

EMS Technologies.

AI-Driven. Clinically Validated. Quality Assured.

AI-Driven. Clinically Validated. Quality Assured.

Our product suite combines accountable AI with deep clinical knowledge to support documentation, data transformation, and decision-making at scale. Whether it's capturing structured data during care, consolidating fragmented records, or managing complex terminologies, each product is built to improve quality without adding burden.

Health Data Transformation

Make your health data reliable, structured, and interoperable — ready for reuse, exchange, and decision support.

Smart Capture

Smart tools to capture high-quality, structured data at the point of care — voice, text, or structured input.

Clinical Knowledge Management

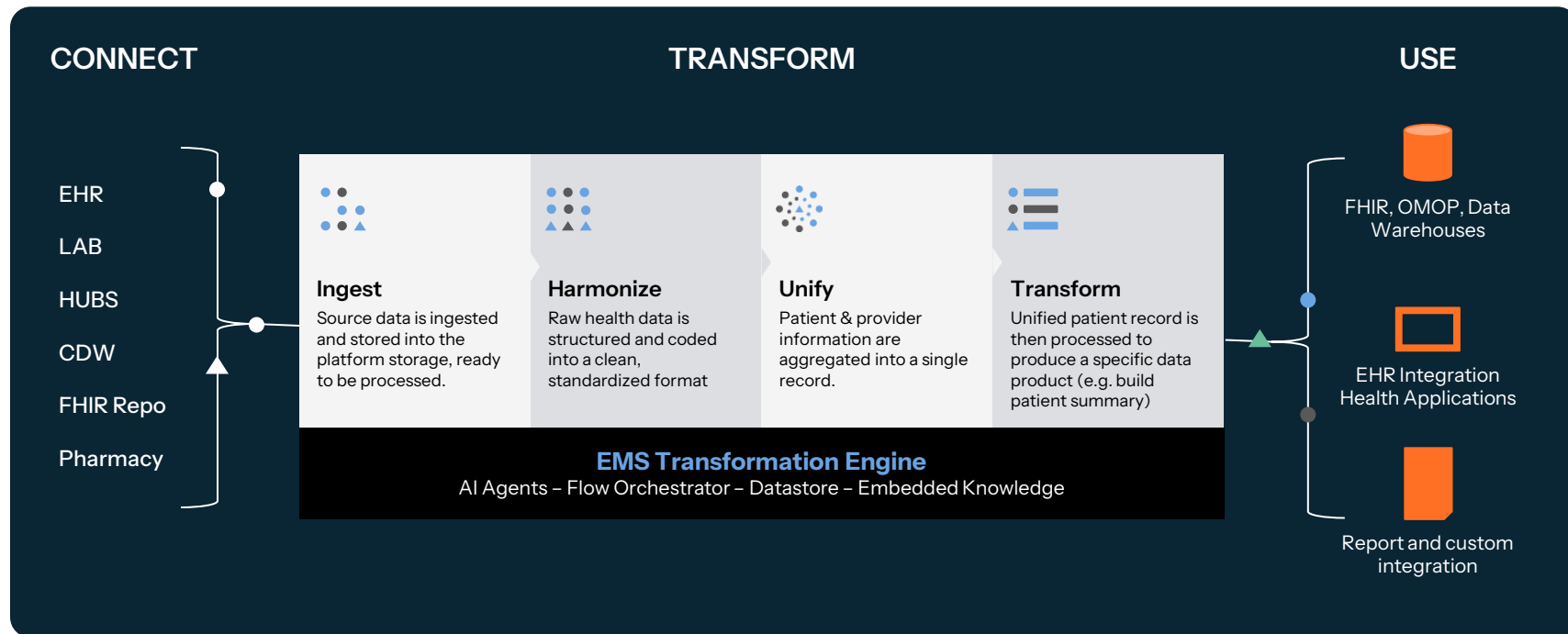
High-quality terminology resources and expert services to power interoperability and shared understanding across care systems.

Patient Explorer

Get a 360°, consolidated Patient Record vision, connected to all data sources.

EMS Transformation Engine.

Transforming Scattered Clinical Documentation into Interoperable Patient Records



EMS Transformation Engine offers end-to-end clinical data transformation — from ingestion to structured output — with full support for major standards (FHIR, OMOP, SNOMED CT...) and flexible deployment across cloud, on-premise, or hybrid environments.

Powered by a Trustable AI Agents Suite.

A Clinically Trusted Suite of Intelligent Agents for Data Transformation.

EMS AI: A Comprehensive Agent Suite for Healthcare.

The EMS AI Suite includes task-specific agents that:

- **Extract** clinical information from text documents
- **Code** clinical information into standard terminologies
- **Link** related clinical records to build context metadata
- **Enrich** data with inferred content such as risk factors or relevant history
- **Consolidate** scattered data into longitudinal, patient-centric views
- **Assess quality** dimensions including accuracy, completeness, and consistency

Quality by Design and in Operation

By training and maintaining our own models, we ensure predictable, high-quality performance. Our internal quality control pipelines are paired with regular audits at customer sites to verify outcomes and continuously improve the models in real-life deployment.

Transparent and Accountable

Every transformation step remains traceable to its original source and follows a transparent, agent-based logic. This avoids the “black box” problem of traditional macro-tasking. Our Clinical Documentation Improvement (CDI) agents also provide guided updates to help clinicians confidently refine their records.

Flexible, Sovereign Deployment

EMS AI Suite is designed to run in your environment—on-premise, in sovereign clouds, or hybrid configurations—preserving control, privacy, and compliance while scaling to your data needs.

HealthVoice.

Clinical-grade speech recognition and summarisation.

HealthVoice turns dictations and conversations into structured, high-quality summaries that fit your EHR and reporting needs.

Voice-to-Text for clinicians

Understands medical terminology, abbreviations, and regional nuances.

Conversation-aware transcripts

Distinguishes speakers, roles, and intents across consultations or team discussions.

Configurable output

Tailor summaries to your templates and compliance requirements for seamless integration.

Easy integration

Integrate HealthVoice using our well **documented API** and **cloud hosted models**.



HealthScribe.

Live concept extraction and coding—while you type.

Medische voorgeschiedenis:

- FINDING Atriumfibrillatie
- FINDING Stadium 1 arteriële hypertensie
- PROCEDURE Totale thyroidectomie

Cardiovasculaire risicofactoren:

- Geschiedenis van AF en hypertensie
- MEASUREMENT BMI = 33 (zwaartijvigheid)
- Dyslipidemie

Gebruikelijke behandeling :

- Atorvastatine 40 mg
- L-thyroxine 125µg
- Xarelto 20 mg
- Amiodaron 200 mg 's morgens en 's avonds
- Amlodipine 5 mg

HealthScribe is a real-time clinical NLP engine that identifies and structures concepts as the user types. Clinicians can see and validate terms instantly, enriched with metadata and mapped to standards like SNOMED CT, ICD, and LOINC.

Live concept extraction

Structured concepts from typed text—instantly.

Interactive validation

Display recognized terms for easy confirmation or adjustment.

Problem List Consolidation

Automatically suggest consolidation with the patient records

Terminology mapping

Auto-link concepts to SNOMED CT / ICD / LOINC for interoperability and downstream use.

Easy integration

integrate HealthVoice using our well **documented API** and **cloud hosted models**.

HealthCode.

AI-powered autocomplete for fast, accurate clinical coding.

HealthCode is an AI-driven autocomplete API that helps clinicians capture structured data effortlessly by suggesting the right SNOMED CT concepts in real time—without disrupting their natural workflow.

Context-aware suggestions

Tailored to role, specialty, and task.

Deep terminology coverage and clinician friendly

100,000+ synonyms and abbreviations for effortless retrieval.

Real-time coding

SNOMED CT suggestions surfaced instantly as users type.

Learns from use

Improves precision and personalisation with every interaction.

Synced with Terminology Server

The API is synced with the terminology server to align content with your organisation ecosystem.

Hypertension artérielle

hypertension artérielle systémique

hypertropie

température corporelle supérieure aux valeurs de référence

hypertrichose

hyperthyroïdie

An Integrated Terminology Ecosystem.

A complete and integrated ecosystem for seamless terminology management

■ Up-to-date Official Terminology Releases

Terminology releases are updated regularly upon publication

■ Use of Shared Resources

Official releases are extended with EMS Health's shared resources.

■ Management of Local Resources

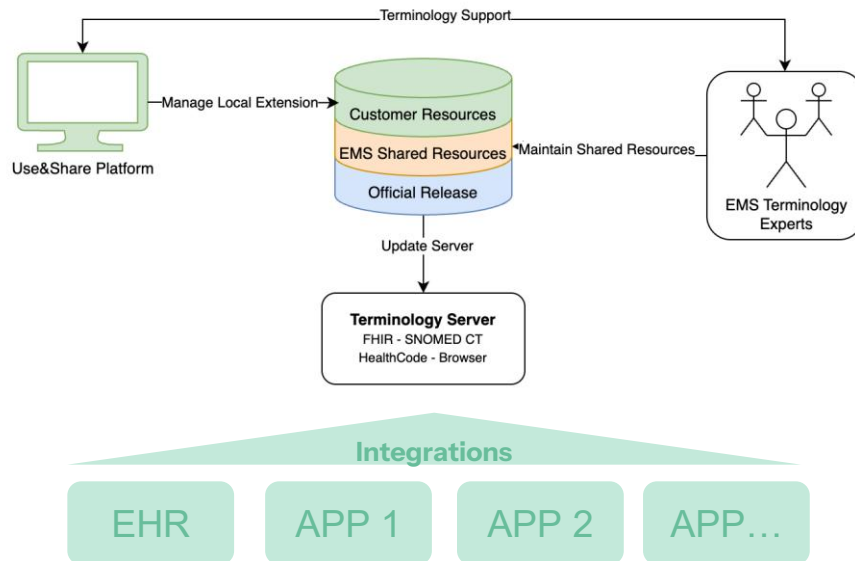
Institution-specific resources are created and maintained on the Use&Share platform, then added to the local terminology set.

■ Publishing to a Terminology Server

Resources are published to the terminology server, which synchronizes with the latest terminology assets.

■ Consultation and Integration into Care Applications

Applications, such as the EHR, integrate with the terminology server and therefore share the same terminology base. A SNOMED CT browser is available for consultation, and FHIR and SNOMED CT APIs enable easy standards-based integration.



Use&Share Platform: A Terminology Management Platform.

Our platform is both an access point to shared terminology resources and a collaborative workspace for creating, adapting and maintaining your own content.

Download platform

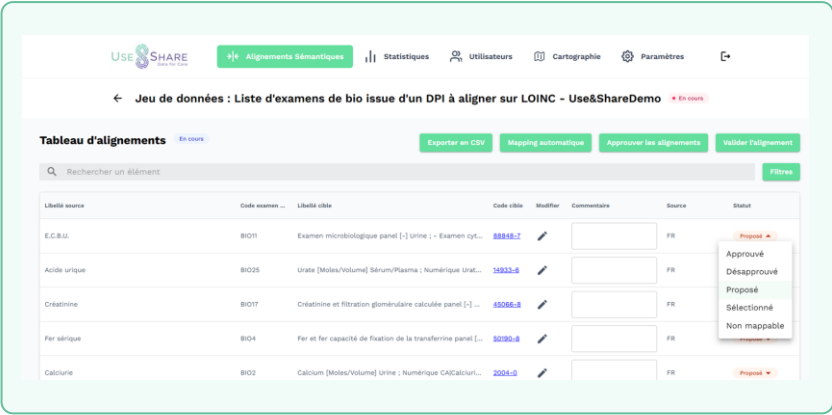
Download the latest resources with ease.

AI Automatic Alignment

Import, produce, and maintain your alignments using AI.

Terminology Support

Consult our experts directly from the platform



The screenshot displays the 'Tableau d'alignements' (Alignment Table) in the Use&Share platform. The table lists various clinical tests and their corresponding LOINC codes. A dropdown menu is open for the 'E.C.B.U.' row, showing options: 'Approuvé', 'Désapprouvé', 'Proposé', 'Sélectionné', and 'Non mappable'.

Libellé source	Code examen ...	Libellé cible	Code cible	Modifier	Commentaire	Source	Status
E.C.B.U.	BI01	Examen microbiologique panel [...] urine ; - Examen cyt...	88848-7			FR	Proposé
Acide urique	BI025	Urate [Moles/volume] Sérum/Plasma ; Numérique Urat...	18833-6			FR	Approuvé
Créatinine	BI017	Créatinine et filtration glomérulaire calculée panel [...] ...	45066-8			FR	Proposé
Fer sérique	BI04	Fer et fer capacité de fixation de la transferrine panel [...]	90385-8			FR	Approuvé
Calcium	BI02	Calcium [Moles/volume] urine ; Numérique CACalcu...	2006-9			FR	Proposé

Collaboration

Invite and manage your users on the platform.

Workflow de validation

Enforce strict resource review and approval workflows.

Semantic Mapping

View reference terminology at a glance.



After an initial start-up phase supported by us, users gradually become self-sufficient thanks to the simplicity and power of the platform.

Managed FHIR Terminology Server.

Your Central Terminology Hub — Synced, Scalable, and Standards-Driven.

Synchronized Resources

Seamless integration of national releases, EMS Health extensions, and customer-specific content.

Flexible Deployment

Fully managed on-premise or cloud-based hosting options.

Standards-Based APIs

Full support for FHIR Terminology and SNOMED CT APIs.

Scalable and Robust

Built to handle high loads with maximum reliability.

Compatible Wide Range of Code System

SNOMED CT, LOINC, ICD-10 and many more



Hospital Resources

EMS Terminology Server



FHIR
Terminology API



SNOMED CT
Terminology API



Browser
SNOMED CT



HealthCode
Ultra Fast
AutoComplete API

Full support Terminology API

\$LookUp,\$Translate (map) to be integrated into the health applications. Works with a wide range of code systems.

Full support SNOMED CT API

Read only access to SNOMED CT API (ECL, Description, RefSet...) for advanced queries.

Official SNOMED CT Browser

Browser SNOMED CT through the official browser

Fast Autocomplete API

Extremely fast (<30ms) suggestion api that understand context and local, clinician language.

Reference Terminology Resources.

Shared resources already validated and in use across numerous healthcare institutions

Shared Resources.

The reference terminology resources are designed to accelerate the adoption of structured data in healthcare institutions — by making it easier for healthcare professionals to use, without exposing them to the complexity of clinical terminologies.

Developed and continuously enriched over the past six years with contributions from our network of clinical partners, this extension incorporates real-world feedback to provide an intuitive terminology layer for caregivers, while adhering to the highest standards of interoperability and data quality.

100+ exclusive content

1. List of addictions
2. List of procedures
3. List of admission reasons
4. ... and more

100 000+

Additional Synonyms and descriptions



Content Types

- ❖ **Preferred terms and synonyms** to reflect everyday clinical language and improve readability
- ❖ **Localized abbreviations and expressions** to support user-friendly search and data entry
- ❖ **Reusable value sets**, aligned with real clinical workflows
- ❖ **Mappings to other coding systems** (e.g., ICD-10, LOINC, local glossaries) to ensure interoperability
- ❖ **Semantic enrichment** such as cardiovascular risk factors, specialties and sub-specialties, as well as clinical systems and sub-systems



Content in Flemish and French

The Patient Explorer App.

A 360° View of Your Patient Data — Powered by AI

Integrates data from a wide range of types
structured data, free-text notes, lab results, clinical documents, and more

Covers the core sections of the patient summary
including problems, allergies, procedures,

Assisted consolidation of records
through AI and guided update of the patient summary

Update Your EHR Problem List
Update your patient records in your EHR or FHIR repository

The screenshot displays the Patient Explorer App interface for a patient named Jane Doe. The interface is split into two main sections. The left section, 'Suggested problems', lists various medical conditions and procedures with checkboxes and AI-assisted confidence scores. The right section, 'Consolidated list', shows a summary of the patient's data with buttons for 'Discard' and 'Save list'. The top of the interface includes a search bar and a patient identifier.

Section	Item	AI Score	Match
Conditions	ENT		
	✓ Tonsillitis	80%	
	2 Rhinitis		
CARDIOLOGY	2 Sinusitis		
	2 Percutaneous Coronary Intervention (PCI)		
	2 Atrial Fibrillation	90%	Match
Procedures			
	✓ Coronary Angioplasty		
	2 Cardiac Arrhythmia	85%	
Allergies			

Connects to your ecosystem
Connect various data sources such as EHR systems and FHIR repositories.

eHealth Integration
Exchange information through hubs such as Cozo, Abrumet and RSW.

Full Traceability
Record sources and transformations are visible and explained.

FHIR Compliant
Reads and write through HL7/FHIR

Technologies Summary.

▣ Health Data Transformation

EMS-TE	EMS Transformation Engine	Transforms raw health data into structured, standardized, high-quality datasets.
EMS-AI	EMS AI Suite	Applies clinical AI and NLP to extract, enrich, and code health information with precision.

▣ Smart Capture

EMS-HV	EMS HealthVoice	Captures clinical data through voice with real-time speech-to-text and semantic structuring.
EMS-HS	EMS HealthScribe	Automatically generates structured clinical notes.
EMS-HC	EMS HealthCode	Codes clinical data in real time using SNOMED CT, ICD, and LOINC standards.

▣ Clinical Knowledge Management

EMS-TS	EMS Managed Terminology Server	Delivers synchronized, high-performance terminology services with SNOMED CT and FHIR APIs.
EMS-STR	EMS Shared Terminology Resources	Provides curated, community-driven value sets, mappings, and clinical descriptions.
EMS-USP	Use&Share Terminology Management Platform	Enables collaborative creation and governance of local and shared terminology content.

▣ Patient Explorer

EMS-PEX	Patient Explorer	Offers clinicians a complete, longitudinal view of patient data powered by IPS standards.
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Integrates into your ecosystem.

Made to integrate well into your EHR system

Vendor Integrations

Hopital Manager – Softway Medical

Terminology and Smart Capture integrated in the EHR (Phare Network — 4 hospitals)

EPIC

Real-Time NLP in EPIC at CU Saint-Luc (Brussels)

xCare — ZORGI

Full integration with most customer of xCare (CHU Liège, CHU Saint Pierre, Citadelle..)

HIX - Chipsoft

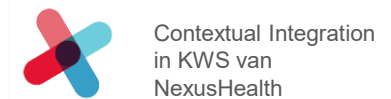
Integration at ZAS

KWS — NexusHealth

Contextual Integration at AZ Glorieux



SYNOPS





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