

*Towards making Ireland the best
place in the world to grow old*

tilda
Staidéar Fadaimseartha na
hÉireann um Dhul in Aois

The Irish Longitudinal
Study on Ageing

TILDA

The Irish Longitudinal Study on Ageing

MRI Study

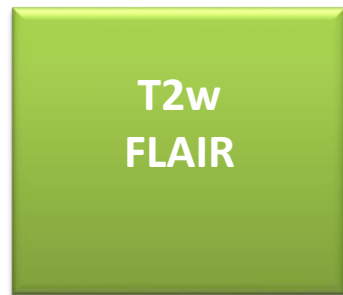
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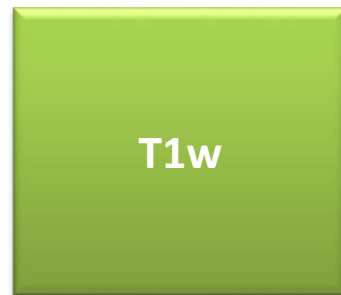
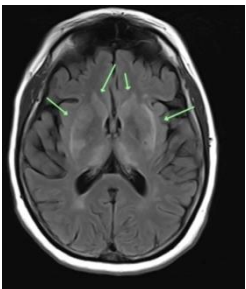
- Conducted in 2014-2015 (Wave 3)
- Random recruitment Health Centre attendees
- Targeted over 65 initially, recruited 50-64 to increase numbers
- 7 scan protocol developed with collaborators at Cardiff University
- Scan time 45 minutes, 1 hour total visit

Age	No. of Scans
50-64	127
65-74	315
75+	115
<i>Total</i>	<i>558</i>

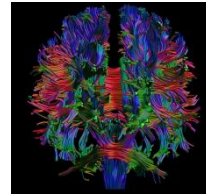
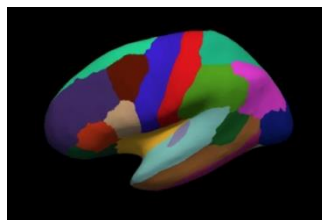
7 Scan Protocol



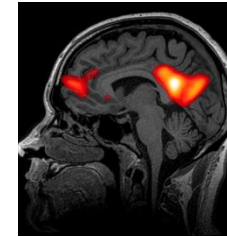
Identify
incidental
findings
(e.g. lesions)



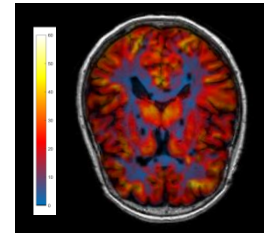
Measure brain
structure (e.g.
volume,
thickness)



Assess white
matter
microstructure;
Reconstruct
architecture
using fiber
tractography



Assess
connectivity
within distinct
functional
networks in the
brain



Assess perfusion
across the brain,
providing an
indication of
cerebrovascular
health