

European Stroke Organisation EAST project (ESO EAST) 2020

Improve and Optimize the Management of Stroke in Central and Eastern Europe

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STROKE ACTION PLAN EUROPE
Online Kick-off Meeting
8 September 2020



About ESO-EAST Project



Goals

The ESO's major objective is to improve and optimise the management of stroke in Europe, including the provision of medical education to healthcare professionals and the lay public in Europe, and offering best practice approaches.

ESO projects are targeted to achieve the following purposes:

- To promote awareness, management, teaching and research in all aspects of stroke;
- To develop and promote public policies to reduce the number of deaths by stroke and to improve the care of stroke victims and the quality of life of stroke victims.
- To reduce the global burden of stroke throughout Europe
- To develop and promote professional and public education;
- To develop and promote other appropriate activities such as fundraising and prevention programs;
- To develop, promote, and coordinate international teaching programs through national/regional organisations;
- To advise and guide on fundraising skills in order to enable national foundations and societies to finance a greater level and range of activities;
- To foster the development of an international communications system by encouraging the regional activities of organisations, stroke networks, foundations as they operate within the goals and objectives of the organisation.

In April 2015, the first meeting of ESO EAST collaborators took place at the ESOC in Glasgow.

Actions of ESO-EAST

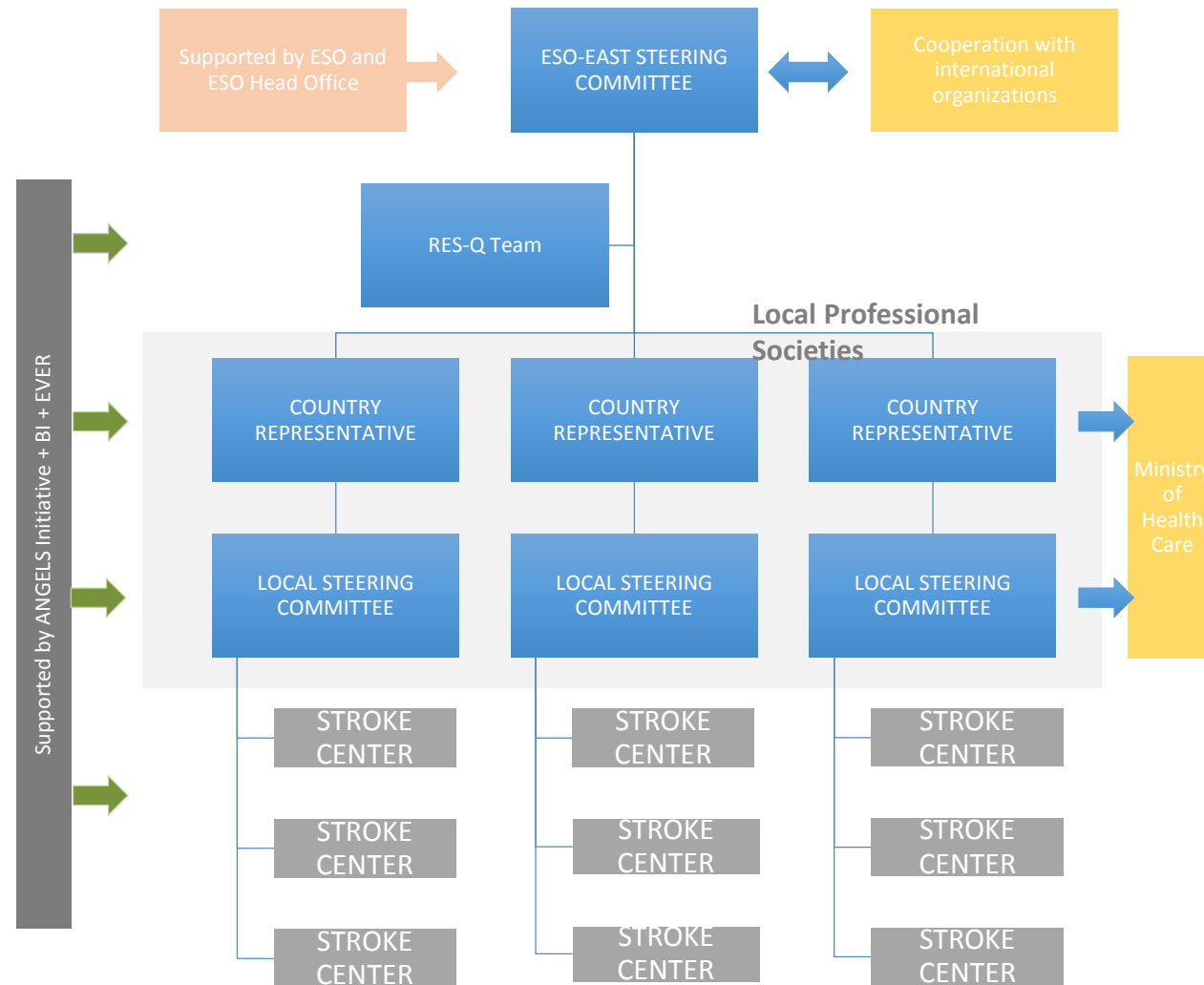


A) Project management infrastructure

- *Leadership*
- *Human infrastructure*
- *Communication*

B) Platform for quality metrics collection

C) Education



Network of collaborators

- **0 ESO-EAST Meeting**
- Vravrona, Greece – Oct 2015
- **1st Annual ESO-EAST Meeting**
- Glasgow, UK – Apr 2015
- **2nd Annual ESO-EAST Meeting**
- Barcelona, Spain – May 2016
- **3rd Annual ESO-EAST Meeting**
- Prague, Czech R. – May 2017
- **4th Annual ESO-EAST Meeting**
- Gothenburg, Sweden – May 2018
- **5th Annual ESO-EAST Meeting**
- Milano, Italy – May 2019



Country	Number of Steering committee members
Albania	Not established
Armenia	7
Azerbaijan	13
Bosnia	
Bulgaria	5
Croatia	5
Czech Rep.	13
Estonia	9
Georgia	8
Kazakhstan	3
Kyrgyzstan	In process
Lithuania	5
Macedonia	5
Moldova	12
Poland	6
Romania	4
Russia	
Serbia	11
Slovakia	13
Tajikistan	dropped
Ukraine	11
Uzbekistan	3

Actions of ESO-EAST



A) Project management infrastructure

- *Leadership*
- *Human infrastructure*
- *Communication*

B) Platform for quality metrics collection

C) Education

Large number of countries participate

ESOC 2019

94,339 up-to-date total patients	747 up-to-date total sites	55 up-to-date total countries	7,983 enrolled patients last month	36 enrolled sites last month
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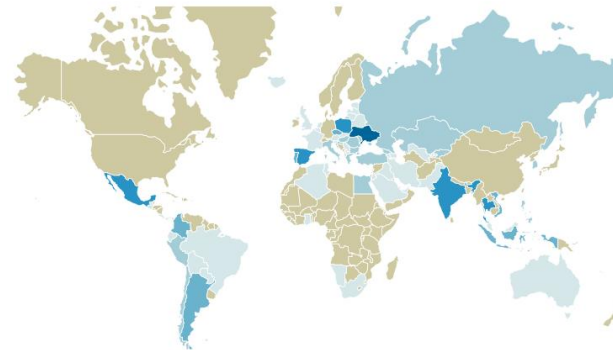
ESOC 2020

243 427 total patients	1 393 total sites	70 total countries	3 084 enrolled patients last month	20 enrolled sites last month
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ESOC 2019



ESOC 2020

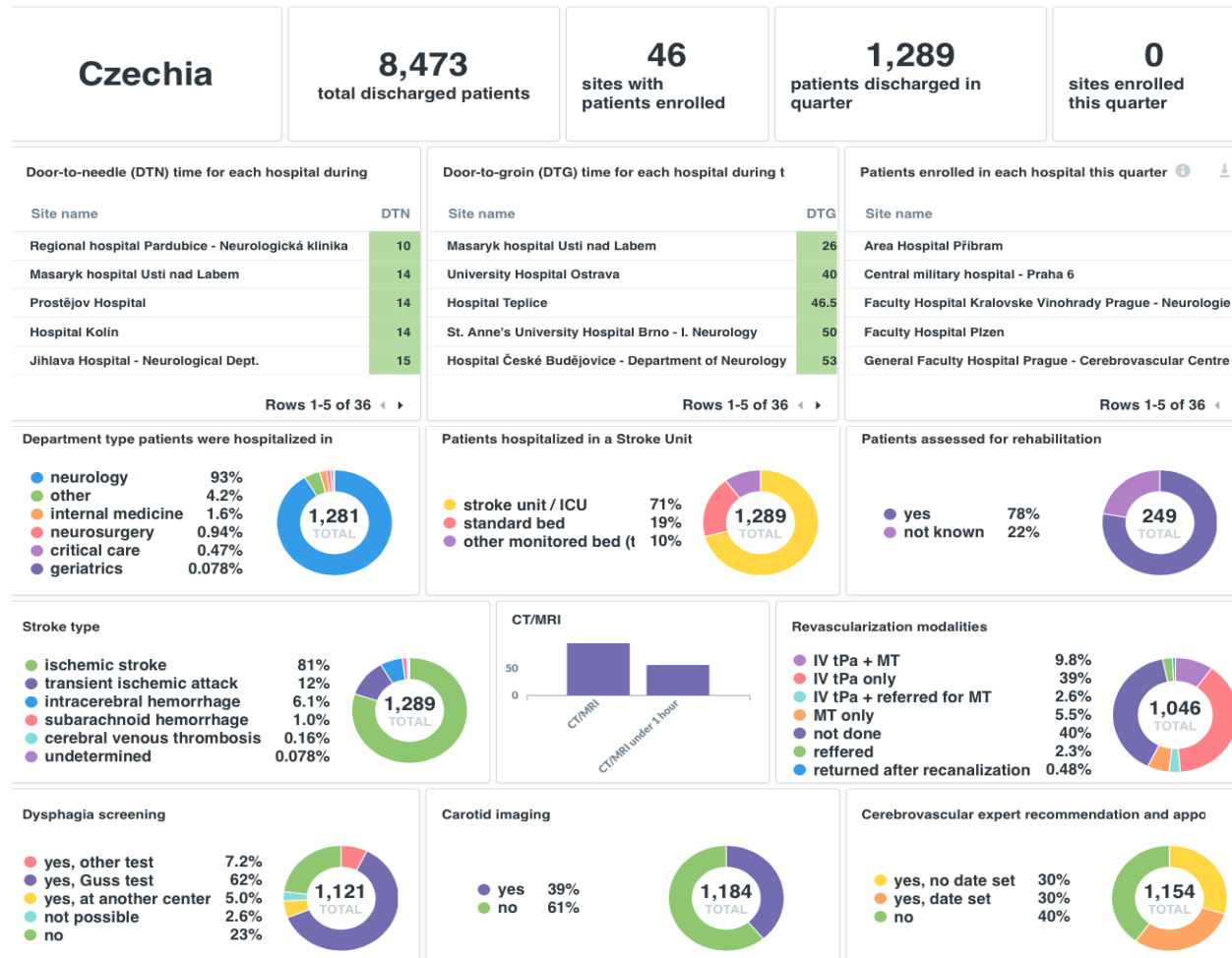


Online National Audit Tool

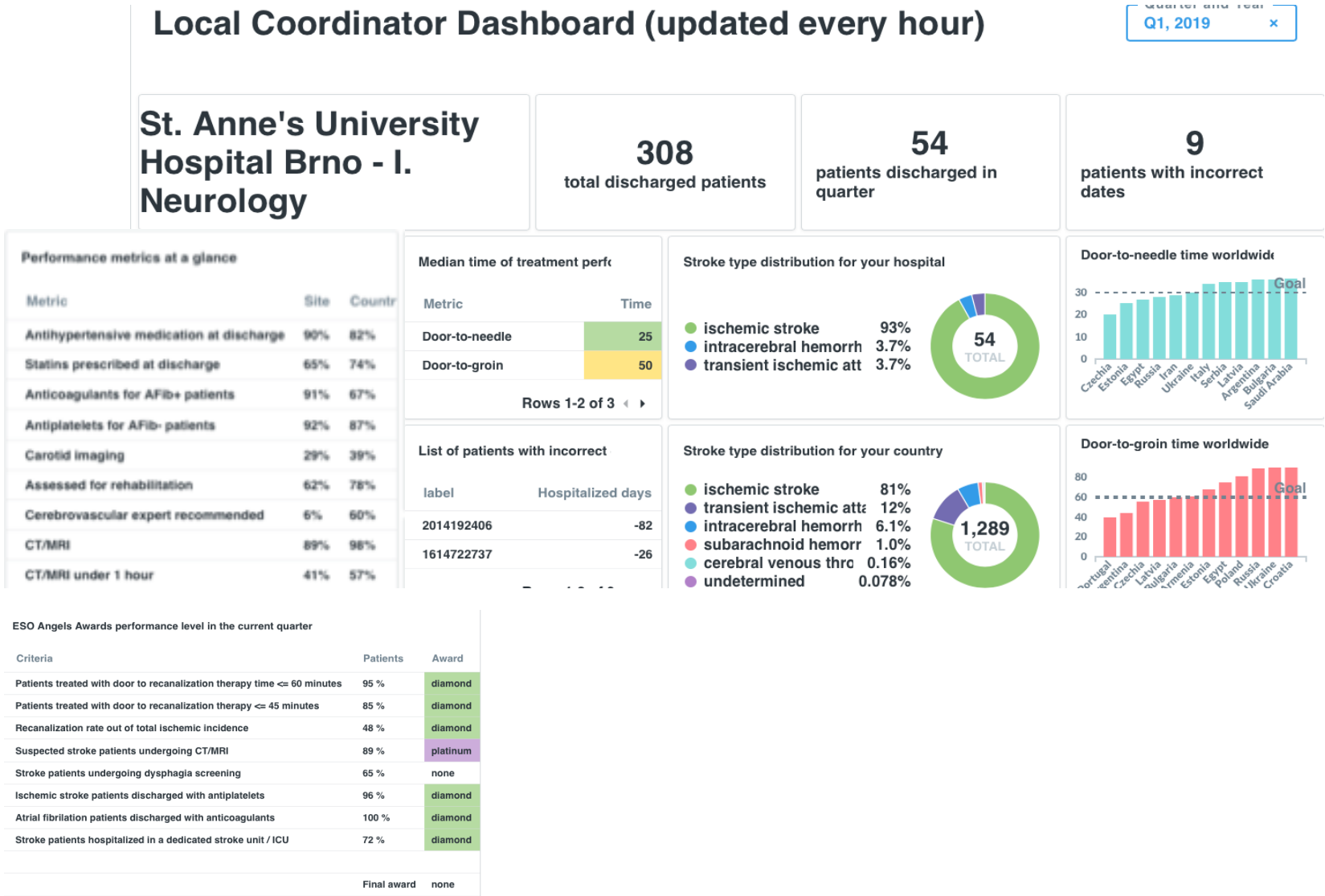


Country Coordinator Dashboard (updated every hour)

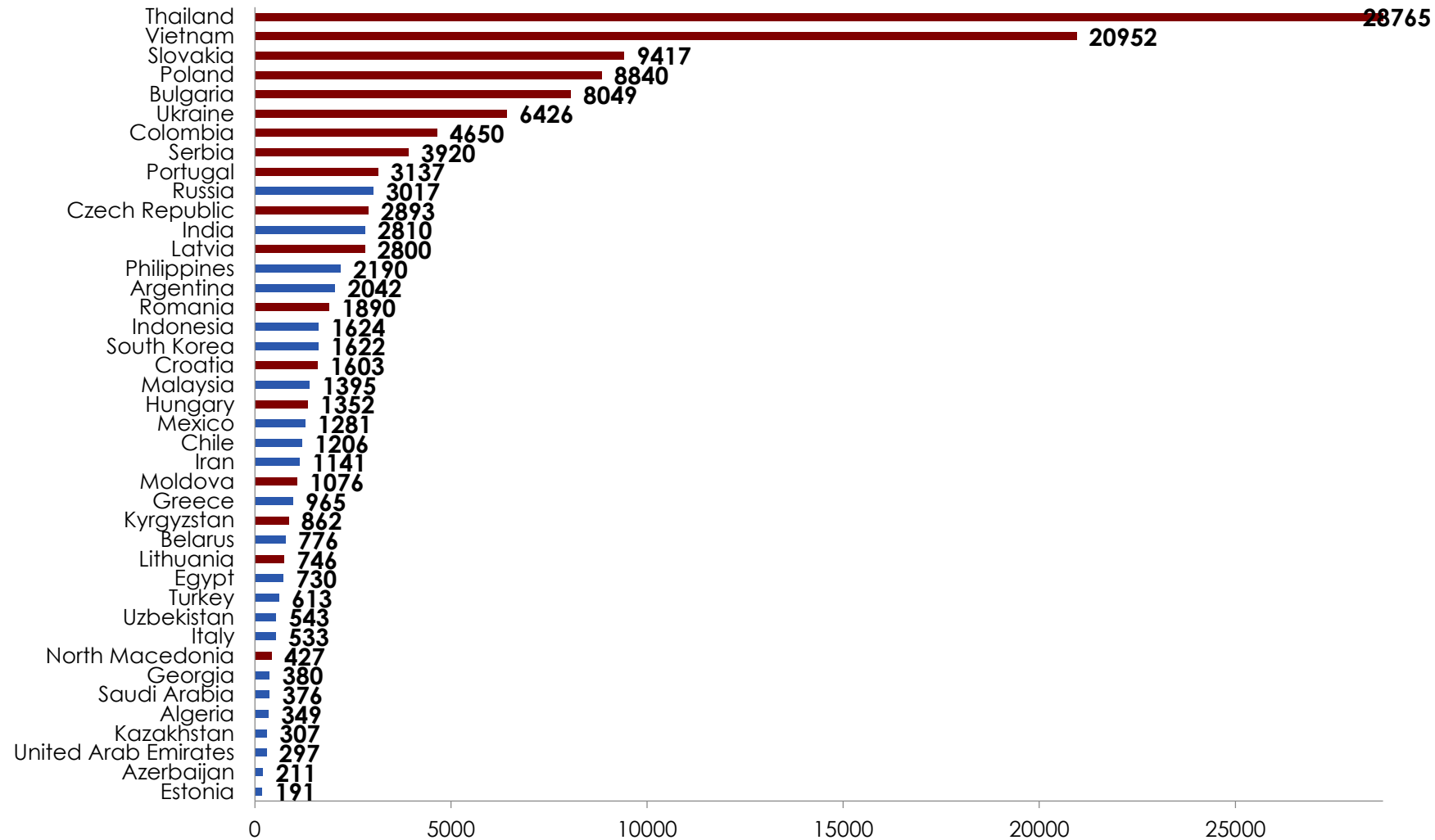
Quarter and Year
Q1, 2019 x



Hospital benchmarking against national data, Angels award criteria etc.

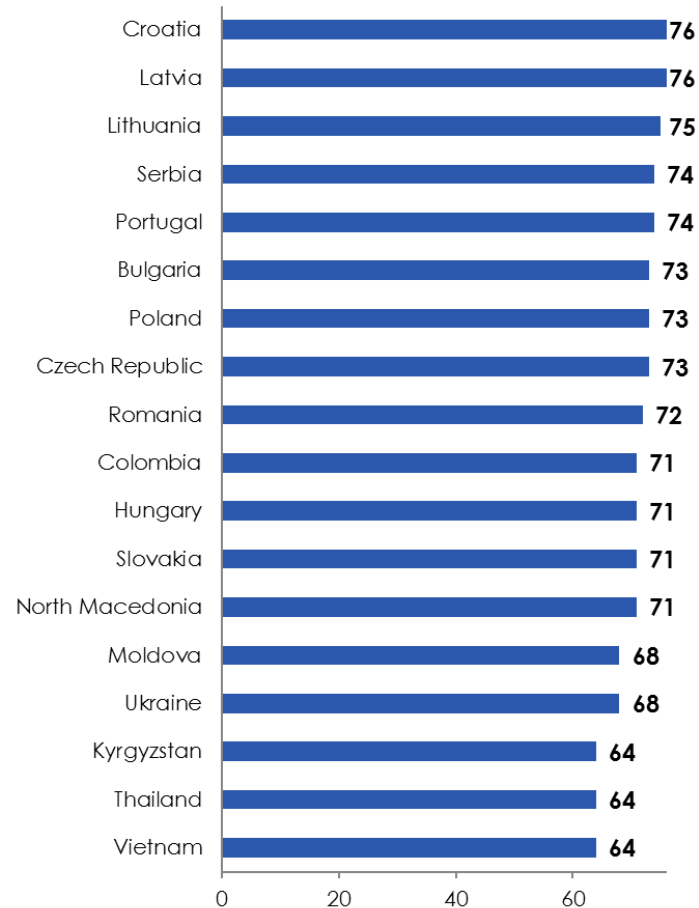


Total number of cases - admission date in 2019-04-01_2020-06-30

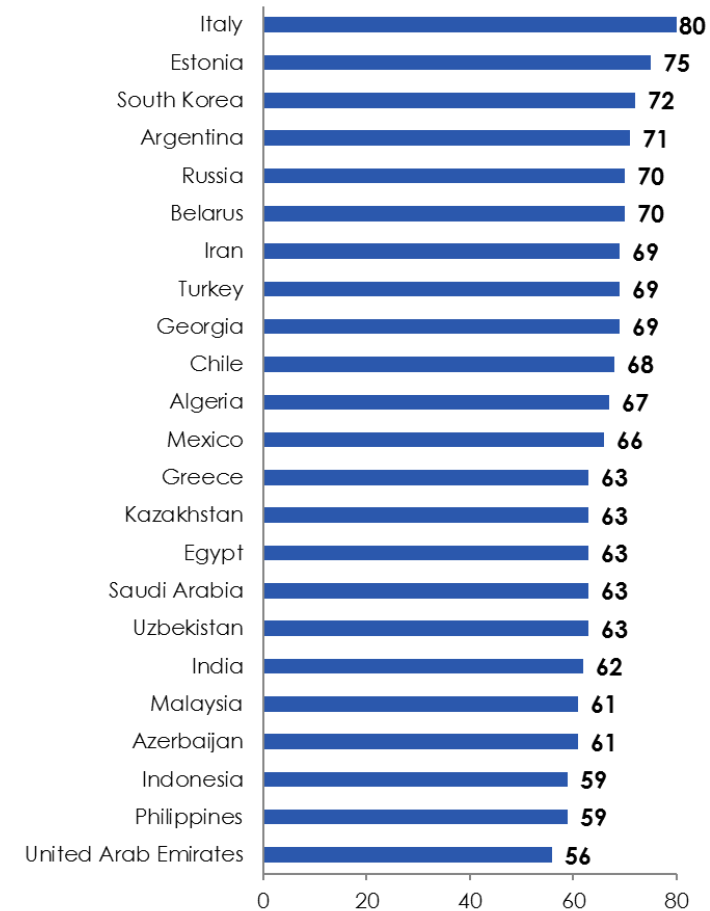


Median patient age

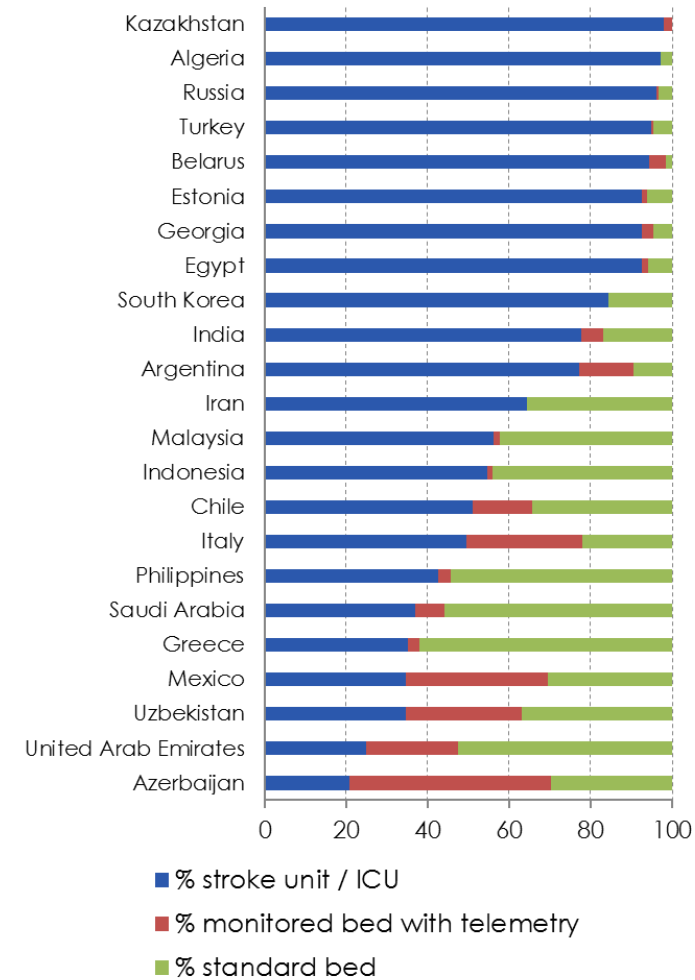
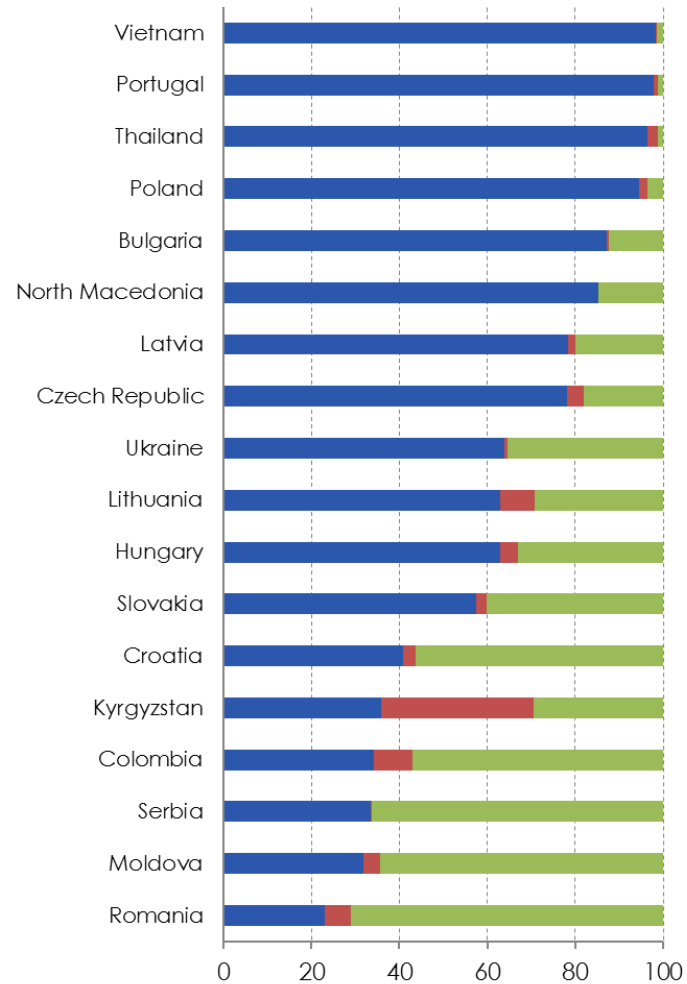
Nationally representative sample



Site-level representative sample

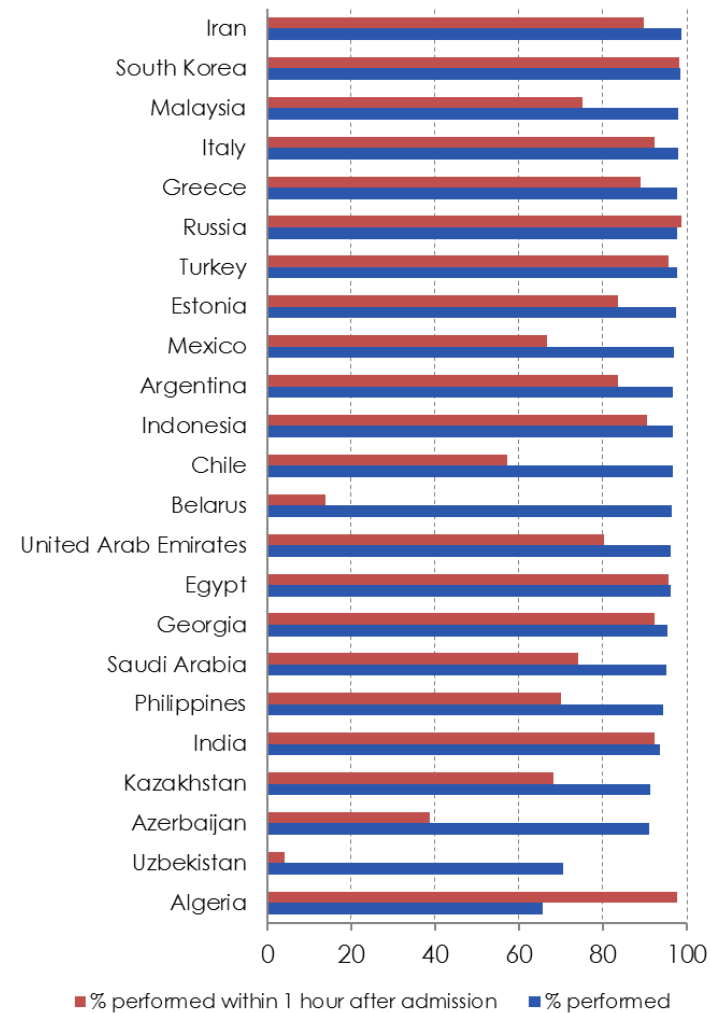
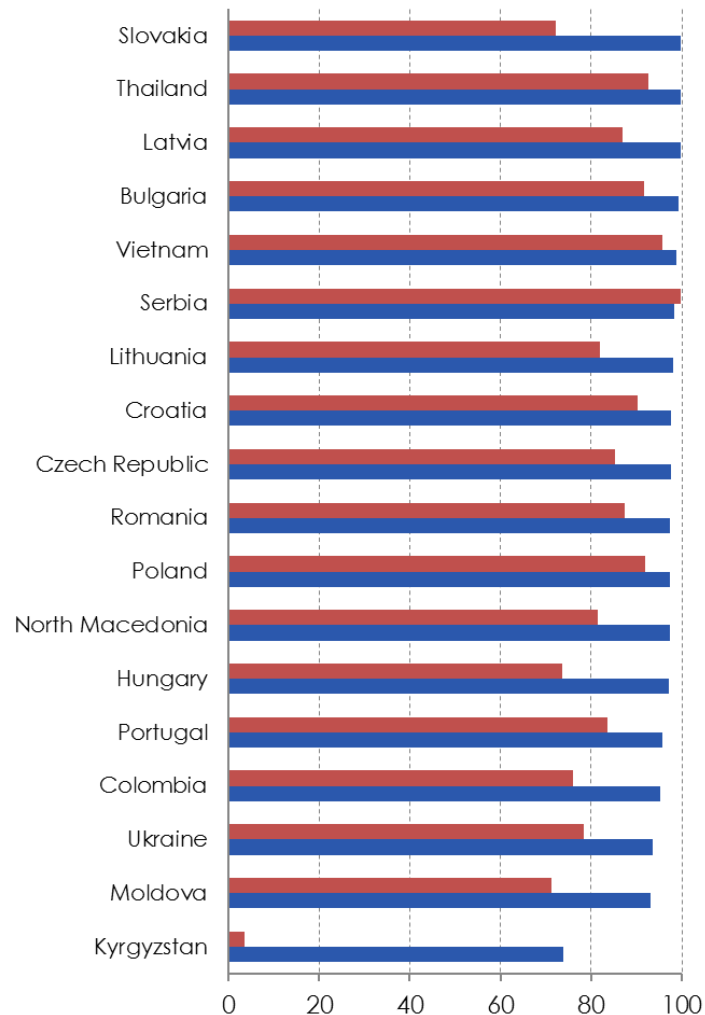


Hospitalization type, ordered by % stroke unit



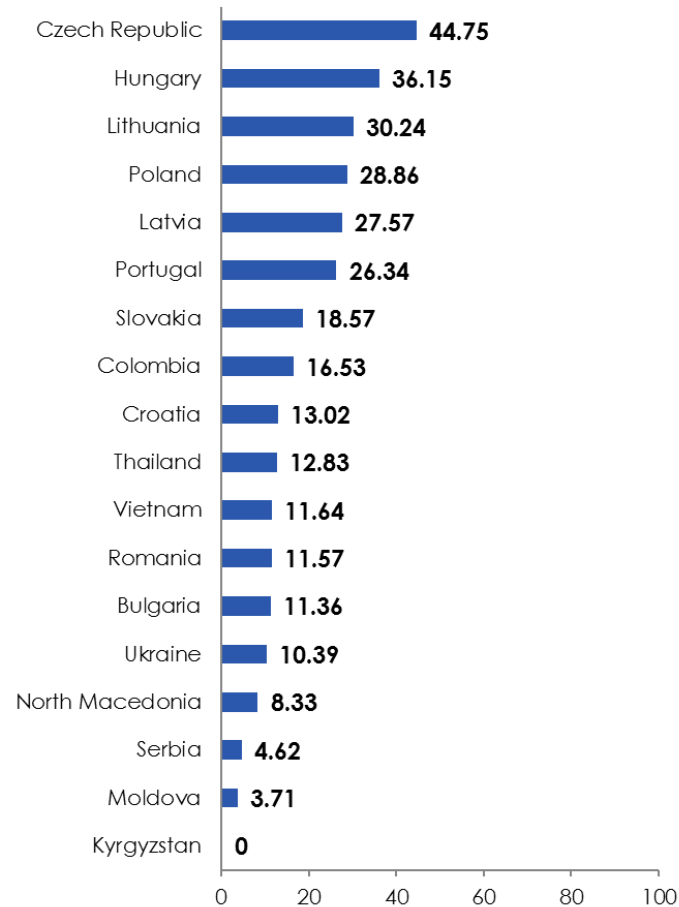
% patients receiving CT / MRI

- Calculated out of number of IS + ICH + TIA + CVT -

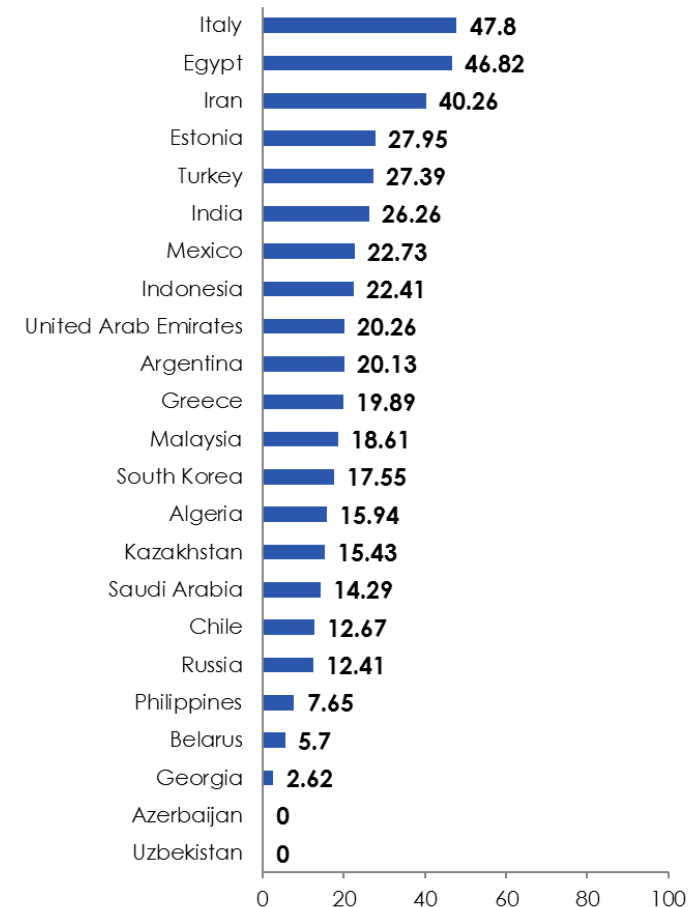


% patients receiving thrombolysis

Nationally representative sample

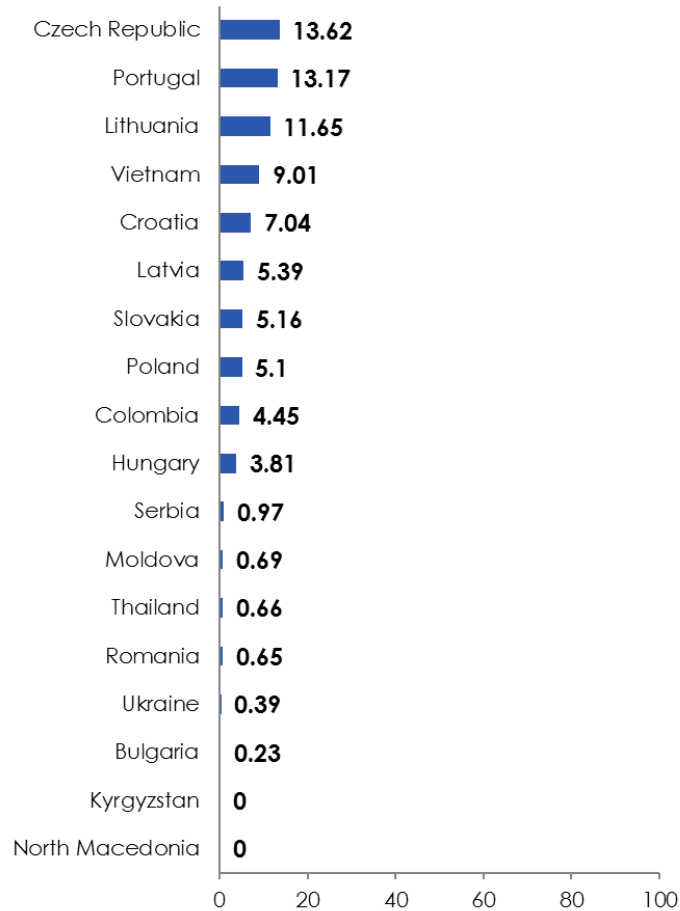


Site-level representative sample

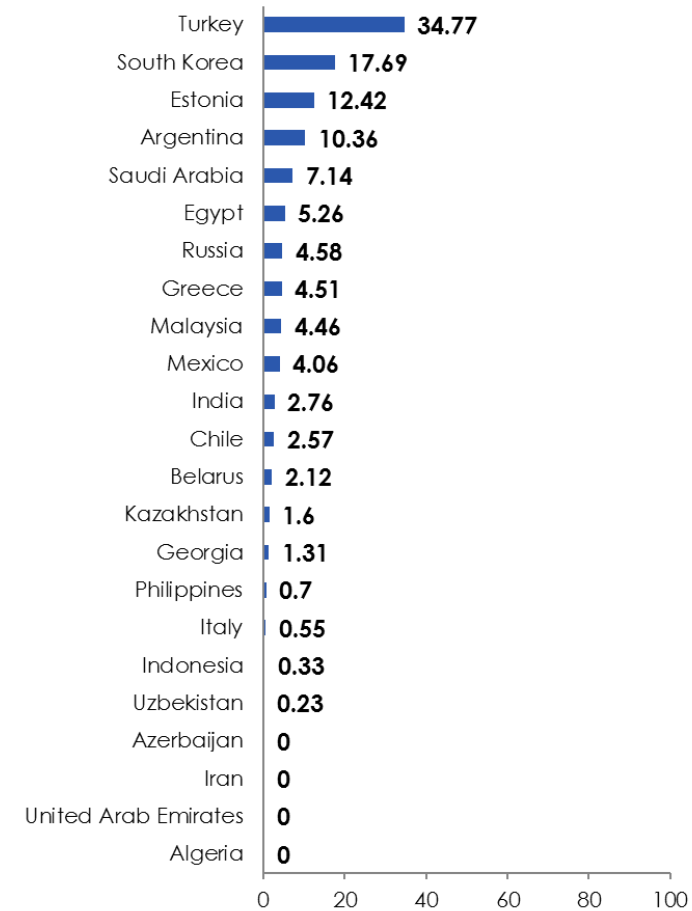


% patients receiving mechanical thrombectomy

Nationally representative sample

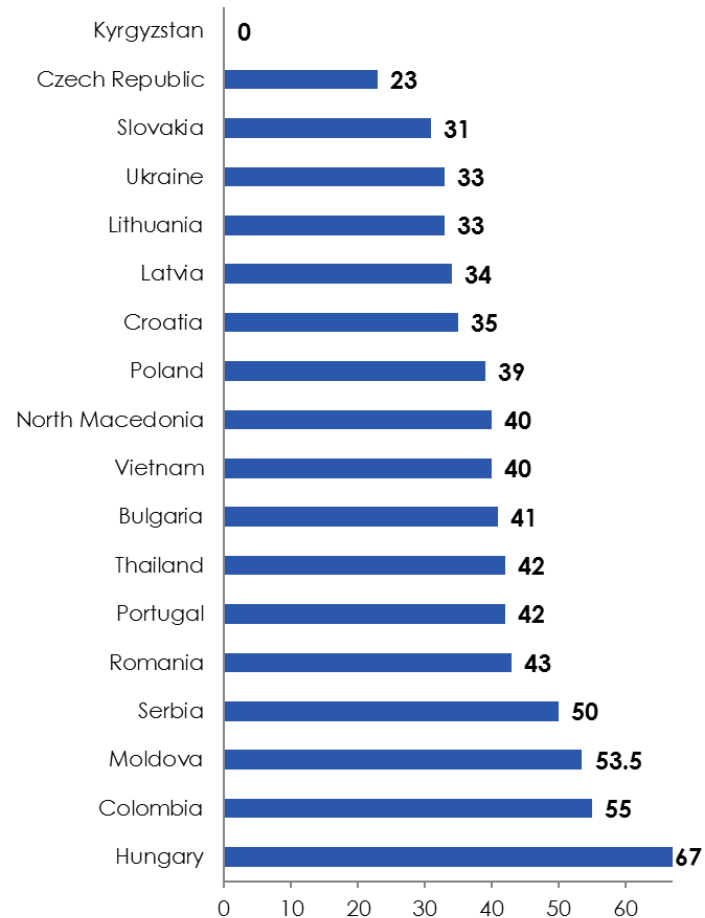


Site-level representative sample

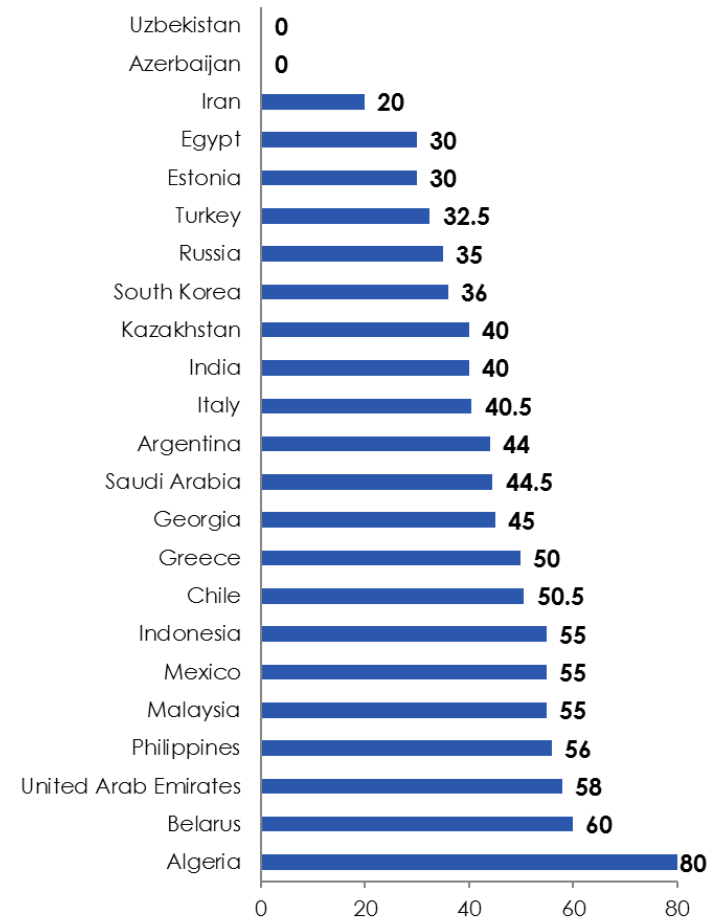


Median Door-to-Needle Time (DTN), in minutes

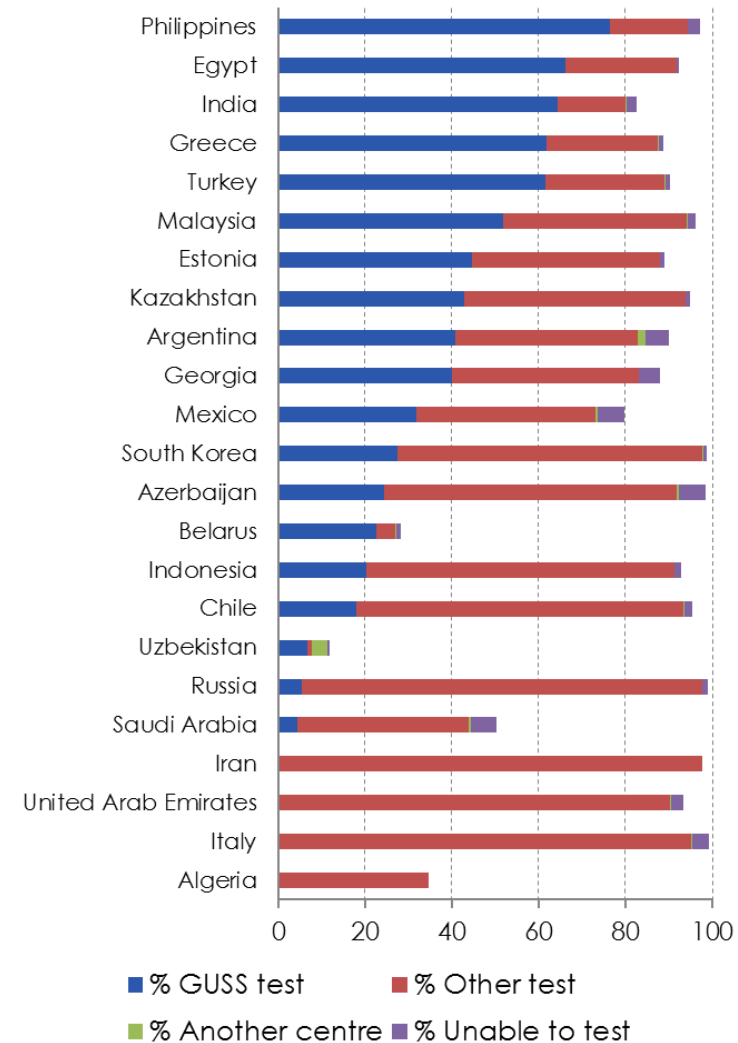
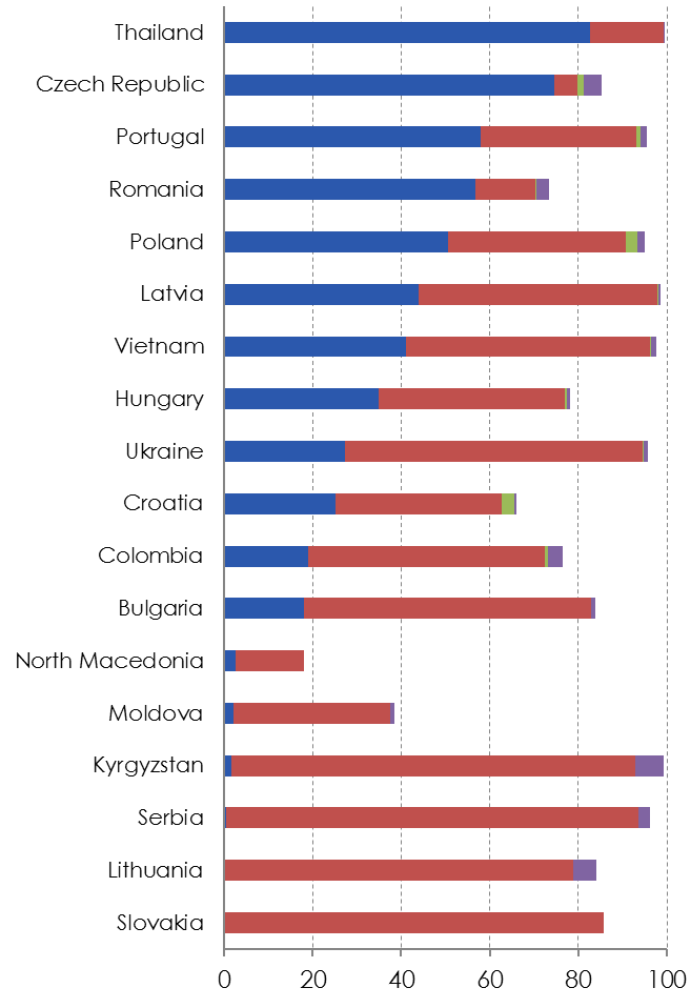
Nationally representative sample



Site-level representative sample

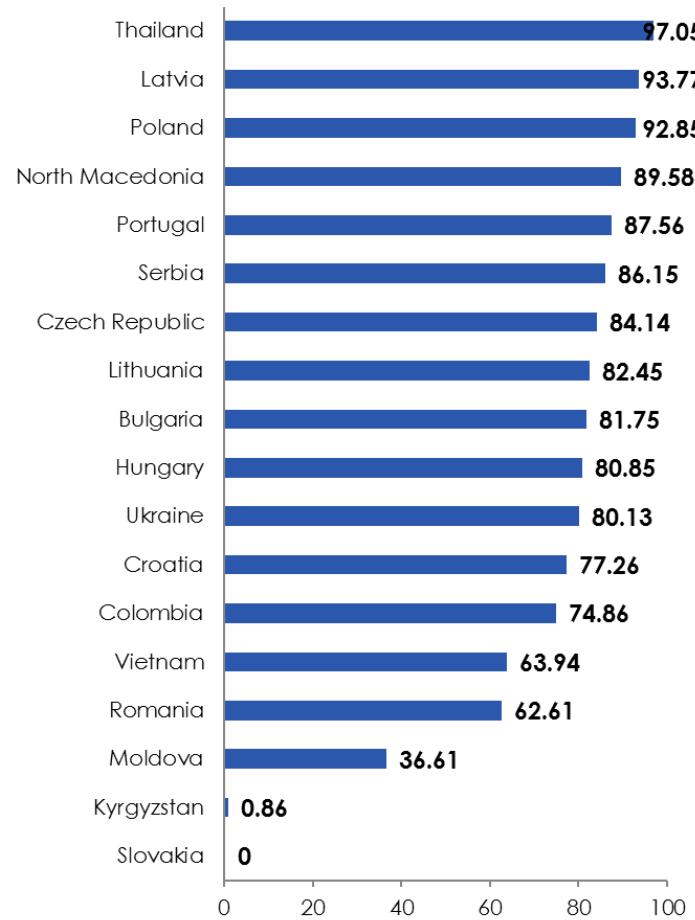


% patients screened for dysphagia, ordered by % GUSS test - Calculated out of number of IS + ICH + CVT -

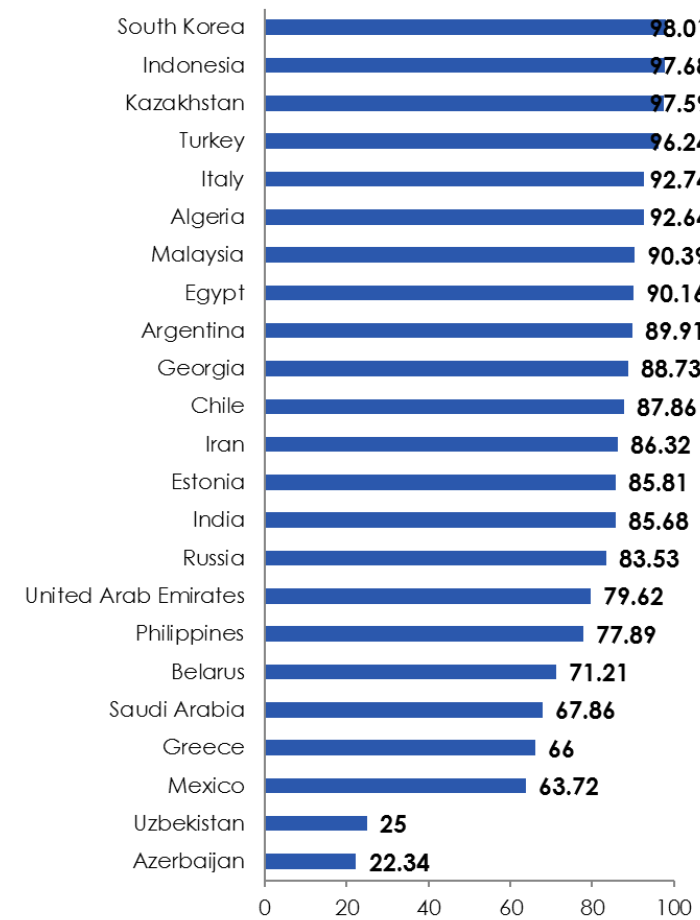


% patients assessed for rehabilitation within 72 hrs after admission

Nationally representative sample



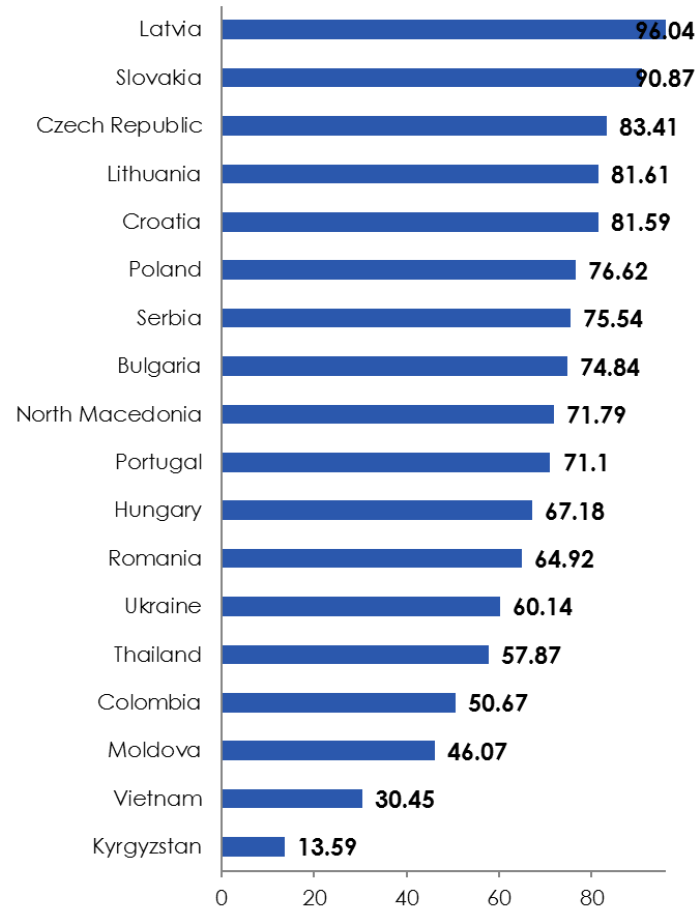
Site-level representative sample



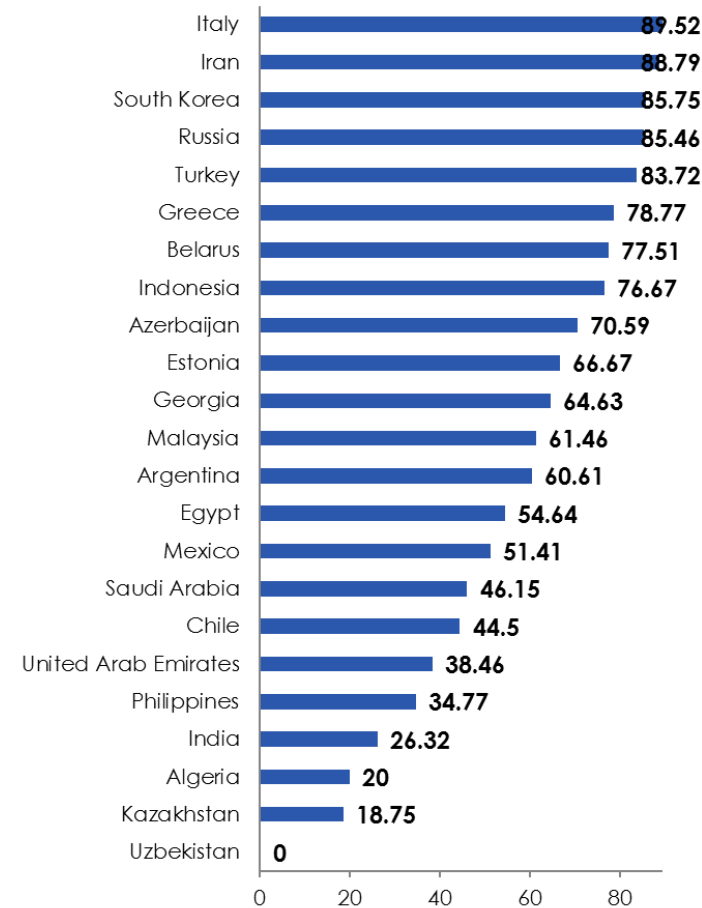
Prescription of anticoagulants for patients with AF

- Calculated out of number of patients with atrial fibrillation discharge alive -

Nationally representative sample



Site-level representative sample



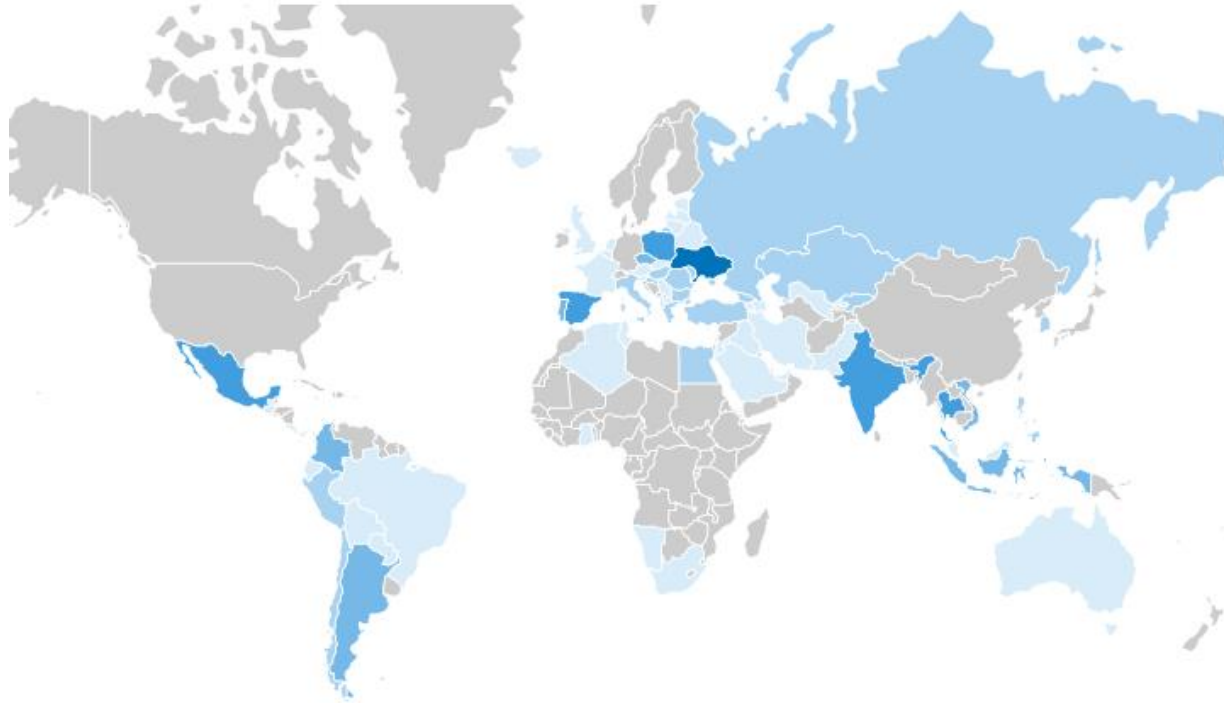
Conclusions



- we succeeded to establish management structure for international quality improvement program
- developed and implemented platform for quality monitoring and feedback
- measure stroke care quality with varying representativeness in 70 countries
- we laid foundations for implementation of European Stroke Action Plan

BIG THANK YOU

Everybody who contributed
.....there are many here and around the world



Thank you for your attention!
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