

cognitive reserve theory and pdf

What is cognitive reserve? Theory and research application of the reserve concept YAAKOV STERN
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Neurology, Psychiatry, ... [Cognitive reserve. reserve.

CRITICAL REVIEW What is cognitive reserve? Theory and

Brain and Cognitive Reserve. These two observations are examples of two types of reserve: brain reserve
and cognitive reserve. In the original formulations of the brain reserve model, reserve derives from brain size
or neuronal count.

Cognitive Reserve: Implications for Assessment and

Cognitive and Brain Reserve. The concept of reserve has been put forward to account for individual
differences in susceptibility to age-related brain changes and pathologic changes such as those that occur in
Alzheimer's disease.

Cognitive reserve in ageing and Alzheimer's disease

Cognitive reserve may be based on more efficient utilization of brain networks or of enhanced ability to recruit
alternate brain networks as needed. A distinction is suggested between reserve, the ability to optimize or
maximize normal performance, and compensation, an attempt to maximize performance in the face of brain
damage by using brain ...

What is cognitive reserve? Theory and research application

Cognitive reserve describes the brain's ability to maximize cognitive performance through the use of
alternative neural networks and cognitive strategies (Stern 2002 Scarmeas et al. 2003).

(PDF) What is cognitive reserve? Theory and research

The cognitive reserve hypothesis posits that individual differences in the flexibility and adaptability of brain
networks underlying cognitive function may allow some people to cope better with ...

(PDF) Cognitive reserve - ResearchGate

Cognitive reserve. Brain reserve is defined as a neurological phenomenon where (1) the available brain
volume affects the development of brain diseases and injuries (i.e., neurological brain reserve) and (2) mental
activity across the life-span allows flexible cognitive resource allocation despite the occurrence of neural
dysfunctions (i.e., behavioral brain reserve).

Cognitive reserve - an overview | ScienceDirect Topics

The theory of cognitive reserve attempts to explain why some individuals are more resilient to age-related
brain pathology. Efforts to explore reserve have been hindered by measurement difficulties.

Quantifying Cognitive Reserve in Older Adults by

Cognitive Reserve, Aging and AD ¶ Two individuals who appear the same clinically, whether demented or
non-demented, can have widely divergent levels of underlying age-related

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