

| Supplemental Table 1 | | | | | | | | | | | | | | | | | |
|--------------------------------|------------|---------------------|--------------------|-------------------------|---------|--------------------|--------------------|--------------------------|---------|---------------------|---------------------|-------------------------|---------|--------------------|---------------------|--------------------------|---------|
| Variables | | NC (N=275) | | | | SMC (N=100) | | | | MCI (N=559) | | | | DEMENTIA (N=143) | | | |
| | | Amyloid- (N=202) | Amyloid+ (N=73) | OR | q-value | Amyloid- (N=72) | Amyloid+ (N=28) | OR | q-value | Amyloid- (N=269) | Amyloid+ (N=290) | OR | q-value | Amyloid- (N=25) | Amyloid+ (N=118) | OR | q-value |
| Anxiety | Yes | 10 (5) | 2 (2.7) | 0.54 (0.12, 2.52) | NS | 6 (8.3) | 2 (7.1) | 0.85 (0.16, 4.49) | NS | 31 (11.5) | 55 (19) | 1.8 (1.12, 2.9) | NS | 3 (12) | 33 (28) | 2.85 (0.8, 10.16) | NS |
| Elation | Yes | 0 (0) | 0 (0) | ∞ | NS | 0 (0) | 0 (0) | ∞ | NS | 9 (3.3) | 7 (2.4) | 0.71 (0.26, 1.93) | NS | 0 (0) | 2 (1.7) | ∞ | NS |
| Hallucinations | Yes | 1 (0.5) | 0 (0) | ∞ | NS | 0 (0) | 0 (0) | ∞ | NS | 1 (0.4) | 3 (1) | 2.8 (0.29, 27.08) | NS | 0 (0) | 6 (5.1) | ∞ | NS |
| Delusions | Yes | 0 (0) | 0 (0) | ∞ | NS | 0 (0) | 0 (0) | ∞ | NS | 0 (0) | 7 (2.4) | ∞ | NS | 1 (4) | 9 (7.6) | 1.98 (0.24, 16.38) | NS |
| Apathy | Yes | 6 (3) | 0 (0) | ∞ | NS | 4 (5.6) | 1 (3.6) | 0.63 (0.07, 5.9) | NS | 40 (14.9) | 45 (15.5) | 1.05 (0.66, 1.67) | NS | 16 (64) | 44 (37.3) | 0.33 (0.13, 0.81) | NS |
| Agitation | Yes | 9 (4.5) | 1 (1.4) | 0.3 (0.04, 2.41) | NS | 3 (4.2) | 3 (10.7) | 2.76 (0.52, 14.58) | NS | 38 (14.1) | 55 (19) | 1.42 (0.9, 2.23) | NS | 9 (36) | 34 (28.8) | 0.72 (0.29, 1.79) | NS |
| Depression | Yes | 17 (8.4) | 1 (1.4) | 0.15 (0.02, 1.15) | NS | 9 (12.5) | 3 (10.7) | 0.84 (0.21, 3.36) | NS | 65 (24.2) | 78 (26.9) | 1.15 (0.79, 1.68) | NS | 7 (28) | 45 (38.1) | 1.59 (0.62, 4.11) | NS |
| Disinhibition | Yes | 5 (2.5) | 0 (0) | ∞ | NS | 1 (1.4) | 0 (0) | ∞ | NS | 24 (8.9) | 30 (10.3) | 1.18 (0.67, 2.07) | NS | 6 (24) | 20 (16.9) | 0.65 (0.23, 1.83) | NS |
| Irritability | Yes | 20 (9.9) | 4 (5.5) | 0.53 (0.17, 1.61) | NS | 9 (12.5) | 4 (14.3) | 1.17 (0.33, 4.16) | NS | 70 (26) | 76 (26.2) | 1.01 (0.69, 1.47) | NS | 4 (16) | 39 (33.1) | 2.59 (0.83, 8.07) | NS |
| Aberrant motor behavior | Yes | 2 (1) | 0 (0) | ∞ | NS | 1 (1.4) | 0 (0) | ∞ | NS | 7 (2.6) | 13 (4.5) | 1.76 (0.69, 4.48) | NS | 2 (8) | 19 (16.1) | 2.21 (0.48, 10.17) | NS |
| Sleep disturbance | Yes | 22 (10.9) | 7 (9.6) | 0.87 (0.36, 2.13) | NS | 17 (23.6) | 2 (7.1) | 0.25 (0.05, 1.16) | NS | 55 (20.4) | 59 (20.3) | 0.99 (0.66, 1.49) | NS | 4 (16) | 19 (16.1) | 1.01 (0.31, 3.28) | NS |
| Appetite changes | Yes | 3 (1.5) | 0 (0) | ∞ | NS | 3 (4.2) | 1 (3.6) | 0.85 (0.08, 8.53) | NS | 25 (9.3) | 21 (7.2) | 0.76 (0.41, 1.39) | NS | 9 (36) | 25 (21.2) | 0.48 (0.19, 1.21) | NS |