

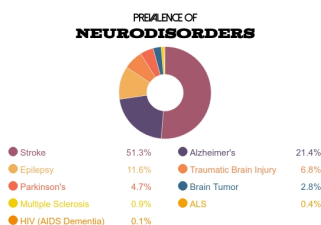
# Explore Contemporary advancements in Neurology and Neuroscience

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Overall growth in the industry of medical science has been elevated due to its superior outcomes. In neurology over the last 15 years many complex diseases, disorders are treated successfully. This optimistic approach has given many pharmaceutical, contract research organizations a will to develop more drugs and clinical testing. This era the sophistication of clinical laboratories, clinical researchers and modern nano research enhance the market of neurology Mortality rate from the neurological disorders form 1990 to 2015 was increased by 37%

Alzheimer’s disease (2.4%), Parkinson’s Disease (15.7%), brain disorders and nervous system cancers (8.9%). motor neuron disease (3.1%). More number of death rate is happening in the rural areas .

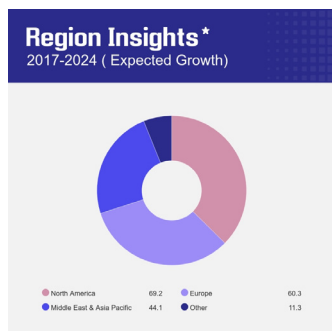
Investors put more effort in brain imaging, radiology and neural engineering from context to practical application due to its high efficiency. Neurological devices seem to have an elevated position in graph.



Source: US pharmacist\*

### Regional Insights

Asia pacific and middle east regions market is vigorously growing still, North American and European regions tops the list by 2018. Many governmental and non-governmental organizations are taking initiative in a way of funding thus leading to expansion of brain-related and neuroimaging research focused facilities



### Market Value of Neurological research

The Global neurology market contributes to \$34.5 billion which includes major countries such as US (74%), Europe (64%), japan (8.3%), and UAE (7.8%).

Recent advancements in neuro science have shown the entry of technology into the field which had reduced the complexity of neurological examination, neurosurgery and other types of neuro treatments. The future for neuro robotics has a wide spread network which will in turn enhance the robotic market in a supportive way and hence showing a steep rise in the market.

CAGR of the international neuroscience is expected to reach an increase of 3.5% from 2018 to 2024. The neurology market has reached a market value of USD 26,457 million in 2017 and expected to reach USD 40,000 million by 2025.

Market Sectors

### National Institute for Health Research

The Faculty members of NIHR including senior investigators and fellowships received £100m. In 2016/17, NIHR had a total research cost of £958.9m, research programmes- £208.9m and on infrastructure-£618.9m. Meningitis Research Foundation

The charity awards project grants only limit of £150,000 for consecutive 5 years. According to guideline, the most of grants awarded are in the range of £60,000 – £100,000.

### NINDS Funding Strategy- FY 2018

Omnibus Appropriations Bill of 2018-The NINDS Appropriation for FY 2018 is approx. \$1,605,205,000, which shows an increase of \$17.2 Million. The increase of \$12.3 M to be spend for upcoming projects related to the BRAIN initiative

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