Power & Sample Size for Longitudinal Studies

- Known pilot estimates
- ADNI-based pilot estimates
  - » Linear mixed models of rate of change
  - » Mixed Model Repeated Measures (MMRM)
- About

Baseline selections

Inc/Exc criteria

Search...

Choose to select:	You have selected:
Age	Age
CSF Aβ42	CSF Aβ42
APOE4	APOE4
CSF Tau	CSF Tau
Diagnosis	Diagnosis

Submit selected criteria

Inclusion/Exclusion criteria

Age

53 — 92 — 100

50 55 60 65 70 75 80 85 90 95 100

APOE4 status (*Do not deselect both*)

- [x] Positive
- [x] Negative

AV45 (SUVR)

0 — 2.01

0 0.210.42 0.84 1.26 1.68 2.01

Select study duration (years)

1 — 1.5 — 5

1 1.5 2 2.5 3 3.5 4 4.5 5

Aβ42

200 — 1,700

200 350 500 650 800 950 1,100 1,400 1,700

Tau

80 — 1,300

80 202 324 446 568 690 812 934 1,056 1,300

Tau/Aβ42 ratio

0 — 2.4

0 0.24 0.48 0.72 0.96 1.2 1.44 1.68 1.92 2.16 2.4

Diagnosis (*Do not deselect all*)

- [x] CN
- [x] SMC
- [x] EMCI
- [x] LMCI
- [x] AD

MMSE

16 — 30

16 18 20 22 24 26 28 30

CDRSB

0 — 10

0 1 2 3 4 5 6 7 8 9 10

Logical Memory

0 — 23

0 3 6 9 12 15 18 21 23