

SYADEM

VACCINATION MONITORING DASHBOARD

Track, understand, and steer immunisation activity in real time

OVERVIEW

The Vaccination Monitoring Dashboard, developed by **SYADEM**, is a dynamic analytics tool designed for health authorities to monitor, in real time, the vaccination activity of a territory or a specific campaign.

It is powered by the automated aggregation of anonymised data from the Digital Vaccination Record (**DVR**), the Colibri software, or other compatible data sources. All vaccination diagnostics are computed via the Vaccine Decision Support System (**VADES**), ensuring data reliability, consistency, and up-to-date indicators.

KEY FEATURES



Real-time visualisation of aggregated data from the field
Granular coverage indicators by age, risk group, geography, or condition



Possibility to integrate campaign-specific data (consent forms, questionnaires, intervention-related data).



Automated detection of errors or missing doses (e.g., missed dose, off-schedule, wrong vaccine)



Automatic forwarding of anomalies to professionals or centres for correction



Customisable indicators, filterable by strategic criteria (region, cohort, vaccine-preventable disease)

USE CASES



HPV SCHOOL-BASED CAMPAIGN

- ▶ The dashboard enables real-time monitoring of campaign progress, with indicators by school, tagged and linked to data entered via **Colibri**.



TERRITORIAL SURVEILLANCE

- ▶ Identification of low-coverage areas or underprotected high-risk groups



POPULATION-LEVEL TRACKING

- ▶ Example: measles coverage among children aged 9 months to 17 years
- ▶ Example: pneumococcal protection among diabetic patients in a specific region

SEAMLESS INTEGRATION IN THE SYADEM ECOSYSTEM

The dashboard complements other components of the Immunisation Information System (IIS, See the corresponding product sheets):

NUVA

Unified Nomenclature of Vaccines

for vaccine coding

VADES

Vaccine Decision Support System

for vaccination status and recommendations

DVR

Digital Vaccination Record

for structured immunisation histories

Colibri

Vaccination centre software

for frontline data entry during campaigns

KEY BENEFITS



Data reliability ensured by the **VADES** logic



Fast and targeted decision-making



Scalable to any territorial level (local, regional, national)



Unified strategic and operational view



Fully compliant with personal data protection standards



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