The Dunedin Longitudinal Study
Dunedin, New Zealand
Dunedin Study Unit
8:10am: Study members arrive at the Unit
Study members’ lounge
Informed consent
URINE SAMPLE COLLECTION KIT

Please place your urine specimen in this box.
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

What is considered a “normal” body temperature?

(1) 35°C / 95°F
(2) 37°C / 98°F
(3) 40°C / 100°F
(4) Don’t know
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

<table>
<thead>
<tr>
<th>Age</th>
<th>Year</th>
<th>Number</th>
<th>Percent*</th>
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<tbody>
<tr>
<td>Birth</td>
<td>1972-73</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>1975-76</td>
<td>1037</td>
<td>100%</td>
</tr>
<tr>
<td>5</td>
<td>1977-78</td>
<td>991</td>
<td>96%</td>
</tr>
<tr>
<td>7</td>
<td>1979-80</td>
<td>954</td>
<td>92%</td>
</tr>
<tr>
<td>9</td>
<td>1981-82</td>
<td>955</td>
<td>92%</td>
</tr>
<tr>
<td>11</td>
<td>1983-84</td>
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<td>90%</td>
</tr>
<tr>
<td>13</td>
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<tr>
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<tr>
<td>18</td>
<td>1990-91</td>
<td>993</td>
<td>97%</td>
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<tr>
<td>21</td>
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<td>96%</td>
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<tr>
<td><strong>45</strong></td>
<td><strong>2017-2018</strong></td>
<td><strong>??</strong></td>
<td><strong>??%</strong></td>
</tr>
</tbody>
</table>

* Percent assessed, of those who were alive at each age.
Dunedin Family Health History Study:

Informants

Study member

Father

Mother

Family members

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
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