

Dunedin, New Zealand



Dunedin Study Unit



8:10am: Study members arrive at the Unit





Study members' lounge



Informed consent





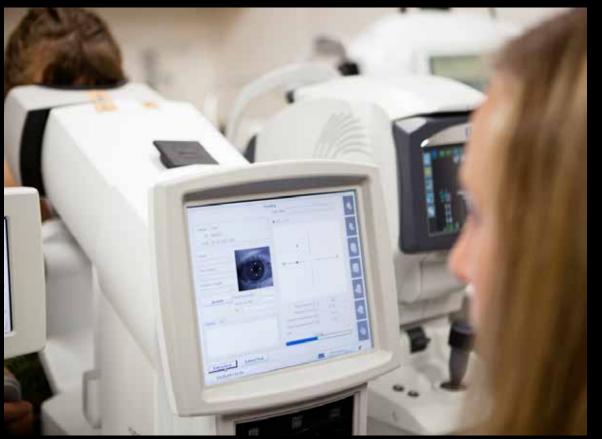


8:30 Vision testing: Acuity, contrast perception....

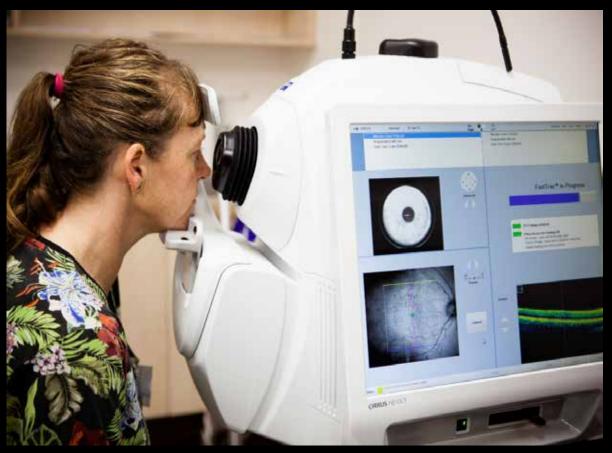


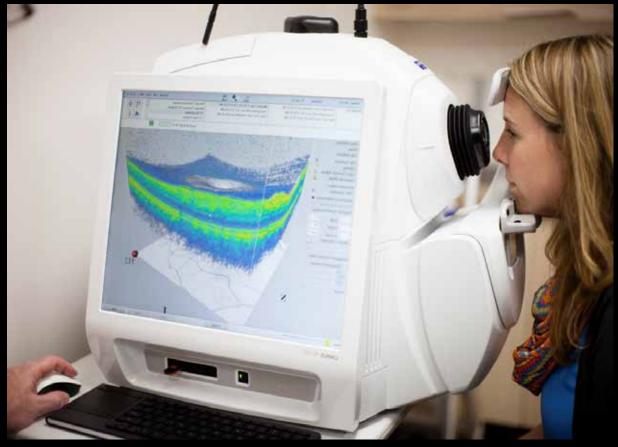
Peripheral visual field testing





Optical nerve scan





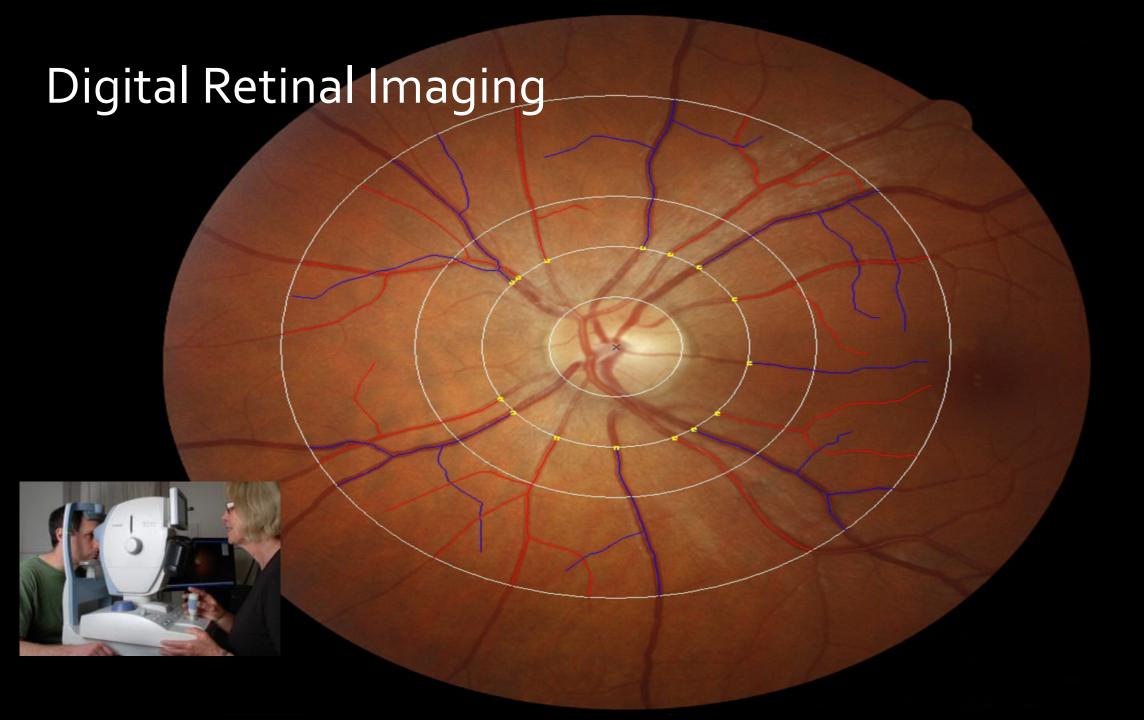
Video of the eye's moving lipid layer





Glands in the eye lid





3-D Facial photography



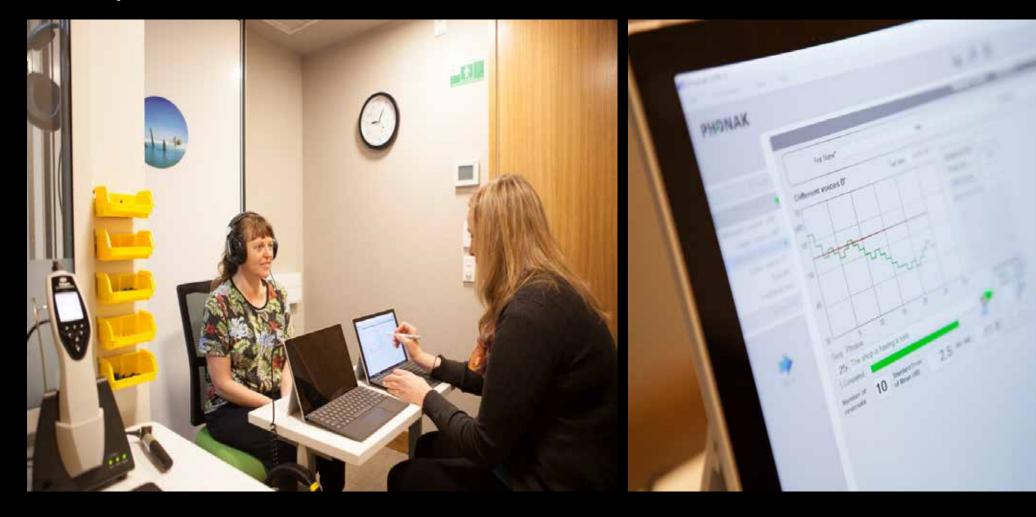


Audiology and hearing tests





Speech-in-noise test

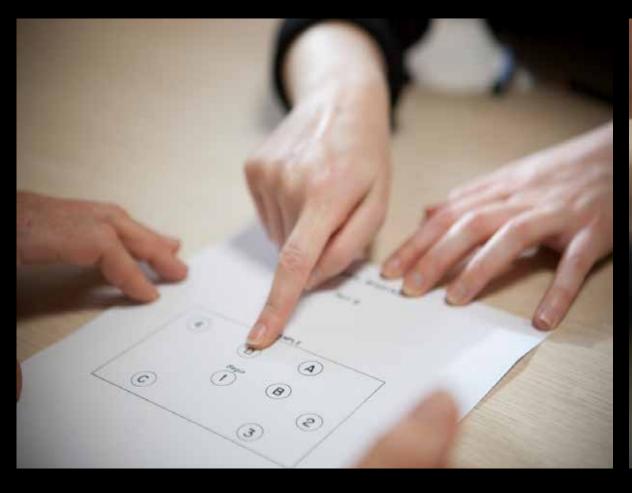


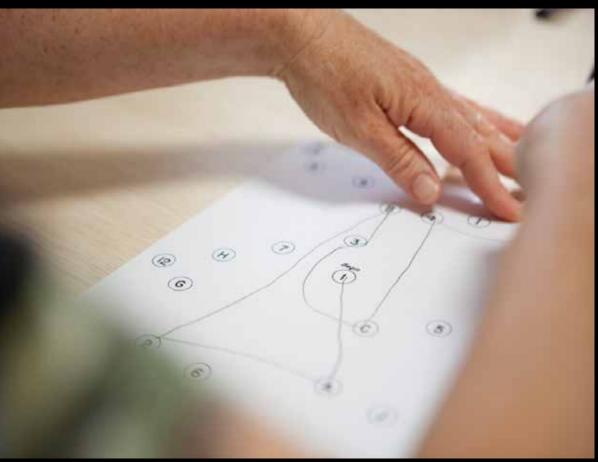
9:25 WAIS-4 IQ testing





Neuropsychological testing





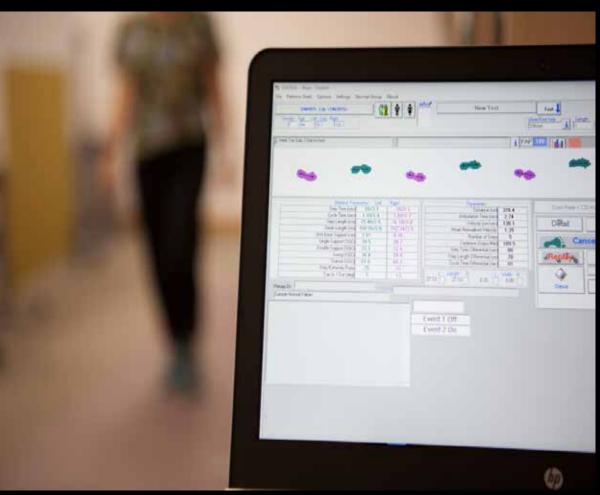
Neuropsychological testing





10:35 Gaitrite walking tests



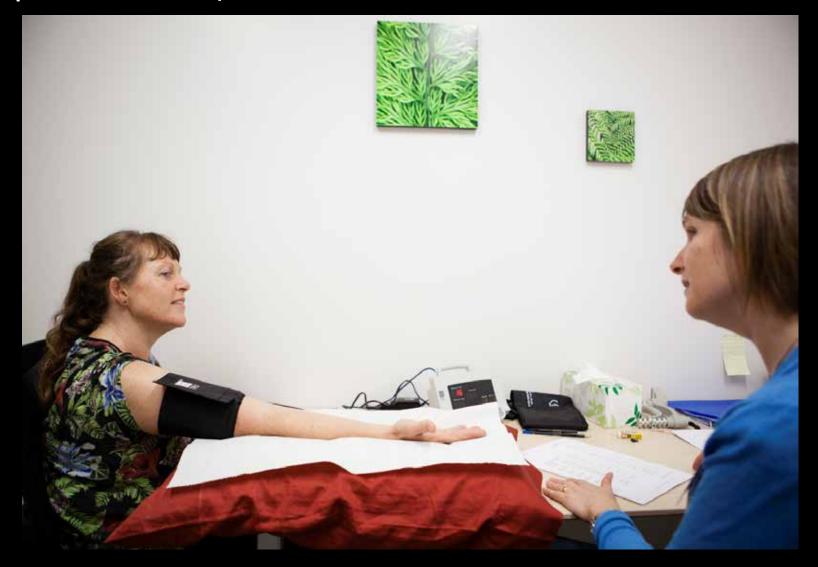


Anthropometry: Height & weight, etc.





Blood pressure (+ medical and health interviews)



Pressure pain threshold





Heightened pain sensitivity



11:30 Postural hypotension





Respiratory assessment





Plethysmograph testing of lung function



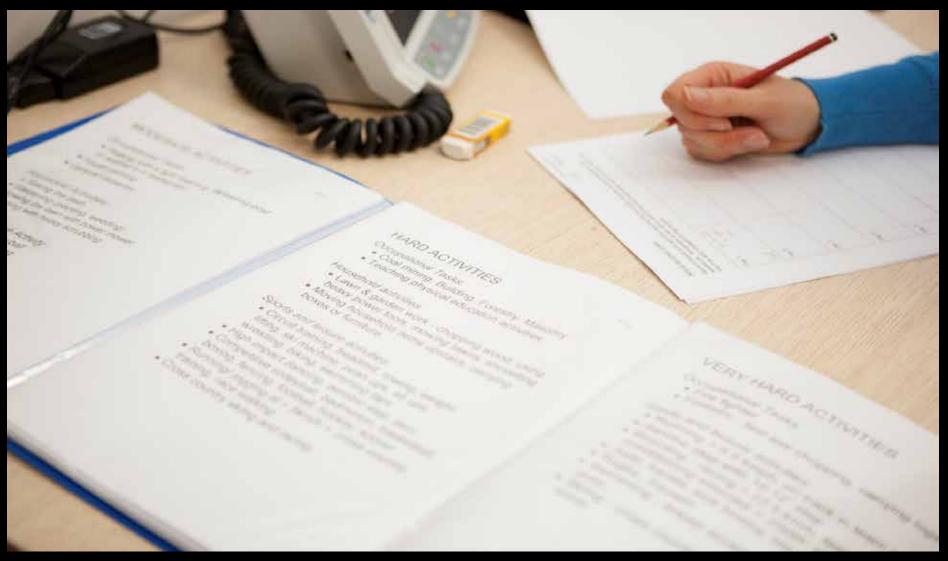


Cardio-respiratory fitness





Physical-activity interview (+ diet, sleep, etc)



12:25 Lunch



12:55 Life-history calendar, social demographics





2:45pm Clinical interview series: Mental health, illegal behavior, substance abuse, finances, work, relationships, lifestyles





Physical function: 30-seconds chair-stands



Physical function: one-leg balance





Physical function: 2-minute step-in-place



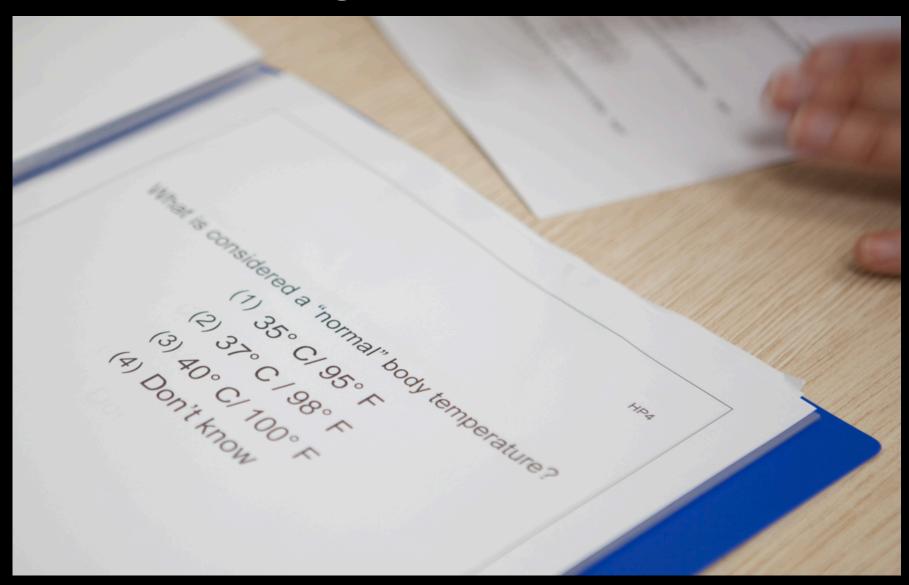
Physical function: Grip strength



Sexual & reproductive health



Health knowledge and financial knowledge

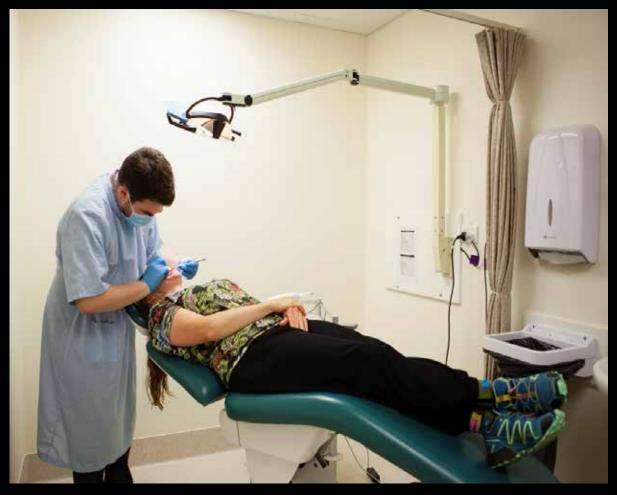


4:30pm Bone-density (DEXA) scan





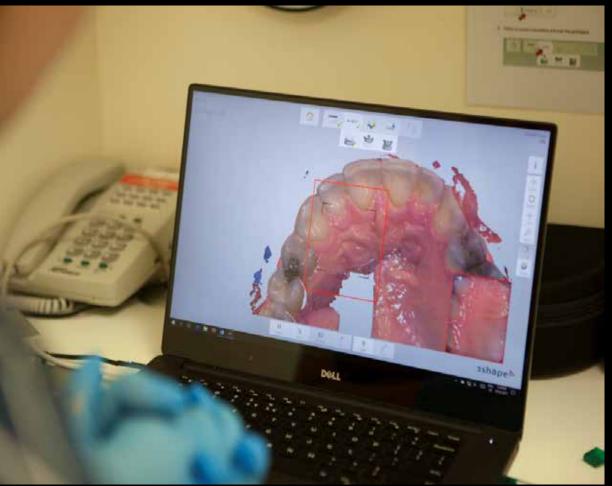
5:00 pm Dental exam



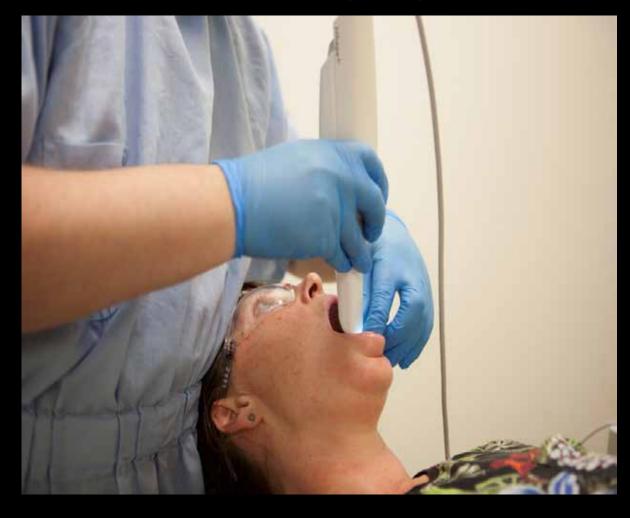


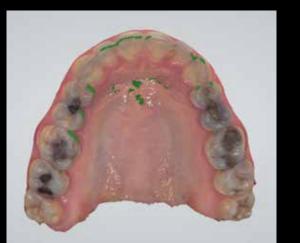
Dental imaging





Dental imaging















5:30pm: Blood draw





Laboratory biomarker assays

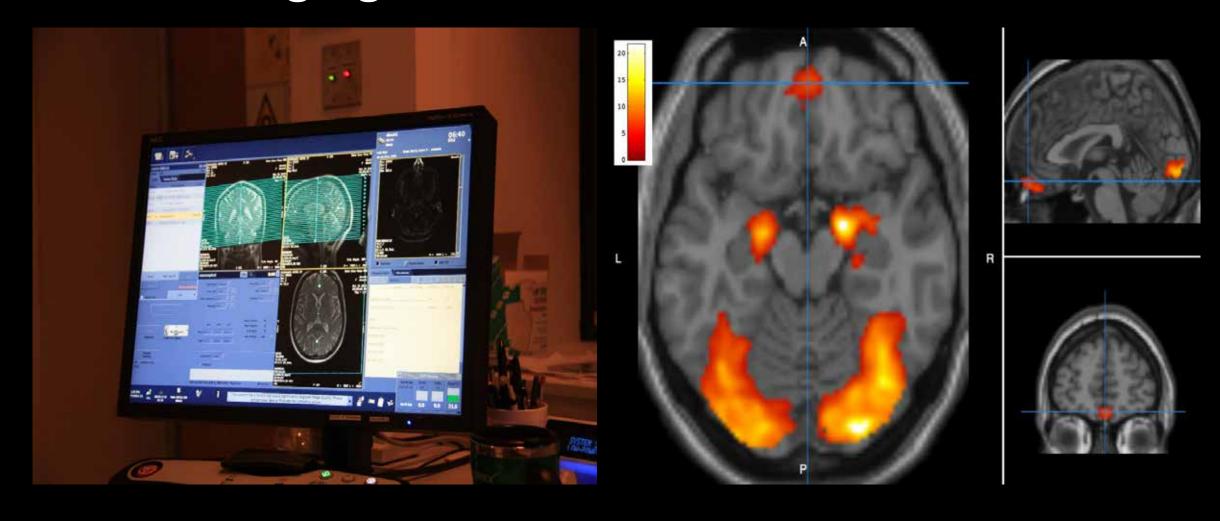


MRI brain imaging (next day)





Brain imaging: Structural & functional



MRI SUB-STUDY TEAM

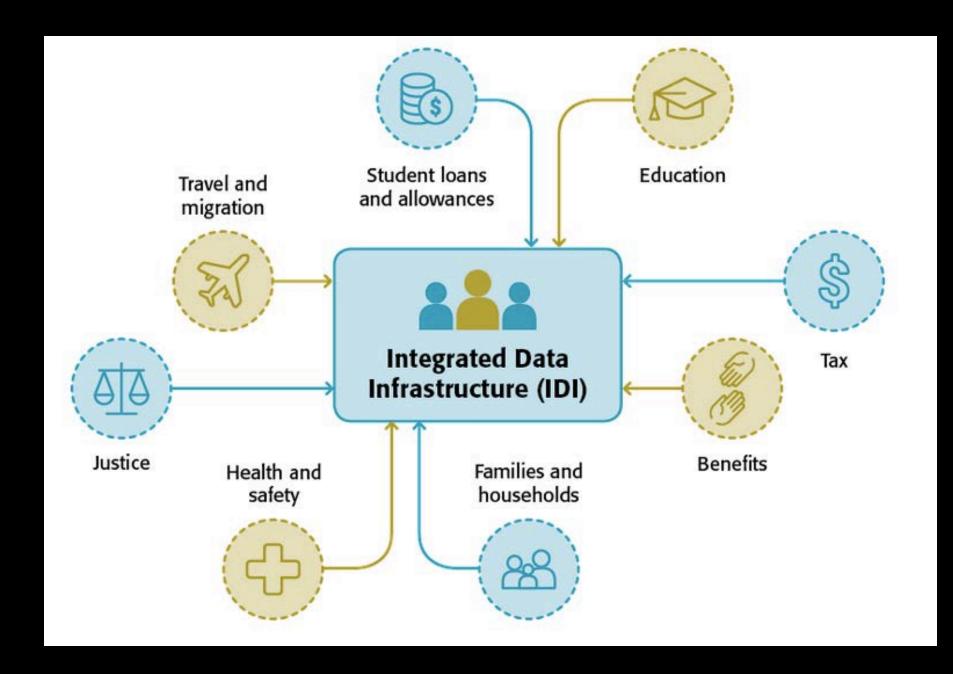


Dr. Dave Ireland Prof Ahmad Hariri Annchen Knodt





New Zealand's Administrative record data

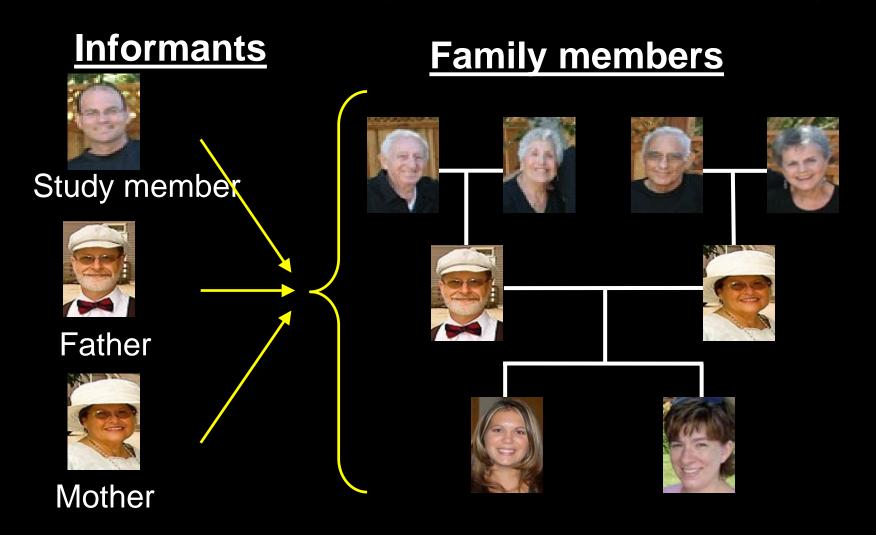


Dunedin Study participation rates

| Age | Year | Number | Percent* |
|-------|-----------|--------|----------|
| Birth | 1972-73 | | |
| 3 | 1975-76 | 1037 | 100% |
| 5 | 1977-78 | 991 | 96 |
| 7 | 1979-80 | 954 | 92 |
| 9 | 1981-82 | 955 | 92 |
| 11 | 1983-84 | 925 | 90 |
| 13 | 1985-86 | 850 | 82 |
| 15 | 1987-88 | 976 | 95 |
| 18 | 1990-91 | 993 | 97 |
| 21 | 1993-94 | 992 | 97 |
| 26 | 1998-99 | 980 | 96 |
| 32 | 2004-05 | 972 | 96 |
| 38 | 2010-12 | 961 | 95 |
| 45 | 2017-2018 | ?? | ??% |

* Percent assessed, of those who were alive at each age.

Dunedin Family Health History Study:



7-16 members per each of 1000 families, > 8,000 individuals

Director Richie Poulton



Assoc. Director Temi Moffitt



Dunedin Study Phase-45 team



Assessment Manager Sean Hogan



Data manager Antony Ambler



Research Manager Sandhya Ramrakha



Senior Research Fellow Barry Milne



Administration Jenny MacArthur



Study-Member Logistics Jen Knox



Duke University team for the Dunedin Study



Susan Harward: Grants Administrator for Duke-Dunedin subcontracts



Data and Bio-Lab
Staff for the Dunedin
Study at Duke University:











Honalee Harrington Renate Houts Prof Avshalom Caspi Ben Williams Karen Sugden

Andrea Danese, MD, PhD, King's College London





















+ Private charities and foundations