Decision SupporT and self-mAnagement system for stRoke survivoRs

Objective

Stroke a leading cause of death and disability, with an estimated total cost of €65 billion per year in Europe. Even though preventive measures are in place to reduce the incidence of stroke, the number of persons having a stroke in Europe is likely to increase from 1.1 million/year in 2000 to more than 1.5 million/year in 2025 because of the increasing ageing population. Secondary stroke carries with it a greater risk than first-ever stroke for death and disability. Also, as mortality from first strokes has decreased recently, the number of people at risk for a secondary stroke has increased, with an associated increase in healthcare costs. In order to reduce these stroke statistics and the associated cost, the self-management of stroke risk factors is particularly suitable and necessary for the following reasons: 1) risk factors for stroke are well-known, and 2) 90% of strokes or secondary stroke events are preventable if the risk factors are managed appropriately. The Decision SupporT and self-mAnagement system for stRoke survivoRs (STARR) project and the system developed in it are targeting the self-management of stroke risk factors. Based on existing computational predictive models of stroke risk, we will develop a modular, affordable, and easy-to-use system, which will inform stroke survivors about the relation between their daily activities (e.g., medication intake, physical and cognitive exercises, diet, social contacts) and the risk of having a secondary stroke. This will lead to better prevention and a reduction of the number of secondary stroke events, as well as to
a more efficient participation of patients in medical decision-making. A multidisciplinary consortium has been built for achieving the objectives of this ambitious project, involving stroke survivors’ associations, healthcare actors, sensing and human-machine interfaces experts. The consortium also comprises 3 European companies which will exploit the results of the project after its end.

Programme(s)

H2020-EU.3.1.4. - Active ageing and self-management of health

Topic(s)

PHC-28-2015 - Self management of health and disease and decision support systems based on predictive computer modelling used by the patient him or herself

Call for proposal

H2020-PHC-2015-single-stage

See other projects for this call

Funding Scheme

RIA - Research and Innovation action

Coordinator

COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES

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Rue Leblanc 25
75015 Paris 15
France

Activity type
Research Organisations
EU Contribution
€ 817 166,25

Website
Contact the organisation

Participants (11)
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<td>BLUELINEA</td>
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<td>FONDATION HOPALE</td>
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<td>THE STROKE ASSOCIATION</td>
<td>€ 149 000</td>
<td>Stroke House, City Road 240 Ec1v 2pr London</td>
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<td>LUNDS UNIVERSITET</td>
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**FIZ KARLSRUHE - LEIBNIZ-INSTITUT FUR INFORMATIONSINFRASTRUKTUR GMBH**
Germany

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- **EU Contribution**: €331,750

**INIT SERVICES FOR SOCIAL INNOVATION SL**
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- **EU Contribution**: €307,737

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- **Address**: Rue Du Faubourg Saint Martin, 251, 75010 Paris
- **Activity type**: Private for-profit entities (excluding Higher or Secondary Education Establishments)
- **EU Contribution**: €120,255

**Website**

**Contact the organisation**

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**Record number**: 199902

**Permalink**: https://cordis.europa.eu/project/id/689947/en