NWAH STUDY DATA COLLECTION ITEMS

	CATI	Questionnaire	Clinic
Stage 1 **(Ph1A 2000 & Ph1B 2002/03)**	**Introduction** - incl receipt of letter, postcode etc **Recruitment** - incl refusal reasons & demographics **Health conditions** CHRONIC (dr diag ever) - diabetes, asthma, bronchitis, emphysema, heart attack, stroke, angina **Smoking** - current and ever smoked regularly **High cholesterol** *(Ph 1B only)* - *dr diag ever, current* **High blood pressure** *(Ph 1B only)* - *dr/nurse diag ever, current* **Height & weight** *(Ph 1B only)* **Health conditions** MENTAL HLTH (dr diag last 12 months) - anxiety, depression, stress-related, other; still current **Demographics** - age, sex, work done for most of life, no of people 18+ in hhold, no of children <18 in hhold	**SF36** (v1) **Physical activity** (Nat Hlth Survey) **Health care utilisation** (last year) - GP, etc **Family history** - diabetes, heart disease, stroke **Diabetes** - dr diag ever, gestational, high blood sugar ever and now, type; *Ph 1B only when first told* **Asthma** - ever, conf by dr, current; *Ph 1B only - when first told, severity* **Bronchitis** - ever, conf by dr, freq; *Ph 1B only - when first told* **Emphysema** - ever, conf by dr; *Ph 1B only - when first told,* **Lung function** - Chronic Lung Disease Index **Alcohol** - freq, amount **Smoking** - current, amount, ever smoked regularly, cigs per day, age when last gave up smoking **Demographics** - age when left school, trade or higher qualifs, annual gross hhold income, country of birth, year of arrival in Aust, Abor/TSI status, marital status, work status, pension/benefit status, age, postcode	**Appointment information** - date, time, date of birth, age, sex, location of clinic, location of blood sample, reimbursement status **Clinic admin** - fasting, hospital patient, consent forms, GP & secondary contacts, Medicare consent **Blood pressure -** systolic and diastolic, medication for hypertension; *Ph 1B only - currently on HBP medication, taken in last 24 hours* **Height & weight** **Waist & hip circumference** **Skin tests** - saline, rye grass, cat, house dust mite, alternaria (mould), feather, cockroach, histamine; anti-histamine medication; *Ph 1B only - currently on anti-histamine medication, taken in last 24 hours* **Blood tests** - triglycerides, total cholesterol, HDL chol, LDL chol, glucose, HbA1c; *Ph 1B only - currently on cholesterol medication, taken in last 24 hours* **Spirometry** - Pre and Post FEV1 & % pred, Pre and Post FVC & % pred, Pre and Post FEF 25-75 & % pred, reversibility; bronchodilator (eg Ventolin) or other respiratory medication; *Ph 1B only - currently on bronchodilator medication, taken in last 24 hours*

Tel Follow Up 1 2002 (Ph1A)	**CATI ONLY** **General health** (from last clinic appt) - rating of health, dr diag chronic conditions, admission to hosp re heart or respiratory conditions **Health care utilisation** (last 12 months) - GP, etc **Demographics** - change in status (contact details, marital, work status) **Result letter** - action taken re high blood pressure/cholesterol/overweight results **Asthma** - confirmation of condition, conf by dr, action taken re low lung function result, current asthma, woken from sleep, admitted in past year, number of GPs seen in past year, severity in last month, oral steroid medication taken in last month, freq of waking during night, freq of attacks in last year, days lost in last year, number of days lost, asthma action plan, able to afford to buy medication **Diabetes** - confirmation of condition, conf by dr, action taken re high glucose function result, age first told, if within last year, interference in daily activities, degree of interference, vision affected, eyes examined within last year, laser therapy on eyes, cataract surgery, tingling etc of feet & toes, days lost in last year, number of days lost **Diabetes information** - amount received, satis with information when first diag, satis with info re poss long term effects, current - satis with info re diet, long term effects, reason for dissatis, meas of blood glucose, understanding of gluc levels, dietary causes & long term effects; requirements for more information, health professionals cons in last year & helpfulness, other information sources, access to and use of the Internet, support groups, first source for info, usefulness of 24 hour diab info tel service, changes in info needs, risk of developing diab and cardiovascular disease, admission to hosp with limb amputation, foot ulcer, kidney disease, issues for general public, awareness in community re risk

Stage 2 2004-06	CATI	Questionnaire	Clinic
	Introduction - incl receipt of letter, postcode etc **Recruitment** - incl refusal reasons **Health conditions** CHRONIC (dr diag ever) - heart attack, stroke, angina, TIA/ mini stroke, osteoporosis, arthritis (incl type) **Health care utilisation** (last year) - GP, etc **Low Back** - pain, aching or chronic stiffness in last month **Hips** - serious sprain/strain, operation, hip joint replacement, pain, aching or chronic stiffness in last month, reason **Knees** - serious sprain/strain, operation, knee replacement, pain, aching or chronic stiffness in last month, reason, WOMAC **Feet** - pain, aching or stiffness, degree of severity and time for each foot **Shoulders** - pain, aching or chronic stiffness in last month, SPADI **Hands** - pain, aching or chronic stiffness in last month, AUSCAN **Injury** - falls, fractures **Menopause** - status, length of time **Health conditions** MENTAL HLTH (dr diag last 12 months) - anxiety, depression, stress-related, other **Depression** (CES-D)	**SF36** (v1) **Physical activity** (Nat Hlth Survey) **Family history** - diabetes, heart disease, stroke, osteoporosis **Osteoporosis -** fall, trauma or fracture in last 5 yrs **Sunlight** - direct sunlight exposure - weekdays and weekends - summer and winter; tendency to burn **Diabetes** - dr diag ever, gestational, type, vision affected, laser therapy on eyes, cataract surgery, tingling etc of feet & toes **Asthma -** symptoms in last year, asthma medication, ever, conf by dr, current, first told, severity, visits to GP & adm to hosp in last year, and number of days, limitation re daily life; freq of waking during night, asthma action plan, freq of reliever medication ; **Bronchitis (chronic)** - ever, when first told, antibiotics **Emphysema** - ever, conf by dr, when first told **Lung function -** Chronic Lung Disease Index **Alcohol** - freq, amount **Smoking** - current, amount, ever smoked regularly, cigs per day, age when last gave up smoking & first started smoking **Mental health & wellbeing** (GHQ12) **Demographics** - family structure, highest educ qualif, annual gross hhold income, marital status, work status, pension/benefit status, age, postcode	**Appointment information** - date, time, date of birth, age, sex, location of clinic, location of blood sample, reimbursement status **Clinic admin** - fasting, urine sample, consent forms, GP & secondary contacts, Medicare consent **Blood pressure -** systolic and diastolic, medication for hypertension, currently on HBP medication, taken in last 24 hours **Height & weight** **Waist & hip circumference** **Blood tests** - triglycerides, total cholesterol, HDL chol, LDL chol, glucose, HbA1c, currently on cholesterol medication, taken in last 24 hours **Arthritis -** photo of both hands, flexion, abduction, external rotation & hand behind back; both hands grip strength, feet pain, aching or stiffness location **Spirometry** - Pre and Post FEV1 & % pred, Pre and Post FVC & % pred, Pre and Post FEF 25-75 & % pred, reversibility; bronchodilator (eg Ventolin) or other respiratory medication, currently on bronchodilator medication, taken in last 24 hours **DEXA (for those 50+ yrs) -** body composition and total body scan (osteo)

Tel Follow Up 2 2007 (incl NOBLE PhD ques)	**CATI**
	General - participation status
	Demographics - family structure; marital status, quality of relationship, current employment status; number of hours in last week in paid emp; current occupation; ever had 5+ yrs outside of paid emp; main reasons for not working; current tertiary study & number of hours; volunteer activities & number of hours; spouse/partner's emp status; long term care - full or part time, relationship, hours per week, support
	Physical activity (Active Australia)
	Lifecourse perspective - mother's and father's country of birth and occupation; family structure, siblings & those lived with, parents smoking, unemployed and length of time unemp at age 4; number of children & those living at home & ages
	Early learning - kindergarten attendance, age & number of days per week; number of primary schools attended, name, type
	Neighbourhoods and residential migration - reason for living in current nhood; sense of community felt & reason; type of house; tenure
	Lifestyle/nutrition - freq of eating foods prep at home; serves of fruit & veg each day; type of milk, freq of eating fried potato & meat products; number of glasses of water in last 4 weeks; type of water; freq & amount of soft drink consumption; amount of sleep per day, attitude to daily physical activity; relationship between friends, freq of visiting, number of close friends & number who live locally
	Health-related - self rep health status (SF1); opinion of weight status; stress of life commitments
	Baby Boomers only (born 1946 to 1965 inc) - stage of retirement; *varies depending if asked of those intending to retire or those who have retired already, or not intending to retire or not working* - incl proposed age at retirement, part time work, thought re income after retirement, advice sought from profs, reason re this, barriers to planning for retirement, renovation of home or moving (& location), importance of access to leisure activities, friends, family, health services, general services; main source of income, degree of money security
	Psychological distress (K10)
	Southern Cross project - selected participants only - WOMAC/SPADI
	Ongoing contact/address - email address, length of time at current address, length of time spent at recruitment address, number of moves, address spent most time at, suburb/town lived in as child
	QUESTIONNAIRE - POSTAL AND ONLINE
	Neighbourhoods/Activities
	Physical activity (Nat Hlth Survey)
	Access to /opinion of (in local area) - shops, facilities, etc; services, walking, physical surroundings, traffic, neighbourhood safety, transport and physical activity, access to local phys act facilities; sedentary activities
	Sleep - sleep disorder ever dr diag; symptoms of sleep apnoea; sleepiness (Epworth Sleepiness instrument)
	Baby Boomers
	General health & wellbeing - changes in last 5 years: physical activity, eating habits, social life, living arrangements, work, leisure activities/hobbies, saving/investment habits; barriers to planning for older age; belief in current care of health; proposed & preferred living arrangements as ageing, achievement of these, barriers to; importance of health factors in ageing, hobbies, plans, current socialising, future plans & barriers to; barriers to regular physical activity; perception of benefits of regular exercise; adaptive/coping strategies; care-giving commitments - who to, amount of time, reason for ceasing, assistance from services with care, type of accommodation of cared-for person, barriers re assistance etc

Stage 3 2008 – current (scheduled to be completed in mid 2010)	CATI	Questionnaire	Clinic
	Introduction - incl receipt of letter, postcode etc **Recruitment** - incl refusal reasons **Health conditions** CHRONIC (dr diag ever) - heart attack, stroke, angina, TIA/ mini stroke, heart procedures (bypass, angiogram, stent), osteoporosis, gout, arthritis (incl type); MENTAL HLTH (dr diag last 12 months) - anxiety, depression, stress-related, other **Injury** - falls, fractures **Shoulders** - pain, aching or chronic stiffness in last month, SPADI **Health care utilisation** (last year) - GP, etc **Physical activity** (Active Australia) **Quality of life** (AQOL) **Cardiovascular knowledge** – causes of death & illness in Aust, information about CVD & source, symptoms of heart attack & stroke, reducing risk, chances of having CVD dis, risk of CVD with asthma, diabetes, depression, obesity, smoking, latest BP reading **Self-reported body measures** (height, weight, waist) **Household food habits** - cost and quality of fruit & veg; soft drink & milk consumption; freq of home-cooked & fast foods purchase **Household environment** - no of tv sets, computer game consoles, bicycles, smoke-free hhold, no and type of pets and indoor habitation **Household** - age, sex & relationship of hhold members **Early learning** – kindergarten in SA, residntl suburb at age 4 **Demographics** (marital, work, educ, income, family structure, housing, pension, money situation)	**SF36** (v2) **Carers** – long term care, affect on health **Family history** - diabetes, heart disease, stroke, osteoporosis, high blood pressure, asthma, body type (size) of mother & father **Diabetes** - dr diag ever, gestational, type, vision affected, laser therapy on eyes, cataract surgery, tingling etc of feet & toes **Asthma** - symptoms in last year, asthma medication, ever, conf by dr, current, first told, severity, visits to GP & adm to A&E Dept & adm to hosp in last year, and no of days, limitation re daily life; asthma action plan, Asthma Control Ques (freq of waking during night, severity of asthma symptoms, limitations, shortness of breath, wheezing, reliever medication) **Lung function** – dr diag smoking related lung condition, Chronic Lung Disease Index **Alcohol** - freq, amount **Smoking** - current, amount, ever smoked regularly, cigs per day, age when last gave up smoking & first started smoking **Sleep** – hours slept per day, standard of sleep, dr diag sleep apnoea & use of a machine, sleep apnoea symptoms (incl Epworth Sleepiness Scale) **Depression** (CES-D) **Mastery and control** – problem solving, control **Low Back** - pain, aching or chronic stiffness in last month **Hips** - hip joint replacement, pain, aching or chronic stiffness in last month **Feet** - pain, aching or stiffness, degree of severity and duration for each foot **Knees** - serious sprain/strain, operation, knee replacement, pain, aching or chronic stiffness in last month, reason, knee arthritis **Hands** - pain, aching or chronic stiffness in last month, hand arthritis **Major health event(s) in last 5 years** **Feedback from participants** **Cardiovascular knowledge** – concern re chronic conditions, how well informed, contributors to CVD & strength of contrib, reduc of risk, GP investigations re risk **Food Frequency Questionnaire** (Cancer Council Victoria) (incl alcoholic and non-alcoholic beverages)	**Appointment information** - date, time, date of birth, age, sex, location of clinic, location of blood sample, reimbursement status **Clinic admin** - fasting, consent forms, GP & secondary contacts, Medicare & DNA consents **Blood pressure -** systolic and diastolic, medication for hypertension, currently on HBP medication, taken in last 24 hours **Height & weight** **Waist & hip circumference** **Urine specimen** - sodium, potassium, creatinine, albumin, phosphate, micro-albuminaria, ?iodine & sodium **Blood tests** - Triglycerides; Total chol; LDL-c (calc); HDL-c; Glucose; HbA1c; Low level C-Reactive Protein; 25 Hydroxy -Vit D; *CBE: Haemoglobin g/L; Red Blood Cell Count; Packed Cell Volume L/L; Mean Cell Volume fl; Mean Cell Haemoglobin pg & G/l; RDW %; Platelets and x10 power 9/L; White Cell Count; Neutrophils % and x10 power 9 /L; Lymphocytes % and x10 power 9/L; Monocytes % andx10 power 9 /L; Eosinophils % and x10 power 9 /L; Basophils % and x10 power 9 /L;* *MBA-20: Sodium mmol/L; Potassium mmol/L; Chloride mmol/L; Bicarb mmol/L; AnionGap mmol/L; Urea mmol/L; eGFR mmol/L; Urate mmol/L; Phosphate mmol/L; TotCa mmol/L; IonCa mmol/L; Albumin g/l; Glob g/l; Protein g/l; TotBili g/l; Gamma Glutamyl Transferase U/L; Alkaline phosphatase U/L; Alanine Aminotransferase U/L; Aspartate Aminotransferase U/L; Lactate dehydrogenase U/L; Creatine kinase U/L* **Arthritis -** both hands grip strength **Spirometry** - Pre and Post FEV1 & % pred, Pre and Post FVC & % pred, Pre and Post FEF 25-75 & % pred, reversibility; type & dosage of bronchodilator (eg Ventolin) or other respiratory medication, currently on bronchodilator medication, taken in last 24 hours; FENO sample and exhaled CO*; pulse oximetry **Health Literacy** - S-TOFHLA (drug label and Passage A and B **For FAMAS** - prostate & impotence; BLOOD – testosterone, SHBG, LH & FSH