

PRECISE4Q



PREDICTIVE MODELLING IN STROKE

PRECISE4Q sets out to minimise the burden of stroke for the individual and society through precision medicine.

CONCEPT



Personalised stroke treatment enabled by multi-dimensional data-driven predictive simulation computer models.



Heterogeneous data integration from multidisciplinary sources: genomics, microbiomics, biochemical imaging including, as well as lifestyle, gender, economic and workstyle factors.



DIGITAL STROKE PATIENT PLATFORM

INTEROPERABLE DATA MANAGEMENT AND HARMONISATION MODULE

PREVENTION

STROKE RISK
CDSS

TREATMENT

OUTCOME /
RE-STROKE
RISK CDSS

REHABILITATION

PRECISE4Q REHAB
PROGRAMME CDSS

REINTEGRATION

SOCIO-ECONOMIC
PLANNING TOOL

EUROPE-STROKE

MODELLING
PLATFORM FOR
EUROPEAN OPEN
STROKE RESEARCH

CLINICAL PRACTICE

PRECISE4Q will develop clinical decision support systems (CDSSs) for stroke, based on validated predictive models. The CDSSs will address stroke patients' needs at four stages: prevention, acute treatment, rehabilitation and reintegration. They will be available "stand-alone" as well as part of a comprehensive Digital Stroke Patient Platform.

STROKE RESEARCH

The models and data ecosystem of the Digital Stroke Patient Platform will double as a European Modelling Platform for Open Stroke Research (EUROPE-STROKE). This service will enable the collection and integration of large scale data support for both hospitals and the research community to advance precision medicine in stroke.

IN A NUTSHELL...

PRECISE4Q



PREDICTIVE MODELLING IN STROKE

WWW.PRECISE4Q.EU

@PRECISE4Q 

PRECISE4Q@empirica.com 

Duration May 2018 - April 2022 (48 months)

Budget €5.9 Million

Coordinator Charité - Universitätsmedizin Berlin

Consortium 12 partners, 8 countries



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 777107.

