Supplementary Figure S1. Demographic tables

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| --- | --- | --- | --- | --- | --- | --- |
| Gender | NACC | | | ADNI | | |
| Progression category | Female | Male | All | Female | Male | All |
| <2 years | 30 | 33 | 63 | 26 | 36 | 62 |
| <4 years | 23 | 23 | 46 | 24 | 31 | 55 |
| ≥4 years | 8 | 13 | 21 | 15 | 22 | 37 |
| Censored | 184 | 194 | 378 | 177 | 213 | 390 |
| All | 245 | 263 | 508 | 242 | 302 | 544 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| APOE | NACC | | | | ADNI | | | |
| Progression category | 0 | 1 | 2 | All | 0 | 1 | 2 | All |
| <2 years | 22 | 21 | 9 | 52 | 17 | 36 | 9 | 62 |
| <4 years | 25 | 16 | 3 | 44 | 21 | 23 | 11 | 55 |
| ≥4 years | 10 | 7 | 4 | 21 | 18 | 15 | 4 | 37 |
| Censored | 168 | 76 | 18 | 262 | 230 | 122 | 38 | 390 |
| All | 225 | 120 | 34 | 379 | 286 | 196 | 62 | 544 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Age (years) | NACC | | | | ADNI | | | |
| Progression category | <2 years | <4 years | ≥4 years | Censored | <2 years | <4 years | ≥4 years | Censored |
| count | 63 | 46 | 21 | 378 | 62 | 55 | 37 | 390 |
| mean | 75.54 | 77.02 | 77.38 | 71.06 | 72.5 | 73.47 | 74.49 | 71.55 |
| std | 8.00 | 10.89 | 10.05 | 10.75 | 7.33 | 7.19 | 7.02 | 7.72 |
| min | 59 | 38 | 56 | 27 | 55 | 57 | 60 | 55 |
| 25% | 70.5 | 72.5 | 73 | 65 | 69.25 | 69.5 | 69 | 66 |
| 50% | 76 | 79 | 78 | 73 | 74 | 74 | 75 | 71 |
| 75% | 80 | 84 | 84 | 78.75 | 76 | 78 | 79 | 77 |
| max | 94 | 93 | 95 | 96 | 87 | 87 | 88 | 91 |

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| MMSE | NACC | | | | ADNI | | | |
| Progression category | <2 years | <4 years | ≥4 years | Censored | <2 years | <4 years | ≥4 years | Censored |
| count | 33 | 34 | 21 | 112 | 62 | 55 | 37 | 390 |
| mean | 25.39 | 26.68 | 27.29 | 26.65 | 26.63 | 27.51 | 27.95 | 28.17 |
| std | 2.41 | 2.21 | 1.65 | 2.70 | 1.96 | 1.63 | 1.56 | 1.76 |
| min | 21 | 21 | 23 | 17 | 23 | 24 | 24 | 19 |
| 25% | 24 | 26 | 27 | 25 | 25 | 26 | 27 | 27 |
| 50% | 25 | 27 | 27 | 28 | 26 | 27 | 28 | 29 |
| 75% | 28 | 28 | 28 | 29 | 28 | 29 | 29 | 29 |
| max | 29 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Education | NACC | | | | ADNI | | | |
| Progression category | <2 years | <4 years | ≥4 years | Censored | <2 years | <4 years | ≥4 years | Censored |
| count | 63 | 46 | 21 | 378 | 62 | 55 | 37 | 390 |
| mean | 15.8254 | 14.9565 | 15.619 | 15.6931 | 15.7258 | 16.1091 | 16.5135 | 16.1923 |
| std | 3.07193 | 2.4491 | 2.45919 | 2.56191 | 2.93743 | 2.56524 | 2.65227 | 2.63776 |
| min | 8 | 10 | 12 | 8 | 6 | 12 | 12 | 10 |
| 25% | 13 | 13 | 14 | 14 | 14 | 14 | 14 | 14 |
| 50% | 16 | 15 | 16 | 16 | 16 | 16 | 16 | 16 |
| 75% | 18 | 16 | 18 | 18 | 18 | 18 | 19 | 18 |
| max | 20 | 20 | 19 | 22 | 20 | 20 | 20 | 20 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Aβ42 (pg/mL) | NACC | | | | ADNI | | | |
| Progression category | <2 years | <4 years | ≥4 years | Censored | <2 years | <4 years | ≥4 years | Censored |
| count | 6 | 3 | 3 | 9 | 62 | 55 | 37 | 390 |
| mean | 367.5 | 406 | 454 | 576.44 | 751.89 | 713.29 | 914.87 | 1180.63 |
| std | 76.01 | 90.52 | 174.16 | 224.42 | 335.75 | 252.65 | 465.76 | 600.83 |
| min | 276 | 345 | 300 | 352 | 267.2 | 316.1 | 408.4 | 291.1 |
| 25% | 315 | 354 | 359.5 | 436 | 561.35 | 562.9 | 568.6 | 696.68 |
| 50% | 356 | 363 | 419 | 476 | 645.6 | 684.7 | 779.8 | 1057.5 |
| 75% | 430.75 | 436.5 | 531 | 674 | 909.2 | 808.3 | 1086 | 1587 |
| max | 460 | 510 | 643 | 1065 | 1997 | 1795 | 2477 | 3331 |

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| t-tau (pg/mL) | NACC | | | | ADNI | | | |
| Progression category | <2 years | <4 years | ≥4 years | Censored | <2 years | <4 years | ≥4 years | Censored |
| count | 6 | 3 | 3 | 9 | 62 | 55 | 37 | 390 |
| mean | 727 | 709.33 | 607.67 | 519.44 | 353.52 | 374.73 | 296.75 | 250.96 |
| std | 289.87 | 452.92 | 435.26 | 334.01 | 128.40 | 154.85 | 155.43 | 112.16 |
| min | 483 | 274 | 274 | 217 | 101.2 | 130.7 | 125 | 93.85 |
| 25% | 570.75 | 475 | 361.5 | 283 | 257.63 | 265.3 | 193.7 | 174.73 |
| 50% | 611 | 676 | 449 | 447 | 328.65 | 340.7 | 277.5 | 228.9 |
| 75% | 772.75 | 927 | 774.5 | 565 | 456.6 | 453.9 | 334.2 | 295.23 |
| max | 1273 | 1178 | 1100 | 1225 | 670.1 | 816.9 | 811.7 | 851.8 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| p-tau (pg/mL) | NACC | | | | ADNI | | | |
| Progression category | <2 years | <4 years | ≥4 years | Censored | <2 years | <4 years | ≥4 years | Censored |
| count | 6 | 3 | 3 | 9 | 62 | 55 | 37 | 390 |
| mean | 60.5 | 78.67 | 61.33 | 56.89 | 35.44 | 38.16 | 28.93 | 23.72 |
| std | 4.55 | 55.47 | 34.93 | 31.41 | 14.62 | 17.72 | 16.84 | 12.83 |
| min | 52 | 32 | 30 | 24 | 8.72 | 11.79 | 9.22 | 8 |
| 25% | 59.75 | 48 | 42.5 | 35 | 23.99 | 25.27 | 17.74 | 15.62 |
| 50% | 62 | 64 | 55 | 48 | 32.41 | 34.01 | 27.88 | 20.22 |
| 75% | 63.5 | 102 | 77 | 71 | 45.89 | 49.29 | 33.56 | 27.71 |
| max | 64 | 140 | 99 | 127 | 74.45 | 92.08 | 82.04 | 103 |

Summary statistics for both the NACC and ADNI cohorts that correspond to the figures in Fig. 1. In summary, t-tau and p-tau tended to be larger in groups where persons progressed more rapidly to AD, while Aβ tended to be smaller in these groups. There were no differences between the number of APOE alleles in the average ADNI versus NACC person, and genders were also equally distributed between the two cohorts. NACC persons were in general older and had lower MMSE scores, though are also, in general, less educated than persons in the ADNI cohort.