

Neurovascular Disease is the Second Leading Cause of Death in the United States (US): A Modern Disease Burden Analysis



Purpose: To evaluate the impact on attributable death and disability after the re-classification of cerebrovascular disease in Neurologic Disorders based on classification by modern pathophysiology.

Trial Design: Analysis of the WHO Global Burden of Disease Project 2015 data

Primary Endpoints: Death and disability (disability-adjusted life years lost - DALYs) due to reclassification

Change in # due to reclassification	US Impact		Global Impact	
Deaths attributable to Neurologic Disorders	Increased from 326,000 to 490,000	50.5% increase	Increased from 2.3 million to 8.6 million	280% increase
DALY's lost	Increased from 87.1 million to 205.7 million	37.3% increase	Increased from 87.1 million to 205.7 million	136% increase

Use of modern pathophysiology addresses the national and global burden of neurovascular disease – finds it # 2 cause of US death and the 4th leading worldwide cause of disability.