ICTUSnet FINAL DISSEMINATION EVENT

July, 29th 2021 | Online Session | Barcelona | Catalonia

Project funded by the Interreg Sudoe Programme through the European Regional Development Fund

Work Package 4

Transfer of Knowledge

Responsible beneficiary:

Administração Regional de Saúde do Norte de Portugal (ARSN)

Elsa Azevedo

Partners:



























for agents involved in stroke care ICTUSnet regions



AIM



To update and improve medical protocols and care plans

Addressed to **health care professionals**

Product 4.1 - ACTION PLAN





Action plan categories

- General data
- Primary prevention, health promotion and campaigns
- 3. Organization of stroke services and management of acute stroke
- 4. Follow-up and rehabilitation, secondary prevention, life after stroke

Stroke Action Plan for Europe 2018-2030

- 1. Primary Prevention
- 2. Organization of Stroke Services
- 3. Management of Acute Stroke
- 4. Secondary prevention and organized follow-up
- 5. Rehabilitation
- Evaluation of Stroke Outcome and Quality Assessment
- 7. Life after stroke

Product 4.1 - ACTION PLAN

RESULTS AND CONCLUSIONS



Common recommendations (examples)

- ✓ Include the **risk of stroke** in population campaigns
- ✓ Enhance **screenings** for detection of atrial fibrillation in the population at risk
- ✓ Evaluate the results and impact of campaigns
- ✓ Guarantee access to a stroke unit regardless of the patient's geographical location
- ✓ Develop a maintenance plan for the stroke **registry** with regular updates
- ✓ Incorporate the whole process (rehab/follow-up) into the integrated health records
- ✓ Work to provide an early supported discharge to at least 20% of the stroke population
- ✓ Evaluate **secondary prevention** with properly indicators

Product 4.1 - ACTION PLAN

RESULTS AND CONCLUSIONS



Specific recommendations (regions)

- ✓ Carry out campaigns on the detection of hypertension in the population at risk (Navarre)
- ✓ Include atrial fibrillation indicators in the list of Primary Care collected indicators (Aragon, Catalonia, Navarre, Occitanie)
- ✓ Update the Stroke Physical Medicine and Rehabilitation Policy Document, 2012 (North Portugal)
- ✓ Analyse human and material resource needs to ensure that each patient receives the necessary rehabilitation by specialised professionals (Balearic Islands)

Product 4.2 – ROADMAP for stroke care





AIM

- Propose key actions for the improvement of stroke care in the short, medium and long term
- To address and disseminate the final recommendations to key stakeholders, to be incorporated into health strategies and plans

Addressed to health care authorities



ICTUSNET ROADMAP TO IMPROVE STROKE CARE IN SOUTHWESTERN **EUROPEAN REGIONS**

Statements on stroke and main recommendations for health authorities

STROKE SHOULD BE A HEALTH PRIORITY: IT NEEDS GOVERNMENT'S INVOLVEMENT AND EUROPEAN CONSENSUS.





ment at i and agreed i works pix at startile have a whole twentige from pointing presented to bite twenty, with an integrated, with the bites twenty, with an integrated, with the highlandy and agreement agreement.

2 STROKE NEEDS AN INTEGRATED ORGANISATIONAL



3 STROKE REQUIRES A PERSON-CENTERED HODEL OF CARE.



STROKE IS PREVENTABLE AND HAVE DISTINCTIVE RISK FACTORS





expandic emergency participation and partners should be established, optional explanad paracideally by a regional explanation of the Control Com-

secures the scatch that of such a such ad teleperatural professionals. Province artification of Strator Units. RSHE SAS successes of reports say who open show it STROKE DEHANDS A CONTINUUM OF INTEGRATED CARE AND A REHABILITATION PROCESS: DISABILITY CAN BE REDUCED



-cape or the absolute be accepted, in a say it all modes say that should be been a backley for stong accept the best say he this work as participated in the say he this work as participated in the say he that the product of the say of the say

7 LIFE AFTER A STROKE DOES CONTINUE. STROKE SURVIVORS HAVE SPECIFIC HEALTH AND SOCIAL NEEDS.



Promotion Medigitation of Swell is tower or all feets that a consects filter and grantifigation in trappers and discussional groups, for these and that a consection files are all feets are for the second state of the second st

8 STROKECARE NEEDS DATA MANAGEMENT; COLLECTION OF STROKE DATA



Midst, detailing and maintain dealt affective counts bits in price spatients: apply existed, detailed and a see amount on a count of the large spatients; from books of placettes a selected or bender to a count of a count in placette or bender to a count of a count in placette or bender to a count of a count in placette or bender to a count of a count in placette or bender to a count of a count in placette or bender to a count of a count of the placette or bender to be a count of the placette or bender to be a count of the count of the placette or bender to be a count of the count of the placette or bender to be a count of the count of the count of the placette or bender to be a count of the count o

- stable data a scep manage and slowing

9 STROKECARE ORGANISATIONS NEEDS TO EVALUATE, AUDIT AND DISSEMINATE HEALTH OUTCOMES AND RESULTS TO IMPROVE



EINMEN Of the of a stilled on repeals on a off-some part follows, which we do below to harden a part follows, which the gives and beach study to prince a. Third the gives and do beach study to the stilled on a part follows to be a stilled on the stilled of the

10 STROKE NEEDS INNOVATION AND RESEARCH



- communication and dissenses an of lateral edge should hall the heart and a strategies.

patient reported algorithms shall the emilingual to standy been process and efficient models of mrs. from a blood

Interreg 🖸 Sudoe















STROKE SHOULD BE A HEALTH PRIORITY; IT NEEDS GOVERNMENT'S INVOLVEMENT AND EUROPEAN CONSENSUS.



- Tackle the challenge of stroke not only to invest resources on prevention and treatment of stroke, but to promote effective and efficient care for the increasing number of stroke survivors with sequelae.
- Use the European Stroke Action Plan (E-SAP)
 Stroke Action Plan for Europe (SAP-E) as a reference for the development of collective actions in the right direction
 https://actionplan.eso-stroke.org

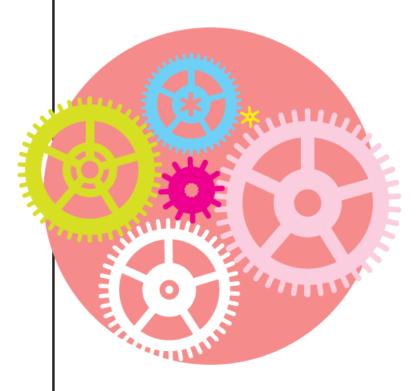


- ICTUSnet tools and products should be used as European best practices; available at ICTUSnet platform



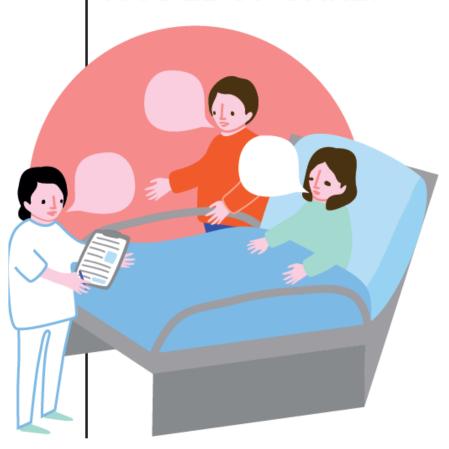
platform.ictusnet-sudoe.eu

2 STROKE NEEDS AN INTEGRATED ORGANISATIONAL AND COLLABORATIVE STRATEGY ENCOMPASSING THE ENTIRE CHAIN OF CARE.



- National and regional stroke plans should have a whole strategy from primary prevention to life after stroke, with an integrated, multidisciplinary and synergetic approach.
- Cooperation should be encouraged across stakeholder groups including representatives from public health, health management, emergency, primary, hospital healthcare and social care organisations, and patients' associations.

3 STROKE REQUIRES A PERSON-CENTERED MODEL OF CARE.



- Promote effective communication, shared clinical decisions and active participation of patients and caregivers throughout the whole process, and also in the evaluation of outcomes and quality of life. https://youtu.be/uX2sfVsa0ak



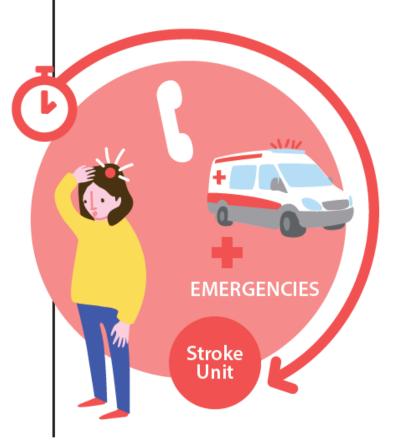
STROKE IS PREVENTABLE AND HAVE DISTINCTIVE RISK FACTORS



- Improve population's **knowledge** on the modifiable risk **factors for stroke**. Comprehensive stroke prevention campaigns should be carried out regularly including **recommendations for healthy lifestyles**.
- Strategies should be improved for the prevention and control of obesity, arterial hypertension and atrial fibrillation, and for smoking cessation.
- Reduce the recurrence of stroke.

 Updated, evidence-based secondary prevention strategies should be included in the Regional Stroke Plan.

5 | STROKE IS A TIME-DEPENDENT TREATABLE EMERGENCY.



- Improve population's knowledge on stroke signs and symptoms and how to react.
 Stroke awareness campaigns should be conducted regularly.
- Equitable emergency pathways for stroke patients should be established, updated and evaluated periodically by a regional multidisciplinary Stroke Code Team.
- Increase the availability of Stroke Units and stroke-trained professionals. Promote certification of Stroke Units. Rates and outcomes of reperfusion therapies should be improved.

STROKE DEMANDS A CONTINUUM
OF INTEGRATED CARE AND A REHABILITATION
PROCESS; DISABILITY CAN BE REDUCED



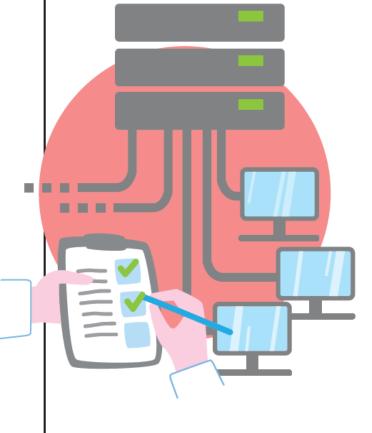
- Gaps in care should be avoided; the Regional Stroke Regional Plan should include a strategy for integrated care throughout the whole pathway after hospital discharge and a comprehensive, evidence-based multidisciplinary neurorehabilitation plan.
- Key Performance Indicators of these strategies should be included on **stroke data management to enable periodic evaluation** and improve efficiency.

T LIFE AFTER A STROKE DOES CONTINUE.
STROKE SURVIVORS HAVE SPECIFIC HEALTH
AND SOCIAL NEEDS.



- A **specific section** in the Regional Stroke Regional Plan should be dedicated **to life after a stroke**, long-term health and **social support** for stroke survivors.
- Promote integration of stroke survivors into their communities and participation in support and educational groups, for them and their caregivers. An active role for Stroke Support Organizations and Patients' Associations should be encouraged, in coordination with community resources.

STROKECARE NEEDS DATA MANAGEMENT; SYSTEMATIC AND STANDARDISED COLLECTION OF STROKE DATA



- Build, develop and maintain data infrastructures that support systematic approach, data-centric stroke care assessment across the whole care pathway. To this end, use any available data source, from stroke registries to electronic health care records or discharge reports, compliant with the principles of the European Framework of Interoperability.
- Enable data anonymisation and sharing with other stroke registries. ICTUSnet project centralized registry and the use of its identified standards are particularly recommended for the acute phase http://platform.ictusnet-sudoe.eu/red-ictusnet/informe-tratamiento-de-reperfusion-e-indicadores/



STROKECARE ORGANISATIONS NEEDS TO EVALUATE, AUDIT AND DISSEMINATE HEALTH OUTCOMES AND RESULTS TO IMPROVE



- Promote stroke care continuous assessment and sound comparisons of care providers, within and between health systems. Settle targets and benchmarks for evaluation of the whole stroke care pathway in a quality-improvement program. Indicators identified in the ICTUSnet project should be used, aligned with Stroke Action Plan in Europe.
- Promote regular public reporting of the results produced in the evaluation of stroke care and, out of this, foster dialogues with health authorities and within the multidisciplinary working group.
- The **economic** and **social impact** of stroke should also be regularly assessed, including measures of indirect costs throughout the care process.

10

STROKE NEEDS INNOVATION AND RESEARCH IN MANAGEMENT AND CARE.



- Data management seeks innovation. Enable digital transformation, promote real time data monitoring, explore advanced data mining tools and innovate in data reuse.
- Models of strokecare should be innovative: incentivise and enable stroke professionals to provide integrated, patient-centered care.
- Communication and dissemination of **knowledge** should include innovative strategies.
- Social innovation is needed to improve support for patients with acquired brain injury.
- Research on long-term management and patient-reported experience should be encouraged to identify best practices and efficient models of care from a broad perspective.