

# SPINE-SYNC

## Multi-stakeholder platform for scoliosis education, communication, professional collaboration and health literacy

### ABSTRACT

SPINE-SYNC is a digital platform for paediatric scoliosis patients designed to enhance communication, health literacy, preventive strategies, and a supportive culture that emphasises patient-centred care (PCC). This platform will also facilitate the coordination between care levels and the continuity of care, improving the care provided and boosting healthcare professionals' expertise in e-health technologies and communication. In addition, the SPINE-SYNC platform will be adaptable to different health systems and include existing and new person-centred eHealth tools.

The main objective of SPINE-SYNC is to improve the quality of life of paediatric scoliosis patients by developing and piloting a digital platform that aims to transform the relationship between patients, families and healthcare professionals from different levels of care.

In order to achieve the main objective of SPINE-SYNC and to maximise its impact, we have defined the following Specific Objectives (SO):

- SO1. Incorporate the end-user perspective in the co-design, development and implementation of the SPINE-SYNC platform and associated prevention model.
- SO2. Co-design, develop and pilot the SPINE-SYNC platform (proof of concept) to facilitate health literacy, communication and coordination between different levels of care.
- SO3. Define a roadmap for integrating the SPINE-SYNC platform into health services and health systems as an IT tool to improve continuity and personalisation of care.
- SO4. Develop and implement measures to promote the trust and confidence of patients, professionals and healthcare providers in using health data for public health purposes.

The SPINE-SYNC project seeks transformative effects in Europe's health and care systems by reducing strain, improving quality and efficiency, and overcoming information technology (IT) adoption barriers. It enhances early scoliosis detection, reducing invasive treatments and overall healthcare burden. The platform facilitates a patient-centred system by improving interactions among patients, families, and providers, personalising the care journey and supporting continuous care.

Moreover, it raises the quality and effectiveness of health services by improving management tools for scoliosis, increasing patient adherence, and reducing unnecessary healthcare resource utilisation. SPINE-SYNC also addresses digital skill gaps and cultural resistance, promoting the integration of IT in clinical settings. It aims to transform health and care systems by enhancing responsiveness to individual needs.

## KEYWORDS

- Scoliosis
- Communication
- Training
- Digital Platform
- Learning Community
- Patient journey
- Health Literacy

## DURATION

36 months

## PARTNERS

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