The Dunedin Longitudinal Study

Dunedin .

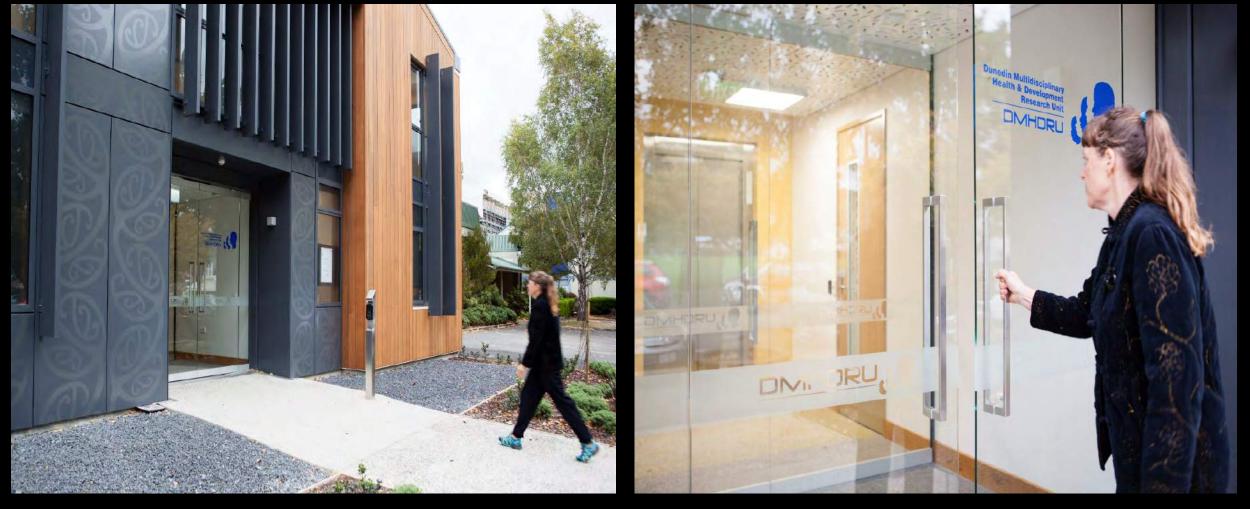
Dunedin, New Zealand



Dunedin Study Unit



8:10am: Study members arrive at the Unit



Study members' lounge



Informed consent





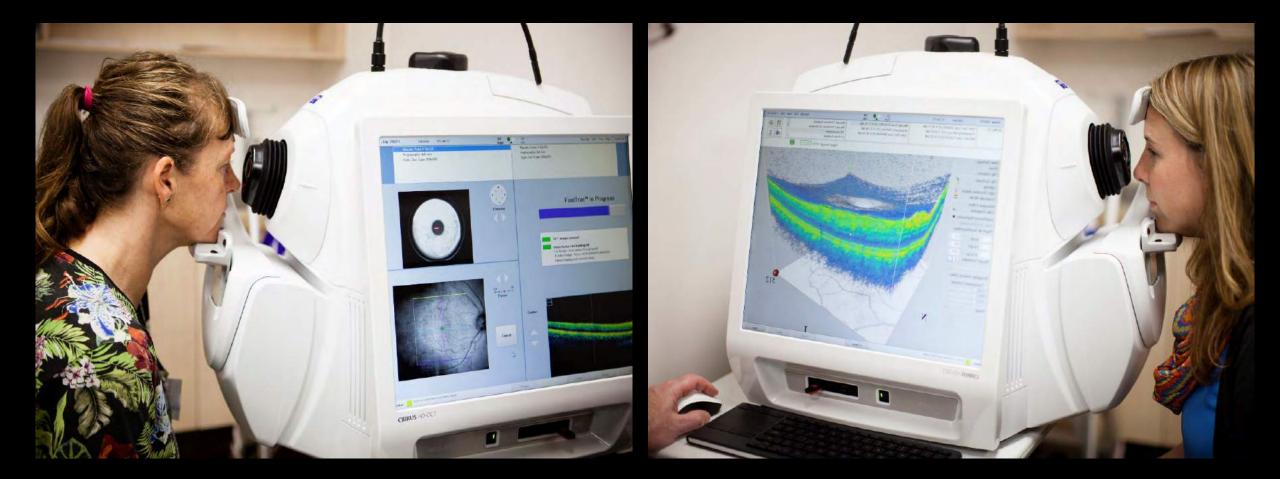
8:30 Vision testing: Acuity, contrast perception....



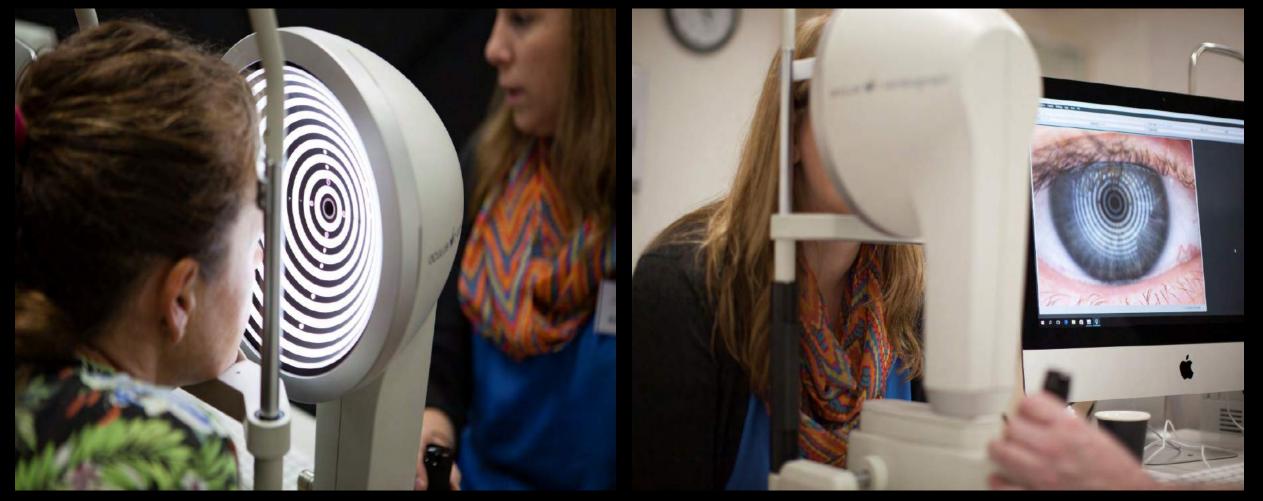
Peripheral visual field testing



Optical nerve scan



Video of the eye's moving lipid layer



Glands in the eye lid



Digital Retinal Imaging



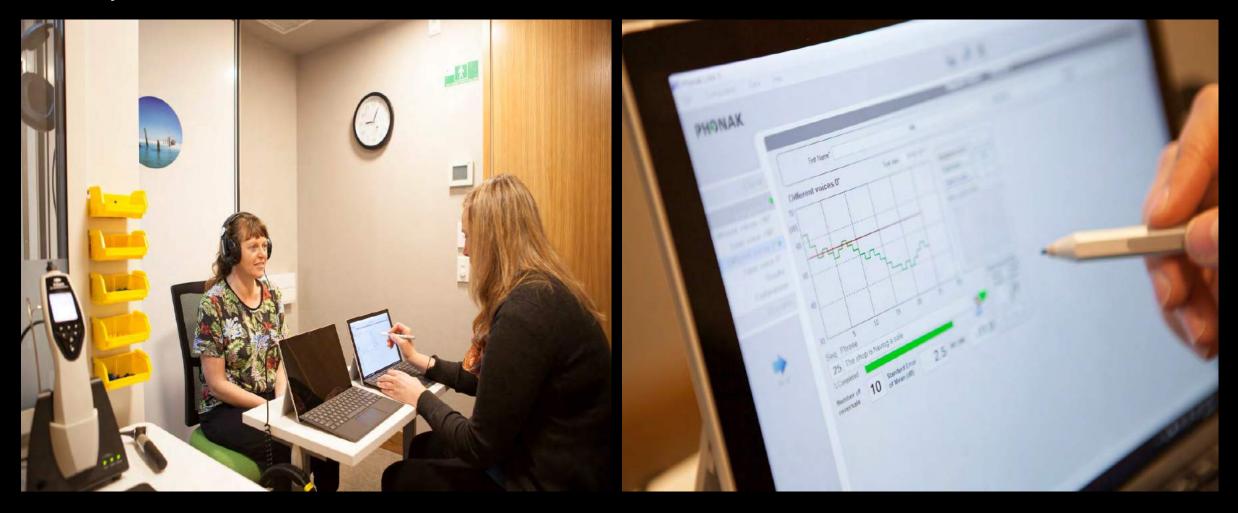
3-D Facial photography



Audiology and hearing tests



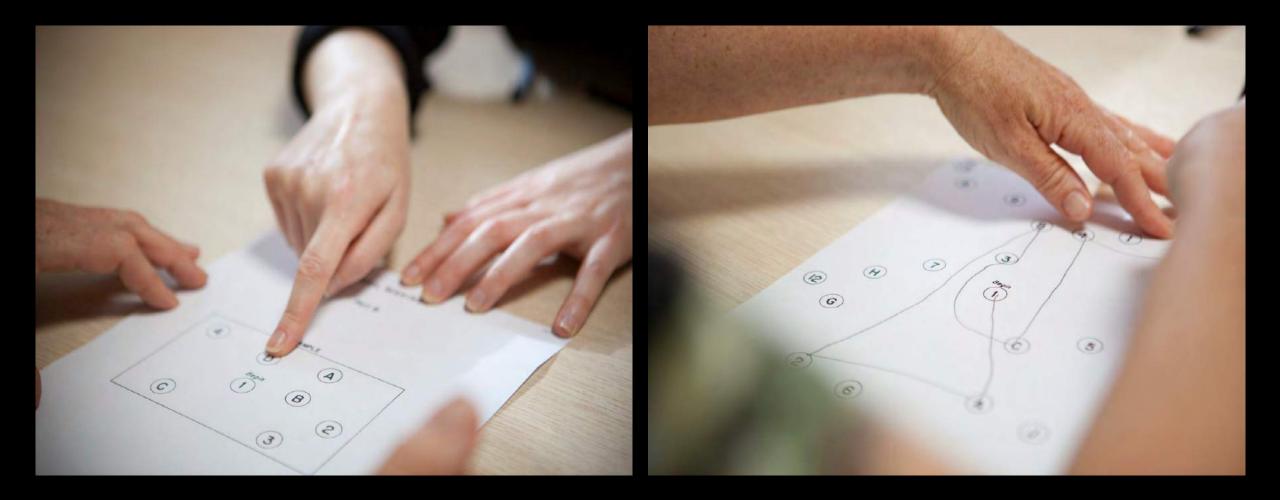
Speech-in-noise test



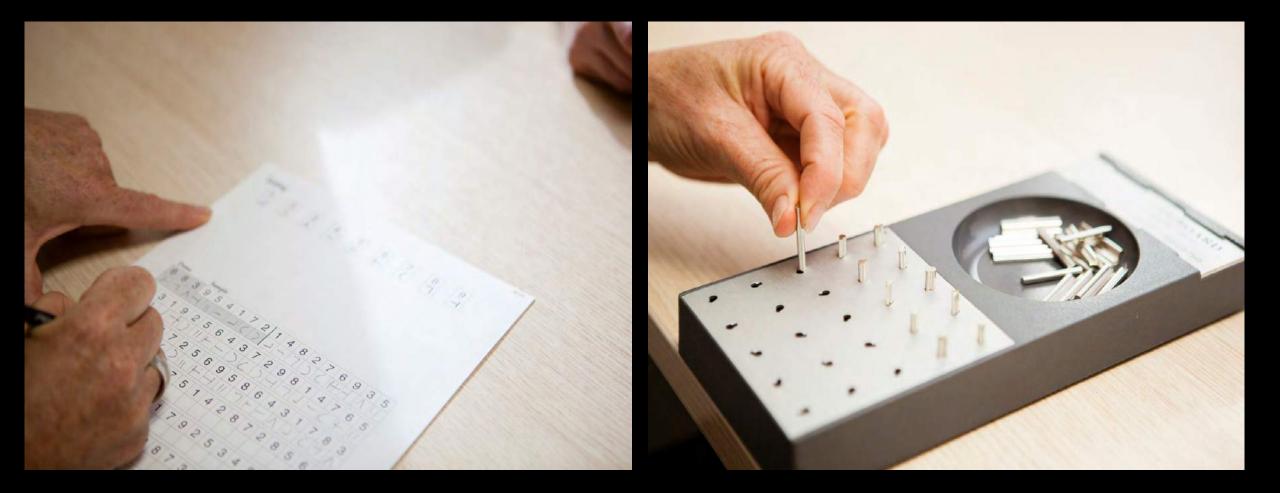
9:25 WAIS-4 IQ testing



Neuropsychological testing



Neuropsychological testing



10:35 Gaitrite walking tests



Anthropometry: Height & weight, etc.

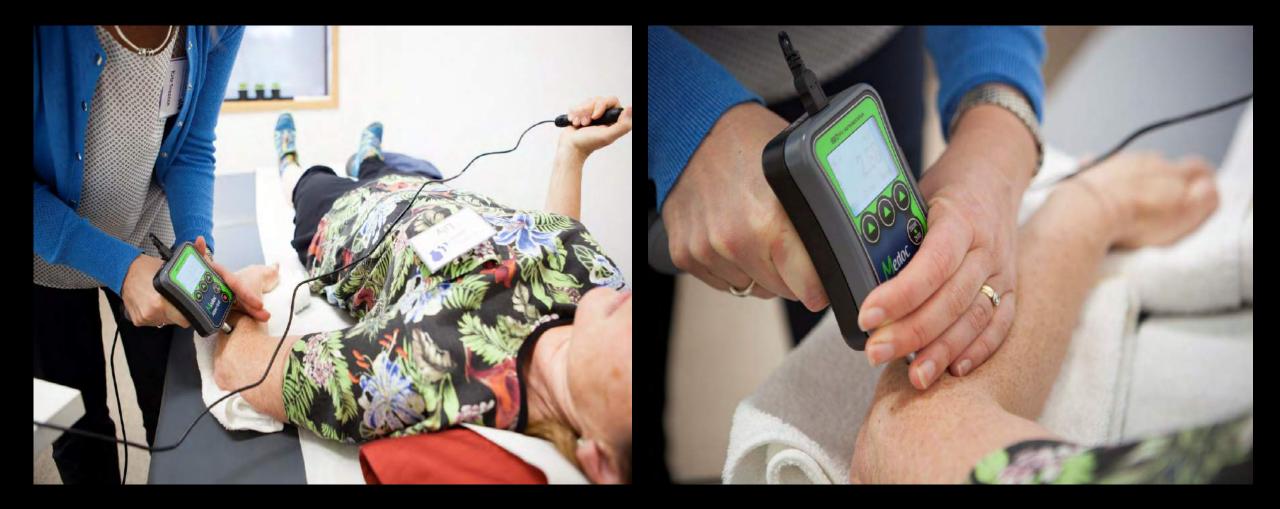




Blood pressure (+ medical and health interviews)



Pressure pain threshold



Heightened pain sensitivity



11:30 Postural hypotension



Respiratory assessment



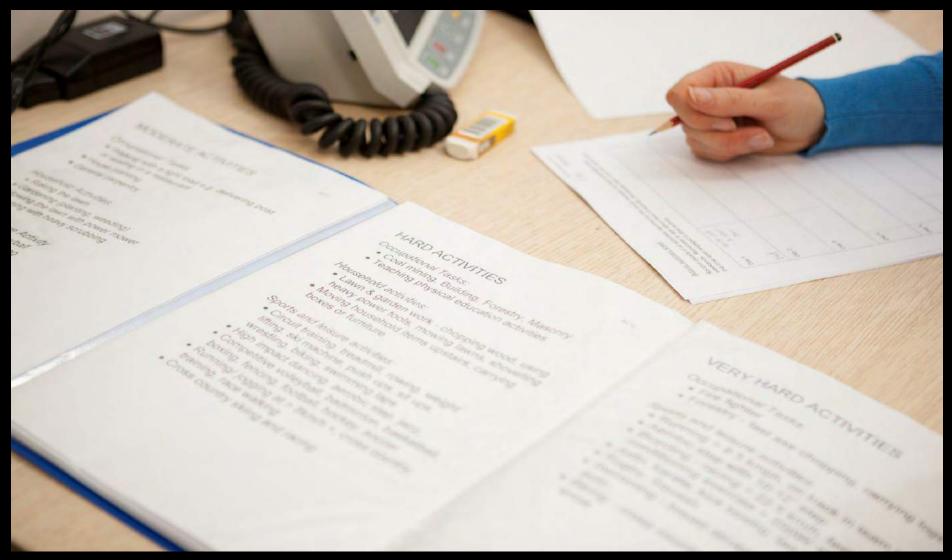
Plethysmograph testing of lung function



Cardio-respiratory fitness



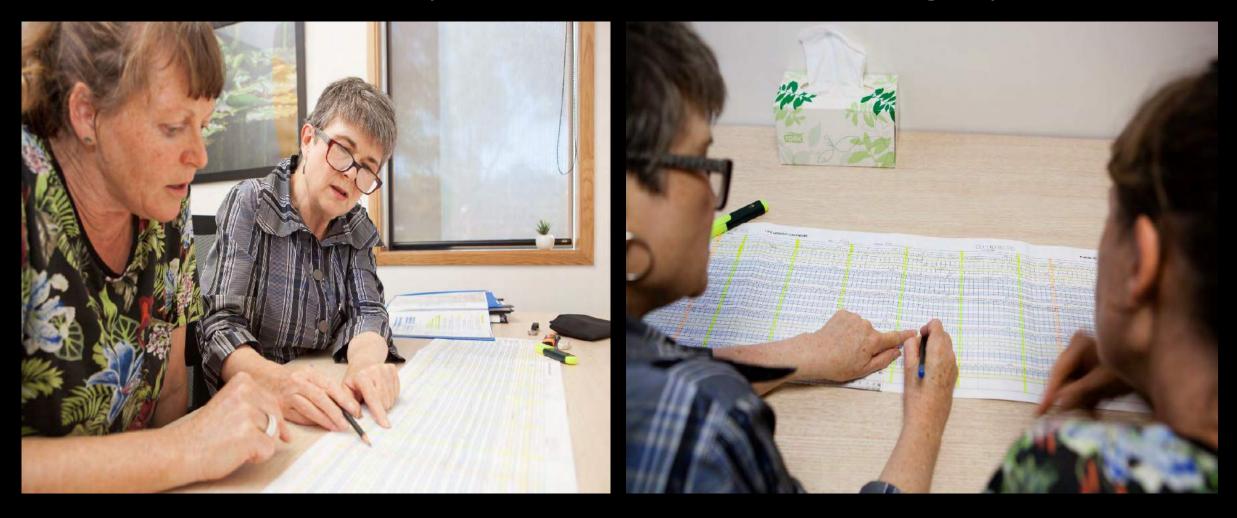
Physical-activity interview (+ diet, sleep, etc)



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



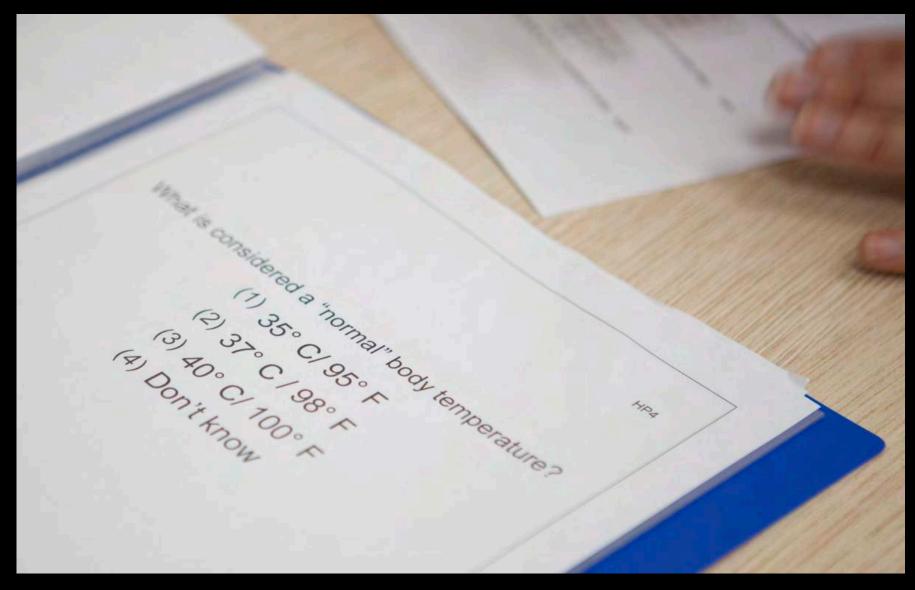
Physical function: Grip strength



Sexual & reproductive health



Health knowledge and financial knowledge



4:30pm Bone-density (DEXA) scan



5:00 pm Dental exam



Dental imaging



Dental imaging















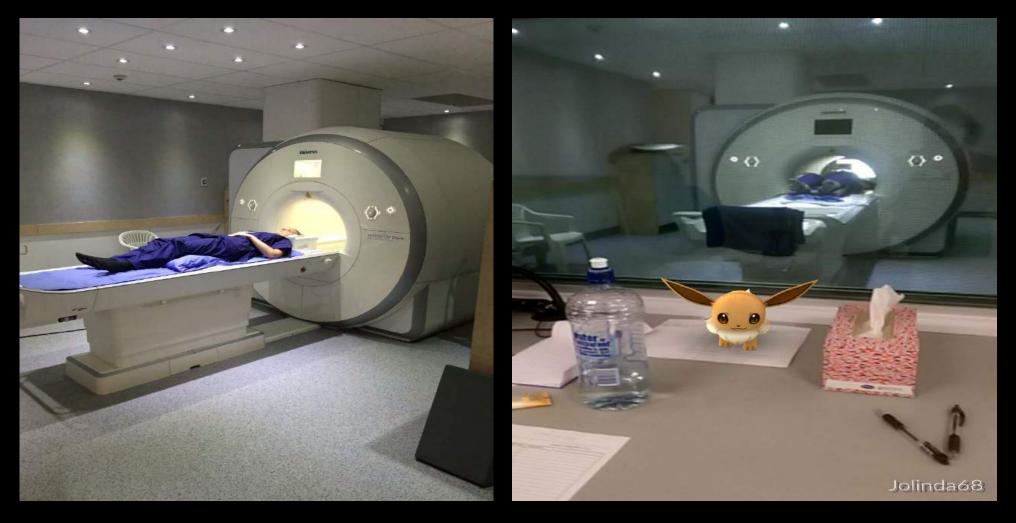
5:30pm: Blood draw



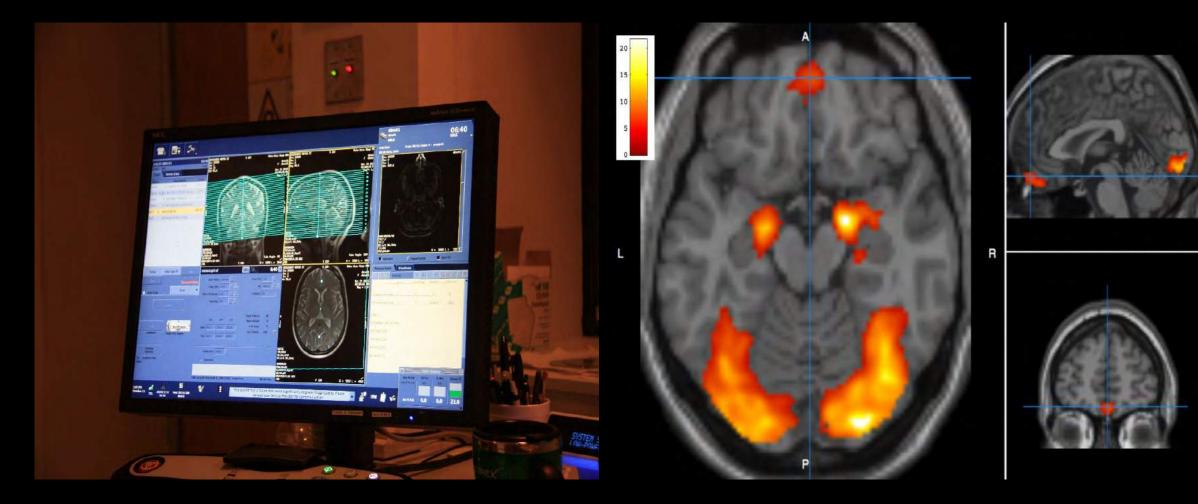
Laboratory biomarker assays



MRI brain imaging (next day)



Brain imaging: Structural & functional



MRI SUB-STUDY TEAM

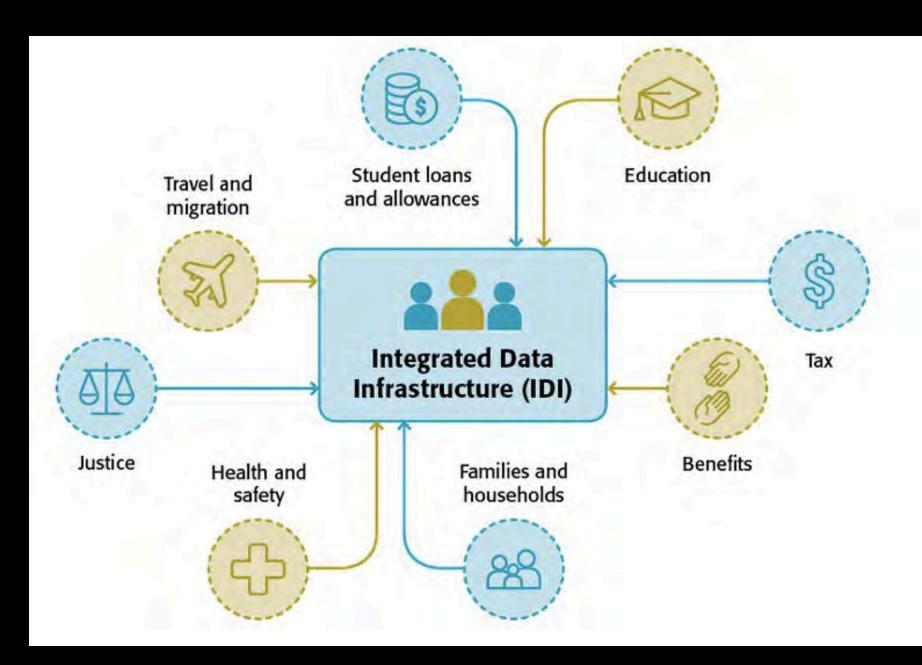
Dr. Dave Ireland Prof Ahmad Hariri Annchen Knodt







New Zealand's Administrative record data

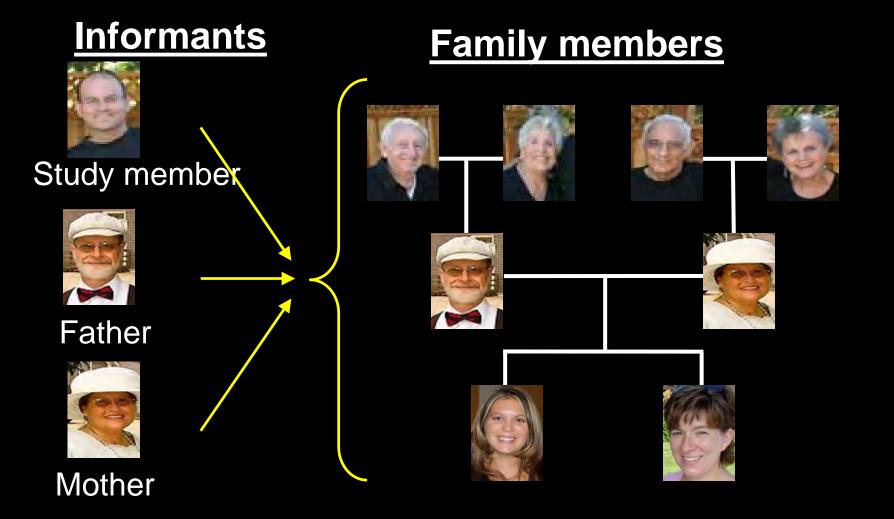


Dunedin Study participation rates

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





















Health Research Council of New Zealand

+ Private charities and foundations