

## **EAN survey (European National Neurological Societies)**

The European Academy of Neurology (EAN) strives to identify the needs of the National Neurological Societies in Europe and their requirements from EAN in order to deepen the mutual relationships. We also want to get an overview on the current practice of Neurology in European countries and to recognize good practice examples that may be scaled-up, adapted and/or benefit from additional support. This is related to patient care, as well as education and training in General Neurology and possible gender differences amongst the neurologists.

Your answers to the following questions will help us to better plan the next steps in developing our Society and to become more efficient in the cooperation with and service for you.

For some questions, you are asked to provide precise data, which are to the best of your knowledge and professional standards, reflecting the reality.

With respect to the time and invaluable resources you have dedicated to cooperating with EAN on this research, **we offer you a prize** that is beneficial, both for you and your National Society's members.

Accomplishing this survey with success, which means providing all the required data to EAN, with respect to their accuracy and quality, will give you access to the following benefits:

- 3 *onsite* registrations for the EAN Congress 2022,
  - 10 *online* registrations for the EAN Congress 2022,
- to your National Society's members of your choice.

EAN relies on your support and appreciates your help with this important matter!

The collected data will be evaluated, and the outcome may be considered and presented in an article/report. To ensure data accuracy and provide feedback, this survey will be carried out with regular frequency, every 4-5 years.

This survey is composed of 64 questions and will take about 40 minutes to complete. It may be completed only once so we kindly advise you firstly to review all the questions using the pdf file, we have send you via email.

Please, if possible, fill out this survey by February 28, 2022.

Thank you & with best wishes,  
*Elena Moro, EAN Secretary General*

## Part I: Responder information

1) Please, provide the following data:

- Title
- First and Last Name
- Address
- Email

- 2) Which of the following National Societies are you representative?
- 3) Contact details (incl. email of the office, if applicable) of your National Society
- 4) Please, provide the address of your National Neurological Society's website
- 5) What is your role in your National Neurological Society?

## Part II: General information

- 1) How many neurologists do you have in your country?
  - a. Fully specialized
  - b. In training.
  - c. Other (please specify)
- 2) What percentage of neurologists in your country works predominantly as?
  - a. General neurologist
  - b. Specialist
- 3) Could you indicate the gender percentages?
  - a. Female:
  - b. Male:
  - c. Other:
- 4) Does your National Neurological Society have a specific policy or group (research group, study/working group, task force, etc.) as regards awareness of sex, gender, ethnic and racial differences in neurological disorders?
  - a. Sex/gender            Yes                            No        Group
  - b. Ethnic                    Yes                            No        Group
  - c. Racial differences    Yes                            No        Group
- 5) If you marked 'yes' please provide the following information:
  - Policy description:
  - Group details (name, contact data):
- 6) Is awareness of sex/gender, ethnic and racial differences in neurological disorders an essential component of the training programmes?
  - a. Sex/gender            Yes                            No

- |                       |     |    |
|-----------------------|-----|----|
| b. Ethnic             | Yes | No |
| c. Racial differences | Yes | No |

- 7) Does your country have guidance and effective implementation strategies in the reporting of sex and gender in:
- a) guidelines to neurological disorders (e.g.: stroke, migraine, multiple sclerosis, epilepsy)?
  - b) clinical studies (e.g.: stroke, migraine, multiple sclerosis, epilepsy)?
  - c) none of the above
- If yes, please specify
- 8) Are there research grants supporting studies on sex and gender differences in health care systems in your country?
- a. Yes
  - b. No
  - c. I am not aware
- 9) What percentage of neurologists in your country works predominantly?
- a. In hospital %
  - b. In private practice %
  - c. Mixed %
- 10) Are there any training centers in your country that are accredited at national or international level?
- a. Yes
  - b. No
  - c. If yes, please specify the number
- 11) Is the healthcare system in your country (Please provide the percentage):
- a. Public
  - b. Private
- 12) How many neurological inpatient facilities exist in your country and in what structure? (Please provide the number)
- a. Neurological departments in university setting
  - b. Neurological departments in general hospitals
  - c. General hospitals with neurological wards
  - d. Departments/Divisions of neurorehabilitation
  - e. Departments/Divisions of neurogeriatrics
  - f. Other (please specify)
- 13) With respect to membership of your society, can trainee neurologists join?
- i. Yes
  - ii. No

- 14) Is there a separate trainee category for the trainee neurologists (e.g. reduced rates)?
- i. Yes
  - ii. No
- 15) How many members does your society have (please answer all that apply)?
- i. Total number
  - ii. Board certified/fully accredited neurologists
  - iii. Trainees/residents

### Part III: Communication

- 1) Which of the following tools do you use to share information to your members?  
Please indicate all that apply.
- a. Webpage
  - b. E-Mail alerts
  - c. Newsletter
  - d. Society journal
  - e. National meetings
  - f. Regional meetings
  - g. Social media accounts
  - h. Other (please specify)
- 2) Which of the following Social Media Platforms is your national society using?
- a. Facebook
  - b. Twitter
  - c. Instagram
  - d. LinkedIn
  - e. None of the above, we are not active on social media
- 3) Does your society organise or participate in public awareness campaigns (e.g.: brain/brain health campaigns, how to recognize a stroke)?
- a. Yes
  - b. No
  - c. If yes, please indicate on what topics
- 4) What information would your society and its members like to receive from EAN?  
Please rate from **1** (very important) to **5** (not important at all)
- a. Scientific updates
  - b. New treatment alerts
  - c. Treatment guidelines
  - d. Diagnostic guidelines
  - e. Educational Grants and eLearning possibilities
  - f. Congress calendar

- g. Neuropolitical updates from EU and other societies
  - h. Press releases for raising public awareness (in your language)
  - i. Other
- 5) How important are the different ways of receiving information from EAN? Please rate from **1** (very important) to **5** (not important at all).
- a. EAN annual congress
  - b. EAN Webpage [www.ean.org](http://www.ean.org)
  - c. EAN pages ([www.eanpages.org](http://www.eanpages.org)) & monthly news mailing
  - d. European Journal of Neurology
  - e. EAN Participation in national meetings
  - f. EAN Social Media Channels
  - g. Please indicate other options which should be considered
- 6) Do you forward information from and about EAN to your society's members?
- a. Yes
  - b. No
  - c. If no, please specify why
- 7) Would you like to bring information / input from your national society to the EAN?
- a. Yes
  - b. No
- 8) If yes, which of the current possibilities are efficient:
- i. National delegate to the General Assembly
  - ii. National nominees to the Scientific Panels
  - iii. RRFS delegate (in committees, panels, national. Representatives meetings)
  - iv. EAN webpage
  - v. EAN pages
  - vi. Please indicate other options which should be considered

#### **Part IV: Education**

- 1) How many hours (on average) of pregraduate training in neurology do students receive in your medical schools?
- a. Face-to-face lectures
  - b. Practical courses
  - c. Others (Please specify and indicate in hours)
- 2) How long does full training in neurology take in your country? (Please indicate in months)
- a. Minimum Time from first medical graduation to commencing neurology specialist training

- b. Minimal training time spent in Neurology
- 3) Is there a compulsory continuing education for neurologists in your country?
- a. Yes
  - b. No
- 4) If yes, which types of continuing education are valid? (Please mark all that apply)
- a. National
  - b. International
  - c. Online
  - d. Other (please specify):
- 5) Are there other obligatory specialties you have to train in (please indicate in months)?
- a. Internal Medicine
  - b. Psychiatry
  - c. Clinical neurophysiology
  - d. General neurology
  - e. Other (please specify and indicate in months)
- 6) For what neurological subspecialties do you have defined training programs and how long do this take? (Please indicate in months)
- a. Stroke
  - b. Multiple sclerosis
  - c. Movement disorders
  - d. Epilepsy
  - e. Neuromuscular disorders
  - f. Headache
  - g. Sleep medicine
  - h. Dementia
  - i. Neurorehabilitation
  - j. Neuro-oncology
  - k. Neuro-otology disorders
  - l. Neuro-Ophthalmology
  - m. Neuro-Intensive care
  - n. Others
- 7) Please rate the proportion of the time during neurology training dedicated to sleep medicine training (in percent)?
- 8) Please rate the need for improvement of sleep medicine education in the neurology training (none-low-moderate-high)?
- 9) Having completed specialist training, are there any arrangements that apply in your country for revalidation/recertification?
- a. Yes

b. No

10) If 'Yes', please indicate in years

- a. Optional CME/CPD points system / interval (years):
- b. Obligatory CME/CPD points system / interval (years):
- c. Formal multisource reevaluation process (e.g. Obligatory CME/CPD, 360 feedbacks, portfolio of evidence) / interval (years):

11) If 'Yes' are there any other arrangements not mentioned? (comment box)

12) Which of the following options are important for postgraduate training (both trainees and fully trained) in your country? (Please indicate all that apply)

- a. Educational meetings in hospital
- b. Local/regional scientific meetings
- c. National meetings
- d. EAN congress
- e. International Meetings
- f. Scientific reading
- g. Web-based learning (eLearning)
- h. Please indicate other tools if important

13) Which of the following EAN activities are important for postgraduate training (both trainees & fully trained) in your country?

- a. Access to European Journal of Neurology
- b. Access to EAN e-Learning services such as webinars and masterclasses
- c. Clinical fellowship program
- d. Research fellowship program
- e. Regional Teaching Course
- f. Science school
- g. EAN-Day
- h. EAN Congress
- i. Please indicate other opportunities that should be offered

14) How many medical faculties/medical schools Universities exist in your country?

- a. Public
- b. Private

15) Does your national body have an established relation with the European Accreditation Council for Continuing Medical Education (EACCME®)?

- a. Yes
- b. No

16) For valid participation in international conferences, which of the following confirmations are necessary? (Please indicate all that apply)

- a. certificate of attendance
- b. certificate of attendance incl. a report of attended sessions with exact attendance times listed
- c. certificate of attendance incl. EACCME accreditation

17) Would you be interested to have an EAN accreditation (To host EAN fellows, UEMS visitation accreditation, etc.)

- a. Yes
- b. No

#### **Part V: Patient care**

1) Please indicate most frequent disorders which are treated as inpatients in hospitals with neurological ward / department in your country?

- a. Back pain
- b. Dementia
- c. Stroke
- d. Epilepsy
- e. Headache
- f. Movement disorders
- g. Multiple sclerosis
- h. Neuroinfection (Meningitis, Encephalitis, etc.)
- i. Muscle and neuromuscular junction disorders
- j. Neurooncological disorders
- k. Peripheral nerve disorder
- l. Sleep disorders
- m. Vertigo
- n. Other (please specify)

2) Please indicate most frequent disorders which are treated as outpatients in hospitals with neurological ward / department in your country?

- a) Back pain/radicular disorders
- b) Dementia
- c) Epilepsy
- d) Headache
- e) Movement disorders
- f) Multiple sclerosis
- g) Neuromuscular disorders
- h) Vertigo
- i) Sleep disorders
- j) Other

3) Please indicate most frequent disorders which are treated in neurological practice / private practice in your country?



- a. Back pain
  - b. Dementia
  - c. Epilepsy
  - d. Headache
  - e. Movement disorders
  - f. Multiple sclerosis
  - g. Neuroinfection (Meningitis, Encephalitis, etc.)
  - h. Muscle and neuromuscular junction disorders
  - i. Neurooncologic disorders
  - j. Peripheral nerve disorder
  - k. Stroke
  - l. Vertigo
  - m. Sleep disorders
  - n. Other
- 4) Which other physicians are taking care of patients with the most frequent diseases selected (tick all that apply)
- a. Primary care physicians
  - b. Neurologist Specialist
  - c. Geriatricians
  - d. Other (please specify)
  - e. None
- 5) Is your country active in the production of guidelines?
- a. Yes
  - b. No
- 6) To what proportion are the following guidelines used in your country?
- a. National guidelines 0-5-10- (...) -95-100 %
  - b. EAN guidelines %
  - c. AAN guidelines %
  - d. Other (please specify)
- 7) In the past, has your Society disseminated or made its members aware of (e.g. through newsletters, website, emails) EAN guidelines when these were published?
- a. Yes
  - b. No
  - c. if yes, which communication tool have you used (please specify)
- 8) Has your Society translated or assisted in the translation of EAN guidelines (or infographics related to guidelines) into your National Society language?
- a. Yes
  - b. No
  - c. If yes, please inform where this document can be found

- 9) How rapidly do you have access to new EMA approved drugs or evidence proven interventions in your country? ('very rapidly, almost immediately after approval' to 'not at all in most instances').
- 10) Which of the following diagnostic facilities are available in your country? If so, is there a shortage when having a safe clinical practice in mind?
- a. Computerised axial tomography (CT-head)
    - i. Yes
    - ii. No
    - iii. If yes, is there a shortage
      - 1. Yes
      - 2. No
  - b. Magnetic Resonance Imaging (MRI-brain)
    - i. Yes
    - ii. No
    - iii. If yes, is there a shortage
      - 1. Yes
      - 2. No
  - c. Electroencephalography (EEG)
    - i. Yes
    - ii. No
    - iii. If yes, is there a shortage
      - 1. Yes
      - 2. No
  - d. Electromyography
    - i. Yes
    - ii. No
    - iii. If yes, is there a shortage
      - 1. Yes
      - 2. No
  - e. Polysomnography/Sleep-wake tests
    - iv. Yes
    - v. No
    - vi. If yes, is there a shortage
      - 1. Yes
      - 2. No
  - f. Vascular Ultrasound
    - i. Yes
    - ii. No
    - iii. If yes, is there a shortage
      - 1. Yes
      - 2. No
  - g. Echocardiogram
    - i. Yes
    - ii. No
    - iii. If yes, is there a shortage
      - 1. Yes
      - 2. No
  - h. Genetic testing
    - i. Yes

- ii. No
  - iii. If yes, is there a shortage
    - 1. Yes
    - 2. No
- i. PET scan
  - i. Yes
  - ii. No
  - iii. If yes, is there a shortage
    - 1. Yes
    - 2. No
- j. Nerve biopsy
  - i. Yes
  - ii. No
  - iii. If yes, is there a shortage
    - 1. Yes
    - 2. No
- k. Polysomnography
  - i. Yes
  - ii. No
  - iii. If yes, is there a shortage
    - 1. Yes
    - 2. No
- I. SUDOSCAN
  - i. Yes
  - ii. No
  - iii. If yes, is there a shortage
    - 1. Yes
    - 2. No
- m. Muscle biopsy
  - i. Yes
  - ii. No
  - iii. If yes, is there a shortage
    - 1. Yes
    - 2. No

11) Which special neurological treatment facilities do you have in your country?

- a. Stroke units
  - i. Yes
  - ii. No
- b. Neurological intensive care units
  - i. Yes
  - ii. No
- c. Neurorehabilitation
  - i. Yes
  - ii. No
- d. Dementia clinics
  - i. Yes

- ii. No
- e. MS clinic
  - i. Yes
  - ii. No
- f. Movement disorder clinics
  - i. Yes
  - ii. No
- g. Botulinum-toxin clinic
  - i. Yes
  - ii. No
- h. Epilepsy monitoring
  - i. Yes
  - ii. No
- Sleep clinics/centers
  - i. Yes
  - ii. No
- i. Pain clinic
  - i. Yes
  - ii. No
- j. Telemedicine facilities
  - i. Yes
  - ii. No
- k. Others? (please specify)

12) Do your patients have access to special interventions?

- a. Deep brain stimulation
  - i. Yes
  - ii. No
- b. Endovascular stroke treatment
  - i. Yes
  - ii. No
- c. Epilepsy surgery
  - i. Yes
  - ii. No
- d. Ultrasound for movement disorders
  - a. Yes
  - b. No
- e. Others? (Please specify)

## Part VI: Summary

- 1) How could EAN best support you to assure finest neurological care in your country?
  - a. Facilitation of peer learning/good practice sharing between NNS
  - b. Preparation of Advocacy/Communication materials
  - c. Support with European Health Data Sharing
  - d. Professional Development of Neurologists
  - e. Assisting to establish national surveys/Surveying the availability of neurological care and workforce
  - f. Other (Please specify)
  
- 2) In completing this questionnaire, which of the following groups within your national society, did you consult? (Please indicate all that apply):
  - a) National Health Policy Makers
  - b) Practitioner Neurologists,
  - c) Coordinators,
  - d) Colleagues,
  - e) Departments
  
- 3) Please indicate if this questionnaire has NOT covered any items that you would like to communicate or should be important to EAN.