



Top Tips for Brain Health at Any Age

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The Problem:

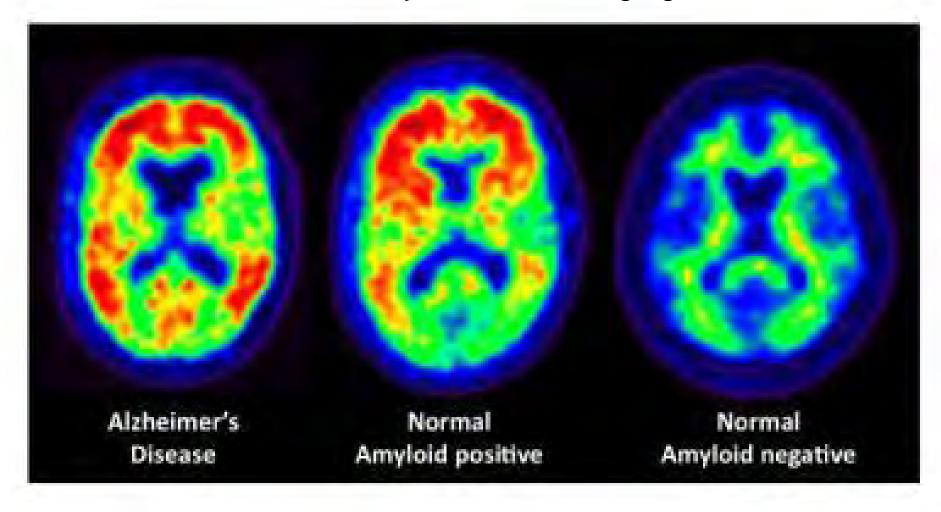
Aging negatively affects the brain



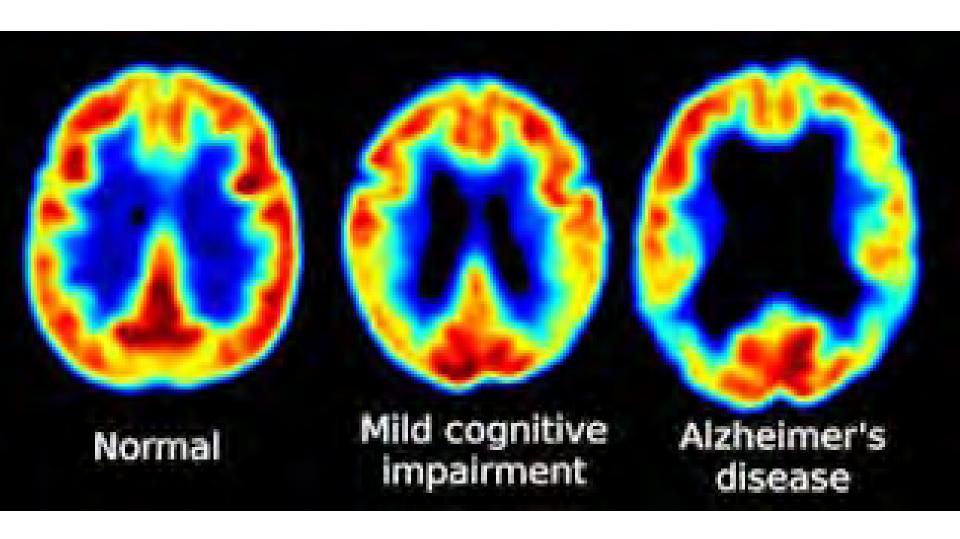
This is your brain...



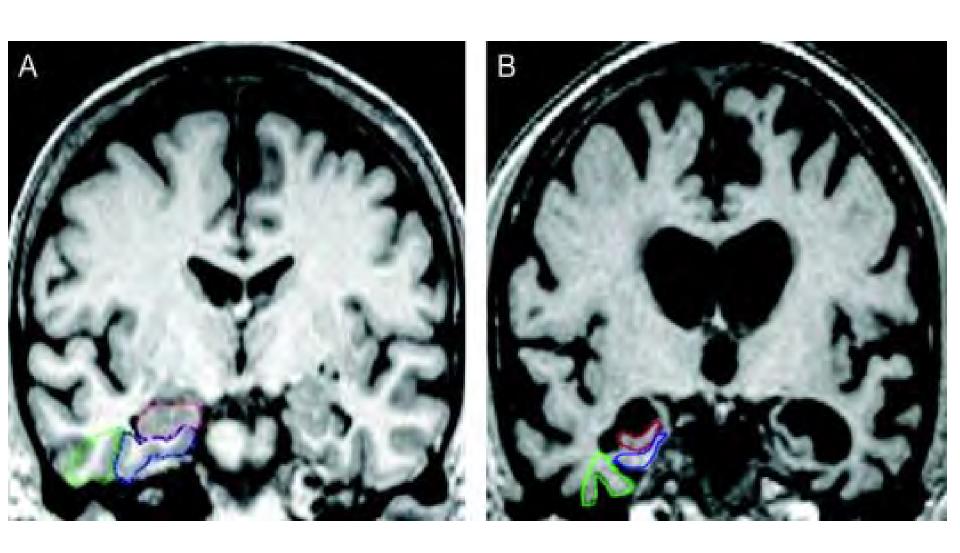




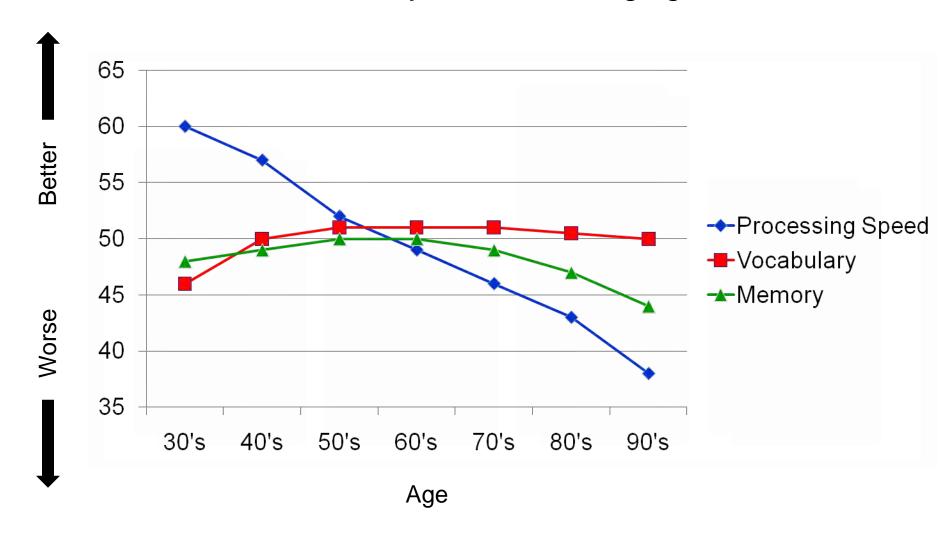
Accumulation of amyloid deposits



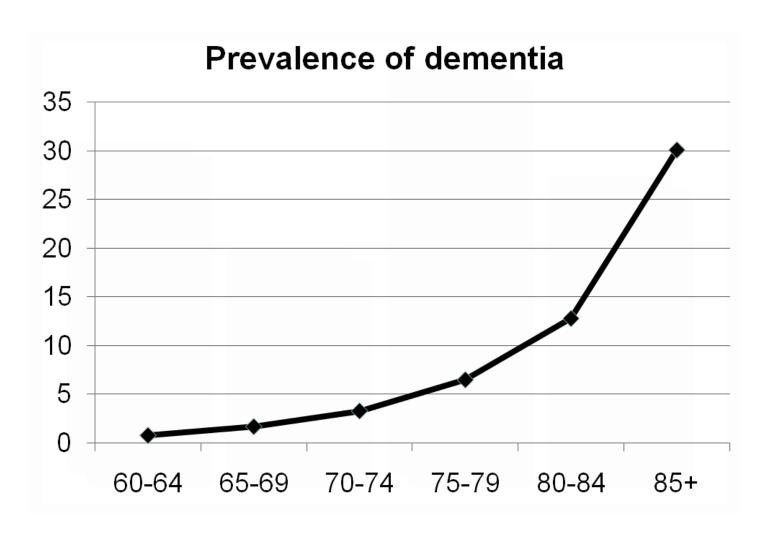
Reduction of brain metabolism



Death of brain cells



Decline in thinking skills



Increased risk of dementia

The Solutions:

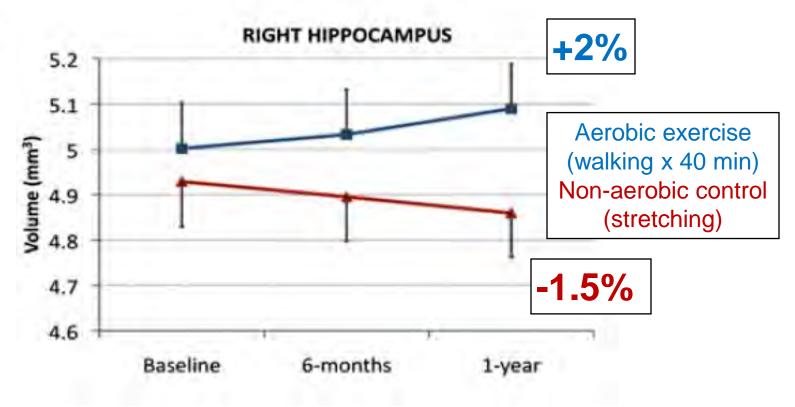
Lifestyle changes to improve brain fitness



Hippocampus

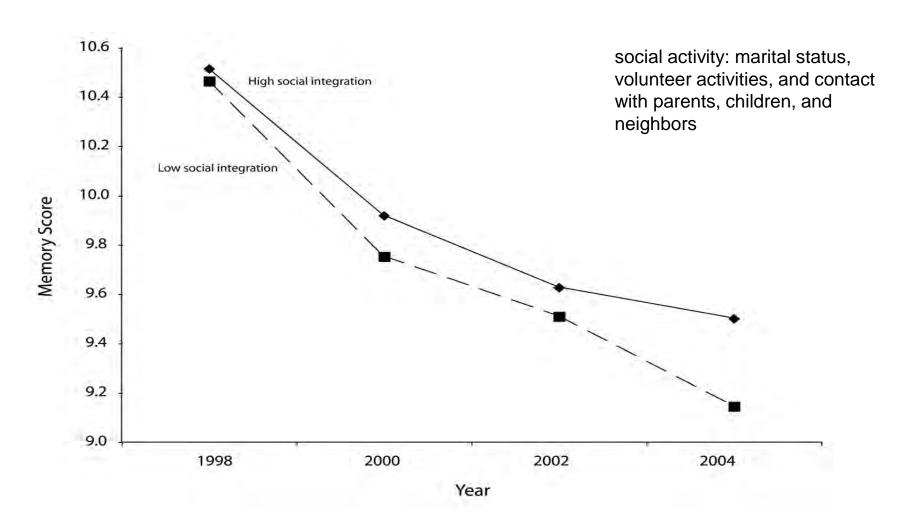
Take a walk!





120 65+ yo cognitively healthy randomly assigned to 12 month program

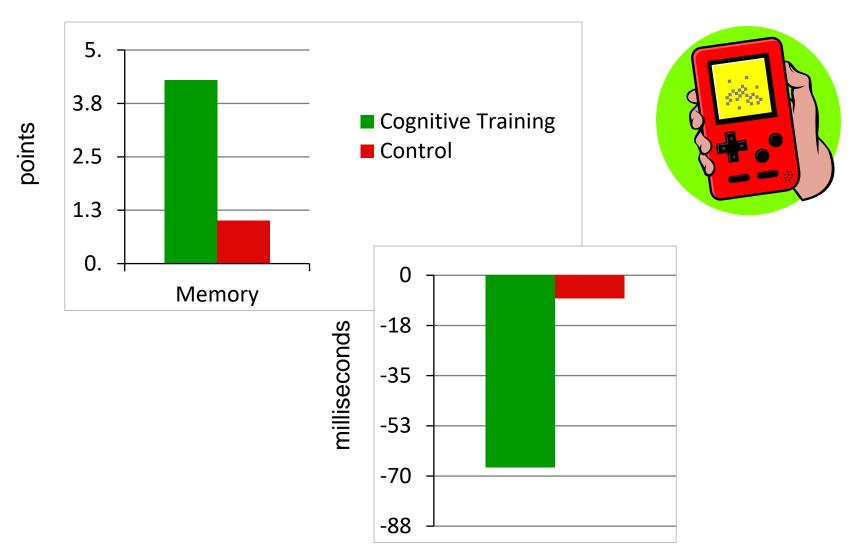
Make some friends



N = 11000, 50+ years old, living in community

Ertel, K. A. et al. Am J Public Health (2008)

Play more video games

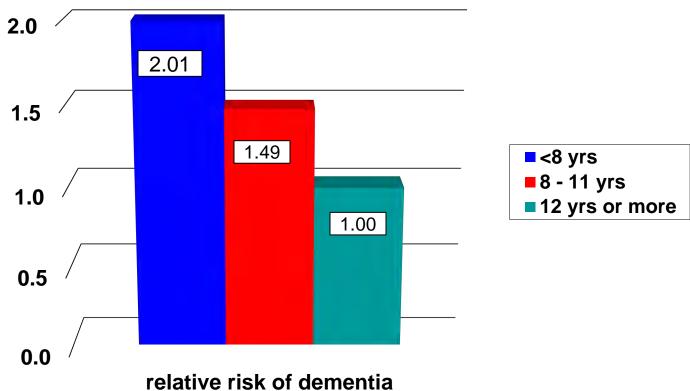


N = 487, 65+ years old, cognitively intact

Processing Speed

Go back to school

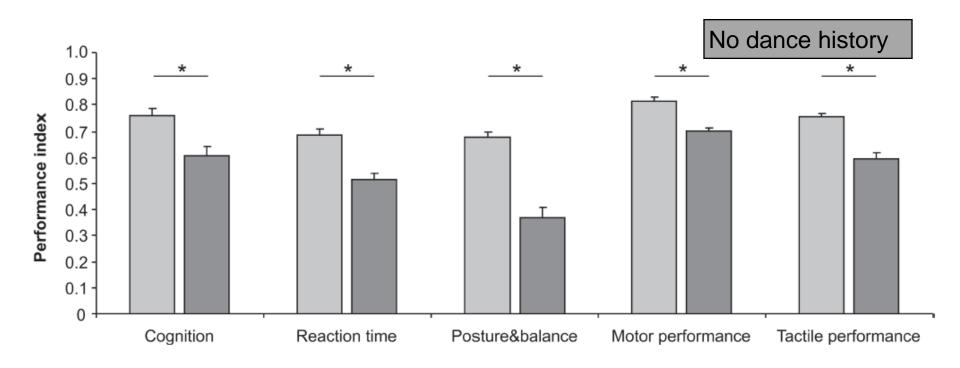






Dance!

Amateur dancers





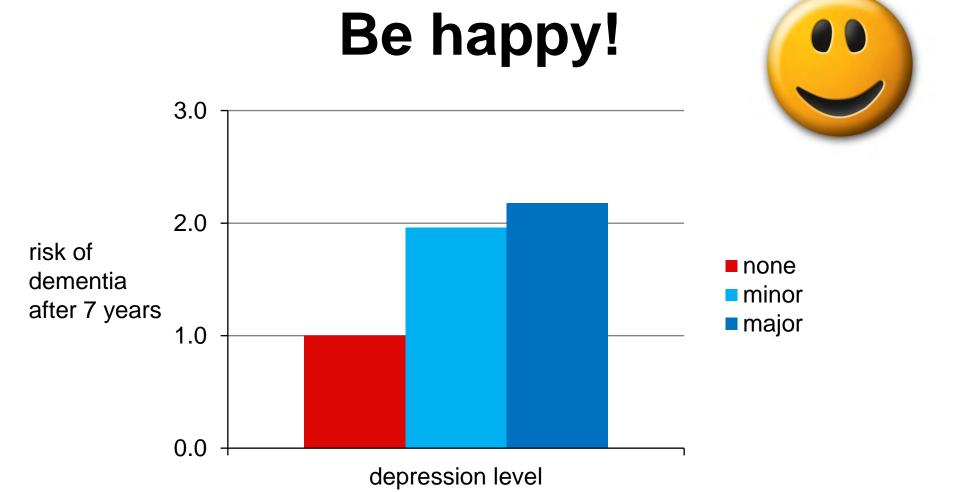








Kattenstroth et al. (2010)



281,540 veterans aged 55 years and older without dementia at study baseline



Wear a helmet!



 Although findings are equivocal, most experts agree that brain injuries probably put you at risk for later neurodegenerative problems, like dementia





Jellinger et al. (2001), Launer et al. (1999)



Get some new genes!



	Rate of dementia in first degree relatives
General population	1 – 2%
Late onset Alzheimer's disease	2%
Early onset Alzheimer's disease	7%

McMurtray et al. (2006)

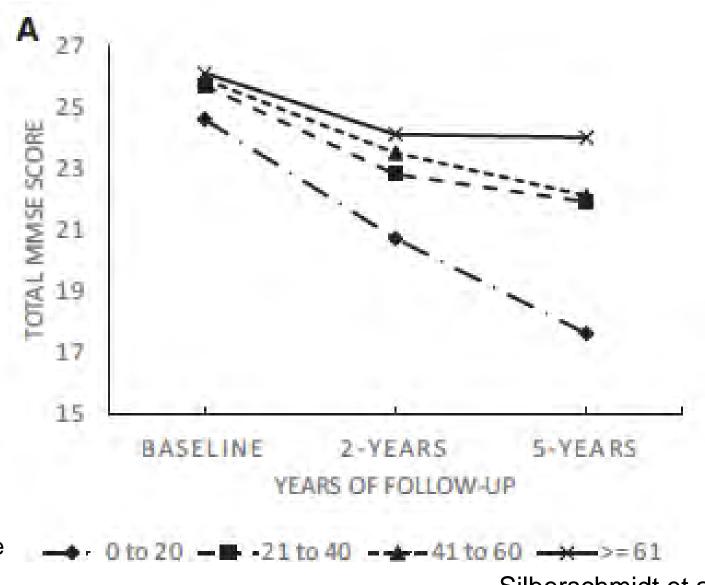


Lose that spare tire

Obesity (even in middle age) increases risk of dementia



Get out of the house



Life Space Mobility

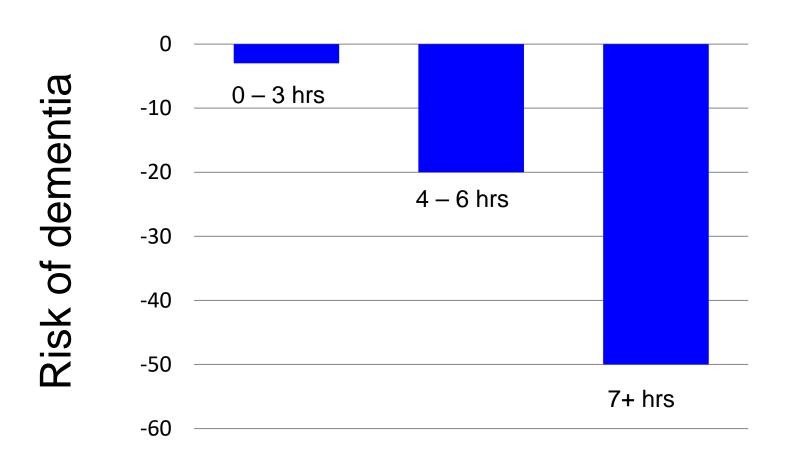
Silberschmidt et al. (2017)

Visit your doctor



- Managing chronic medical concerns can reduce risk of dementia
 - High blood pressure increases risk of dementia
 by 2 4 times
 - Type 2 (adult onset) diabetes is associated
 with 1.5 2.5 times the risk of dementia

Get a hobby



UFE EXTENSION" "For Longer Life." Cognitex W/o Pregnenologe Dietary Supplement 75 CAOSLOS

Beware Snake Oil

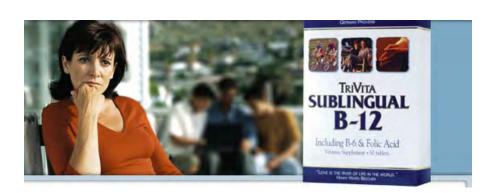
















Other Lifestyle changes for a healthy brain



- Proper nutrition
- Get plenty of sleep
- Stop smoking



Tease your brain more than your hair

- Think differently, not harder
 - Challenge your mind to think in novel ways (e.g., "out of the box")



Conclusion

- Aging affects the brain and its functions in a number of adverse ways
- There are many things you can do to improve brain fitness
 - Physical
 - Cognitive
 - Social
- For more information, https://www.ohsu.edu/brain-institute/alzheimers-disease-resources-patients-and-families