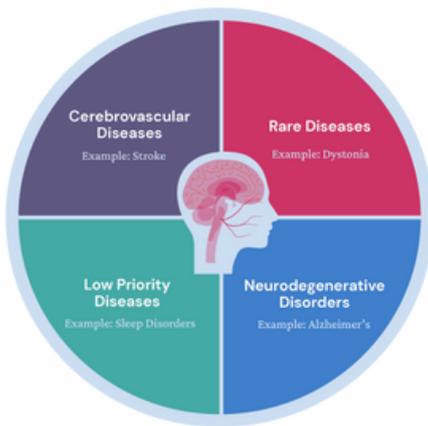


ANNEX: WHAT ARE NEUROLOGICAL DISORDERS AND WHAT IS THEIR COLLECTIVE BURDEN



Neurological disorders are conditions of the central and peripheral nervous system – all connected to the brain. They include neurodegenerative disorders like Alzheimer’s and Parkinson’s disease, cerebrovascular diseases including stroke, neuro-immunological disorders such as multiple sclerosis, brain tumours, traumatic disorders due to head trauma, infectious diseases like meningitis, and neurological disorders as a result of malnutrition. They also encompass diseases such as migraine and epilepsy, as well as many rare and neglected diseases. There are more than 400 neurological diseases!

What is their burden?

Neurological disorders are the **leading cause of Disability Adjusted Life Years (DALYs)** and the **second leading cause of global deaths**.

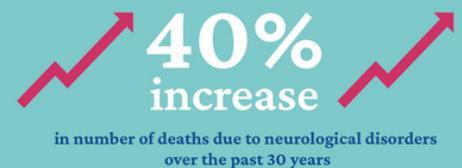
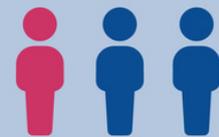
In 2019, **9 million people died** due to neurological disorders.¹ Over the past 30 years, the number of deaths due to neurological disorders has **increased by almost 40%**.²

The NCD Countdown 2030 stated that the risk of dying from neurological conditions between birth and 80 years of age increased for more than half of countries³, making them the **fastest-growing cause of death among NCDs**.

One in three people has a neurological disorder at some point in their lifetime worldwide.⁴

The cost of neurological disorders in Europe alone was **336 billion euros annually in 2010**. This is **more than all other priority NCD area combined**.⁵

1 in 3 people



It is the
2nd leading cause of death worldwide

€336 billion
The cost of neurological disorders in Europe in 2010

Has there been any progress?

Incredible advances and breakthroughs have been made in the last decades in terms of both better understanding the human brain, as well developing new therapies that can treat a growing range of neurological disorders. We are at an inflexion point that calls for a comprehensive and cross-sectoral approach to neurological disorders at the global and regional level.

¹ Global, regional, and national burden of neurological disorders, 1990–2016: a systematic analysis for the Global Burden of Disease Study 2016, Feigin, Valery L et al. The Lancet Neurology, Volume 18, Issue 5, 459 – 480

² Global, regional, and national burden of neurological disorders, 1990–2016: a systematic analysis for the Global Burden of Disease Study 2016 Feigin, Valery L et al. The Lancet Neurology, Volume 18, Issue 5, 459 – 480

³ NCD Countdown 2030: pathways to achieving Sustainable Development Goal target 3.4; link

World Health Organization, Consolidated report by the Director-General, A73/5; 12 May 2020: 8–12

⁴ The economic cost of brain disorders in Europe. Eur J Neurol. 2012; 19(1):155–62 (ISSN: 1468–1331). For comparison with other disease areas see: Economic burden of cancer across the EU: a population-based cost analysis (2009); European Cardiovascular

⁵ Disease Statistics (2012); Economic Impact of Diabetes (2010)