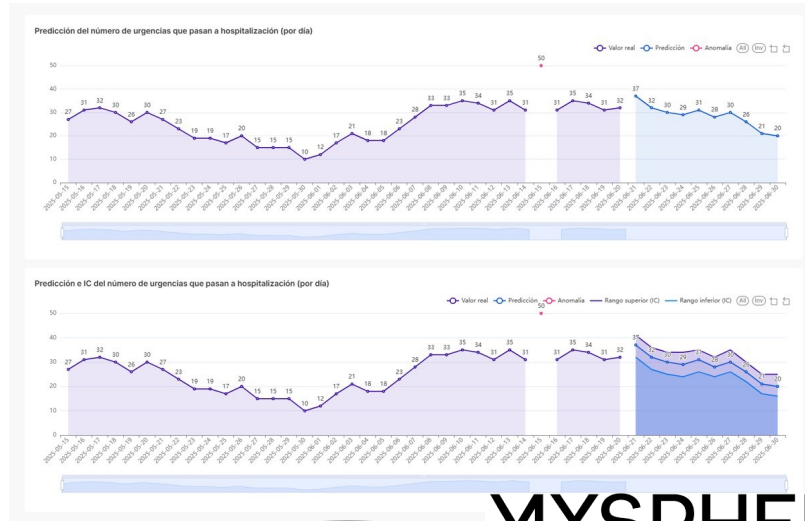


Espacios de datos

Espacio de datos zona sanitaria Clínica – Malvarrosa

INCLIVA | VLC
 Instituto de Investigación Sanitaria

II Integra Cloud



MYSPHERA



4 casos de uso

1. Mejora gestión corporativa
2. Mejora de urgencias
3. Mejora eficiencia en primaria
4. Salud Pública

Espacio de datos multimorbilidad



REVALUE LVC Digital Suite: A Modular, Four-Layer Conceptual Architecture

LAYER 4: Health System Performance Assessment (HSPA) Layer [MACRO LEVEL]

4.1 Population Health Monitoring Portal

- monitor LVC rates at regional/national level
- Atlas of Variation
- set system wide priorities for action

Users: healthcare managers, policy makers

LAYER 3: Health Professional & Patient Intervention Layer [MICRO LEVEL]

3.1 Professional Change Tool

- monitor local indicators
- updated practice recommendations
- affected patient pathways
- performance benchmarking

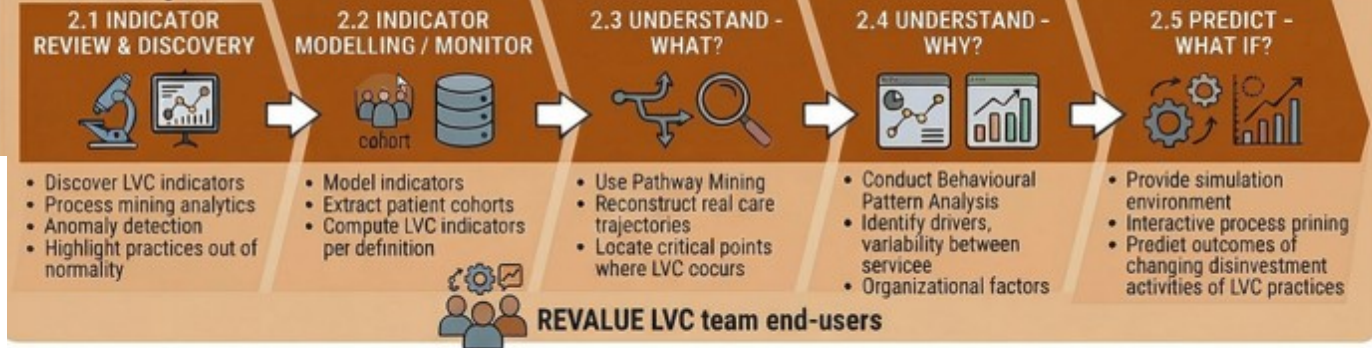
Osakidetza

Vall d'Hebron
Barcelona Campus Hospitalari

LAYER 2: Analytical Layer [MICRO LEVEL]

Analytical Flow (dark orange) acts as a specialized technological workflow with specific User Interfaces per Component

- Review existing indicators



input change implementation strategies for health to facilitate change implementation

LAYER 1: Data Layer (secure, standardized, and interoperable data ingestion)

1.1 & 1.2 Data Connectors

EHR prescriptions hospital operational data claims population records cost data

Captures granular data from local hospitals

Captures macro data from regional/national levels to enable benchmarking

1.3 Data Harmonization & Interoperability

FHIR OMOP

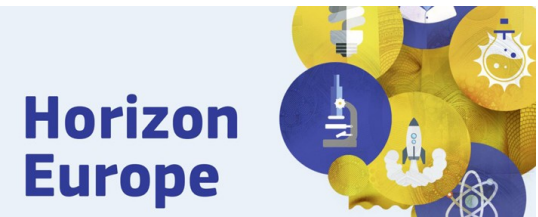
- Normalizee data into common models (e.g. FHIR, OMOP) and standard terminologies
- Transformation of indicators into comparable formats

1.4 EHDS Gateway

- Facilitates federated access and multi-centric analysis via the European Health Data Space

1.5 Privacy & Governance

- cross-cutting module managing access control
- pseudonymization, GDPR compliance
- alignment with the AI Act



Y muchos más...

Muchas gracias

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MYSPHERA

European
Innovation
Council

