

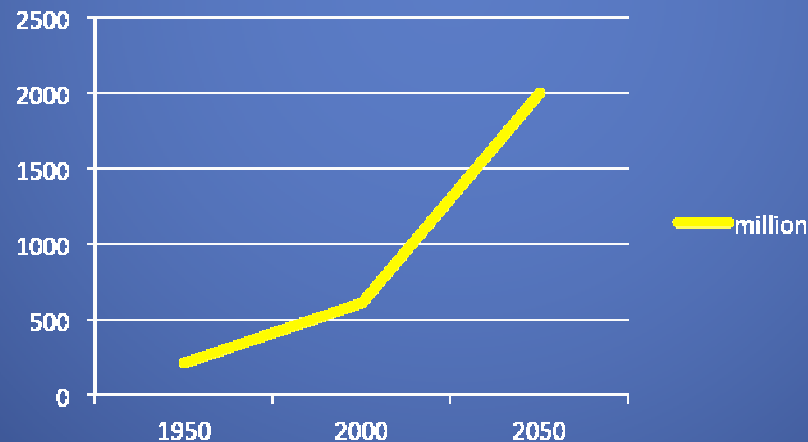
Adjusting for the Cognitive Effects of Normal Aging in the Work Place

Janet Leathem & Bridget Burmester



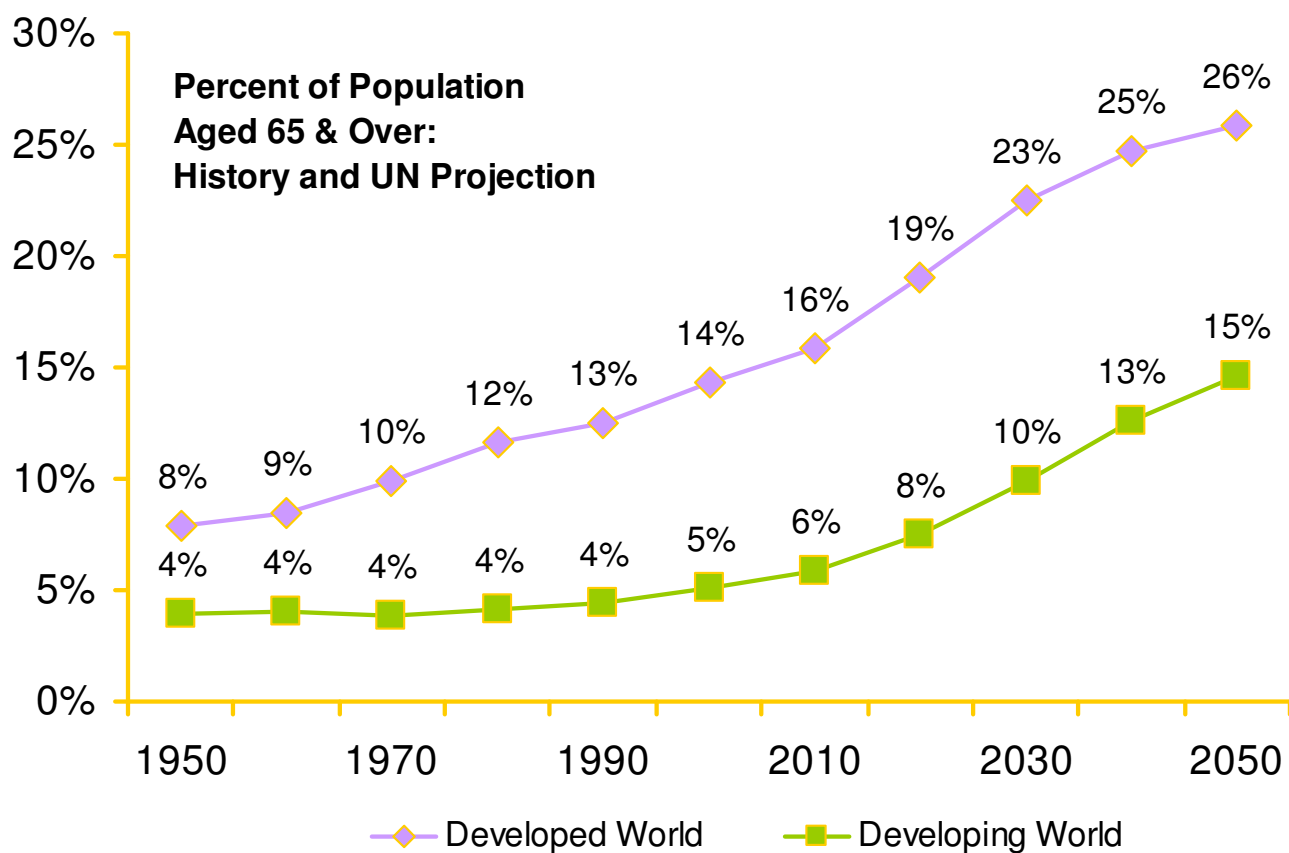
Demographics

- Population of older individuals (60+) rose from 205 million in 1950 to 606 million in 2000 (UN, 2002). Projected to reach the 2 billion mark by 2050.



Demographics

WHO Trends in Global Ageing



Source: UN (2005)

Demographics

Population % over 65 years

INTERNATIONAL COMPARISONS WITH OUR TOP FIVE VISITOR SOURCE COUNTRIES

Subject	Unit	New Zealand	Australia	United Kingdom	United States	China, PR	Japan
Total population (estimated)	Million	4.43	22.02	63.05	313.85	1,343.24	127.37
Annual rate of population change	Percent	0.63	1.13	0.55	0.90	0.48	-0.08
Male life expectancy at birth	Years of life	79.1	79.5	78.1	76.1	72.8	80.6
Female life expectancy at birth	Years of life	82.8	84.5	82.4	81.1	77.1	87.4
% of population aged 65+ years	Percent	13.8	14.4	16.9	13.5	9.1	23.9
% of population aged under 15 years	Percent	20.1	18.2	17.3	20.0	17.4	13.5
CPI change (annual)	Percent	1.0	1.2	2.7	1.9	2.9	0.2
GDP per capita (rounded) ⁽¹⁾⁽²⁾	US\$	26,100	40,800	36,500	48,300	8,400	34,700
Unemployment as % of labour force ⁽¹⁾	Percent	6.6	5.1	8.1	9.0	6.5	4.6
Employment as % of working-age population ⁽¹⁾	Percent	72.6	72.7	70.4	66.6	74.2 ⁽³⁾	70.3

1. Data for 2011. All other data is from 2012. 2. New Zealand data for year ended March. Other data for year ended June. 3. 2010. Sources: www.stats.govt.nz, www.cia.gov, www.stats.oecd.org, www.imf.org, World Bank

CONTACT US
 Statistics New Zealand
 210 Victoria Street
 Wellington 6142
 Email: info@stats.govt.nz
 Phone: (0064) 04 375 7676
 0800 553 380
www.stats.govt.nz

New Zealand in Profile 2013
 An Overview of New Zealand's
 People, economy, and environment

Statistics New Zealand
 An official content provider to
 The Government of New Zealand
 Produced with the assistance of
 The Department of Internal Affairs

The information in this brochure is compiled from publicly available data. The Department of Internal Affairs is not responsible for any errors or omissions. Data is for illustrative purposes only and may not be used for legal or financial purposes.

Stay Updated on Government
 Follow us on Twitter
 @statsnz
 Like us on Facebook
 facebook.com/statsnz
 Scan the QR code
 to visit our website

Demographics

Life expectancy

INTERNATIONAL COMPARISONS WITH OUR TOP FIVE VISITOR SOURCE COUNTRIES

Subject	Unit	New Zealand	Australia	United Kingdom	United States	China, PR	Japan
Total population (estimated)	Million	4.43	22.02	63.05	313.85	1,343.24	127.37
Annual rate of population change	Percent	0.63	1.13	0.55	0.90	0.48	-0.08
Male life expectancy at birth	Years of life	79.1	79.5	78.1	76.1	72.8	80.6
Female life expectancy at birth	Years of life	82.8	84.5	82.4	81.1	77.1	87.4
% of population aged 65+ years	Percent	13.8	14.4	16.9	13.5	9.1	23.9
% of population aged under 15 years	Percent	20.1	18.2	17.3	20.0	17.4	13.5
CPI change (annual)	Percent	1.0	1.2	2.7	1.9	2.9	0.2
GDP per capita (rounded) ⁽¹⁾⁽²⁾	US\$	26,100	40,800	36,500	48,300	8,400	34,700
Unemployment as % of labour force ⁽¹⁾	Percent	6.6	5.1	8.1	9.0	6.5	4.6
Employment as % of working-age population ⁽¹⁾	Percent	72.6	72.7	70.4	66.6	74.2 ⁽³⁾	70.3

1. Data for 2011. All other data is from 2012. 2. New Zealand data for year ended March. Other data for year ended June. 3. 2010. Sources: www.stats.govt.nz, www.cia.gov, www.stats.oecd.org, www.imf.org, World Bank

CONTACT US
 Statistics New Zealand
 211 Victoria Street
 Wellington 6142
 Email: info@stats.govt.nz
 Phone: (0064) 04 375 7676
 0800 553 7676
www.stats.govt.nz

New Zealand in Profile 2013
 An Overview of New Zealand's
 People, economy, and environment

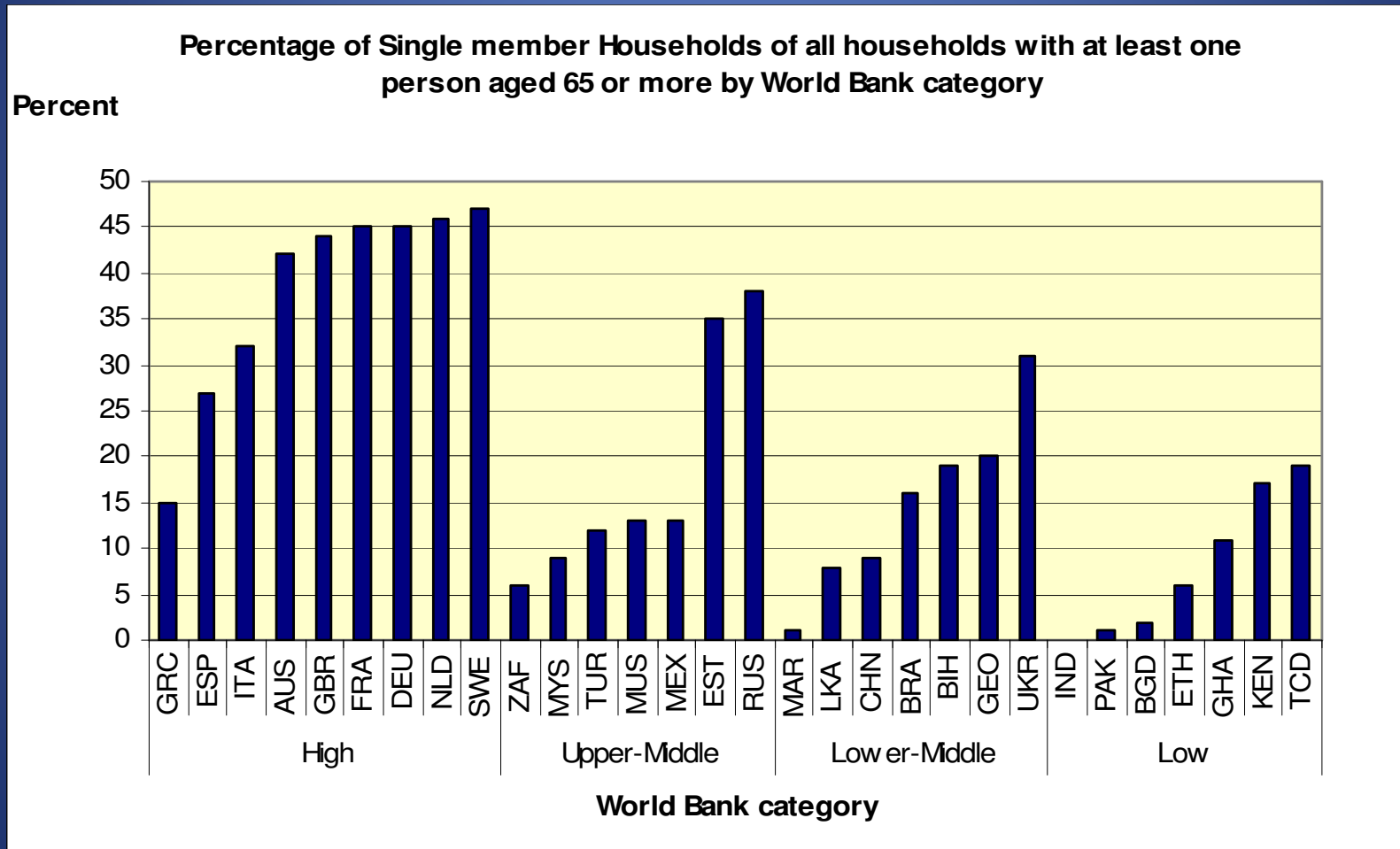
Statistics New Zealand
 Follow us on Twitter
 @statsnz
 Like us on Facebook
 facebook.com/statsnz

Printed with the assistance of
AT&T

The information in this brochure is compiled from publicly available data. The Statistics New Zealand does not accept any liability for errors or omissions. Data is changing, figures may not add to totals shown.

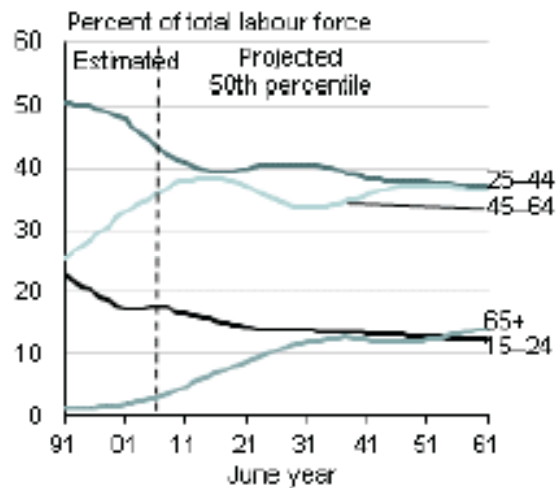
Scan me
 for more

Living arrangements of the elderly



Demographics: Workforce

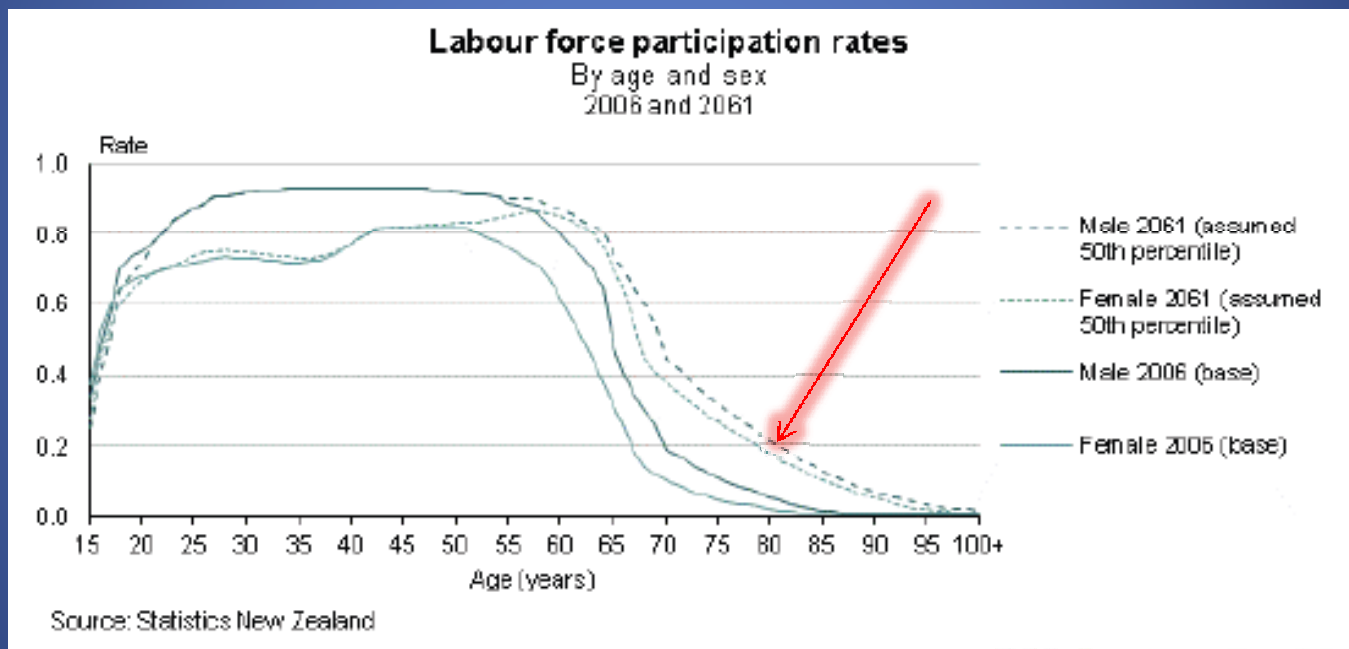
Age distribution of labour force
1991–2061



Source: Statistics New Zealand

29 August 2012
ISSN 1178-0606

Demographics: Workforce



Statistics New Zealand
STATISTICS NEW ZEALAND

Welcome to Statistics New Zealand
Celebrating the International Year of Statistics 2015

Home Browse for stats Tools and Services Surveys and Methods About us

Statistics NZ Home > Browse for statistics > Population > Estimates and projections > National Labour Force Projections: 2006(base)-2061 (August 2012 update)

National Labour Force Projections: 2006(base)-2061 (August 2012 update)
Embargoed until 10:45am - 29 August 2012

Sections

- Key facts
- Commentary
- Definitions
- Related links
- Data quality
- Contacts
- Tables

Downloads

- National Labour Force Projections: 2006(base)-2061 (August 2012 update) (PDF, 464kb)
- National Labour Force Projections: 2006(base)-2061 (August 2012 update) - table (Excel, 2 sheets, 69kb)

Media release Labour force growing and ageing

Key facts

CLOCKING ON Meet Sally



Life Span

Age Changes in Cognition

- Verbal Abilities

– rise gradually, peak at 50 & small declines after 55



Wisdom
vocabulary

General Knowledge

Life Span

Age Changes in Cognition

- Verbal Abilities
 - rise gradually, peak at 50 & small declines after 55
- Performance Abilities
 - slow decline mid 30' s, > after 50-60
- Working Memory



Life Span

Age Changes in Cognition

- Verbal Abilities
 - rise gradually, peak at 50 & small declines after 55
- Performance Abilities
 - slow decline mid 30' s, > after 50-60
- Working Memory & Complex Attention
 - slow decline after 45
- Processing Speed
 - decline begins at 20, accelerating after 35

Life Span

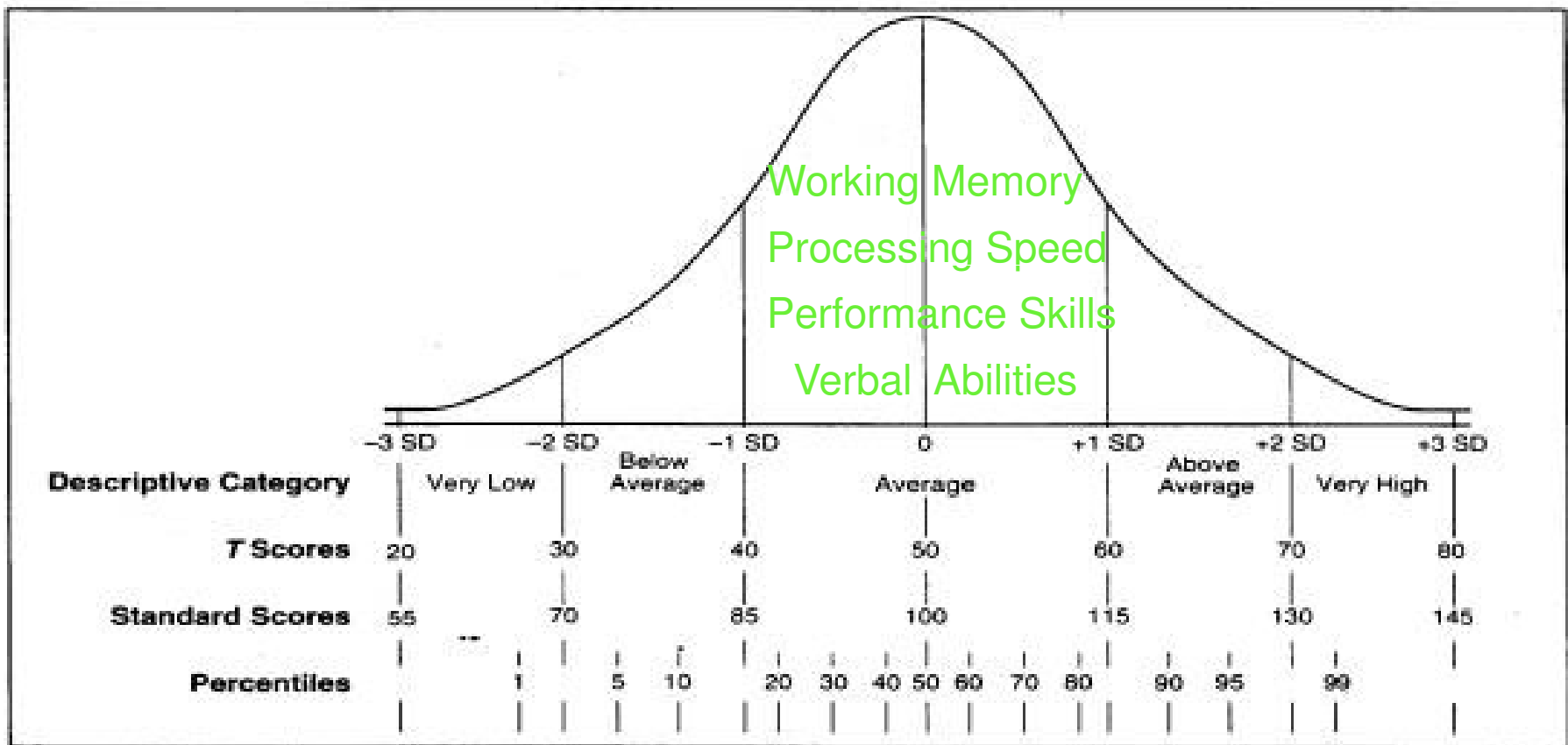
Age Changes in Cognition



- Processing Speed
 - decline begins at 20, accelerating after 35

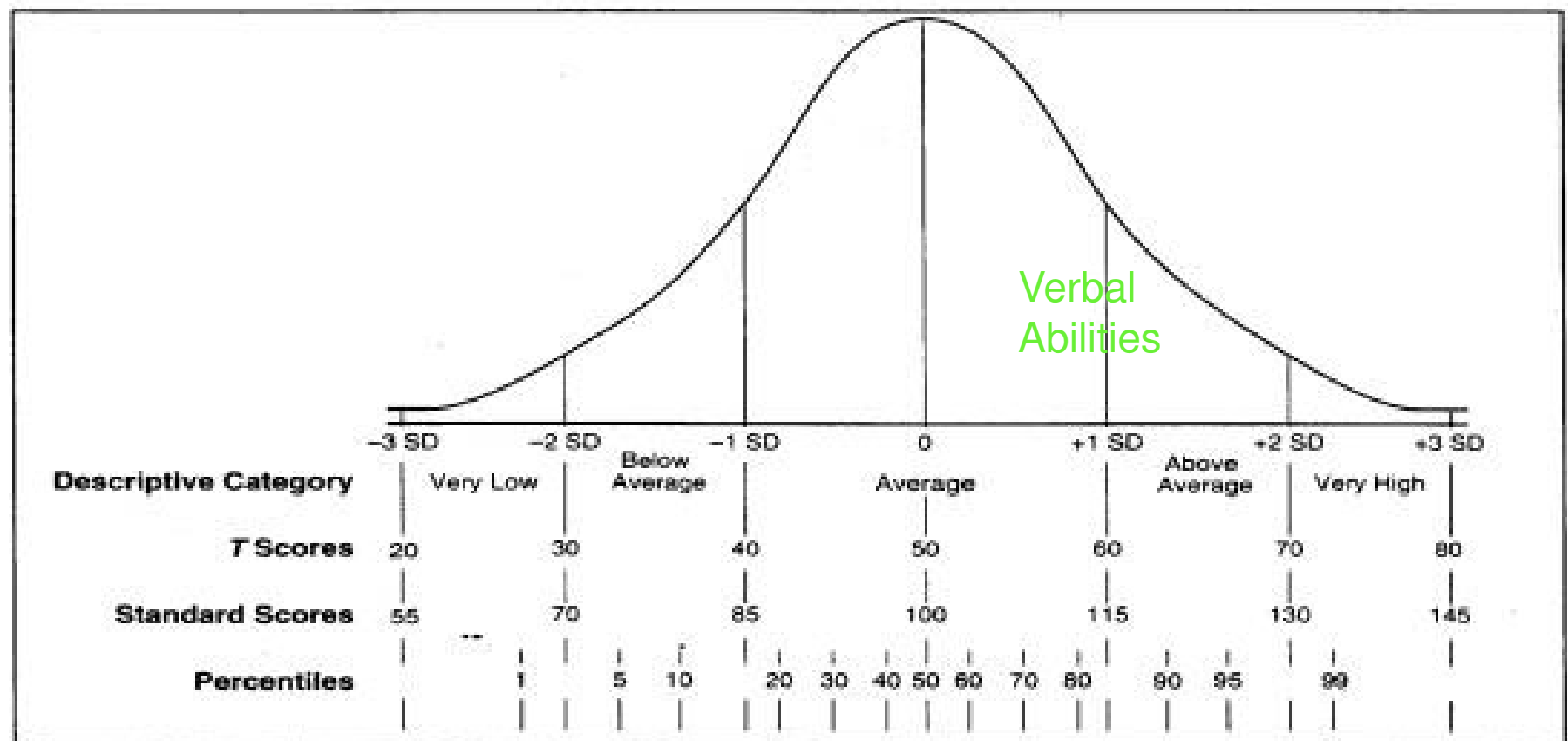
Life Span

Age Changes in Cognition



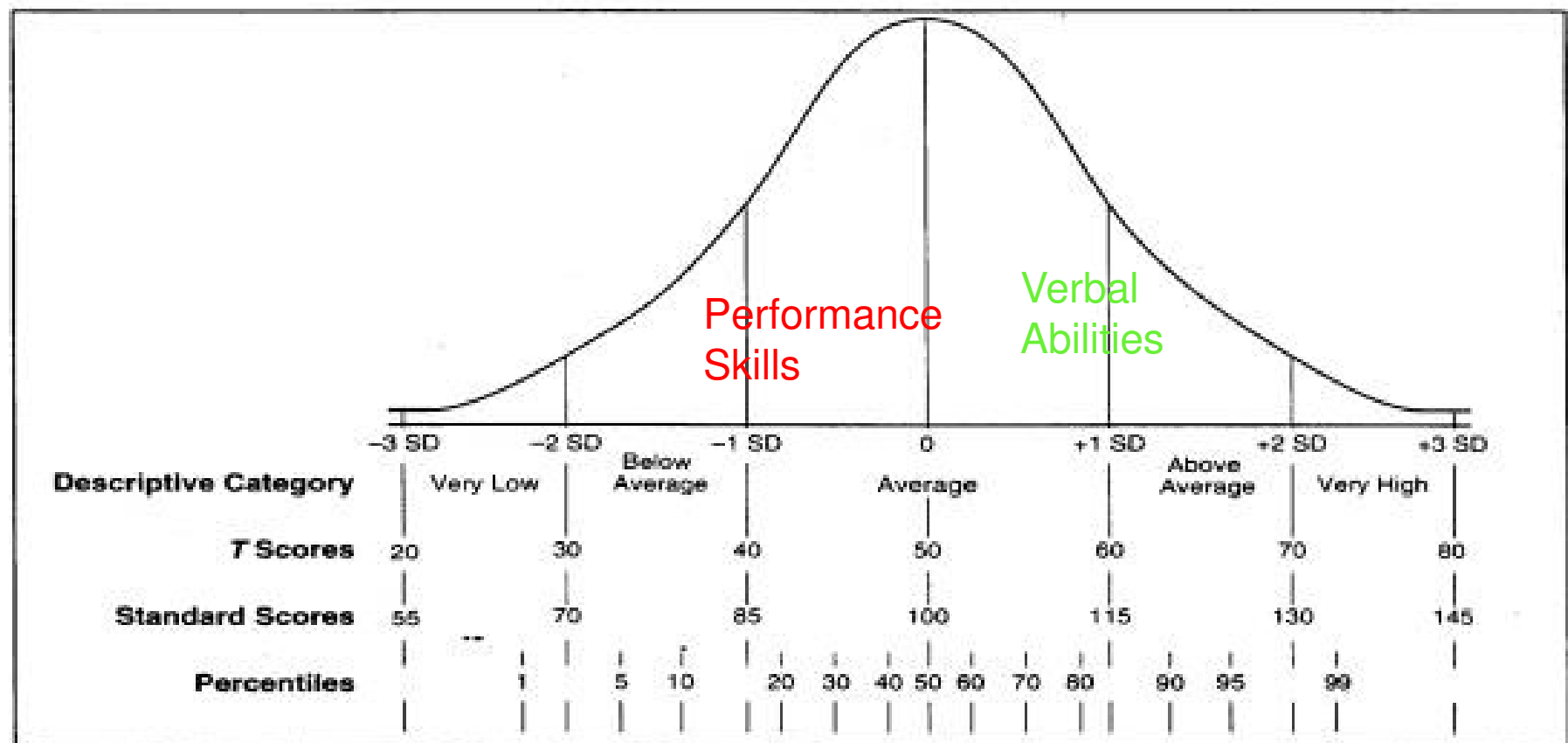
Life Span

Age Changes in Cognition



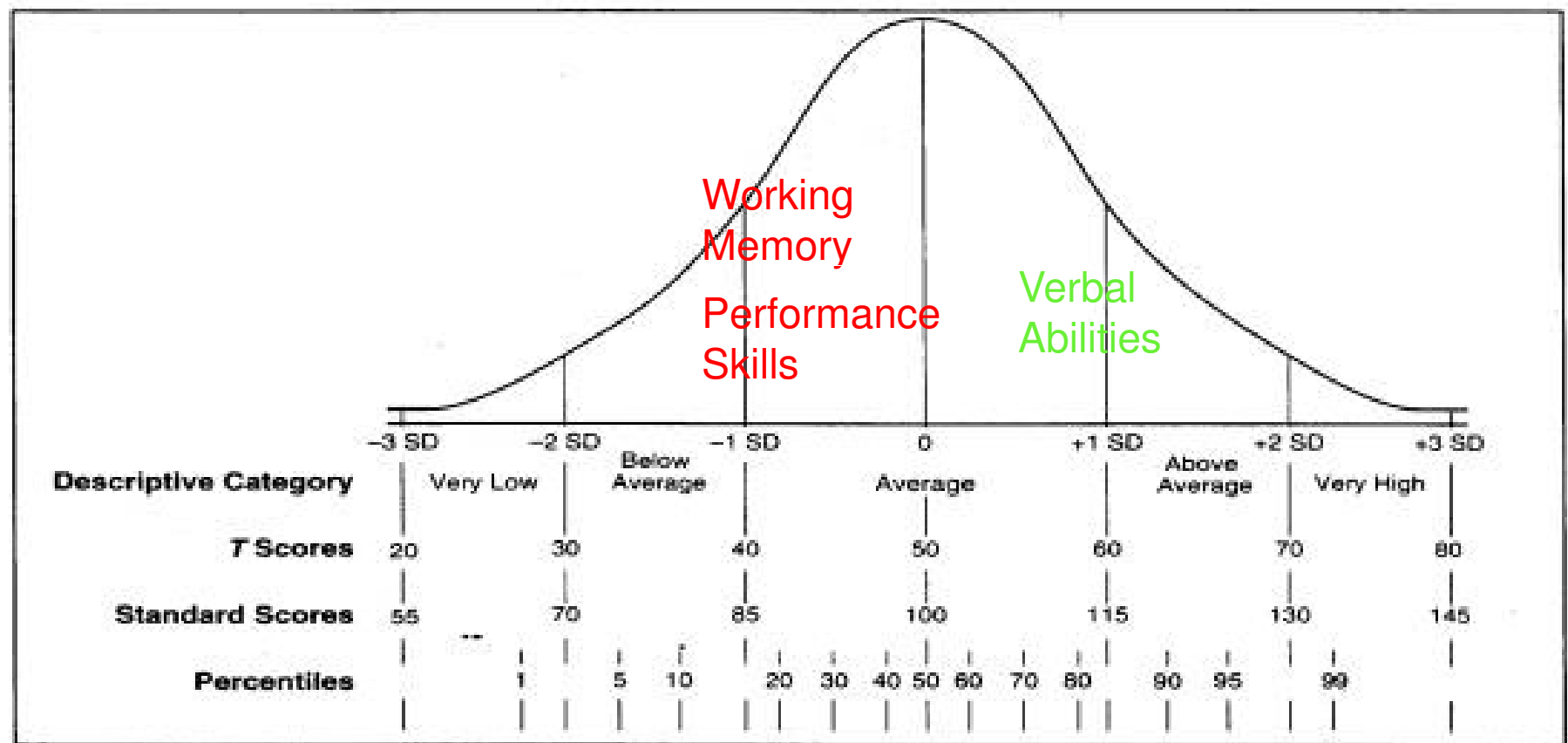
Life Span

Age Changes in Cognition



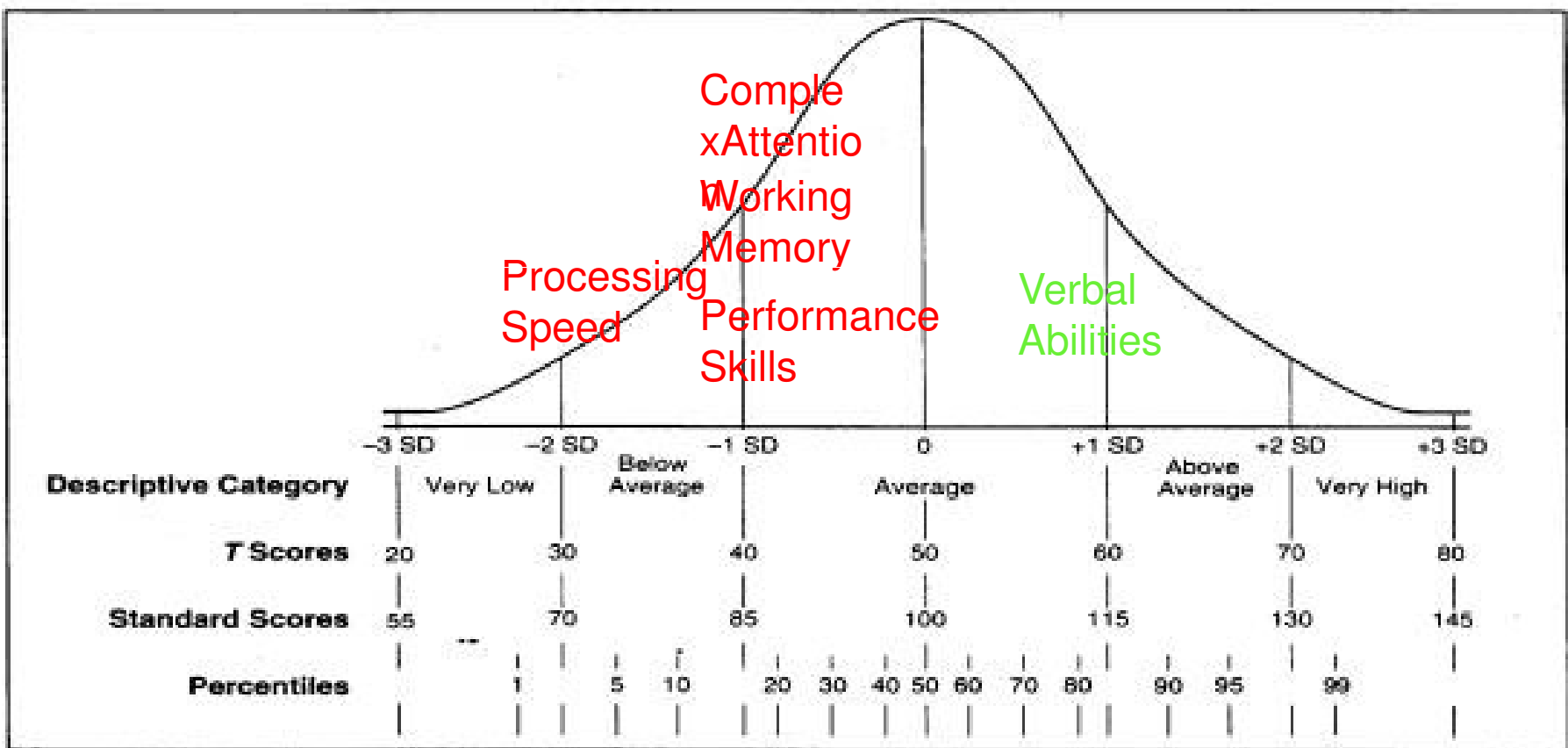
Life Span

Age Changes in Cognition



Life Span

Age Changes in Cognition



Life Span

Age Changes in Cognition



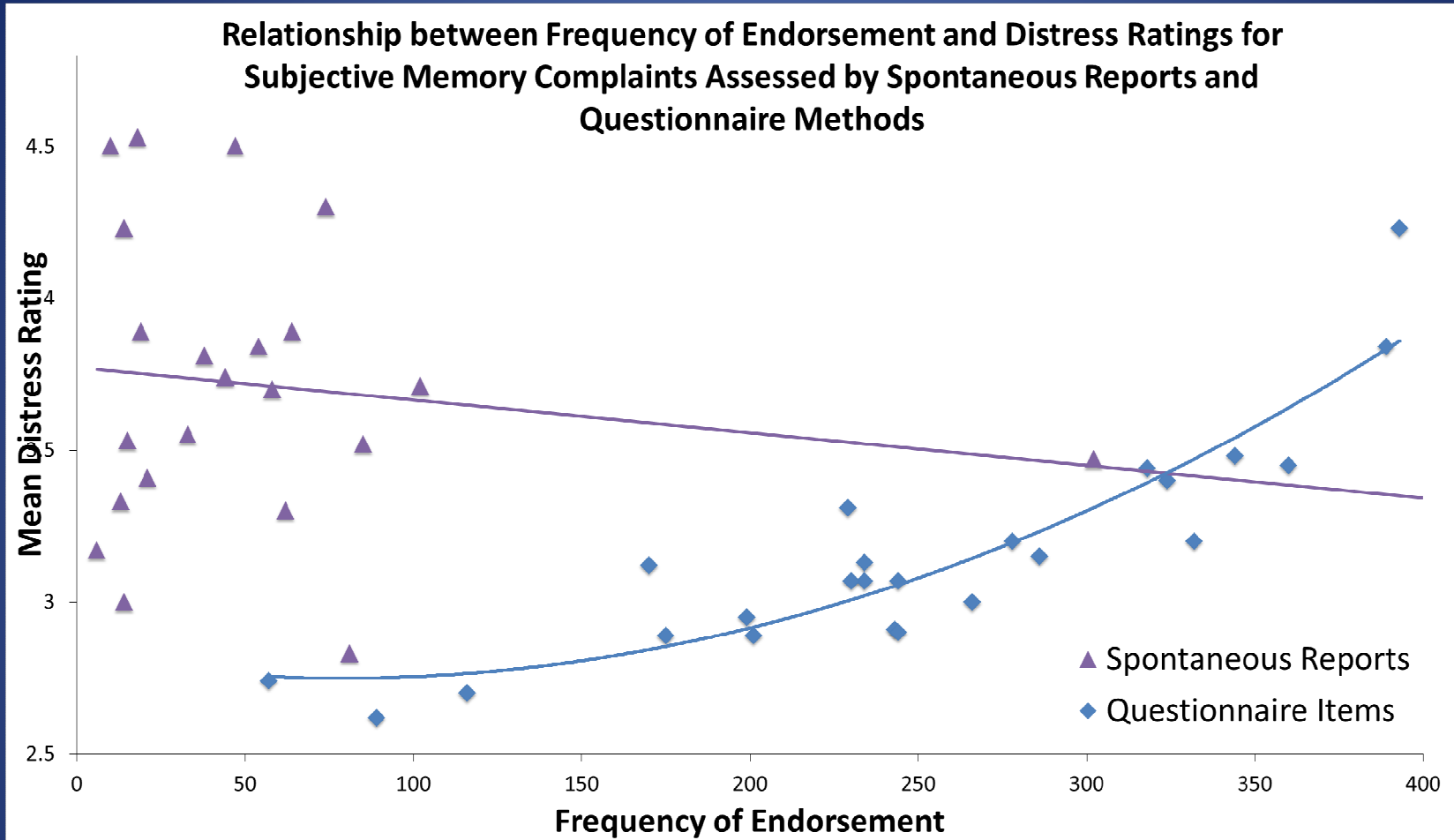
- Processing Speed
 - decline begins at 20, accelerating after 35

Study Aims

- Comparison between self report and questionnaire endorsement of EMC's
- Nature and levels of distress associated with self report of EMC's

	Spontaneous Reports	Questionnaire
SMCs	What (if any) memory difficulties do you experience in everyday life?	24 examples of SMCs, e.g., “Trouble remembering the names of people you have met”.
Associated distress	How much of a problem is _____ for you? (rate on 1-7 Likert scale)	How much of a problem is _____ for you? (rate on 1-7 Likert scale)





Burmester, B., Leathem, J & Merrick, P. (in press) Assessing subjective memory complaints: A comparison of spontaneous reports and structured questionnaire methods. *International Psychogeriatrics*.

The Memory Survey

What people forget

- Whether or not they've done something
- Where they've put things
- What they were doing
- Telephone numbers & facts
- What they've been told, seen or read
- How to do/operate things
- Not recognising people

Bottom Line

- Feedback
- Acceptance & Awareness
 - Attend
 - Allow time
 - Organise, plan & simplify to assist learning
 - Compensate
 - Don't stress
- Stay active mentally and physically
- Eat well

CLOCKING ON Meet Sally



