
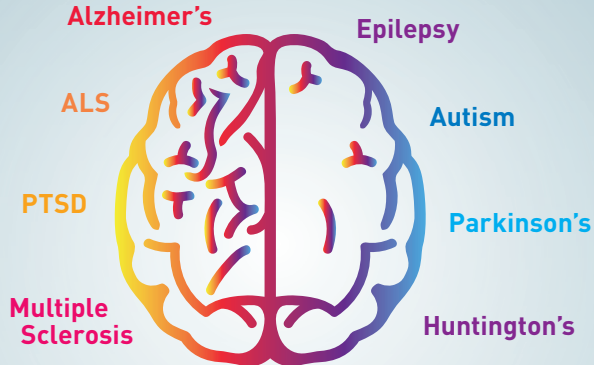



 **5.2%** of people **over the age of 60** are living with dementia globally
World Alzheimer's Report 2015

Worldwide, the number of people with dementia is projected to nearly triple by 2050—from **50 million** to **135 million**
World Health Organization, 2017

 Global cost estimates for dementia care from 2015 to 2030 will more than double—from **US\$818 billion** to **US\$2 trillion**
World Alzheimer's Report 2015


Investing in the Brain

This month's cover story (p. 24) looks at optogenetics, a field of neuroscience helping to advance our understanding of the differences between the healthy and diseased brain. As the world population ages, knowledge of neurodegenerative diseases is becoming increasingly important. Countries around the world are investing large sums of money to develop new technologies toward a lifelong healthy brain—but much more is needed.



World Brain Initiatives

<p>U.S. BRAIN Initiative LAUNCH: 2013 BUDGET: >US\$4 billion FUNDING: NIH, HHMI and Kavli Foundation AIM: Develop innovative tools for brain research to provide fresh insights into how the brain records, stores and retrieves huge quantities of information</p>	<p>E.U. Human Brain Project LAUNCH: 2013 BUDGET: €1 billion FUNDING: European Union member countries AIM: Develop next-generation super-computers to further our understanding of the brain</p>	<p>Japan Brain/MINDS LAUNCH: 2014 BUDGET: US\$310 million FUNDING: AMED AIM: Use the marmoset, a New World primate with a short life cycle and a brain that is similar to the human brain, for functional and structural brain mapping and genetic studies</p>	<p>China Brain Project LAUNCH: 2016 BUDGET: not yet defined FUNDING: not yet defined AIM: Use the rhesus macaque, an Old World primate, to develop models of human diseases; study genetic information/records of Chinese population for information about risk factors for disease</p>	<p>South Korea Brain Initiative LAUNCH: 2018 BUDGET: US\$350 million FUNDING: not yet defined AIM: Construct two specialized brain maps by 2023—one for the healthy brain and another that diagrams the changes in the aging brain</p>
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 **Toward a global initiative:** In December 2017, representatives of several of the major world brain projects announced the creation of an International Brain Initiative to coordinate global efforts.

Source: www.kavlifoundation.org; World Alzheimer report 2015; World Health Organization dementia fact sheet 2017 / Infographic by Alessia Kirkland