

PATH Through Life Project – Questions, scales and source references
(updated 17-9-2008))

Questions	Wave	Source and reference
Socioeconomic questions	1,2,3	Developed for PATH
Suburb of residence	3	
Socioeconomic questions-extended to cover salary, home ownership	3	
Retirement questions, extended W3 40+	2 (60+), 3(40+)	Household, Income and Labour Dynamics in Australia Survey (HILDA) Aust. Department of Families, Housing, Community services & Indigenous Affairs
Children	1,2,3	Developed for PATH
abortion, miscarriage, adoption of natural child	3 (20+)	Developed for PATH
English as a second language.	1	Stress and Well Being Project: Henderson AS, Jorm AF, Korten AE, Jacomb P, Christensen H & Rodgers B (1998) Symptoms of depression and anxiety during adult life: evidence for a decline in prevalence with age. <i>Psychological Medicine</i> 28, 1321-1328
Racial group	1	Stress and Well Being Project: Henderson AS, Jorm AF, Korten AE, Jacomb P, Christensen H & Rodgers B (1998) Symptoms of depression and anxiety during adult life: evidence for a decline in prevalence with age. <i>Psychological Medicine</i> 28, 1321-1328
Region of birth	2	Developed for PATH
Height and weight	1,2 3 (only weight)	Australian Bureau of Statistics (1991) 1989-90 National Health Survey Users' Guide. ABS catalogue No. 4363.0 Commonwealth Government Printer, Canberra
Physical and Mental Health		
Physical health-list of illnesses plus high blood pressure	1,2,3	Social Psychiatry Research Unit (1992) The Canberra Interview for the Elderly (CIE): a new field instrument for the diagnosis of dementia and depression by ICD-10 and DSMIII-R <i>Acta Psychiatrica Scandinavica</i> 85, 105-113.
Head injury	1,2,3	<u>Wave 1</u> : Social Psychiatry Research Unit (1992) The Canberra Interview for the Elderly (CIE): a new field instrument for the diagnosis of dementia and depression by ICD-10 and DSMIII-R <i>Acta Psychiatrica Scandinavica</i> 85, 105-113. <u>Wave 2</u> : developed for PATH
Incidence of Brain tumour or infection	2, 3	Developed for PATH
More detailed questions on stroke, TIA and heart problems	2 (60+) 3 (40+, 60+)	
Self-reported problems with balance and number of falls	2 (60+)	
Self reported hearing rating scale	2 (60+)3 (60+)	
The 12 Item Short Form Health Survey	1,2,3	Ware JE Jr., Kosinski M, Kellar SD (1996) A 12-item Short-Form health survey.

(SF-12) (Agreement to use intellectual property of Quality Metric Inc. Licence#R3-102702-12225)		Construction of scales and preliminary tests of reliability and validity. <i>Medical Care</i> : 34, 220-233.
Composite International Diagnostic Instrument (CIDI)	1(20+,40+)	Kessler RC, Andrews G, Mroczek D, Ustun B & Wittchen H-U. (do not cite) World Health Organization Composite International Diagnostic Interview-Short Form (CIDISF). Above never published. The following refers to the full CIDI. Robins LN, Wing J, Wittchen HU, Helzer JE, Babor TF, Burke J, Farmer A, Jablenski A, Pickens R, Regier DA et al. The composite International Diagnostic Instrument. An epidemiologic Instrument suitable for use in conjunction with different diagnostic systems and in different cultures.(1988) <i>Archives of general Psychiatry</i> 45(12):1069-77.
The Health Assessment Questionnaire Disability and Pain subscales.	3	Fries J, Spitz P, Young D. (1982) The dimensions of health outcomes: The Health Assessment Questionnaire Disability and Pain subscales. <i>The Journal of Rheumatology</i> 9 (5): 789-793.
Fertility problems	3	Developed for PATH
Brief Patient Health Questionnaire Anxiety component at wave 2 & 3)	1(60), 2, 3	Spitzer RL, Kroenke K, Williams JB. (1999) Validation and utility of a self-report version of PRIME-MD: the PHQ primary care study. Primary care evaluation of mental disorders. Patient Health Questionnaire. <i>JAMA</i> , Nov 10;282(18):1737-44.
Goldberg Depression and Anxiety Inventory	1,2,3	Goldberg D, Bridges K, Duncan-Jones P & Grayson D (1988) Detecting anxiety and depression in general medical settings. <i>British Medical Journal</i> 297: 897-899.
Seasonal Pattern Assessment Questionnaire	1,2	Thompson C, Stinson D, Fernandez M, Fine J & Isaacs G (1988) A comparison of normal, bipolar and seasonal affective disorder subjects using the Seasonal Pattern Assessment Questionnaire. <i>Journal of Affective Disorders</i> . 14, 257-264.
Suicidality Items from the Psychiatric Symptom Frequency (PSF) scale	1,2	Lindelow M, Hardy R & Rodgers B (1997) Development of a scale to measure symptoms of anxiety and depression in the general population: the Psychiatric Symptom Frequency (PSF) scale in the UK general population. <i>Journal of Epidemiology and Community Health</i> , 51, 549-557.
Suicidality (revised)	3	An extra question was added from NCEPH's "Food, drink, lifestyle and wellbeing" questionnaire.
Self Harm	3	These were partly adapted from NCEPH's "Food, drink, lifestyle and wellbeing" questionnaire and came partly from: Nada-Raja S, Skegg K, Langley J, Morrison D, Sowerby P. (2004) Self-harmful behaviors in a population-based sample of young adults. <i>Suicide and Life-threatening Behavior</i> . 34 (2): 177-186
Past history of depression	1,2,3	Stress and Well Being Project: Henderson AS, Jorm AF, Korten AE, Jacomb P, Christensen H & Rodgers B (1998) Symptoms of depression and anxiety during adult life: evidence for a decline in prevalence with age. <i>Psychological Medicine</i> 28, 1321-1328

Post Traumatic Stress Disorder – Brief screening instrument Trauma Screening Questionnaire (TSQ)	2	Brewin CR, Rose S, Andrews B, Green J, Tata P, McEvedy C, Turner S, Foa EB-(2002) Brief screening instrument for post-traumatic stress disorder. <i>British Journal of Psychiatry</i> 181, 158-162. (Wave 2)
Memory problems –self-report Memory Decline Scale	1 (60+), 2 (60+) 3 (60+)	Jorm AF, Christensen H, Henderson AS, Korten AE, McKinnon AJ, Scott R. (1994) Complaints of cognitive decline in the elderly: a comparison of reports by subjects and informants in a community survey. <i>Psychological Medicine</i> , 24: 365-374.
ADHD	3 (40+, 60+)	World Health Organization. Adult ADHD self-report scale-V1.1 Screener for WHO CIDI
Medication use	1,2,3	Australian Bureau of Statistics (1991) 1989-90 National Health Survey Users' Guide. ABS catalogue No. 4363.0 Commonwealth Government Printer, Canberra
Womens Health – age of menarche (W1,2 only), menopause, use of contraceptives and hormone replacement therapy.	,3	Department of Epidemiology and Public Health, University College London, Civil Service Occupation Health Service. Stress and Health Study. Health survey questionnaire, 1991.
Extended questions on menopause and hysterectomy	3 (20+, 40+)	
Menopause symptoms The Menopause Rating Scale	3 (40+)	Heinemann K, Ruebig A, Potthoff P, Schneider HPG, Strelow F, Heinemann LAJ, Thai DM (2004) The menopause rating Scale (MRS) scale: A methodological review. <i>Health & Quality of Life Outcomes</i> .2:45, 1-8
Substance use		
Tobacco use	1,2,3	<u>Stress and Well Being Project</u> : Jorm AF, Rodgers B, Jacomb PA, Christensen H, Henderson S, Korten AE (1999). Smoking and Mental health: results from a community survey. <i>Medical Journal of Australia</i> , 170: 74-77.
Alcohol consumption - AUDIT Called the Alcohol Use Disorders Identification Test (AUDIT)	1,2,3	Saunders JB, Aasland OG, Babor TF, De La Fuente JR & Grant M (1993) Development of the Alcohol Use Disorders Identification Test (AUDIT): WHO collaborative project on early detection of persons with harmful alcohol consumption-H. <i>Addiction</i> 88: 791804.
Alcohol abstinence	1,2	Moore M and Weiss S (1995) Reasons for non-drinking among Israeli adolescents of four religions. <i>Drug and Alcohol Dependence</i> . 38, 45-50.
Marijuana use Including the Two-Item Conjoint Screening test (TICS)	1,2, 3 (20+,40+)	Social Science Data Archives, Australian National University (1993) National Campaign Against Drug Abuse social issues survey. User's Guide SSDA No. 765 Brown RL, Leonard T, Saunders LA & Papasoullotis O. (1997) A two-item screening test for alcohol and other drug problems. <i>Journal of Family Practice</i> 44, 151-160.
Ecstasy & amphetamine use Adapted from National Drug Strategy Household Survey	2, 3 (20+,40+)	Australian Institute of Health and Welfare (2001) 2001 National Drug Strategy Household Survey. Drug Statistics Series No. 9.

Gambling Items adapted from the National Gambling Survey, conducted in Australia in 1999	2,3 (20+)	Productivity Commission (1999) Australia's Gambling Industries. Inquiry Report. Cat. No. 9927661
Lifestyle factors		
Life events (past 6 months) The List of Threatening Experiences	1,2,3	1. Brugha, T S and Cragg, D (1990) The List of Threatening Experiences: the reliability and validity of a brief life events questionnaire. <i>Acta Psychiatrica Scandinavica</i> 82, 77-81. 2. Rodgers B (1996) Reported parental behaviour and adult affective symptoms:2 Mediating factors. <i>Psychological Medicine</i> . 26, 63-77.
Life-time trauma	2,3	World Health Organisation 1994, Composite International Diagnostic Interview (CIDI) Researcher's Manual, World Health Organisation, Geneva.
Financial strain Based on a list of Financial Stress Indicators	2,3	Australian Bureau of Statistics: 1998-99 Household Expenditure Survey. Commonwealth Government Printer, Canberra
Main source of income / pension	2,3	
Private Health Insurance	3 (40+, 60+)	Household, Income and Labour Dynamics in Australia Survey (HILDA) Aust. Department of Families, Housing, Community services & Indigenous Affairs
Childhood adversity	1	1. Parker P, Tupling H & Brown LB. (1979) A parental bonding instrument. <i>British Journal of Medical Psychology</i> 52, 1-10. 2. Rodgers B (1996) Reported parental behaviour and adult affective symptoms:2 Mediating factors. <i>Psychological Medicine</i> . 26, 63-77. 3. Kessler RC, Davis CG & Kendler KS. (1997) Childhood adversity and adult psychiatric disorder in the US National Comorbidity Survey. <i>Psychological medicine</i> 27, 1101-1119.
Social support	1,2,3	Schuster TL, Kessler RC & Aseltine RH Jr. (1990) Supportive interactions, negative interactions and depressed mood. <i>American Journal of Community Psychology</i> 18, 423-437.
Pets	1 (40+,60+), 2	Developed by CMHR
Caring	2 (60+), 3(40+,60+)	Developed by Kaarin
Volunteering	2 (60+), 3 (40+,60+)	Developed by Kaarin
Life transitions	1,2,3 (20+,40+)	
Sexual orientation	1,2,3 (20+, 40+)	Developed by CMHR
Lubben Social Network Scale –abbreviated (LSNS-6)	3	Lubben J, Blozik E, Gillman G, Illiffe S, von Renteln Kruse W, Beck JC, Stuck AE (2006) Performance of an abbreviated version of the Lubben Social Network Scale among three

		European community-dwelling older adult populations. <i>The Gerontologist</i> 46 (4): 503-513.
Dyadic Adjustment Scale-Short Form	3	Hunsley J, Best M, Lefebvre M, Vito D. (2001) The seven-item short form of the Dyadic Adjustment Scale: Further evidence for construct validity. <i>The American Journal of Family Therapy</i> 29: 325-335.
Role strain	1,2,3	<u>Adapted from:</u> Nazroo JY, Edwards AC & Brown GW (1997) Gender differences in the onset of depression following a shared life event: a study of couples. <i>Psychological Medicine</i> . 27, 9-19.
Work stress Incorporates Job demands, job control and social support	1 (40+), 2 (40+,60+) 3 (20+,40+)	Bosma H, Marmot MG, Hemingway H, Nicholson AC, Brunner E, Stansfeld SA.(1997) Low job control and risk of coronary heart disease in Whitehall II (prospective cohort) study. <i>BMJ</i> ; 314 (22 February): 558-565.
Personality		
Eysenck Personality Questionnaire (EPQ)	1,2	Eysenck SBG, Eysenck HJ & Barrett P (1985) A revised version of the psychoticism scale. <i>Personality and Individual Differences</i> 6: 21-29.
Behavioural Inhibition System and Behavioural Activation System (BISBAS)	1,2,3	Carver CS & White TL (1994) Behavioral inhibition, behavioral activation, and affective responses to impending reward and punishment: The BISBAS scales. <i>Journal of Personality and Social Psychology</i> . 67, 319-333.
Positive and Negative Affect Schedule (PANAS)- plus the Hostility Scale from the PANAS expanded.	1,2	Kercher K (1992) Assessing subjective well-being in the old-old. <i>Research on Aging</i> 14: 131-168. Watson D & Clark LA (1994) The PANAS-X. Manual for the Positive and Negative Affect Schedule- Expanded Form. The University of Iowa.
Positive and Negative Affect Schedule (PANAS) ONLY	3	As above
Mastery - Pearlin's Mastery Scale	1,2,3	Pearlin LI, Lieberman MA, Menaghan EG, Mullan JT (1981) The stress process. <i>Journal of health and Social Behaviour</i> . 22, 337-356.
Ruminative style	1,2,3	<u>Adapted from:</u> Nolen-Hoeksema S & Morrow S. (1991) A prospective study of depression and posttraumatic ' stress symptoms after a natural disaster: the 1989 Loma Prieta earthquake. <i>Journal of Abnormal Psychology</i> 61, 115-121.
Religiousness Index of Religiousness	1,2	Zuckerman DM, Kasl SV & Ostfeld AM (1984) Psychosocial predictors of mortality among the elderly poor. <i>American Journal of Epidemiology</i> , 119, 410-423.
Life Satisfaction The Satisfaction with Life Scale	2,3	Diener E, Emmons RA, Larson RJ, Griffin S. (1985. The Satisfaction with Life Scale. <i>Journal of Personality Assessment</i> , 49, 71-75 (Wave 2)
Brief COPE	3	Carver CS (1997) You want to measure coping but your protocol's too long: Consider the Brief COPE. <i>Int J Behavioral Medicine</i> 4(1): 92-100
Resilience The Connor-Davidson Resilience Scale (CD-RISC)	3	Connor KM, Davidson JRT (2003) Development of a new resilience scale: The Connor-Davidson Resilience Scale (CD-RISC). <i>Depression and Anxiety</i> 18: 76-82
Activity		
Physical activity-frequency & times	1,2	Department of Epidemiology and Public Health, University College London, Civil Service

		Occupation Health Service. Stress and Health Study. Health survey questionnaire, 1991.
Physical activity (from Active Australia Survey)	3 (40+)	Australian Institute of Health & Welfare. The Active Australia Survey: A guide and Manual for implementation, analysis and reporting. http://www.aihw.gov.au/publications/index.cfm/title/8559
Mental activities The Realistic, Investigative, Enterprising, Artistic, Social, Enterprising, Conventional Scales (RIASEC Scales)	1,2	Holland JL (1985) Making Vocational Choices: A theory of personalities and work environments. Englewood Cliffs, NJ Prentice-Hall. (Older version-1973-in Chifley library: HF5381 H5668)
Mental activities - shortened	3	As above – shortened version developed by Tim Windsor)
Bushfire events (Canberra-January 2003)	2	Developed for PATH
Other		
Handedness (Wave 1 & 2 + revised Wave 3)	1,2 substudies 3 all	Jaspers-Fayer F, Peters M. (2005). Hand preference, magical thinking and left-right confusion. <i>Laterality</i> , 10(2), 183-191.
Cognitive testing		
Californian Verbal Learning Test (immediate & delayed)	1,2,3	Delis DC, Kramer JH, Kaplan E & Ober BA (1987) California Verbal Learning Test. The Psychological Corporation. Harcourt Brace, Inc, San Antonio.
Digits Span Backwards	1,2,3	Wechsler D (1945) Wechsler Memory Scale. The Psychological Corporation.
Symbol Digit Modalities test	1,2,3	Smith A (1982) Symbol Digit Modalities Test (SDMT) Manual (Revised) Los Angeles. Western Psychological Services.
Spot-the-Word Test – Version A	1,2,3	Baddeley A, Emsile H & Nimmo Smith 1 (1992) The Spot-the-Word Test. Thames Valley Test Company, Bury St Edmunds, England
Purdue Pegboard	1(60+), 2,3	Tiffin J(1968) Purdue Pegboard: Examiner Manual. Chicago: Science Research Associates. (Purdue Pegboard Model #32020, Lafayette Instrument, Lafayette, IN. USA)
The Trails test Trails B only administered	2,3	<u>Reitan RM & Wolfson D (1985) The Halstead-Reitan Neuropsychological Test Battery.: Theory and clinical interpretation.</u> Tucson, AZ: Neuropsychology Press.
Face recognition Munn Face Recognition Task	2,3	Crane J & Milner B(2002) Face perception and memory in patients with selective amygdalo-hippocampectomy. <i>Neuropsychologia</i> , 40,530-538. (Wave 2)
The Standardized Mini Mental State Examination	1(60+), 2(60+)	Molloy DW, Alemayehu E, Roberts R (1991) Reliability of a Standardized Mini-Mental State Examination. <i>American Journal of Psychiatry</i> 148:102-5

Physical Testing		
Blood pressure	1,2,3	Omron M4 Model HEM 722C1. Omron Corporation
Blood pressure standing	2 (60+), 3 (60+)	
Lung function	1,2,3	Micro Spirometer: Micro Medical Ltd Rochester Kent
Eyesight testing	1,2,3	Snellin chart
Handgrip	1,2,3	Smedley's Dynamo Meter, 100kgs Tokyo
Sit-to-stand	2 (60+) 3 (60+)	Lord SR, Murray SM, Chapman K, Munro B, Tiedemann A. (2002) Sit-to-stand performance depends on sensation, speed, balance and psychological status in addition to strength in older people. Journal of Gerontology (Med Sci) 57A: M539-543.
Timed near tandem stand test	2 (60+) 3 (60+)	Lord SR, Rogers MW, Howland AS, Fitzpatrick R. (1999) Lateral stability, sensorimotor function and falls in older people. J Am Geriatr Soc 47: 1077-81
6 metre walk	2 (60+) 3 (60+)	
Waist circumference	3	Zhu S, Wang Z, Heshka S, Heo M, Faith MS, Heymsfield SB (2002). Waist circumference and obesity-associated risk factors among whites in the third National health and Nutrition Examination Survey: clinical action thresholds. Am J Clin Nutr; 76: 743-9
Reaction time Simple and Complex	1,2,3	The reaction timer unit was designed and made by Trevor Hobbs