**Supplementary Materials**

**A: Comparison of participants included and excluded in dementia type subsample**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Characteristic** | | **Included**  **(N = 479)**  **N (%)** | **Excluded**  **(N = 1,043)**  **N (%)** | **p** |
| Gender |  |  |  |  |
| Male | 214 (44.68) | 433 (41.51) | .22 |
| Female | 265 (55.32) | 606 (58.10) |  |
|  | Missing/Prefer not to say | 0 (0.00) | 4 (0.38) |  |
| Ethnicity |  |  |  |  |
|  | White | 384 (80.17) | 825 (79.10) | .33 |
|  | Mixed | 7 (1.46) | 8 (0.77) |  |
|  | Asian | 16 (3.34) | 52 (4.99) |  |
|  | Black | 13 (2.71) | 41 (3.93) |  |
|  | Other | 6 (1.25) | 16 (1.53) |  |
|  | Missing/Prefer not to say | 53 (11.06) | 101 (9.68) |  |
| Employment status |  |  |  |  |
| Unemployed | 112 (23.38) | 308 (29.53) | <.001 |
| Employed | 45 (9.39) | 122 (11.70) |  |
| Retired | 291 (60.75) | 509 (48.80) |  |
|  | Missing/Prefer not to say | 31 (6.47) | 104 (9.97) |  |
| LTC case |  |  |  |  |
| Yes | 234 (48.85) | 526 (50.43) | .80 |
| No | 126 (26.30) | 259 (24.83) |  |
|  | Missing/Prefer not to say | 119 (24.84) | 258 (24.74) |  |
| Psychotropic medication |  |  |  |  |
| Taking | 264 (55.11) | 550 (52.73) | .06 |
| Not taking | 151 (31.52) | 303 (29.05) |  |
|  | Missing/Prefer not to say | 64 (13.36) | 190 (18.22) |  |
| Age at dementia diagnosis |  |  |  |  |
| <65 | 190 (39.67) | 485 (46.50) | .01 |
| 65+ | 289 (60.33) | 558 (53.50) |  |
| Appointment year |  |  |  |  |
| 2012 | 6 (1.25) | 12 (1.15) | .01 |
| 2013 | 21 (4.38) | 52 (4.99) |  |
| 2014 | 50 (10.44) | 110 (10.55) |  |
| 2015 | 66 (13.78) | 208 (19.94) |  |
| 2016 | 93 (19.42) | 218 (20.90) |  |
| 2017 | 91 (19.00) | 210 (20.13) |  |
| 2018 | 125 (26.10) | 189 (18.12) |  |
| 2019 | 27 (5.64) | 44 (4.22) |  |
| Reliable improvement |  |  |  |  |
| Yes | 309 (64.51) | 625 (59.92) | .09 |
| No | 170 (35.49) | 418 (40.08) |  |
| Reliable recovery |  |  |  |  |
|  | Yes | 219 (45.72) | 414 (39.69) | .03 |
|  | No | 260 (54.28) | 629 (60.31) |  |
| Reliable deterioration |  |  |  |  |
| Yes | 33 (6.89) | 97 (9.30) | .12 |
| No | 446 (93.11) | 946 (90.70) |  |
| Dropout |  |  |  |  |
|  | Yes | 100 (20.88) | 231 (22.15) | .42 |
|  | No | 267 (55.74) | 550 (52.73) |  |
|  | | **Mean (SD)** | **Mean (SD)** | **P** |
| Age at referral | | 67.38 (15.98) | 65.26 (16.35) | .02 |
| IMD decile | | 5.05 (2.84) | 4.62 (2.79) | .01 |
| Baseline depression severity (PHQ-9) | | 15.76 (5.78) | 15.67 (5.62) | .76 |
| Baseline anxiety severity (GAD-7) | | 13.11 (4.97) | 13.11 (4.94) | .98 |
| Baseline functioning (WSAS) | | 16.56 (9.23) | 17.09 (9.95) | .40 |
| Waiting time (weeks) | | 10.97 (9.00) | 10.09 (8.36) | .08 |
| Dementia diagnosis to treatment (weeks) | | 125.66 (203.07) | 91.18 (87.65) | <.001 |
| Number of sessions | | 5.63 (3.88) | 5.49 (4.03) | .53 |

Independent t-tests were used for continuous variables and chi-square tests were used for categorical variables

**B: Symptom scale cut-offs (NHS Digital, 2019)**

|  |  |  |
| --- | --- | --- |
| **Symptom Scale** | **Caseness** | **Change (improvement/deterioration)** |
| Patient Health Questionnaire | ≥10 | 6 |
| Generalised Anxiety Disorder Scale | ≥8 | 4 |
| Agoraphobia Morbidity Inventory | ≥2.3 | 0.73 |
| Social Phobia Inventory | ≥19 | 10 |
| Panic Disorder Severity Scale | ≥8 | >5 |
| Impact of Events Scale (PTSD) | 33 | 9 |
| Obsessive Compulsive Inventory | ≥40 | 32 |
| Health Anxiety Inventory | ≥18 | 4 |

**C: Comparison of complete data sample and missing data sample (full sample)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Characteristic** | | **Complete data**  **(N = 728)**  **N (%)** | **Missing data**  **(N = 794)**  **N (%)** | **p** |
| Gender |  |  |  |  |
| Male | 325 | 322 | .13 |
| Female | 403 | 468 |  |
| Ethnicity |  |  |  |  |
|  | White | 657 | 552 | .01 |
|  | Mixed | 4 | 11 |  |
|  | Asian | 36 | 32 |  |
|  | Black | 18 | 36 |  |
|  | Other | 13 | 9 |  |
| Employment status |  |  |  |  |
| Unemployed | 226 | 194 | .23 |
| Employed | 96 | 71 |  |
| Retired | 406 | 394 |  |
| LTC case |  |  |  |  |
| Yes | 475 | 285 | .29 |
| No | 253 | 132 |  |
| Psychotropic medication |  |  |  |  |
| Taking | 494 | 320 | .002 |
| Not taking | 234 | 220 |  |
| Age at dementia diagnosis |  |  |  |  |
| <65 | 358 | 317 | <.001 |
| 65+ | 370 | 477 |  |
| Appointment year |  |  |  |  |
| 2012 | 0 (0.00) | 18 (2.27) | <.001 |
| 2013 | 0 (0.00) | 73 (9.19) |  |
| 2014 | 15 (2.06) | 145 (18.26) |  |
| 2015 | 104 (14.29) | 170 (21.41) |  |
| 2016 | 163 (22.39) | 148 (18.64) |  |
| 2017 | 179 (24.59) | 122 (15.37) |  |
| 2018 | 209 (28.71) | 105 (13.22) |  |
| 2019 | 58 (7.97) | 13 (1.64) |  |
| Reliable improvement |  |  |  |  |
| Yes | 476 (65.38) | 458 (57.68) | .002 |
| No | 252 (34.62) | 336 (42.32) |  |
| Reliable recovery |  |  |  |  |
|  | Yes | 319 (43.82) | 314 (39.55) | .09 |
|  | No | 409 (56.18) | 480 (60.45) |  |
| Reliable deterioration |  |  |  |  |
| Yes | 61 (8.38) | 69 (8.69) | .83 |
| No | 667 (91.62) | 725 (91.31) |  |
| Dropout |  |  |  |  |
|  | Yes | 166 (22.80) | 165 (20.78) | .03 |
|  | No | 468 (64.29) | 349 (43.95) |  |
|  | | **Mean (SD)** | **Mean (SD)** | **P** |
| Age at referral | | 64.15 (15.46) | 67.57 (16.55) | <.001 |
| IMD decile | | 5.16 (2.84) | 4.36 (2.74) | <.001 |
| Baseline depression severity (PHQ-9) | | 16.43 (5.71) | 15.03 (5.55) | <.001 |
| Baseline anxiety severity (GAD-7) | | 13.70 (4.91) | 12.56 (4.92) | <.001 |
| Baseline functioning (WSAS) | | 17.41 (9.36) | 15.92 (10.32) | .02 |
| Waiting time (weeks) | | 10.81 (8.07) | 9.85 (9.12) | .04 |
| Dementia diagnosis to treatment (weeks) | | 109.21 (146.55) | 95.45 (125.16) | .05 |
| Number of sessions | | 6.24 (4.20) | 4.88 (3.66) | <.001 |

Independent t-tests were used for continuous variables and chi-square tests were used for categorical variables

**D: Association between dementia-specific variables and secondary outcomes**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **PHQ-9 change** | | | **GAD-7 change** | | | **Reliable improvement** | | |
| **B** | **se** | **p** | **B** | **se** | **p** | **OR** | **95% CI** | **p** |
| **AD (ref) vs VaD** | -.02 | .69 | .74 | -.01 | .60 | .84 | .81 | .52, 1.25 | .34 |
| **AD (ref) vs FTD** | -.01 | 1.08 | .84 | -.08 | .92 | .19 | .69 | .37, 1.29 | .24 |
| **AD (ref) vs Atyp** | -.05 | .94 | .36 | .03 | .77 | .58 | 1.04 | .58, 1.88 | .90 |
| **VaD (ref) vs FTD** | .001 | 1.08 | .99 | -.08 | .96 | .25 | .85 | .44, 1.62 | .62 |
| **VaD (ref) vs Atyp** | -.05 | .94 | .51 | .05 | .79 | .49 | 1.28 | .69, 2.38 | .43 |
| **Atyp (ref) vs FTD** | .04 | 1.34 | .64 | -.15 | 1.05 | .12 | .66 | .31, 1.42 | .29 |
| **Age at dementia diagnosis (<65 vs 65+)** | .08 | .62 | .08 | **.11** | **.52** | **.02** | **1.87** | **1.28, 2.74** | **.001** |
| **Diagnosis to treatment** | -.02 | .001 | .67 | -.02 | .001 | .61 | .99 | .99, 1.00 | .06 |

Linear regression models were used for change outcomes and logistic regression models were used for reliable improvement

**E: Predictors of primary psychological therapy outcomes in PLWD (unadjusted models)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Reliable improvement** | | | | **Reliable Recovery** | | | | **Reliable deterioration** | | | | **Dropout** | | | |
| **N** | **OR** | **95% CI** | **p** | **N** | **OR** | **95% CI** | **p** | **N** | **OR** | **95% CI** | **p** | **N** | **OR** | **95% CI** | **p** |
| **Gender (Male REF)** | 1,522 | 1.32 | 1.08, 1.63 | .01 | 1,522 | 1.22 | .99, 1.50 | .06 | 1,518 | .88 | .62, 1.27 | .51 | 1,148 | 1.07 | .83, 1.39 | .60 |
| **IMD Decile** | 1,473 | 1.09 | 1.05, 1.13 | <.001 | 1,473 | 1.08 | 1.04, 1.12 | <.001 | 1,473 | 1.00 | .93, 1.06 | .89 | 1,120 | .91 | .87, .95 | <.001 |
| **Age at referral (<65 [REF] vs 65+)** | 1,522 | 1.43 | 1.16, 1.77 | .001 | 1,522 | 2.09 | 1.68, 2.59 | <.001 | 1,522 | .71 | .50, 1.02 | .07 | 1,148 | .60 | .46, .78 | <.001 |
| **Employment status: employed (REF) vs unemployed** | 1,522 | .83 | .58, 1.20 | .33 | 1,522 | .60 | .42, .88 | .01 | 1,522 | 1.16 | .64, 2.11 | .63 | 1,148 | 1.27 | .82, 1.97 | .28 |
| **Employment status: employed (REF) vs retired** | 1,522 | 1.24 | .88, 1.75 | .21 | 1,522 | 1.34 | .95, 1.88 | .09 | 1,522 | .79 | .45, 1.41 | .43 | 1,148 | .70 | .46, 1.06 | .09 |
| **LTC Case (No LTC REF)** | 1,522 | 1.03 | .80, 1.33 | .82 | 1,522 | .87 | .68, 1.12 | .28 | 1,522 | .97 | .63, 1.48 | .88 | 1,148 | .96 | .70, 1.32 | .80 |
| **Psychotropic medication (Not taking REF)** | 1,522 | .74 | .58, .94 | .02 | 1,522 | .65 | .52, .82 | <.001 | 1,522 | 1.28 | .83, 1.96 | .26 | 1,148 | 1.33 | .98, 1.80 | .06 |
| **Baseline depression severity (PHQ-9)** | 1,522 | 1.02 | 1.00, 1.04 | .04 | 1,522 | .93 | .91, .95 | <.001 | 1,522 | .94 | .91, .97 | <.001 | 1,148 | 1.04 | 1.02, 1.07 | .001 |
| **Baseline anxiety severity (GAD-7)** | 1,522 | 1.04 | 1.02, 1.06 | <.001 | 1,522 | .94 | .92, .96 | <.001 | 1,522 | .91 | .88, .94 | <.001 | 1,148 | 1.05 | 1.02, 1.08 | .001 |
| **Baseline work and social functioning (WSAS)** | 1,098 | .98 | .97, .99 | .01 | 1,098 | .96 | .95, .97 | <.001 | 1,098 | .99 | .97, 1.01 | .42 | 925 | 1.03 | 1.02, 1.05 | <.001 |
| **WSAS Item 1: Ability to work** | 1,103 | 1.02 | .97, 1.06 | .47 | 1,103 | .99 | .95, 1.03 | .57 | 1,103 | 1.01 | .94, 1.08 | .88 | 930 | 1.01 | .96, 1.06 | .78 |
| **WSAS Item 2: Home management** | 1,125 | .97 | .93, 1.02 | .25 | 1,125 | .94 | .90, .98 | .004 | 1,125 | .95 | .88, 1.03 | .21 | 947 | 1.02 | .96, 1.07 | .54 |
| **WSAS Item 3: Social leisure activities** | 1,123 | .97 | .92, 1.01 | .12 | 1,123 | .89 | .85, .93 | <.001 | 1,123 | 1.00 | .93, 1.08 | .99 | 945 | 1.09 | 1.04, 1.15 | .001 |
| **WSAS Item 4: Private leisure activities** | 1,125 | .96 | .92, 1.00 | .05 | 1,125 | .88 | .84, .92 | <.001 | 1,125 | .99 | .92, 1.06 | .76 | 947 | 1.11 | 1.05, 1.17 | <.001 |
| **WSAS Item 5: Close relationships** | 1,128 | .94 | .90, .99 | .01 | 1,128 | .88 | .85, .93 | <.001 | 1,128 | .99 | .92, 1.07 | .84 | 950 | 1.06 | 1.01, 1.12 | .03 |
| **Waiting time** | 1,345 | 1.01 | 1.00, 1.02 | .17 | 1,345 | 1.00 | .99, 1.02 | .55 | 1,345 | 1.00 | .98, 1.02 | .97 | 1,044 | .99 | .98, 1.01 | .35 |
| **Number of sessions** | 1,522 | 1.11 | 1.08, 1.15 | <.001 | 1,522 | 1.08 | 1.05, 1.11 | <.001 | 1,522 | .99 | .94, 1.04 | .61 | 1,148 | .81 | .77, .85 | <.001 |
| **Age at dementia diagnosis (<65 [ref] vs 65+)** | 1,522 | 1.31 | 1.07, 1.61 | .01 | 1,522 | 1.92 | 1.56, 2.37 | <.001 | 1,522 | .71 | .49, 1.01 | .06 | 1,148 | .63 | .48, .81 | <.001 |

Logistic regression models were used

**F: Predictors of secondary psychological therapy outcomes in PLWD**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **PHQ-9 change**  **(N = 1,080)** | | | **GAD-7 change**  **(N = 1,080)** | | | **Reliable improvement**  **(N = 1,079)** | | |
| **B** | **se** | **p** | **B** | **se** | **p** | **OR** | **95% CI** | **p** |
| **Gender (Male REF)** | .04 | .38 | .16 | .04 | .32 | .13 | **1.32** | **1.01, 1.71** | **.04** |
| **IMD Decile** | .01 | .07 | .78 | .01 | .06 | .61 | 1.04 | .99, 1.09 | .12 |
| **Age at referral (<65 [REF] vs 65+)** | **.18** | **.89** | **.01** | **.19** | **.76** | **.003** | **2.11** | **1.10, 4.04** | **.02** |
| **Psychotropic medication (Not taking REF)** | **-.08** | **.42** | **.01** | **-.07** | **.35** | **.03** | **.62** | **.46, .84** | **.002** |
| **Baseline depression severity (PHQ9)** | **.50** | **.04** | **<.001** | **-.09** | **.03** | **.01** | 1.02 | .99, 1.04 | .21 |
| **Baseline anxiety severity (GAD7)** | -.04 | .05 | .21 | **.52** | **.04** | **<.001** | **1.06** | **1.03, 1.09** | **<.001** |
| **Baseline functioning (WSAS)** | **-.12** | **.02** | **<.001** | **-.09** | **.02** | **.002** | **.98** | **.96, .99** | **.002** |
| **Number of sessions** | **.19** | **.05** | **<.001** | **.17** | **.04** | **<.001** | **1.10** | **1.06, 1.14** | **<.001** |
| **Age at dementia diagnosis (<65 [REF] vs 65+)** | -.06 | .90 | .36 | -.07 | .76 | .31 | .70 | .36, 1.35 | .29 |

Linear regression models were used for change outcomes and logistic regression models were used for reliable improvement

**G: Sensitivity analysis using individual WSAS items\***

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Reliable Recovery**  **(N = 1,100)** | | | **Reliable deterioration**  **(N = 1,100)** | | | **Dropout**  **(N = 929)** | | |
| **OR** | **95% CI** | **p** | **OR** | **95% CI** | **p** | **OR** | **95% CI** | **P** |
| **Gender (Male REF)** | 1.08 | .83, 1.40 | .58 | .96 | .62, 1.49 | .86 | 1.07 | .78, 1.47 | .69 |
| **IMD Decile** | 1.00 | .95, 1.05 | .96 | 1.00 | .92, 1.08 | .95 | .96 | .90, 1.02 | .17 |
| **Age at referral (<65 [REF] vs 65+)** | **2.11** | **1.14, 3.91** | **.02** | 1.06 | .41, 2.72 | .90 | .53 | .25, 1.14 | .10 |
| **Psychotropic medication (Not taking REF)** | **.69** | **.52, .91** | **.01** | **1.76** | **1.06, 2.91** | **.03** | 1.14 | .80, 1.63 | .47 |
| **Baseline depression severity (PHQ-9)** | **.95** | **.92, .98** | **<.001** | **.93** | **.89, .98** | **.01** | 1.00 | .96, 1.03 | .81 |
| **Baseline anxiety severity (GAD-7)** | .99 | .96, 1.03 | .74 | **.88** | **.84, .93** | **<.001** | **1.06** | **1.02, 1.10** | **.004** |
| **WSAS Item 2: Home management** | 1.04 | .98, 1.11 | .16 | .94 | .85, 1.04 | .20 | **.92** | **.85, .99** | **.03** |
| **WSAS Item 3: Social leisure activities** | .97 | .91, 1.03 | .31 | 1.07 | .97, 1.19 | .18 | **1.09** | **1.00, 1.18** | **.05** |
| **WSAS Item 4: Private leisure activities** | .94 | .89, 1.01 | .08 | 1.03 | .93, 1.15 | .56 | 1.07 | .99, 1.16 | .09 |
| **WSAS Item 5: Close relationships** | **.94** | **.89, 1.00** | **.04** | 1.04 | .95, 1.14 | .42 | 1.00 | .93, 1.07 | .96 |
| **Number of sessions** | **1.12** | **1.08, 1.16** | **<.001** | .98 | .92, 1.04 | .43 | **.76** | **.71, .81** | **<.001** |
| **Age at dementia diagnosis (<65 [REF] vs 65+)** | .76 | .41, 1.40 | .38 | .54 | .21, 1.41 | .21 | 1.03 | .47, 2.24 | .94 |

Logistic regression models were used

\*Adjusted for all other variable

**H: Sensitivity analysis including appointment year\***

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Reliable Recovery**  **(N = 1.079)** | | | **Reliable deterioration**  **(N = 1,079)** | | | **Dropout**  **(N = 912)** | | |
| **OR** | **95% CI** | **p** | **OR** | **95% CI** | **p** | **OR** | **95% CI** | **p** |
| **Gender (Male REF)** | 1.09 | .84, 1.41 | .54 | .90 | .58, 1.39 | .63 | 1.08 | .78, 1.49 | .63 |
| **IMD Decile** | 1.01 | .96, 1.06 | .63 | .99 | .91, 1.07 | .72 | .95 | .90, 1.01 | .11 |
| **Age at referral (<65 [REF] vs 65+)** | **1.97** | **1.07, 3.63** | **.03** | 1.09 | .43, 2.79 | .85 | .55 | .26, 1.17 | .12 |
| **Psychotropic medication (Not taking REF)** | **.67** | **.50, .89** | **.01** | **1.73** | **1.04, 2.89** | **.04** | 1.14 | .80, 1.64 | .47 |
| **Baseline depression severity (PHQ-9)** | **.95** | **.92, .97** | **<.001** | **.94** | **.90, .98** | **.01** | .99 | .96, 1.03 | .77 |
| **Baseline anxiety severity (GAD-7)** | .99 | .96, 1.03 | .68 | **.89** | **.84, .94** | **<.001** | **1.06** | **1.02, 1.11** | **.01** |
| **Baseline work and social functioning (WSAS)** | **.97** | **.96, .99** | **.001** | 1.01 | .98, 1.04 | .43 | **1.03** | **1.01, 1.05** | **.01** |
| **Number of sessions** | **1.12** | **1.08, 1.16** | **<.001** | .98 | .93, 1.04 | .58 | **.76** | **.71, .80** | **<.001** |
| **Age at dementia diagnosis (<65 [REF] vs 65+)** | .76 | .41, 1.41 | .39 | .53 | .20, 1.37 | .19 | 1.08 | .50, 2.33 | .85 |
| **NHS TTad appointment year** | 1.10 | .99, 1.22 | .06 | .89 | .75, 1.06 | .19 | 1.03 | .91, 1.17 | .65 |

Logistic regression models were used

\*Adjusted for all other variable

**I: Sensitivity analysis including people diagnosed with dementia during NHS TTad (dementia-specific variables)**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Reliable Recovery** | | | **Reliable deterioration** | | | **Dropout** | | |
| **OR** | **95% CI** | **p** | **OR** | **95% CI** | **p** | **OR** | **95% CI** | **p** |
| **AD (ref) vs VaD** | .82 | .62, 1.07 | .14 | .96 | .58, 1.59 | .89 | 1.02 | .72, 1.45 | .90 |
| **AD (ref) vs FTD** | .73 | .49, 1.07 | .11 | **1.90** | **1.05, 3.43** | **.03** | .97 | .59, 1.57 | .89 |
| **AD (ref) vs AtypAD** | .97 | .70, 1.35 | .85 | 1.19 | .66, 2.13 | .56 | .77 | .48, 1.22 | .26 |
| **VaD (ref) vs FTD** | .89 | .59, 1.33 | .56 | **1.97** | **1.05, 3.70** | **.04** | .94 | .57, 1.57 | .82 |
| **VaD (ref) vs AtypAD** | 1.18 | .84, 1.68 | .34 | 1.23 | .66, 2.29 | .50 | .75 | .46, 1.22 | .24 |
| **AtypAD (ref) vs FTD** | .75 | .48, 1.17 | .21 | 1.59 | .80, 3.20 | .19 | 1.26 | .69, 2.29 | .45 |
| **Age at dementia diagnosis (<65 [REF] vs 65+)** | **2.27** | **1.76, 2.92** | **<.001** | **.59** | **.40, .89** | **.01** | **.64** | **.47, .87** | **.01** |
| **Dementia diagnosis to NHS TTad treatment** | 1.00 | 1.00, 1.00 | .06 | 1.00 | 1.00, 1.00 | .55 | 1.00 | 1.00, 1.00 | .06 |

**J: Sensitivity analysis including people diagnosed with dementia during NHS TTad (non-dementia specific variables)**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Reliable Recovery**  **(N = 2,375)** | | | **Reliable deterioration**  **(N = 2,371)** | | | **Dropout**  **(N = 1,961)** | | |
| **OR** | **95% CI** | **p** | **OR** | **95% CI** | **p** | **OR** | **95% CI** | **p** |
| **Gender (Male REF)** | 1.01 | .85, 1.20 | .89 | .88 | .65, 1.18 | .38 | 1.13 | .91, 1.40 | .26 |
| **IMD Decile** | 1.02 | .99, 1.05 | .28 | .99 | .94, 1.04 | .74 | **.95** | **.91, .98** | **.004** |
| **Age at referral (<65 [REF] vs 65+)** | **1.85** | **1.05, 3.26** | **.03** | .84 | .33, 2.15 | .72 | .55 | .27, 1.11 | .10 |
| **Psychotropic medication (Not taking REF)** | **.70** | **.58, .84** | **<.001** | 1.32 | .96, 1.83 | .09 | .97 | .77, 1.22 | .81 |
| **Baseline depression severity (PHQ-9)** | **.94** | **.93, .96** | **<.001** | **.95** | **.92, .98** | **.001** | 1.00 | .98, 1.03 | .93 |
| **Baseline anxiety severity (GAD-7)** | .99 | .97, 1.01 | .37 | **.88** | **.85, .91** | **<.001** | **1.03** | **1.00, 1.06** | **.02** |
| **Baseline work and social functioning (WSAS)** | **.98** | **.97, .99** | **.001** | **1.02** | **1.00, 1.04** | **.05** | **1.02** | **1.00, 1.03** | **.01** |
| **Number of sessions** | **1.11** | **1.08, 1.14** | **<.001** | .97 | .93, 1.01 | .12 | **.77** | **.74, .80** | **<.001** |
| **Age at dementia diagnosis (<65 [REF] vs 65+)** | .78 | .45, 1.37 | .39 | .65 | .25, 1.65 | .36 | 1.26 | .63, 2.55 | .52 |