

Swiss Pathogen Surveillance Platform (SPSP) — AI-Powered National Genomic Epidemic Surveillance

AI in the Public Sector · Good practice · Switzerland

Quality score: 93/100

Evidence strength: Descriptive / self-reported

Summary

SPSP integrates AI-powered genomic analysis to detect pathogen variants across Switzerland. Mandated by the Federal Office of Public Health since 2021, it has processed 165,000+ SARS-CoV-2 isolates, transmits variant reports 3× weekly and ranked 4th globally for sequences shared.

Key dimensions

Dimension	Score
Evidence of impact / measured public value	3/3
Transparency, fairness & accountability	3/3
Transferability / demonstrated replication	2/3
Scalability beyond pilot	3/3
Governance, capability & sustainability	3/3

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-06-25

[SIB Swiss Institute of Bioinformatics / Swiss Federal Office of Public Health](#) — accessed 2026-06-25

[SPSP official platform](#) — accessed 2026-06-25

[SIB news: Switzerland establishes national infrastructure to track COVID-19](#) — accessed 2026-06-25

[SIB Centre for Pathogen Bioinformatics — epidemic preparedness beyond COVID-19](#) — accessed 2026-06-25

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