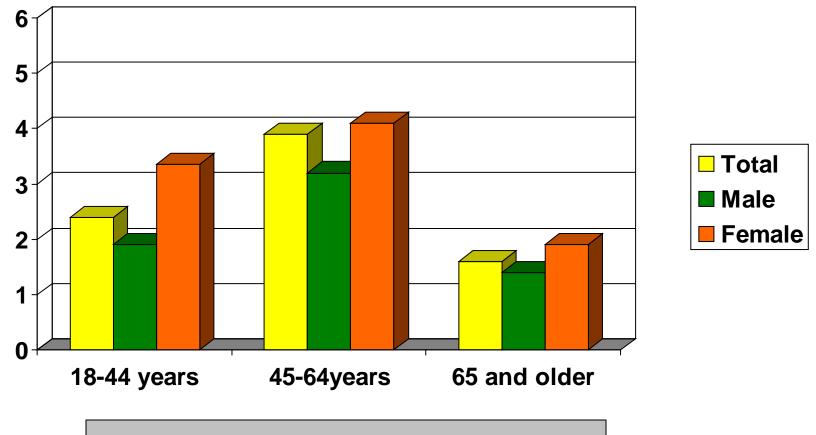
Shifting Temporal Horizons Influence Motivation Across Adulthood

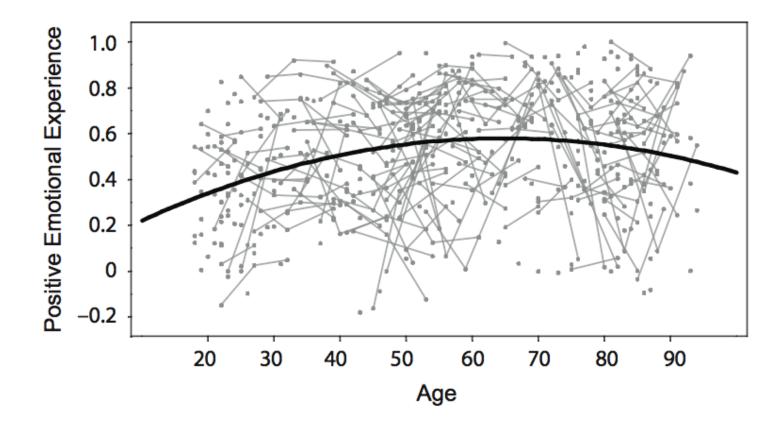
Laura L. Carstensen Stanford University



National Health Interview Survey: Percent reporting Serious Psychological Distress



Centers for Disease Control and Prevention, 2003



Carstensen, Turan, Scheibe, Ram, Ersner-Hershfield, Samanez-Larkin, Brooks, & Nesselroade <u>Psychology and Aging (2010)</u>

Socioemotional Selectivity Theory

Carstensen, 1993; Carstensen et al., 1999; Carstensen, 2006)

- Humans are uniquely able to monitor time – including lifetime -and do so at both conscious and subconscious levels.
- Goals are always set in temporal contexts.
- Because chronological age is associated with time left in life, goals change across the life span.





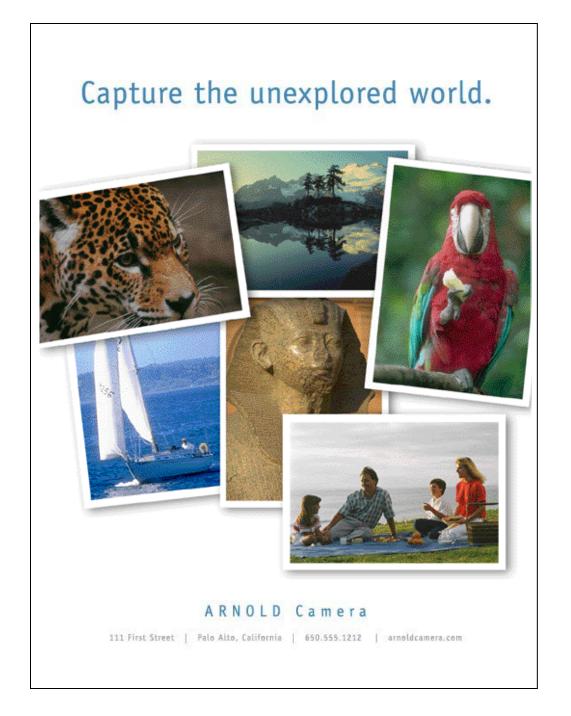
- Expand horizons
- Acquire knowledge
- Meet new people
- Take chances

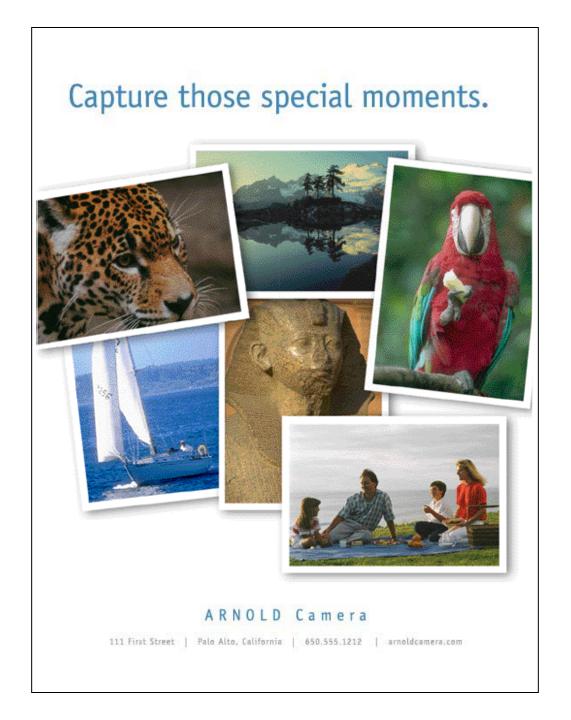


- Live in the moment
- Know what's important
- Invest in sure things
- Deepen relationships
- Savor life

Time horizons influence preferences

- When time horizons are manipulated experimentally, preferences change systematically. Younger people show preferences similar to the old when time horizons are shortened and older people show preferences similar to the young when time horizons are expanded. (Fredrickson & Carstensen, 1990; Fung, Carstensen & Lutz, 1999; Fung, Lai & Ng, 2001)
- When natural occurrences, such as personal illnesses, epidemics, political upheavals, or terrorism prime endings, preferences of the young come to resemble those of the old (Carstensen & Fredrickson, 1998; Fung et al. 1999; Fung & Carstensen, 2006)





Success is within reach. Don't let time pass you by.



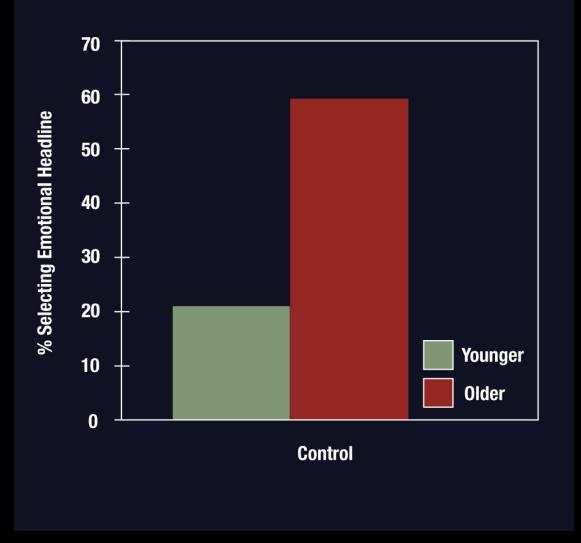
LESTER WATCHES

Take time for the ones you love. Don't let time pass you by.

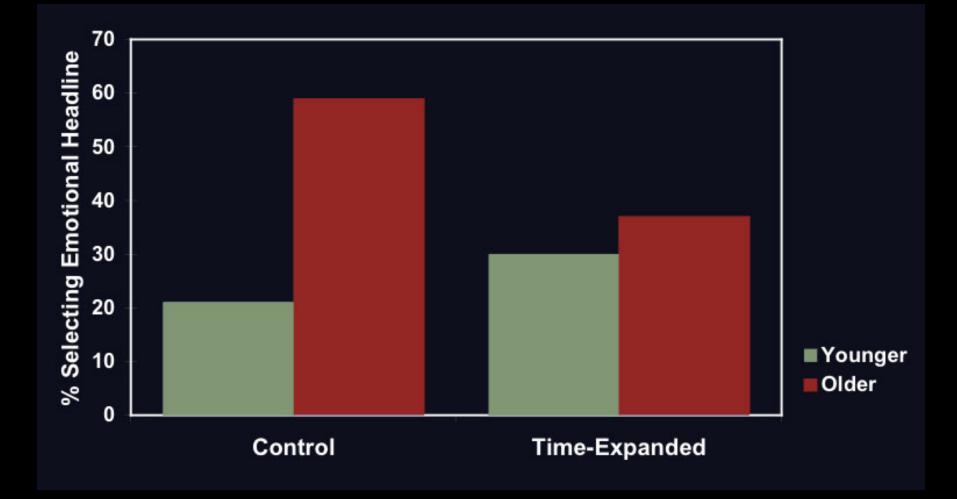




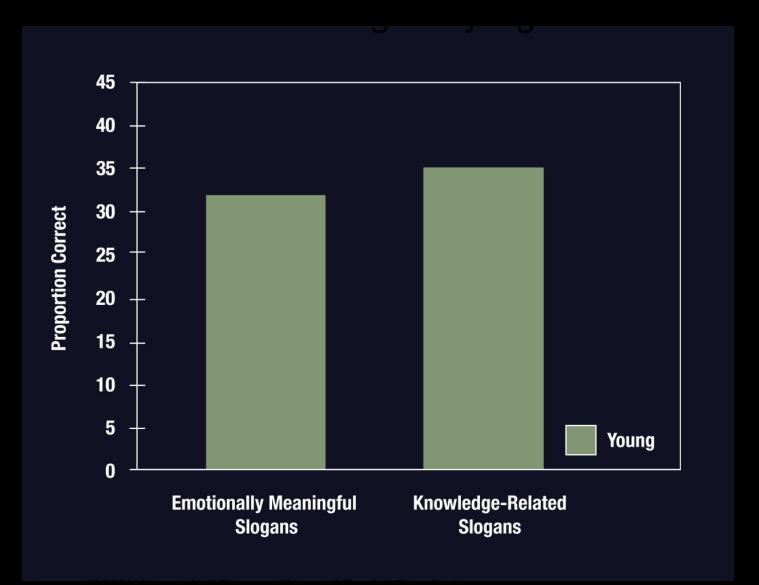
ces for Emotional Ads by Age



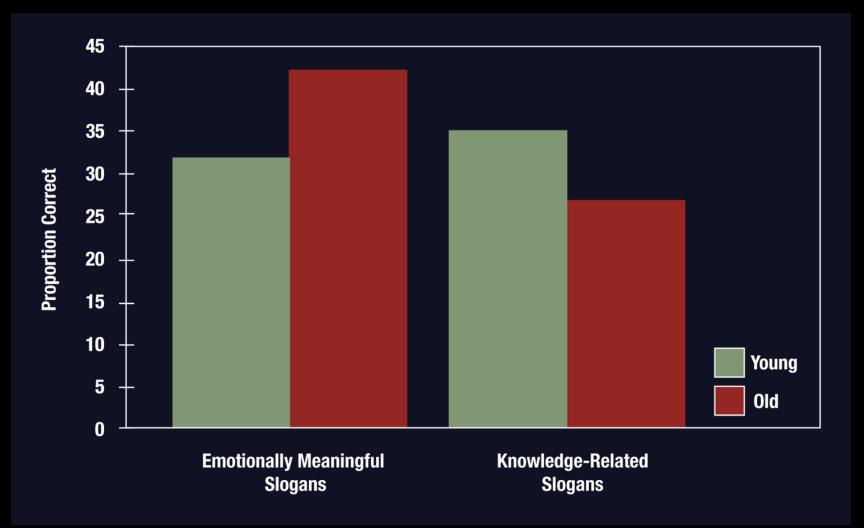
Fung & Carstensen (2003) Journal of Personality and Social Psychology



Fung & Carstensen (2003) Journal of Personality and Social Psychology



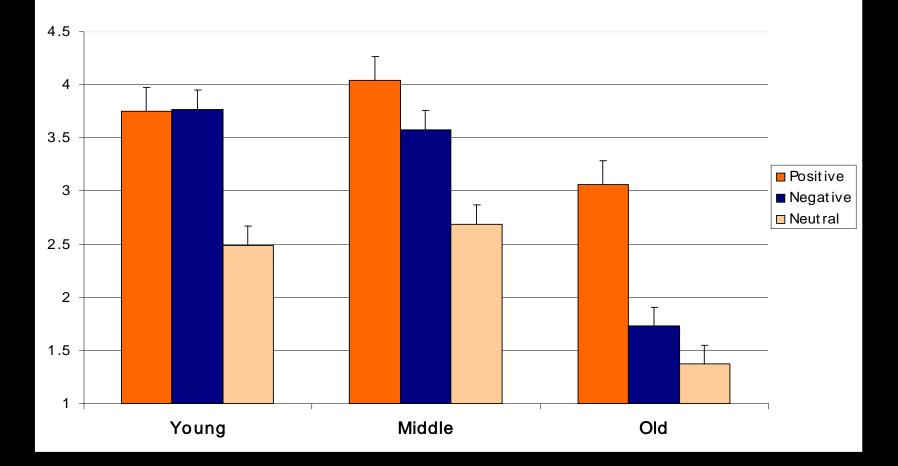
Fung & Carstensen (2003) Journal of Personality and Social Psychology

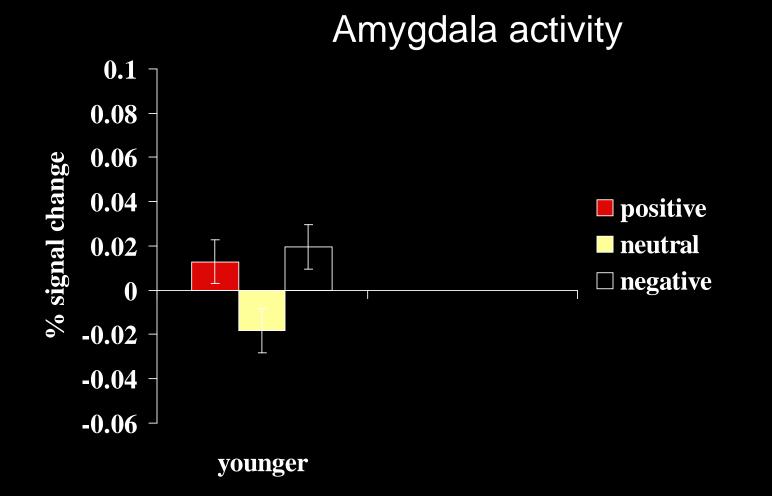


Fung & Carstensen (2003) Journal of Personality and Social Psychology

In subsequent studies we identified a relative preference among older people for positive information over negative. We postulate that there is a developmental shift in motivation across adulthood in which a preference for negative information becomes a preference for positive information (Charles, Mather & Carstensen, 2003; Mather & Carstensen, 2003; Mather & Carstensen, 2005; Carstensen, Mikels & Mather, 2006; Lockenhoff & Carstensen, 2008). We call this shift the "positivity effect."

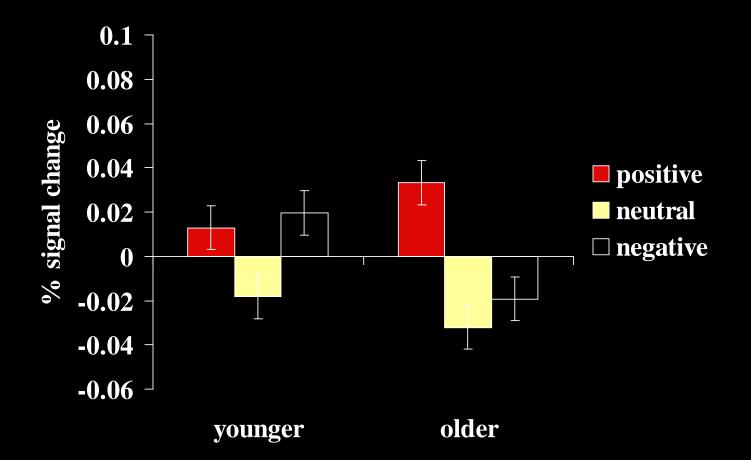




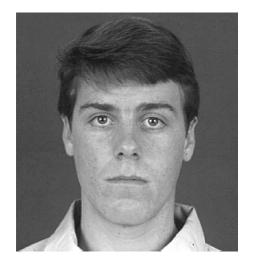


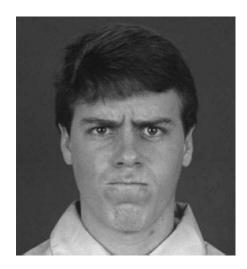
Mather, Canli, English, Whitfield, Wais, Ochsner, Gabrieli & Carstensen, <u>Psychological Science</u>, 2004

Amygdala Activity

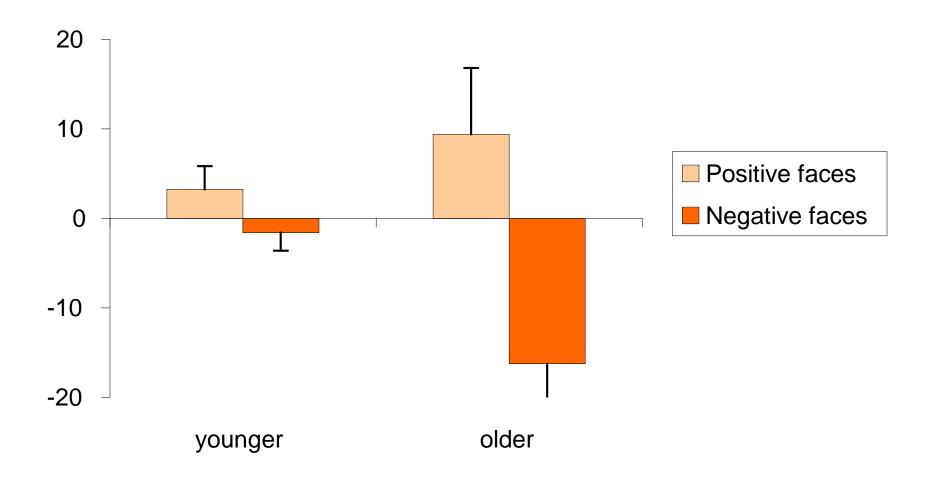


Mather, Canli, English, Whitfield, Wais, Ochsner, Gabrieli & Carstensen, <u>Psychological Science</u>, 2004

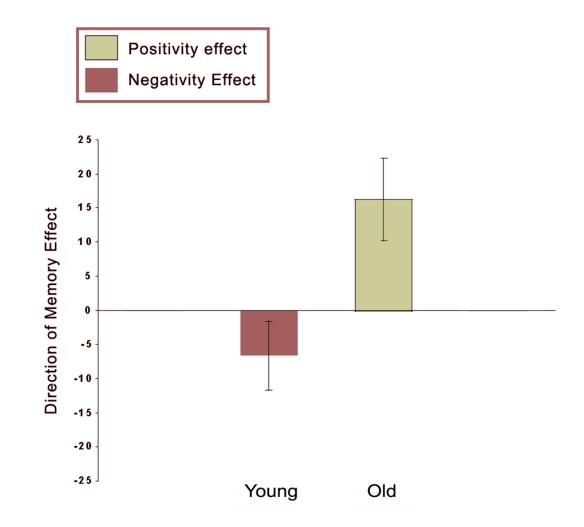




Attentional bias scores



Mather & Carstensen (2003) Psychological Science



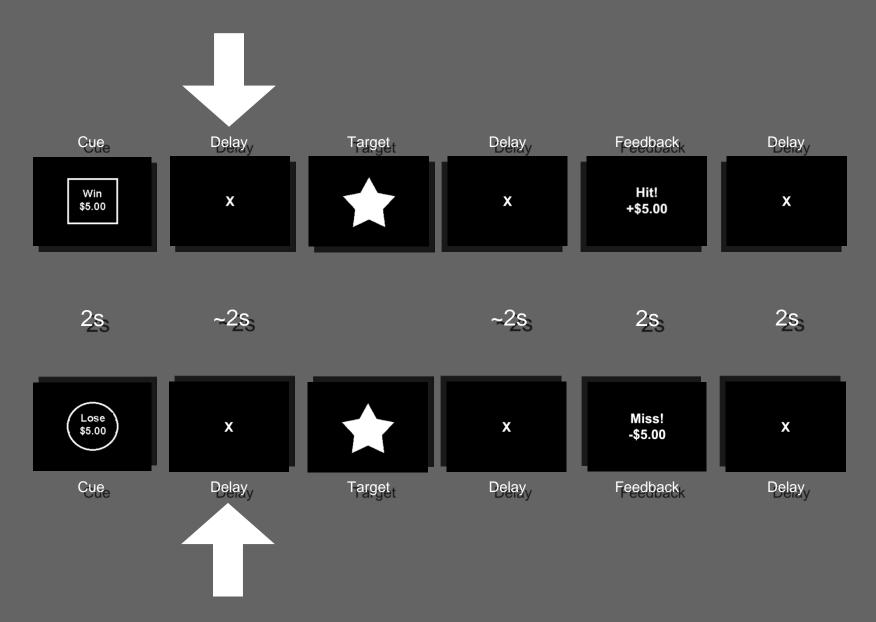
Kennedy, Mather & Carstensen (2004) Psychological Science



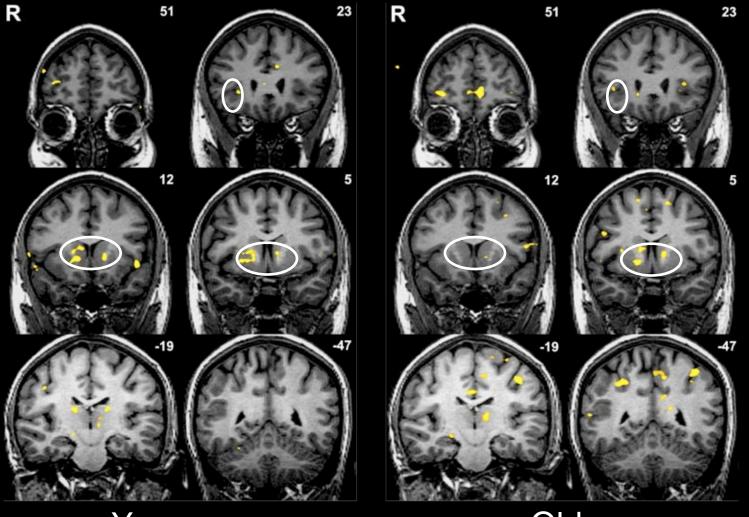
What are the costs and benefits associated with the positivity effect?

Does the positivity effect influence anticipatory responses to monetary gains and losses?





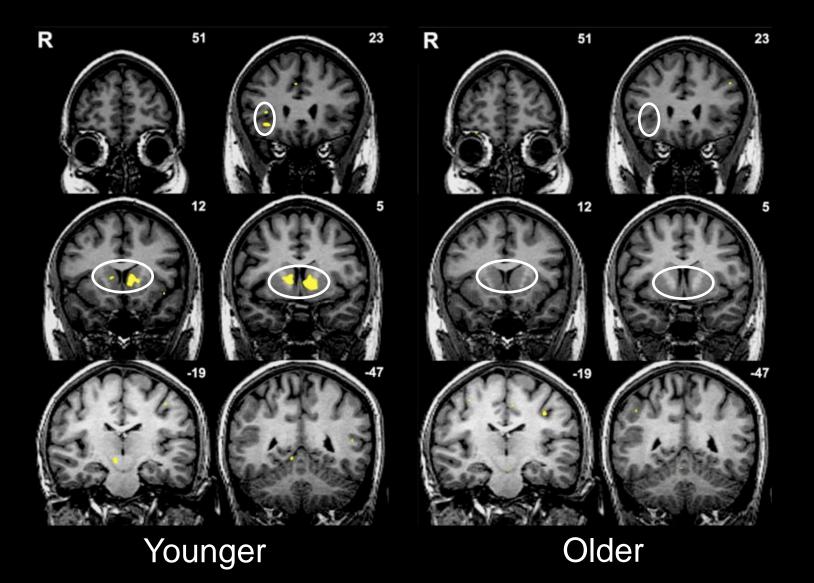
Gain Anticipation



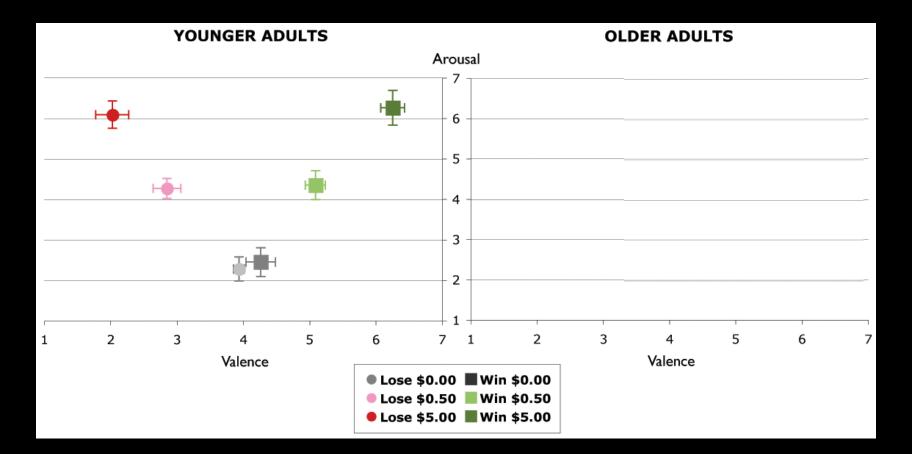
Younger

Older

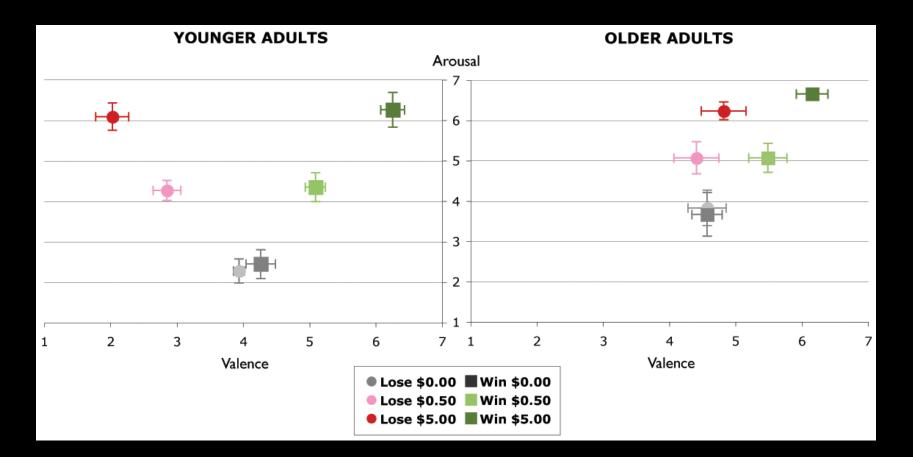
Loss Anticipation



Cue Ratings

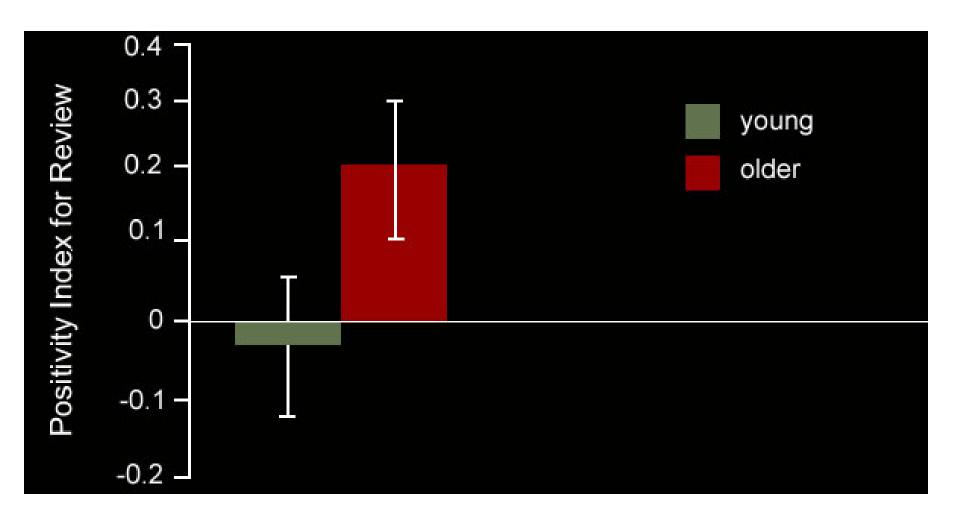


Cue Ratings

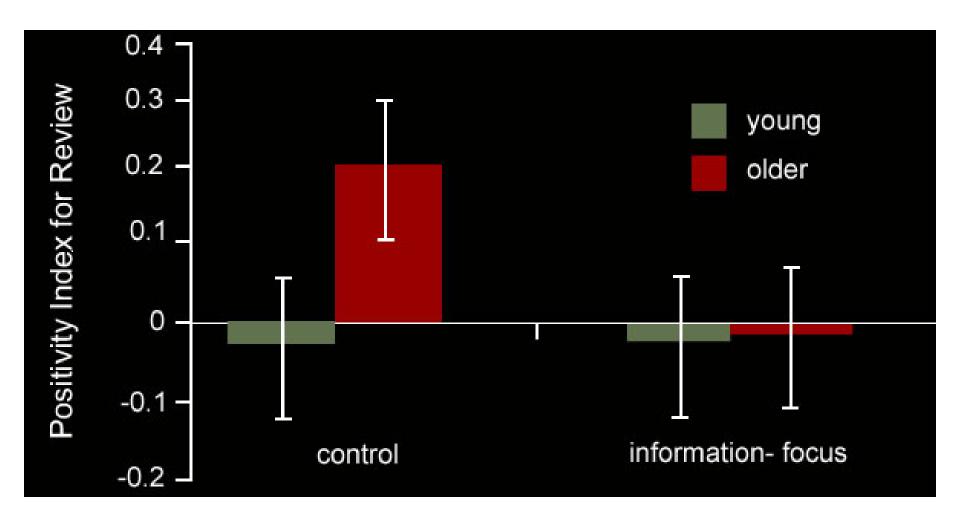


	Preventative Care	After- hours Care	Prescription Drugs	Appointment Availability	Consumer Satisfaction
Plan A					
Plan B					
Plan C					
Plan D					

Löckenhoff & Carstensen, Psychology and Aging, 2007

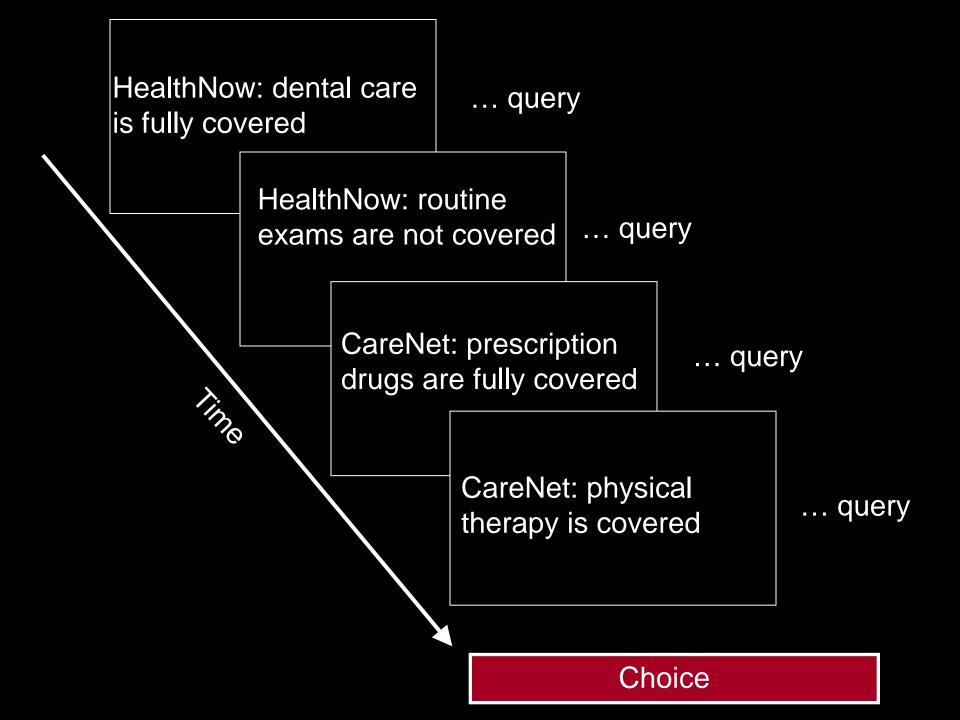


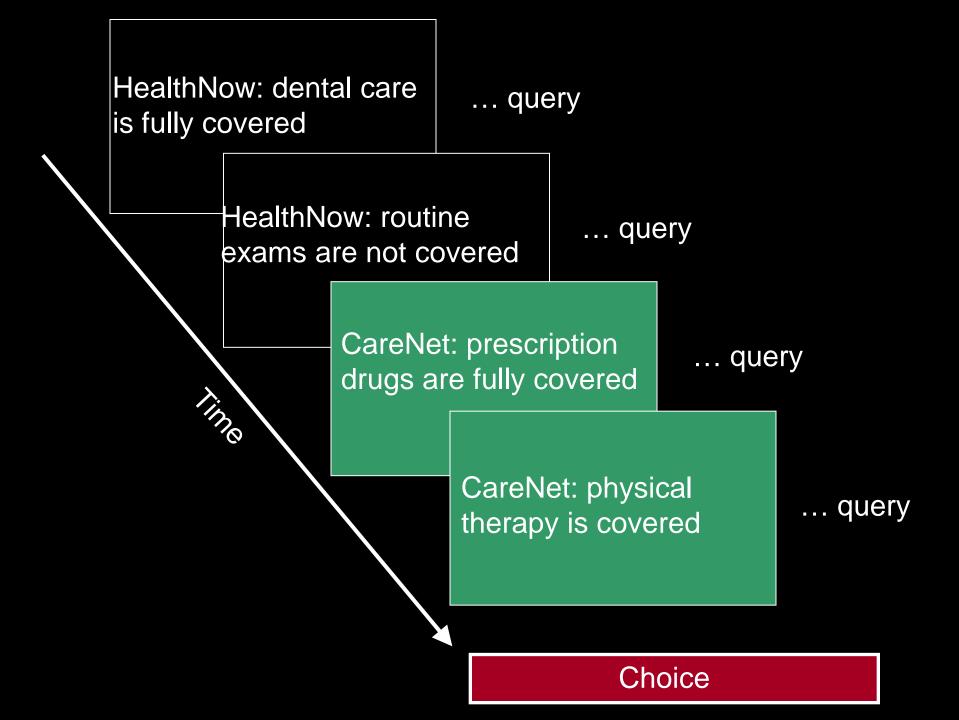
Löckenhoff & Carstensen, Psychology and Aging, 2007

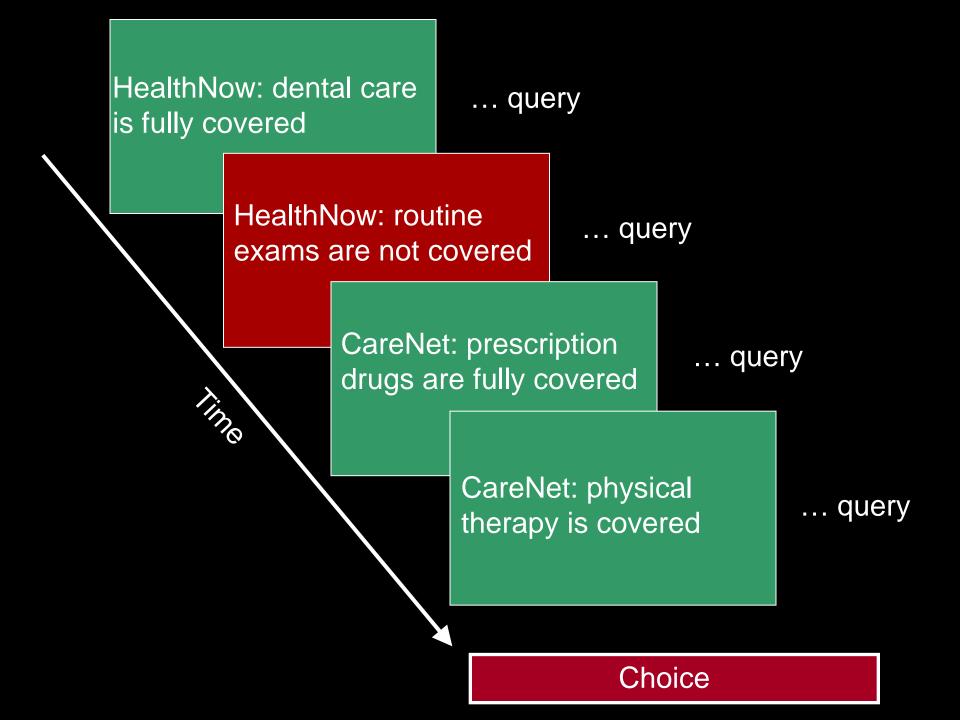


Löckenhoff & Carstensen, Psychology and Aging, 2007

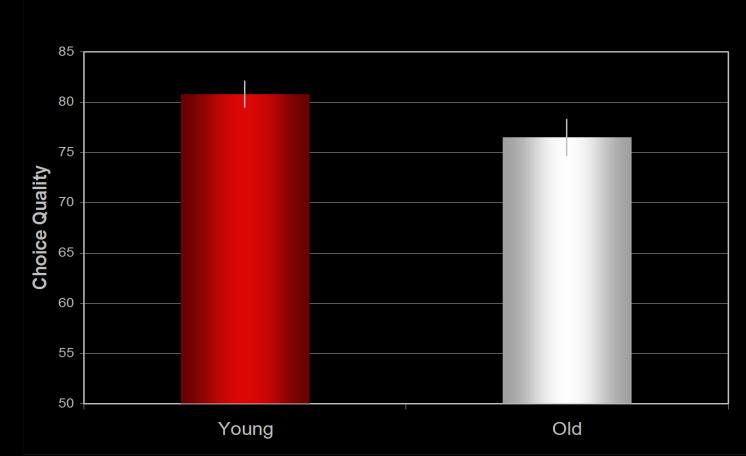
If older adults focus on their feelings versus the information when making decisions, will they make better choices?







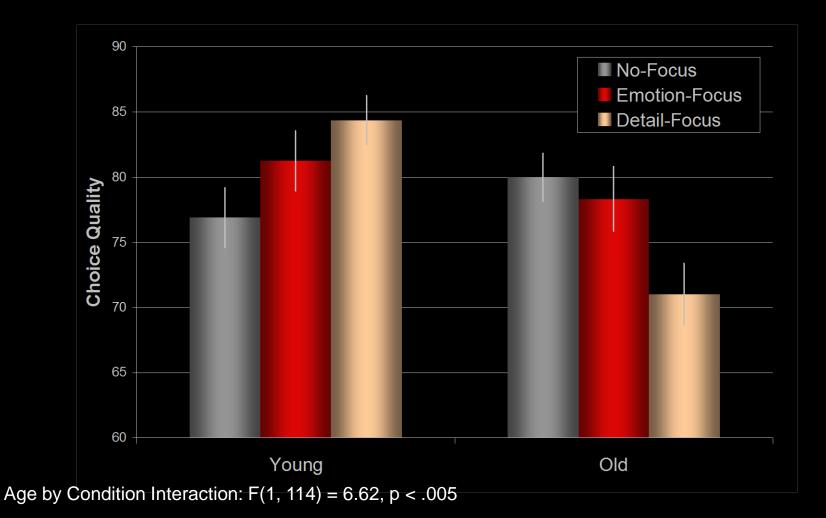
Choice Quality



Main Effect of Age: F(1, 114) = 5.49, p < .05</p>

Mikels, Lockenhoff, Maglio, Goldstein, Garber & Carstensen, <u>Journal of Experimental Psychology</u>, 2010

Choice Quality



Mikels, Lockenhoff, Maglio, Goldstein, Garber & Carstensen, Journal of Experimental Psychology, 2010

Shifting Temporal Horizons Influence Motivation Across Adulthood

Laura L. Carstensen Stanford University

