Appendix 12 Missingness analysis

Predictors of missingness PHQ-9

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Characteristic | 6 weeks | 12 weeks | 26 weeks | 39 weeks | 52 weeks |
|  | OR (95% CI) | OR (95% CI) | OR (95% CI) | OR (95% CI) | OR (95% CI) |
| Age | 0.98 (0.95, 1.01) | 0.99 (0.96, 1.02) | 0.98 (0.96, 1.00) | 0.98 (0.96, 1.00) | 0.98 (0.96, 1.00) |
| Female | 0.90 (0.40, 2.00) | 0.76 (0.36, 1.60) | 0.81 (0.47, 1.38) | 1.01 (0.59, 1.73) | 0.84 (0.50, 1.40) |
|  |  |  |  |  |  |
| Ethnicity |  |  |  |  |  |
| White | 1.53 (0.20, 11.74) | x | 2.00 (0.46, 8.69) | 2.24 (0.52, 9.73) | 1.52 (0.44, 5.21) |
| Not white | Reference | Reference | Reference | Reference | Reference |
|  |  |  |  |  |  |
| Marital Status |  |  |  |  |  |
| Married | Reference | Reference | Reference | Reference | Reference |
| Single | 1.16 (0.42, 3.18) | 0.40 (0.09, 1.74) | 0.81 (0.36, 1.82) | 1.08 (0.53, 2.21) | 0.99 (0.48, 2.01) |
| Separated or divorced | 0.37 (0.09, 1.61) | 1.07 (0.42, 2.73) | 1.54 (0.82, 2.91) | 1.29 (0.68, 2.45) | 1.28 (0.68, 2.40) |
| Widowed | 0.72 (0.16, 3.19) | 0.66 (0.15, 2.89) | 0.46 (0.14, 1.56) | 0.58 (0.20, 1.70) | 0.53 (0.18, 1.55) |
|  |  |  |  |  |  |
| Highest educational qualification |  |  |  |  |  |
| Degree/ higher degree | Reference | Reference | Reference | Reference | Reference |
| Diploma/ A Levels or equivalent | 0.33 (0.11, 1.02) | 1.08 (0.41, 2.87) | 0.93 (0.50, 1.73) | 0.78 (0.44, 1.40) | 0.81 (0.45, 1.46) |
| GCSE or equivalent/ other/ none | 0.97 (0.43, 2.20) | 1.86 (0.77, 4.48) | 1.06 (0.58, 1.94) | 0.72 (0.40, 1.31) | 1.01 (0.58, 1.78) |
|  |  |  |  |  |  |
| Employment status |  |  |  |  |  |
| Employed | Reference | Reference | Reference | Reference | Reference |
| Retired | 0.79 (0.34, 1.83) | 0.95 (0.44, 2.07) | 0.59 (0.32, 1.07) | 0.71 (0.41, 1.24) | 0.76 (0.44, 1.30) |
| Other | 0.57 (0.13, 2.53) | 0.55 (0.12, 2.40) | 0.66 (0.27, 1.63) | 0.62 (0.25, 1.52) | 0.71 (0.30, 1.66) |
|  |  |  |  |  |  |
| Tenancy |  |  |  |  |  |
| Home owner | Reference | Reference | Reference | Reference | Reference |
| Renting | 1.33 (0.52, 3.42) | 0.87 (0.32, 2.35) | 1.28 (0.68, 2.40) | 0.92 (0.48, 1.76) | 1.14 (0.62, 2.09) |
| Other | 3.03 (0.96, 9.60) | 1.73 (0.49, 6.15) | 1.02 (0.34, 3.08) | 1.14 (0.42, 3.14) | 1.10 (0.40, 3.02) |
|  |  |  |  |  |  |
| Activities limited by disability a lot | Reference | Reference | Reference | Reference | Reference |
| Activities limited by disability a little | 0.64 (0.12, 3.53) | 0.89 (0.09, 8.57) | 1.01 (0.19, 5.23) | 2.17 (0.25, 18.59) | 0.79 (0.19, 3.25) |
| Activities not limited by disability | 0.44 (0.09, 2.08) | 1.05 (0.13, 8.34) | 1.31 (0.29, 5.98) | 3.42 (0.44, 26.48) | 1.00 (0.27, 3.64) |
|  |  |  |  |  |  |
| Care for someone who is disabled | 0.59 (0.14, 2.55) | 0.28 (0.04, 2.08) | 0.33 (0.10, 1.09) | 0.40 (0.14, 1.15) | 0.37 (0.13, 1.06) |
|  |  |  |  |  |  |
| Living comfortably | Reference | Reference | Reference | Reference | Reference |
| Doing alright | 1.19 (0.50, 2.88) | 0.68 (0.29, 1.60) | 1.04 (0.59, 1.85) | 0.93 (0.54, 1.62) | 0.87 (0.50, 1.49) |
| Just about getting by to finding it very difficult to make end meet | 1.67 (0.62, 4.56) | 0.82 (0.28, 2.34) | 0.99 (0.48, 2.05) | 1.01 (0.51, 2.02) | 1.20 (0.63, 2.28) |
|  |  |  |  |  |  |
| Able to keep house damp free | Reference | Reference | Reference | Reference | Reference |
| Would like to keep house damp free but cannot afford it | 2.77 (0.31, 24.59) | 2.89 (0.32, 25.68) | 1.05 (0.12, 9.10) | 0.90 (0.10, 7.85) | 0.83 (0.10, 7.20) |
|  |  |  |  |  |  |
| Able to keep house in a decent state of decoration | Reference | Reference | Reference | Reference | Reference |
| Would like to keep house in a decent state of decoration but cannot afford it | 0.89 (0.11, 7.00) | 0.93 (0.12, 7.31) | 1.20 (0.33, 4.35) | 1.04 (0.29, 3.73) | 0.95 (0.26, 3.41) |
|  |  |  |  |  |  |
| Able to replace worn out furniture | Reference | Reference | Reference | Reference | Reference |
| Would like to replace worn out furniture but cannot afford or would not like to replace furniture | 1.57 (0.52, 4.81) | 0.71 (0.16, 3.13) | 2.17 (1.02, 4.60) | 1.34 (0.61, 2.96) | 1.91 (0.92, 3.95) |
|  |  |  |  |  |  |
| Able to have family or friends round at least once a month | Reference | Reference | Reference | Reference | Reference |
| Would like to have family or friends round at least once a month but cannot afford it or would not like to have friends or family round | 2.41 (0.51, 11.43) | 2.62 (0.55, 12.50) | 0.92 (0.20, 4.26) | 1.36 (0.36, 5.06) | 1.26 (0.34, 4.71) |
|  |  |  |  |  |  |
| Able to pay for a holiday away from home | Reference | Reference | Reference | Reference | Reference |
| Would like to pay for a holiday away from home but cannot afford it | 2.35 (0.89, 6.19) | 1.35 (0.44, 4.10) | 1.74 (0.83, 3.63) | 1.87 (0.93, 3.75) | 1.91 (0.96, 3.78) |
| Would not like to pay for a holiday away from home | 3.21 (0.36, 28.80) | 2.90 (0.32, 25.91) | 2.84 (0.51, 15.93) | 0.98 (0.11, 8.51) | 0.90 (0.10, 7.84) |
|  |  |  |  |  |  |
| Able to buy new clothes | Reference | Reference | Reference | Reference | Reference |
| Would like to buy new clothes but cannot afford it or would not like to buy new clothes | 1.21 (0.15, 9.69) | 1.26 (0.16, 10.10) | 3.94 (1.21, 12.85) | 2.33 (0.68, 7.96) | 2.14 (0.63, 7.29) |
|  |  |  |  |  |  |
| No cars or vans owned | Reference | Reference | Reference | Reference | Reference |
| 1 or more cars or vans owned | 0.59 (0.25, 1.43) | 0.56 (0.24, 1.28) | 0.67 (0.36, 1.26) | 0.77 (0.41, 1.43) | 0.84 (0.45, 1.56) |
|  |  |  |  |  |  |
| Life events in the last 6 months | 1.18 (0.75, 1.85) | 0.96 (0.58, 1.60) | 1.14 (0.82, 1.57) | 0.89 (0.64, 1.26) | 0.96 (0.70, 1.32) |
|  |  |  |  |  |  |
| Screening |  |  |  |  |  |
| Never forget to take medicine | 1.03 (0.47, 2.25) | 1.03 (0.49, 2.17) | 0.74 (0.45, 1.23) | 1.07 (0.64, 1.78) | 0.92 (0.56, 1.50) |
| Not careless at times about taking medicine | x | x | 2.28 (0.29, 17.78) | x | x |
| When feeling better, do not stop taking medicine | 0.83 (0.10, 6.60) | x | 1.03 (0.22, 4.73) | 2.54 (0.33, 19.79) | 2.73 (0.35, 21.28) |
| When feeling worse do not stop taking medicine | x | x | 0.18 (0.01, 2.98) | x | x |
| Not currently taking other anti-anxiety, sleeping medication, including complementary/ alternative medications | 0.41 (0.13, 1.25) | 0.63 (0.18, 2.20) | 1.63 (0.48, 5.52) | 1.82 (0.54, 6.18) | 1.39 (0.47, 4.13) |
|  |  |  |  |  |  |
| PHQ-9 | 1.01 (0.91, 1.13) | 0.98 (0.87, 1.09) | 0.99 (0.91, 1.06) | 0.94 (0.87, 1.02) | 0.97 (0.91, 1.05) |
|  |  |  |  |  |  |
| Minimisation factors |  |  |  |  |  |
| Site |  |  |  |  |  |
| London | Reference | Reference | Reference | Reference | Reference |
| Bristol | 0.97 (0.29, 3.32) | 1.07 (0.38, 2.98) | 2.09 (1.09, 4.01) | 2.75 (1.48, 5.11) | 3.04 (1.68, 5.51) |
| Southampton | 1.59 (0.54, 4.72) | 1.55 (0.60, 4.00) | 1.15 (0.54, 2.43) | 1.42 (0.70, 2.86) | 0.99 (0.48, 2.08) |
| York | 4.56 (1.81, 11.48) | 2.14 (0.85, 5.37) | 2.64 (1.35, 5.16) | 2.03 (1.02, 4.05) | 2.13 (1.10, 4.14) |
|  |  |  |  |  |  |
| Antidepressant |  |  |  |  |  |
| Sertraline | Reference | Reference | Reference | Reference | Reference |
| Citalopram | 0.74 (0.27, 2.03) | 0.73 (0.29, 1.87) | 0.70 (0.36, 1.35) | 0.74 (0.39, 1.40) | 0.66 (0.35, 1.23) |
| Fluoxetine | 0.89 (0.32, 2.49) | 0.75 (0.28, 2.01) | 0.68 (0.34, 1.38) | 0.70 (0.35, 1.38) | 0.66 (0.34, 1.27) |
| Mirtazapine | 0.75 (0.08, 6.67) | 0.63 (0.07, 5.52) | 0.24 (0.03, 1.97) | 0.22 (0.03, 1.81) | 0.19 (0.02, 1.56) |
|  |  |  |  |  |  |
| CIS-R score | 1.05 (0.99, 1.13) | 1.05 (0.98, 1.12) | 1.04 (0.99, 1.09) | 1.04 (0.99, 1.09) | 1.05 (1.00, 1.10) |
| CIS-R above the median | 1.58 (0.76, 3.31) | 1.12 (0.56, 2.25) | 1.25 (0.76, 2.04) | 1.28 (0.79, 2.06) | 1.39 (0.87, 2.21) |
| Age first became aware of having depression | 0.98 (0.96, 1.01) | 1.00 (0.98, 1.03) | 1.00 (0.98, 1.01) | 1.00 (0.98, 1.02) | 1.00 (0.99, 1.02) |
| Three or more episodes of depression | 1.12 (0.26, 4.91) | 0.78 (0.22, 2.69) | 0.70 (0.29, 1.67) | 0.79 (0.33, 1.87) | 0.71 (0.31, 1.62) |
|  |  |  |  |  |  |
| Baseline |  |  |  |  |  |
| Never forget to take medicine | 0.67 (0.32, 1.40) | 0.87 (0.42, 1.79) | 0.71 (0.43, 1.17) | 1.09 (0.66, 1.81) | 0.95 (0.59, 1.54) |
| Not careless at times about taking medicine | 1.86 (0.24, 14.16) | 0.92 (0.21, 4.09) | 2.38 (0.55, 10.27) | 1.19 (0.40, 3.53) | 0.97 (0.36, 2.63) |
| When feeling better, do not stop taking medicine | 0.79 (0.18, 3.51) | 0.85 (0.19, 3.76) | 0.56 (0.22, 1.45) | 0.81 (0.29, 2.22) | 0.87 (0.32, 2.40) |
| When feeling worse do not stop taking medicine | x | 0.36 (0.04, 3.21) | 0.18 (0.04, 0.90) | 0.40 (0.07, 2.24) | 0.43 (0.08, 2.41) |
| Not currently taking other anti-anxiety, sleeping medication, including complementary/ alternative medications | 3.05 (0.41, 22.96) | 3.27 (0.44, 24.57) | 0.92 (0.39, 2.15) | 1.03 (0.44, 2.41) | 0.93 (0.42, 2.10) |
| Mood same or better than 2 weeks ago | 0.67 (0.09, 5.18) | x | 0.25 (0.03, 1.91) | 0.48 (0.11, 2.10) | 0.21 (0.03, 1.58) |
|  |  |  |  |  |  |
| PHQ-9 | 1.02 (0.92, 1.12) | 1.02 (0.92, 1.12) | 1.03 (0.96, 1.10) | 1.01 (0.95, 1.08) | 1.03 (0.96, 1.09) |
| GAD-7 | 0.99 (0.88, 1.12) | 1.01 (0.90, 1.13) | 1.04 (0.96, 1.12) | 1.05 (0.97, 1.13) | 1.05 (0.98, 1.13) |
| SF-12 physical | 1.00 (0.97, 1.04) | 1.02 (0.98, 1.07) | 1.01 (0.99, 1.04) | 1.03 (1.00, 1.06) | 1.03 (1.00, 1.05) |
| SF-12 mental | 0.98 (0.94, 1.01) | 1.00 (0.96, 1.04) | 1.00 (0.98, 1.03) | 0.99 (0.96, 1.01) | 0.98 (0.96, 1.01) |
| Modified Toronto\* | 1.09 (0.96, 1.24) | 1.01 (0.89, 1.15) | 1.05 (0.96, 1.15) | 1.03 (0.94, 1.12) | 1.04 (0.95, 1.13) |
| New or worsening symptoms\*\* | 1.04 (0.78, 1.39) | 0.90 (0.65, 1.24) | 1.06 (0.87, 1.29) | 0.96 (0.78, 1.18) | 1.00 (0.83, 1.21) |

\*Count of number of side effects

\*\*Count of number of new or worsening symptoms

X = model did not converge.

Predictors of missingness GAD-7

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Characteristic | 6 weeks | 12 weeks | 26 weeks | 39 weeks | 52 weeks |
|  | OR (95% CI) | OR (95% CI) | OR (95% CI) | OR (95% CI) | OR (95% CI) |
| Age | 0.98 (0.95, 1.01) | 0.99 (0.96, 1.02) | 0.98 (0.96, 1.00) | 0.98 (0.96, 1.00) | 0.98 (0.96, 1.00) |
| Female | 0.84 (0.39, 1.82) | 0.79 (0.38, 1.67) | 0.81 (0.47, 1.38) | 1.01 (0.59, 1.73) | 0.84 (0.50, 1.40) |
|  |  |  |  |  |  |
| Ethnicity |  |  |  |  |  |
| White | 0.76 (0.17, 3.39) | x | 2.00 (0.46, 8.69) | 2.24 (0.52, 9.73) | 1.52 (0.44, 5.21) |
| Not white | Reference | Reference | Reference | Reference | Reference |
|  |  |  |  |  |  |
| Marital Status |  |  |  |  |  |
| Married | Reference | Reference | Reference | Reference | Reference |
| Single | 1.35 (0.52, 3.46) | 0.38 (0.09, 1.66) | 0.81 (0.36, 1.82) | 1.08 (0.53, 2.21) | 0.99 (0.48, 2.01) |
| Separated or divorced | 0.35 (0.08, 1.53) | 1.03 (0.40, 2.60) | 1.54 (0.82, 2.91) | 1.29 (0.68, 2.45) | 1.28 (0.68, 2.40) |
| Widowed | 0.69 (0.16, 3.03) | 0.63 (0.14, 2.76) | 0.46 (0.14, 1.56) | 0.58 (0.20, 1.70) | 0.53 (0.18, 1.55) |
|  |  |  |  |  |  |
| Highest educational qualification |  |  |  |  |  |
| Degree/ higher degree | Reference | Reference | Reference | Reference | Reference |
| Diploma/ A Levels or equivalent | 0.38 (0.14, 1.08) | 1.22 (0.47, 3.16) | 0.93 (0.50, 1.73) | 0.78 (0.44, 1.40) | 0.81 (0.45, 1.46) |
| GCSE or equivalent/ other/ none | 0.90 (0.40, 2.02) | 1.86 (0.77, 4.48) | 1.06 (0.58, 1.94) | 0.72 (0.40, 1.31) | 1.01 (0.58, 1.78) |
|  |  |  |  |  |  |
| Employment status |  |  |  |  |  |
| Employed | Reference | Reference | Reference | Reference | Reference |
| Retired | 0.71 (0.31, 1.64) | 0.91 (0.42, 1.96) | 0.59 (0.32, 1.07) | 0.71 (0.41, 1.24) | 0.76 (0.44, 1.30) |
| Other | 0.52 (0.12, 2.28) | 0.52 (0.12, 2.28) | 0.66 (0.27, 1.63) | 0.62 (0.25, 1.52) | 0.71 (0.30, 1.66) |
|  |  |  |  |  |  |
| Tenancy |  |  |  |  |  |
| Home owner | Reference | Reference | Reference | Reference | Reference |
| Renting | 1.21 (0.48, 3.08) | 0.84 (0.31, 2.25) | 1.28 (0.68, 2.40) | 0.92 (0.48, 1.76) | 1.14 (0.62, 2.09) |
| Other | 2.75 (0.87, 8.65) | 1.66 (0.47, 5.89) | 1.02 (0.34, 3.08) | 1.14 (0.42, 3.14) | 1.10 (0.40, 3.02) |
|  |  |  |  |  |  |
| Activities limited by disability a lot | Reference | Reference | Reference | Reference | Reference |
| Activities limited by disability a little | 0.64 (0.12, 3.53) | 0.89 (0.09, 8.57) | 1.01 (0.19, 5.23) | 2.17 (0.25, 18.59) | 0.79 (0.19, 3.25) |
| Activities not limited by disability | 0.49 (0.10, 2.29) | 1.10 (0.14, 8.73) | 1.31 (0.29, 5.98) | 3.42 (0.44, 26.48) | 1.00 (0.27, 3.64) |
|  |  |  |  |  |  |
| Care for someone who is disabled | 0.54 (0.13, 2.35) | 0.27 (0.04, 2.00) | 0.33 (0.10, 1.09) | 0.40 (0.14, 1.15) | 0.37 (0.13, 1.06) |
|  |  |  |  |  |  |
| Living comfortably | Reference | Reference | Reference | Reference | Reference |
| Doing alright | 0.99 (0.42, 2.29) | 0.63 (0.27, 1.47) | 1.04 (0.59, 1.85) | 0.93 (0.54, 1.62) | 0.87 (0.50, 1.49) |
| Just about getting by to finding it very difficult to make end meet | 1.38 (0.52, 3.64) | 0.76 (0.27, 2.15) | 0.99 (0.48, 2.05) | 1.01 (0.51, 2.02) | 1.20 (0.63, 2.28) |
|  |  |  |  |  |  |
| Able to keep house damp free | Reference | Reference | Reference | Reference | Reference |
| Would like to keep house damp free but cannot afford it | 2.56 (0.29, 22.65) | 2.77 (0.31, 24.59) | 1.05 (0.12, 9.10) | 0.90 (0.10, 7.85) | 0.83 (0.10, 7.20) |
|  |  |  |  |  |  |
| Able to keep house in a decent state of decoration | Reference | Reference | Reference | Reference | Reference |
| Would like to keep house in a decent state of decoration but cannot afford it | 0.82 (0.10, 6.45) | 0.89 (0.11, 7.00) | 1.20 (0.33, 4.35) | 1.04 (0.29, 3.73) | 0.95 (0.26, 3.41) |
|  |  |  |  |  |  |
| Able to replace worn out furniture | Reference | Reference | Reference | Reference | Reference |
| Would like to replace worn out furniture but cannot afford or would not like to replace furniture | 1.44 (0.47, 4.37) | 0.68 (0.16, 2.99) | 2.17 (1.02, 4.60) | 1.34 (0.61, 2.96) | 1.91 (0.92, 3.95) |
|  |  |  |  |  |  |
| Able to have family or friends round at least once a month | Reference | Reference | Reference | Reference | Reference |
| Would like to have family or friends round at least once a month but cannot afford it or would not like to have friends or family round | 2.22 (0.47, 10.52) | 2.51 (0.53, 11.94) | 0.92 (0.20, 4.26) | 1.36 (0.36, 5.06) | 1.26 (0.34, 4.71) |
|  |  |  |  |  |  |
| Able to pay for a holiday away from home | Reference | Reference | Reference | Reference | Reference |
| Would like to pay for a holiday away from home but cannot afford it | 2.12 (0.81, 5.54) | 1.29 (0.42, 3.90) | 1.74 (0.83, 3.63) | 1.87 (0.93, 3.75) | 1.91 (0.96, 3.78) |
| Would not like to pay for a holiday away from home | 2.90 (0.32, 25.91) | 2.77 (0.31, 24.67) | 2.84 (0.51, 15.93) | 0.98 (0.11, 8.51) | 0.90 (0.10, 7.84) |
|  |  |  |  |  |  |
| Able to buy new clothes | Reference | Reference | Reference | Reference | Reference |
| Would like to buy new clothes but cannot afford it or would not like to buy new clothes | 1.12 (0.14, 8.95) | 1.21 (0.15, 9.69) | 3.95 (1.21, 12.85) | 2.33 (0.68, 7.96) | 2.14 (0.63, 7.29) |
|  |  |  |  |  |  |
| No cars or vans owned | Reference | Reference | Reference | Reference | Reference |
| 1 or more cars or vans owned | 0.65 (0.27, 1.55) | 0.58 (0.25, 1.33) | 0.67 (0.36, 1.26) | 0.77 (0.41, 1.43) | 0.84 (0.45, 1.56) |
|  |  |  |  |  |  |
| Life events in the last 6 months | 1.22 (0.79, 1.88) | 0.93 (0.56, 1.54) | 1.14 (0.82, 1.57) | 0.89 (0.64, 1.26) | 0.96 (0.70, 1.32) |
|  |  |  |  |  |  |
| Screening |  |  |  |  |  |
| Never forget to take medicine | 1.14 (0.53, 2.45) | 0.94 (0.45, 1.93) | 0.74 (0.45, 1.23) | 1.07 (0.64, 1.78) | 0.92 (0.56, 1.50) |
| Not careless at times about taking medicine | x | x | 2.28 (0.29, 17.78) | x | x |
| When feeling better, do not stop taking medicine | 0.89 (0.11, 7.05) | x | 1.03 (0.22, 4.73) | 2.54 (0.33, 19.79) | 2.73 (0.35, 21.28) |
| When feeling worse do not stop taking medicine | x | x | 0.18 (0.01, 2.98) | x | x |
| Not currently taking other anti-anxiety, sleeping medication, including complementary/ alternative medications | 0.44 (0.14, 1.34) | 0.65 (0.19, 2.28) | 1.63 (0.48, 5.52) | 1.82 (0.54, 6.18) | 1.40 (0.47, 4.13) |
|  |  |  |  |  |  |
| PHQ-9 | 1.02 (0.92, 1.13) | 0.98 (0.88, 1.09) | 0.99 (0.91, 1.06) | 0.94 (0.87, 1.02) | 0.97 (0.91, 1.05) |
|  |  |  |  |  |  |
| Minimisation factors |  |  |  |  |  |
| Site |  |  |  |  |  |
| London | Reference | Reference | Reference | Reference | Reference |
| Bristol | 0.86 (0.26, 2.87) | 1.07 (0.38, 2.98) | 2.09 (1.09, 4.01) | 2.75 (1.48, 5.11) | 3.04 (1.68, 5.51) |
| Southampton | 1.66 (0.60, 4.60) | 1.55 (0.60, 4.00) | 1.15 (0.54, 2.43) | 1.42 (0.70, 2.86) | 0.99 (0.48, 2.08) |
| York | 4.04 (1.65, 9.87) | 2.41 (0.98, 5.91) | 2.64 (1.35, 5.16) | 2.03 (1.02, 4.05) | 2.13 (1.10, 4.14) |
|  |  |  |  |  |  |
| Antidepressant |  |  |  |  |  |
| Sertraline | Reference | Reference | Reference | Reference | Reference |
| Citalopram | 0.80 (0.30, 2.17) | 0.73 (0.29, 1.87) | 0.70 (0.36, 1.35) | 0.74 (0.39, 1.40) | 0.66 (0.35, 1.23) |
| Fluoxetine | 0.97 (0.35, 2.70) | 0.82 (0.31, 2.18) | 0.68 (0.34, 1.38) | 0.70 (0.35, 1.38) | 0.66 (0.34, 1.27) |
| Mirtazapine | 0.75 (0.08, 6.67) | 0.63 (0.07, 5.52) | 0.24 (0.03, 1.97) | 0.22 (0.03, 1.81) | 0.19 (0.02, 1.56) |
|  |  |  |  |  |  |
| CIS-R score | 1.05 (0.99, 1.13) | 1.05 (0.98, 1.12) | 1.04 (0.99, 1.09) | 1.04 (0.99, 1.09) | 1.05 (1.00, 1.10) |
| CIS-R above the median | 1.55 (0.76, 3.18) | 1.05 (0.53, 2.10) | 1.25 (0.76, 2.04) | 1.28 (0.79, 2.06) | 1.39 (0.87, 2.21) |
| Age first became aware of having depression | 0.99 (0.96, 1.01) | 1.00 (0.98, 1.02) | 1.00 (0.98, 1.01) | 1.00 (0.98, 1.02) | 1.00 (0.99, 1.02) |
| Three or more episodes of depression | 1.20 (0.28, 5.26) | 0.80 (0.23, 2.78) | 0.70 (0.29, 1.67) | 0.79 (0.33, 1.87) | 0.71 (0.31, 1.62) |
|  |  |  |  |  |  |
| Baseline |  |  |  |  |  |
| Never forget to take medicine | 0.66 (0.33, 1.35) | 0.91 (0.45, 1.87) | 0.71 (0.43, 1.17) | 1.09 (0.66, 1.81) | 0.95 (0.59, 1.54) |
| Not careless at times about taking medicine | 1.99 (0.26, 15.15) | 0.96 (0.22, 4.22) | 2.38 (0.55, 10.27) | 1.19 (0.40, 3.53) | 0.97 (0.36, 2.63) |
| When feeling better, do not stop taking medicine | 0.85 (0.19, 3.76) | 0.88 (0.20, 3.88) | 0.56 (0.22, 1.45) | 0.81 (0.29, 2.22) | 0.87 (0.32, 2.40) |
| When feeling worse do not stop taking medicine | x | 0.38 (0.04, 3.32) | 0.18 (0.04, 0.90) | 0.40 (0.07, 2.24) | 0.43 (0.08, 2.41) |
| Not currently taking other anti-anxiety, sleeping medication, including complementary/ alternative medications | 3.27 (0.44, 24.57) | 3.38 (0.45, 25.38) | 0.92 (0.39, 2.15) | 1.03 (0.44, 2.41) | 0.93 (0.42, 2.10) |
| Mood same or better than 2 weeks ago | 0.63 (0.08, 4.82) | x | 0.25 (0.03, 1.91) | 0.48 (0.11, 2.10) | 0.21 (0.03, 1.58) |
|  |  |  |  |  |  |
| PHQ-9 | 1.03 (0.94, 1.13) | 1.01 (0.91, 1.11) | 1.03 (0.96, 1.10) | 1.01 (0.95, 1.08) | 1.03 (0.96, 1.09) |
| GAD-7 | 0.98 (0.87, 1.11) | 1.00 (0.89, 1.12) | 1.04 (0.96, 1.12) | 1.05 (0.97, 1.13) | 1.05 (0.98, 1.13) |
| SF-12 physical | 1.00 (0.96, 1.03) | 1.03 (0.99, 1.07) | 1.01 (0.99, 1.04) | 1.03 (1.00, 1.06) | 1.03 (1.00, 1.05) |
| SF-12 mental | 0.98 (0.94, 1.01) | 1.00 (0.96, 1.04) | 1.00 (0.98, 1.03) | 0.99 (0.96, 1.01) | 0.98 (0.96, 1.01) |
| Modified Toronto\* | 1.11 (0.98, 1.25) | 1.00 (0.88, 1.13) | 1.05 (0.96, 1.15) | 1.03 (0.94, 1.12) | 1.04 (0.95, 1.13) |
| New or worsening symptoms\*\* | 1.05 (0.80, 1.38) | 0.88 (0.63, 1.22) | 1.06 (0.87, 1.29) | 0.96 (0.78, 1.18) | 1.00 (0.83, 1.21) |

\*Count of number of side effects

\*\*Count of number of new or worsening symptoms

X = model did not converge.

Predictors of missingness SF12 (physical and mental will have the same predictors of missingness)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Characteristic | 12 weeks | 26 weeks | 39 weeks | 52 weeks |
|  | OR (95% CI) | OR (95% CI) | OR (95% CI) | OR (95% CI) |
| Age | 0.99 (0.97, 1.02) | 0.98 (0.96, 1.00) | 0.98 (0.96, 1.00) | 0.98 (0.96, 1.00) |
| Female | 0.72 (0.35, 1.49) | 0.78 (0.46, 1.33) | 0.98 (0.58, 1.66) | 0.84 (0.50, 1.40) |
|  |  |  |  |  |
| Ethnicity |  |  |  |  |
| White | x | 2.07 (0.48, 8.98) | 2.31 (0.53, 10.04) | 1.52 (0.44, 5.21) |
| Not white | Reference | Reference | Reference | Reference |
|  |  |  |  |  |
| Marital Status |  |  |  |  |
| Married | Reference | Reference | Reference | Reference |
| Single | 0.38 (0.09, 1.66) | 0.79 (0.36, 1.78) | 1.05 (0.51, 2.16) | 0.99 (0.48, 2.01) |
| Separated or divorced | 1.03 (0.40, 2.60) | 1.63 (0.87, 3.04) | 1.26 (0.66, 2.39) | 1.28 (0.68, 2.40) |
| Widowed | 0.97 (0.28, 3.37) | 0.45 (0.13, 1.53) | 0.73 (0.27, 1.95) | 0.53 (0.18, 1.55) |
|  |  |  |  |  |
| Highest educational qualification |  |  |  |  |
| Degree/ higher degree | Reference | Reference | Reference | Reference |
| Diploma/ A Levels or equivalent | 1.22 (0.47, 3.16) | 0.93 (0.50, 1.73) | 0.76 (0.42, 1.35) | 0.81 (0.45, 1.46) |
| GCSE or equivalent/ other/ none | 2.02 (0.85, 4.81) | 1.17 (0.65, 2.12) | 0.74 (0.41, 1.32) | 1.01 (0.58, 1.78) |
|  |  |  |  |  |
| Employment status |  |  |  |  |
| Employed | Reference | Reference | Reference | Reference |
| Retired | 1.01 (0.48, 2.12) | 0.61 (0.32, 1.10) | 0.73 (0.42, 1.27) | 0.76 (0.44, 1.30) |
| Other | 0.52 (0.12, 2.28) | 0.64 (0.26, 1.60) | 0.60 (0.24, 1.49) | 0.71 (0.30, 1.66) |
|  |  |  |  |  |
| Tenancy |  |  |  |  |
| Home owner | Reference | Reference | Reference | Reference |
| Renting | 0.81 (0.30, 2.15) | 1.23 (0.66, 2.30) | 0.88 (0.46, 1.69) | 1.14 (0.62, 2.09) |
| Other | 1.60 (0.45, 5.65) | 0.98 (0.33, 2.95) | 1.10 (0.40, 3.02) | 1.10 (0.40, 3.02) |
|  |  |  |  |  |
| Activities limited by disability a lot | Reference | Reference | Reference | Reference |
| Activities limited by disability a little | 0.89 (0.09, 8.57) | 0.62 (0.15, 2.64) | 2.17 (0.25, 18.59) | 0.79 (0.19, 3.25) |
| Activities not limited by disability | 1.15 (0.15, 9.13) | 0.82 (0.22, 3.02) | 3.56 (0.46, 27.54) | 1.00 (0.27, 3.64) |
|  |  |  |  |  |
| Care for someone who is disabled | 0.26 (0.03, 1.92) | 0.32 (0.10, 1.05) | 0.39 (0.14, 1.11) | 0.37 (0.13, 1.06) |
|  |  |  |  |  |
| Living comfortably | Reference | Reference | Reference | Reference |
| Doing alright | 0.70 (0.31, 1.60) | 0.96 (0.55, 1.69) | 0.90 (0.52, 1.55) | 0.87 (0.50, 1.49) |
| Just about getting by to finding it very difficult to make end meet | 0.76 (0.27, 2.15) | 0.91 (0.44, 1.88) | 1.06 (0.54, 2.08) | 1.20 (0.63, 2.28) |
|  |  |  |  |  |
| Able to keep house damp free | Reference | Reference | Reference | Reference |
| Would like to keep house damp free but cannot afford it | 2.66 (0.30, 23.58) | 1.01 (0.12, 8.76) | 0.87 (0.10, 7.58) | 0.83 (0.10, 7.20) |
|  |  |  |  |  |
| Able to keep house in a decent state of decoration | Reference | Reference | Reference | Reference |
| Would like to keep house in a decent state of decoration but cannot afford it | 0.85 (0.11, 6.71) | 1.16 (0.32, 4.18) | 1.00 (0.28, 3.60) | 0.95 (0.26, 3.41) |
|  |  |  |  |  |
| Able to replace worn out furniture | Reference | Reference | Reference | Reference |
| Would like to replace worn out furniture but cannot afford or would not like to replace furniture | 0.65 (0.15, 2.86) | 2.07 (0.98, 4.40) | 1.29 (0.59, 2.85) | 1.91 (0.92, 3.95) |
|  |  |  |  |  |
| Able to have family or friends round at least once a month | Reference | Reference | Reference | Reference |
| Would like to have family or friends round at least once a month but cannot afford it or would not like to have friends or family round | 2.41 (0.51, 11.43) | 0.89 (0.19, 4.10) | 1.31 (0.35, 4.88) | 1.26 (0.34, 4.71) |
|  |  |  |  |  |
| Able to pay for a holiday away from home | Reference | Reference | Reference | Reference |
| Would like to pay for a holiday away from home but cannot afford it | 1.23 (0.41, 3.71) | 1.66 (0.80, 3.47) | 1.79 (0.89, 3.60) | 1.91 (0.96, 3.78) |
| Would not like to pay for a holiday away from home | 2.64 (0.30, 23.53) | 2.72 (0.49, 15.21) | 0.94 (0.11, 8.16) | 0.90 (0.10, 7.84) |
|  |  |  |  |  |
| Able to buy new clothes | Reference | Reference | Reference | Reference |
| Would like to buy new clothes but cannot afford it or would not like to buy new clothes | 1.16 (0.14, 9.31) | 3.79 (1.17, 12.34) | 2.25 (0.66, 7.68) | 2.14 (0.63, 7.29) |
|  |  |  |  |  |
| No cars or vans owned | Reference | Reference | Reference | Reference |
| 1 or more cars or vans owned | 0.60 (0.26, 1.38) | 0.70 (0.37, 1.31) | 0.79 (0.43, 1.48) | 0.84 (0.45, 1.56) |
|  |  |  |  |  |
| Life events in the last 6 months | 0.90 (0.54, 1.49) | 1.13 (0.82, 1.56) | 0.87 (0.62, 1.22) | 0.96 (0.70, 1.32) |
|  |  |  |  |  |
| Screening |  |  |  |  |
| Never forget to take medicine | 0.86 (0.42, 1.74) | 0.68 (0.41, 1.13) | 1.12 (0.67, 1.85) | 0.92 (0.56, 1.50) |
| Not careless at times about taking medicine | x | 2.35 (0.30, 18.35) | x | x |
| When feeling better, do not stop taking medicine | x | 1.06 (0.23, 4.88) | 2.61 (0.34, 20.38) | 2.73 (0.35, 21.28) |
| When feeling worse do not stop taking medicine | x | 0.19 (0.01, 3.08) | x | x |
| Not currently taking other anti-anxiety, sleeping medication, including complementary/ alternative medications | 0.67 (0.19, 2.35) | 1.19 (0.40, 3.53) | 1.88 (0.56, 6.37) | 1.40 (0.47, 4.13) |
|  |  |  |  |  |
| PHQ-9 | 0.99 (0.89, 1.10) | 0.99 (0.91, 1.06) | 0.94 (0.87, 1.02) | 0.97 (0.91, 1.05) |
|  |  |  |  |  |
| Minimisation factors |  |  |  |  |
| Site |  |  |  |  |
| London | Reference | Reference | Reference | Reference |
| Bristol | 1.07 (0.38, 2.98) | 2.21 (1.16, 4.23) | 2.75 (1.48, 5.11) | 3.04 (1.68, 5.51) |
| Southampton | 1.77 (0.71, 4.42) | 1.26 (0.61, 2.62) | 1.65 (0.83, 3.25) | 0.99 (0.48, 2.08) |
| York | 2.41 (0.98, 5.91) | 2.64 (1.35, 5.16) | 2.03 (1.02, 4.05) | 2.13 (1.10, 4.14) |
|  |  |  |  |  |
| Antidepressant |  |  |  |  |
| Sertraline | Reference | Reference | Reference | Reference |
| Citalopram | 0.78 (0.31, 1.98) | 0.72 (0.37, 1.39) | 0.78 (0.41, 1.48) | 0.66 (0.35, 1.23) |
| Fluoxetine | 0.82 (0.31, 2.18) | 0.72 (0.36, 1.44) | 0.70 (0.35, 1.38) | 0.66 (0.34, 1.27) |
| Mirtazapine | 0.63 (0.07, 5.52) | 0.24 (0.03, 1.97) | 0.22 (0.03, 1.81) | 0.19 (0.02, 1.56) |
|  |  |  |  |  |
| CIS-R score | 1.05 (0.99, 1.12) | 1.05 (1.00, 1.10) | 1.04 (0.99, 1.09) | 1.05 (1.00, 1.10) |
| CIS-R above the median | 1.12 (0.57, 2.21) | 1.32 (0.81, 2.16) | 1.28 (0.80, 2.04) | 1.39 (0.87, 2.21) |
| Age first became aware of having depression | 1.00 (0.98, 1.02) | 1.00 (0.98, 1.02) | 1.00 (0.99, 1.02) | 1.00 (0.99, 1.02) |
| Three or more episodes of depression | 0.83 (0.24, 2.87) | 0.72 (0.30, 1.73) | 0.81 (0.34, 1.93) | 0.71 (0.31, 1.62) |
|  |  |  |  |  |
| Baseline |  |  |  |  |
| Never forget to take medicine | 0.96 (0.47, 1.96) | 0.70 (0.42, 1.15) | 1.07 (0.65, 1.76) | 0.95 (0.59, 1.54) |
| Not careless at times about taking medicine | 0.99 (0.22, 4.36) | 2.46 (0.57, 10.61) | 1.22 (0.41, 3.64) | 0.97 (0.36, 2.63) |
| When feeling better, do not stop taking medicine | 0.91 (0.20, 4.01) | 0.58 (0.22, 1.50) | 0.83 (0.30, 2.29) | 0.87 (0.32, 2.40) |
| When feeling worse do not stop taking medicine | 0.39 (0.04, 3.42) | 0.18 (0.04, 0.93) | 0.42 (0.07, 2.31) | 0.43 (0.08, 2.41) |
| Not currently taking other anti-anxiety, sleeping medication, including complementary/ alternative medications | 3.49 (0.47, 26.19) | 0.79 (0.35, 1.78) | 1.06 (0.46, 2.49) | 0.93 (0.42, 2.10) |
| Mood same or better than 2 weeks ago | x | 0.52 (0.12, 2.28) | 0.47 (0.11, 2.04) | 0.21 (0.03, 1.58) |
|  |  |  |  |  |
| PHQ-9 | 1.01 (0.92, 1.11) | 1.04 (0.97, 1.11) | 1.01 (0.95, 1.08) | 1.03 (0.96, 1.09) |
| GAD-7 | 1.00 (0.89, 1.12) | 1.05 (0.97, 1.13) | 1.05 (0.97, 1.13) | 1.05 (0.98, 1.13) |
| SF-12 physical | 1.03 (0.99, 1.07) | 1.01 (0.99, 1.04) | 1.03 (1.01, 1.06) | 1.03 (1.00, 1.05) |
| SF-12 mental | 1.00 (0.96, 1.04) | 1.00 (0.97, 1.03) | 0.98 (0.96, 1.01) | 0.98 (0.96, 1.01) |
| Modified Toronto\* | 1.01 (0.89, 1.15) | 1.06 (0.97, 1.16) | 1.03 (0.94, 1.12) | 1.04 (0.95, 1.13) |
| New or worsening symptoms\*\* | 0.91 (0.67, 1.25) | 1.08 (0.90, 1.31) | 0.97 (0.79, 1.18) | 1.00 (0.83, 1.21) |

\*Count of number of side effects

\*\*Count of number of new or worsening symptoms

X = model did not converge.

Predictors of missingness Toronto

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Characteristic | 6 weeks | 12 weeks | 26 weeks | 39 weeks | 52 weeks |
|  | OR (95% CI) | OR (95% CI) | OR (95% CI) | OR (95% CI) | OR (95% CI) |
| Age | 0.99 (0.96, 1.02) | 1.00 (0.97, 1.03) | 0.98 (0.97, 1.00) | 0.98 (0.96, 1.00) | 0.98 (0.96, 1.00) |
| Female | 1.00 (0.47, 2.12) | 0.72 (0.36, 1.41) | 0.81 (0.48, 1.37) | 1.00 (0.59, 1.69) | 0.83 (0.50, 1.38) |
|  |  |  |  |  |  |
| Ethnicity |  |  |  |  |  |
| White | 1.88 (0.25, 14.38) | 2.07 (0.27, 15.73) | 2.24 (0.52, 9.73) | 2.35 (0.54, 10.19) | 1.59 (0.46, 5.45) |
| Not white | Reference | Reference | Reference | Reference | Reference |
|  |  |  |  |  |  |
| Marital Status |  |  |  |  |  |
| Married | Reference | Reference | Reference | Reference | Reference |
| Single | 1.23 (0.48, 3.14) | 0.30 (0.07, 1.30) | 0.71 (0.32, 1.57) | 1.01 (0.49, 2.06) | 1.05 (0.53, 2.10) |
| Separated or divorced | 0.66 (0.22, 1.97) | 0.96 (0.40, 2.27) | 1.34 (0.71, 2.51) | 1.21 (0.64, 2.28) | 1.23 (0.66, 2.29) |
| Widowed | 0.63 (0.14, 2.76) | 0.49 (0.11, 2.15) | 0.55 (0.19, 1.62) | 0.54 (0.18, 1.58) | 0.51 (0.17, 1.48) |
|  |  |  |  |  |  |
| Highest educational qualification |  |  |  |  |  |
| Degree/ higher degree | Reference | Reference | Reference | Reference | Reference |
| Diploma/ A Levels or equivalent | 0.38 (0.14, 1.08) | 0.93 (0.39, 2.18) | 0.96 (0.53, 1.73) | 0.80 (0.45, 1.41) | 0.87 (0.49, 1.53) |
| GCSE or equivalent/ other/ none | 1.26 (0.59, 2.68) | 1.47 (0.68, 3.21) | 0.99 (0.55, 1.77) | 0.74 (0.41, 1.32) | 0.98 (0.56, 1.71) |
|  |  |  |  |  |  |
| Employment status |  |  |  |  |  |
| Employed | Reference | Reference | Reference | Reference | Reference |
| Retired | 0.96 (0.46, 2.02) | 1.15 (0.58, 2.27) | 0.71 (0.41, 1.24) | 0.72 (0.42, 1.24) | 0.71 (0.42, 1.22) |
| Other | 0.50 (0.11, 2.17) | 0.45 (0.10, 1.98) | 0.62 (0.25, 1.52) | 0.59 (0.24, 1.46) | 0.66 (0.28, 1.55) |
|  |  |  |  |  |  |
| Tenancy |  |  |  |  |  |
| Home owner | Reference | Reference | Reference | Reference | Reference |
| Renting | 1.31 (0.55, 3.14) | 0.85 (0.34, 2.10) | 1.11 (0.60, 2.07) | 0.87 (0.45, 1.66) | 1.10 (0.60, 2.01) |
| Other | 3.30 (1.15, 9.48) | 1.93 (0.63, 5.93) | 0.89 (0.30, 2.67) | 1.08 (0.39, 2.97) | 1.34 (0.52, 3.45) |
|  |  |  |  |  |  |
| Activities limited by disability a lot | Reference | Reference | Reference | Reference | Reference |
| Activities limited by disability a little | 0.39 (0.09, 1.80) | 0.64 (0.12, 3.53) | 1.28 (0.25, 6.47) | 2.46 (0.29, 20.82) | 0.79 (0.19, 3.25) |
| Activities not limited by disability | 0.30 (0.07, 1.14) | 0.58 (0.12, 2.72) | 1.46 (0.32, 6.65) | 3.56 (0.46, 27.54) | 1.06 (0.29, 3.85) |
|  |  |  |  |  |  |
| Care for someone who is disabled | 0.75 (0.22, 2.53) | 0.98 (0.33, 2.89) | 0.29 (0.09, 0.96) | 0.38 (0.13, 1.10) | 0.35 (0.12, 1.01) |
|  |  |  |  |  |  |
| Living comfortably | Reference | Reference | Reference | Reference | Reference |
| Doing alright | 1.17 (0.54, 2.56) | 0.93 (0.43, 2.00) | 1.01 (0.59, 1.74) | 1.01 (0.59, 1.74) | 0.98 (0.57, 1.67) |
| Just about getting by to finding it very difficult to make end meet | 1.27 (0.49, 3.30) | 1.26 (0.51, 3.09) | 0.85 (0.41, 1.73) | 1.10 (0.56, 2.16) | 1.20 (0.63, 2.28) |
|  |  |  |  |  |  |
| Able to keep house damp free | Reference | Reference | Reference | Reference | Reference |
| Would like to keep house damp free but cannot afford it | 2.46 (0.28, 21.78) | 2.21 (0.25, 19.52) | 0.92 (0.11, 7.99) | 0.86 (0.10, 7.45) | 0.80 (0.09, 6.97) |
|  |  |  |  |  |  |
| Able to keep house in a decent state of decoration | Reference | Reference | Reference | Reference | Reference |
| Would like to keep house in a decent state of decoration but cannot afford it | 0.79 (0.10, 6.20) | 1.58 (0.34, 7.25) | 1.05 (0.29, 3.80) | 0.98 (0.27, 3.54) | 0.92 (0.25, 3.30) |
|  |  |  |  |  |  |
| Able to replace worn out furniture | Reference | Reference | Reference | Reference | Reference |
| Would like to replace worn out furniture but cannot afford or would not like to replace furniture | 1.38 (0.46, 4.18) | 0.86 (0.25, 2.96) | 1.86 (0.88, 3.94) | 1.27 (0.58, 2.79) | 1.84 (0.89, 3.80) |
|  |  |  |  |  |  |
| Able to have family or friends round at least once a month | Reference | Reference | Reference | Reference | Reference |
| Would like to have family or friends round at least once a month but cannot afford it or would not like to have friends or family round | 2.22 (0.47, 10.52) | 2.06 (0.44, 9.73) | 0.82 (0.18, 3.80) | 1.29 (0.34, 4.79) | 1.20 (0.32, 4.47) |
|  |  |  |  |  |  |
| Able to pay for a holiday away from home | Reference | Reference | Reference | Reference | Reference |
| Would like to pay for a holiday away from home but cannot afford it | 2.02 (0.78, 5.26) | 1.38 (0.51, 3.79) | 1.49 (0.72, 3.10) | 1.76 (0.87, 3.52) | 2.07 (1.06, 4.05) |
| Would not like to pay for a holiday away from home | 2.76 (0.31, 24.67) | 2.33 (0.26, 20.63) | 2.44 (0.44, 13.63) | 0.92 (0.11, 8.00) | 2.21 (0.40, 12.31) |
|  |  |  |  |  |  |
| Able to buy new clothes | Reference | Reference | Reference | Reference | Reference |
| Would like to buy new clothes but cannot afford it or would not like to buy new clothes | 1.08 (0.13, 8.62) | 2.21 (0.46, 10.51) | 3.45 (1.06, 11.21) | 2.21 (0.65, 7.54) | 2.03 (0.60, 6.93) |
|  |  |  |  |  |  |
| No cars or vans owned | Reference | Reference | Reference | Reference | Reference |
| 1 or more cars or vans owned | 0.63 (0.27, 1.43) | 0.63 (0.29, 1.38) | 0.69 (0.38, 1.28) | 0.81 (0.43, 1.51) | 0.88 (0.47, 1.63) |
|  |  |  |  |  |  |
| Life events in the last 6 months | 1.24 (0.81, 1.90) | 1.08 (0.71, 1.67) | 1.07 (0.78, 1.48) | 0.93 (0.67, 1.30) | 0.99 (0.73, 1.36) |
|  |  |  |  |  |  |
| Screening |  |  |  |  |  |
| Never forget to take medicine | 1.17 (0.56, 2.44) | 1.25 (0.62, 2.51) | 0.72 (0.44, 1.18) | 1.14 (0.69, 1.89) | 0.92 (0.57, 1.49) |
| Not careless at times about taking medicine | x | x | 2.54 (0.33, 19.79) | x | x |
| When feeling better, do not stop taking medicine | 1.01 (0.13, 7.98) | x | 1.15 (0.25, 5.27) | 2.65 (0.34, 20.68) | 2.85 (0.37, 22.19) |
| When feeling worse do not stop taking medicine | x | x | 0.21 (0.01, 3.32) | x | x |
| Not currently taking other anti-anxiety, sleeping medication, including complementary/ alternative medications | 0.49 (0.16, 1.48) | 0.57 (0.19, 1.72) | 1.82 (0.54, 6.18) | 1.91 (0.56, 6.47) | 1.46 (0.50, 4.31) |
|  |  |  |  |  |  |
| PHQ-9 | 1.03 (0.94, 1.14) | 0.97 (0.88, 1.07) | 0.98 (0.91, 1.05) | 0.93 (0.86, 1.01) | 0.97 (0.90, 1.04) |
|  |  |  |  |  |  |
| Minimisation factors |  |  |  |  |  |
| Site |  |  |  |  |  |
| London | Reference | Reference | Reference | Reference | Reference |
| Bristol | 0.88 (0.30, 2.61) | 0.77 (0.29, 2.04) | 1.89 (0.99, 3.59) | 2.75 (1.48, 5.11) | 3.04 (1.68, 5.51) |
| Southampton | 1.55 (0.60, 4.00) | 1.59 (0.70, 3.60) | 1.46 (0.73, 2.89) | 1.65 (0.83, 3.25) | 1.29 (0.65, 2.58) |
| York | 3.27 (1.40, 7.64) | 1.73 (0.74, 4.02) | 2.55 (1.33, 4.91) | 2.19 (1.11, 4.32) | 2.13 (1.10, 4.14) |
|  |  |  |  |  |  |
| Antidepressant |  |  |  |  |  |
| Sertraline | Reference | Reference | Reference | Reference | Reference |
| Citalopram | 0.93 (0.35, 2.46) | 0.77 (0.32, 1.84) | 0.77 (0.40, 1.48) | 0.71 (0.38, 1.32) | 0.59 (0.32, 1.09) |
| Fluoxetine | 1.15 (0.42, 3.12) | 0.84 (0.34, 2.09) | 0.82 (0.41, 1.63) | 0.68 (0.35, 1.32) | 0.58 (0.30, 1.10) |
| Mirtazapine | 0.75 (0.08, 6.67) | 1.17 (0.22, 6.06) | 0.24 (0.03, 1.97) | 0.21 (0.03, 1.68) | 0.17 (0.02, 1.36) |
|  |  |  |  |  |  |
| CIS-R score | 1.07 (1.00, 1.14) | 1.04 (0.98, 1.10) | 1.04 (0.99, 1.09) | 1.03 (0.98, 1.08) | 1.05 (1.00, 1.10) |
| CIS-R above the median | 1.50 (0.76, 2.96) | 1.12 (0.60, 2.11) | 1.28 (0.79, 2.06) | 1.17 (0.73, 1.87) | 1.42 (0.89, 2.25) |
| Age first became aware of having depression | 0.99 (0.97 1.01) | 1.00 (0.98, 1.02) | 1.00 (0.98, 1.02) | 1.00 (0.98, 1.02) | 1.00 (0.99, 1.02) |
| Three or more episodes of depression | 1.37 (0.32, 5.97) | 0.70 (0.24, 2.10) | 0.65 (0.28, 1.50) | 0.82 (0.34, 1.96) | 0.74 (0.32, 1.69) |
|  |  |  |  |  |  |
| Baseline |  |  |  |  |  |
| Never forget to take medicine | 0.73 (0.37, 1.44) | 0.88 (0.46, 1.70) | 0.70 (0.43, 1.14) | 1.03 (0.63, 1.68) | 0.90 (0.56, 1.45) |
| Not careless at times about taking medicine | 1.05 (0.24, 4.64) | 1.19 (0.27, 5.20) | 1.68 (0.49, 5.71) | 1.24 (0.42, 3.69) | 1.01 (0.37, 2.74) |
| When feeling better, do not stop taking medicine | 0.60 (0.20, 2.09) | 0.67 (0.19, 2.35) | 0.63 (0.24, 1.63) | 0.85 (0.31, 2.33) | 0.91 (0.33, 2.50) |
| When feeling worse do not stop taking medicine | x | 0.46 (0.05, 4.07) | 0.20 (0.04, 1.00) | 0.42 (0.08, 2.34) | 0.45 (0.08, 2.51) |
| Not currently taking other anti-anxiety, sleeping medication, including complementary/ alternative medications | 3.72 (0.50, 27.83) | 1.98 (0.46, 8.51) | 1.03 (0.44, 2.41) | 1.08 (0.46, 2.53) | 0.98 (0.44, 2.19) |
| Mood same or better than 2 weeks ago | 1.20 (0.27, 5.33) | x | 0.23 (0.03, 1.71) | 0.46 (0.11, 2.01) | 0.20 (0.03, 1.51) |
|  |  |  |  |  |  |
| PHQ-9 | 1.01 (0.92, 1.11) | 1.02 (0.94, 1.11) | 1.04 (0.97, 1.10) | 1.01 (0.95, 1.08) | 1.03 (0.97, 1.10) |
| GAD-7 | 1.00 (0.90, 1.12) | 1.04 (0.94, 1.14) | 1.05 (0.98, 1.13) | 1.04 (0.97, 1.12) | 1.07 (1.00, 1.15) |
| SF-12 physical | 1.00 (0.97, 1.04) | 1.02 (0.99, 1.06) | 1.01 (0.99, 1.04) | 1.03 (1.00, 1.06) | 1.02 (1.00, 1.05) |
| SF-12 mental | 0.98 (0.94, 1.01) | 0.98 (0.95, 1.02) | 1.01 (0.98, 1.03) | 0.99 (0.96, 1.01) | 0.98 (0.96, 1.01) |
| Modified Toronto\* | 1.10 (0.97, 1.23) | 1.01 (0.90, 1.13) | 1.04 (0.95, 1.13) | 1.02 (0.94, 1.12) | 1.04 (0.96, 1.13) |
| New or worsening symptoms\*\* | 0.98 (0.74, 1.31) | 0.91 (0.68, 1.22) | 1.05 (0.87, 1.27) | 0.95 (0.77, 1.16) | 1.03 (0.85, 1.24) |

\*Count of number of side effects

\*\*Count of number of new or worsening symptoms

X = model did not converge.

Predictors of missingness new or worsening symptoms (DESS)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Characteristic | 6 weeks | 12 weeks | 26 weeks | 39 weeks | 52 weeks |
|  | OR (95% CI) | OR (95% CI) | OR (95% CI) | OR (95% CI) | OR (95% CI) |
| Age | 0.98 (0.95, 1.01) | 0.99 (0.96, 1.02) | 0.98 (0.96, 1.00) | 0.98 (0.96, 0.99) | 0.98 (0.96, 1.00) |
| Female | 0.94 (0.42, 2.09) | 0.76 (0.36, 1.60) | 0.83 (0.48, 1.41) | 1.03 (0.60, 1.76) | 0.84 (0.50, 1.40) |
|  |  |  |  |  |  |
| Ethnicity |  |  |  |  |  |
| White | 1.59 (0.21, 12.18) | x | 2.03 (0.47, 8.83) | 2.28 (0.52, 9.88) | 1.52 (0.44, 5.21) |
| Not white | Reference | Reference | Reference | Reference | Reference |
|  |  |  |  |  |  |
| Marital Status |  |  |  |  |  |
| Married | Reference | Reference | Reference | Reference | Reference |
| Single | 1.16 (0.42, 3.18) | 0.40 (0.09, 1.74) | 0.81 (0.36, 1.82) | 1.05 (0.51, 2.16) | 0.99 (0.48, 2.01) |
| Separated or divorced | 0.56 (0.16, 1.94) | 1.07 (0.42, 2.73) | 1.54 (0.82, 2.91) | 1.26 (0.66, 2.39) | 1.28 (0.68, 2.40) |
| Widowed | 0.72 (0.16, 3.19) | 0.66 (0.15, 2.89) | 0.63 (0.22, 1.87) | 0.56 (0.19, 1.66) | 0.53 (0.18, 1.55) |
|  |  |  |  |  |  |
| Highest educational qualification |  |  |  |  |  |
| Degree/ higher degree | Reference | Reference | Reference | Reference | Reference |
| Diploma/ A Levels or equivalent | 0.30 (0.10, 0.94) | 1.08 (0.41, 2.87) | 0.89 (0.48, 1.65) | 0.78 (0.44, 1.40) | 0.81 (0.45, 1.46) |
| GCSE or equivalent/ other/ none | 0.90 (0.40, 2.02) | 1.86 (0.77, 4.48) | 1.02 (0.56, 1.85) | 0.76 (0.42, 1.37) | 1.01 (0.58, 1.78) |
|  |  |  |  |  |  |
| Employment status |  |  |  |  |  |
| Employed | Reference | Reference | Reference | Reference | Reference |
| Retired | 0.75 (0.32, 1.73) | 0.95 (0.44, 2.07) | 0.63 (0.35, 1.13) | 0.71 (0.41, 1.24) | 0.76 (0.44, 1.30) |
| Other | 0.55 (0.12, 2.40) | 0.55 (0.12, 2.40) | 0.66 (0.27, 1.63) | 0.74 (0.31, 1.73) | 0.71 (0.30, 1.66) |
|  |  |  |  |  |  |
| Tenancy |  |  |  |  |  |
| Home owner | Reference | Reference | Reference | Reference | Reference |
| Renting | 1.58 (0.65, 3.84) | 0.87 (0.32, 2.35) | 1.25 (0.67, 2.35) | 1.00 (0.53, 1.89) | 1.14 (0.62, 2.09) |
| Other | 3.03 (0.96, 9.60) | 1.73 (0.49, 6.15) | 1.00 (0.33, 3.02) | 1.14 (0.42, 3.14) | 1.10 (0.40, 3.02) |
|  |  |  |  |  |  |
| Activities limited by disability a lot | Reference | Reference | Reference | Reference | Reference |
| Activities limited by disability a little | 0.64 (0.12, 3.53) | 0.89 (0.09, 8.57) | 1.01 (0.19, 5.23) | 1.01 (0.19, 5.23) | 0.79 (0.19, 3.25) |
| Activities not limited by disability | 0.44 (0.09, 2.08) | 1.05 (0.13, 8.34) | 1.34 (0.29, 6.11) | 1.59 (0.35, 7.21) | 1.00 (0.27, 3.64) |
|  |  |  |  |  |  |
| Care for someone who is disabled | 0.59 (0.14, 2.55) | 0.28 (0.04, 2.08) | 0.32 (0.10, 1.07) | 0.40 (0.14, 1.13) | 0.37 (0.13, 1.06) |
|  |  |  |  |  |  |
| Living comfortably | Reference | Reference | Reference | Reference | Reference |
| Doing alright | 1.19 (0.50, 2.88) | 0.68 (0.29, 1.60) | 1.00 (0.57, 1.77) | 0.93 (0.54, 1.62) | 0.87 (0.50, 1.49) |
| Just about getting by to finding it very difficult to make end meet | 1.67 (0.62, 4.56) | 0.82 (0.28, 2.34) | 0.95 (0.46, 1.96) | 1.10 (0.56, 2.16) | 1.20 (0.63, 2.28) |
|  |  |  |  |  |  |
| Able to keep house damp free | Reference | Reference | Reference | Reference | Reference |
| Would like to keep house damp free but cannot afford it | 2.77 (0.31, 24.59) | 2.89 (0.32, 25.68) | 1.03 (0.12, 8.93) | 0.89 (0.10, 7.71) | 0.83 (0.10, 7.20) |
|  |  |  |  |  |  |
| Able to keep house in a decent state of decoration | Reference | Reference | Reference | Reference | Reference |
| Would like to keep house in a decent state of decoration but cannot afford it | 0.89 (0.11, 7.00) | 0.93 (0.12, 7.31) | 1.18 (0.33, 4.27) | 1.02 (0.28, 3.67) | 0.95 (0.26, 3.41) |
|  |  |  |  |  |  |
| Able to replace worn out furniture | Reference | Reference | Reference | Reference | Reference |
| Would like to replace worn out furniture but cannot afford or would not like to replace furniture | 1.57 (0.52, 4.81) | 0.71 (0.16, 3.13) | 2.12 (1.00, 4.50) | 1.54 (0.72, 3.32) | 1.91 (0.92, 3.95) |
|  |  |  |  |  |  |
| Able to have family or friends round at least once a month | Reference | Reference | Reference | Reference | Reference |
| Would like to have family or friends round at least once a month but cannot afford it or would not like to have friends or family round | 2.41 (0.51, 11.43) | 2.62 (0.55, 12.50) | 0.90 (0.20, 4.18) | 1.33 (0.36, 4.97) | 1.26 (0.34, 4.71) |
|  |  |  |  |  |  |
| Able to pay for a holiday away from home | Reference | Reference | Reference | Reference | Reference |
| Would like to pay for a holiday away from home but cannot afford it | 2.35 (0.89, 6.19) | 1.35 (0.44, 4.10) | 1.70 (0.81, 3.55) | 2.07 (1.04, 4.11) | 1.91 (0.96, 3.78) |
| Would not like to pay for a holiday away from home | 3.21 (0.36, 28.80) | 2.90 (0.32, 25.91) | 2.78 (0.50, 15.56) | 0.98 (0.11, 8.51) | 0.90 (0.10, 7.84) |
|  |  |  |  |  |  |
| Able to buy new clothes | Reference | Reference | Reference | Reference | Reference |
| Would like to buy new clothes but cannot afford it or would not like to buy new clothes | 1.21 (0.15, 9.69) | 1.26 (0.16, 10.10) | 3.87 (1.19, 12.59) | 2.29 (0.67, 7.82) | 2.14 (0.63, 7.29) |
|  |  |  |  |  |  |
| No cars or vans owned | Reference | Reference | Reference | Reference | Reference |
| 1 or more cars or vans owned | 0.51 (0.22, 1.19) | 0.56 (0.24, 1.28) | 0.69 (0.37, 1.29) | 0.78 (0.42, 1.46) | 0.84 (0.45, 1.56) |
|  |  |  |  |  |  |
| Life events in the last 6 months | 1.18 (0.75, 1.85) | 0.96 (0.58, 1.60) | 1.15 (0.83, 1.58) | 0.93 (0.67, 1.30) | 0.96 (0.70, 1.32) |
|  |  |  |  |  |  |
| Screening |  |  |  |  |  |
| Never forget to take medicine | 1.09 (0.50, 2.35) | 1.03 (0.49, 2.17) | 0.71 (0.43, 1.18) | 1.02 (0.62, 1.69) | 0.92 (0.56, 1.50) |
| Not careless at times about taking medicine | x | x | 2.31 (0.30, 18.06) | x | x |
| When feeling better, do not stop taking medicine | 0.86 (0.11, 6.82) | x | 1.04 (0.23, 4.81) | 2.58 (0.33, 20.09) | 2.73 (0.35, 21.28) |
| When feeling worse do not stop taking medicine | x | x | 0.19 (0.01, 3.03) | x | x |
| Not currently taking other anti-anxiety, sleeping medication, including complementary/ alternative medications | 0.42 (0.14, 1.30) | 0.63 (0.18, 2.20) | 1.65 (0.49, 5.61) | 1.85 (0.55, 6.27) | 1.40 (0.47, 4.13) |
|  |  |  |  |  |  |
| PHQ-9 | 1.03 (0.93, 1.15) | 0.98 (0.87, 1.09) | 0.99 (0.91, 1.06) | 0.95 (0.88, 1.03) | 0.97 (0.91, 1.05) |
|  |  |  |  |  |  |
| Minimisation factors |  |  |  |  |  |
| Site |  |  |  |  |  |
| London | Reference | Reference | Reference | Reference | Reference |
| Bristol | 0.86 (0.26, 2.87) | 1.07 (0.38, 2.98) | 1.98 (1.04, 3.79) | 2.75 (1.48, 5.11) | 3.04 (1.68, 5.51) |
| Southampton | 1.41 (0.49, 4.07) | 1.55 (0.60, 4.00) | 1.09 (0.52, 2.30) | 1.42 (0.70, 2.86) | 0.99 (0.48, 2.08) |
| York | 4.04 (1.65, 9.87) | 2.14 (0.85, 5.37) | 2.51 (1.29, 4.88) | 2.19 (1.11, 4.32) | 2.13 (1.10, 4.14) |
|  |  |  |  |  |  |
| Antidepressant |  |  |  |  |  |
| Sertraline | Reference | Reference | Reference | Reference | Reference |
| Citalopram | 0.80 (0.30, 2.17) | 0.73 (0.29, 1.87) | 0.70 (0.36, 1.35) | 0.74 (0.39, 1.40) | 0.66 (0.35, 1.23) |
| Fluoxetine | 0.89 (0.32, 2.49) | 0.75 (0.28, 2.01) | 0.72 (0.36, 1.44) | 0.73 (0.37, 1.44) | 0.66 (0.34, 1.27) |
| Mirtazapine | 0.75 (0.08, 6.67) | 0.63 (0.07, 5.52) | 0.24 (0.03, 1.97) | 0.22 (0.03, 1.81) | 0.19 (0.02, 1.56) |
|  |  |  |  |  |  |
| CIS-R score | 1.07 (1.00, 1.14) | 1.05 (0.98, 1.12) | 1.04 (0.99, 1.09) | 1.04 (1.00, 1.09) | 1.05 (1.00, 1.10) |
| CIS-R above the median | 1.68 (0.81, 3.49) | 1.12 (0.56, 2.25) | 1.28 (0.79, 2.10) | 1.31 (0.82, 2.11) | 1.39 (0.87, 2.21) |
| Age first became aware of having depression | 0.98 (0.96, 1.01) | 1.00 (0.98, 1.03) | 1.00 (0.98, 1.02) | 1.00 (0.98, 1.02) | 1.00 (0.99, 1.02) |
| Three or more episodes of depression | 1.16 (0.27, 5.08) | 0.78 (0.22, 2.69) | 0.71 (0.30, 1.70) | 0.80 (0.34, 1.90) | 0.71 (0.31, 1.62) |
|  |  |  |  |  |  |
| Baseline |  |  |  |  |  |
| Never forget to take medicine | 0.62 (0.30, 1.28) | 0.87 (0.42, 1.79) | 0.68 (0.41, 1.12) | 1.12 (0.68, 1.84) | 0.95 (0.59, 1.54) |
| Not careless at times about taking medicine | 1.92 (0.25, 14.65) | 0.92 (0.21, 4.09) | 1.52 (0.45, 5.19) | 1.21 (0.41, 3.58) | 0.97 (0.36, 2.63) |
| When feeling better, do not stop taking medicine | 0.82 (0.18, 3.63) | 0.85 (0.19, 3.76) | 0.57 (0.22, 1.48) | 0.82 (0.30, 2.26) | 0.87 (0.32, 2.40) |
| When feeling worse do not stop taking medicine | x | 0.36 (0.04, 3.21) | 0.18 (0.04, 0.91) | 0.41 (0.07, 2.27) | 0.43 (0.08, 2.41) |
| Not currently taking other anti-anxiety, sleeping medication, including complementary/ alternative medications | 1.49 (0.34, 6.46) | 3.27 (0.44, 24.57) | 0.93 (0.40, 2.18) | 1.05 (0.45, 2.45) | 0.93 (0.42, 2.10) |
| Mood same or better than 2 weeks ago | 0.65 (0.08, 4.99) | x | 0.25 (0.03, 1.88) | 0.47 (0.11, 2.07) | 0.21 (0.03, 1.58) |
|  |  |  |  |  |  |
| PHQ-9 | 1.03 (0.94, 1.14) | 1.02 (0.92, 1.12) | 1.03 (0.97, 1.10) | 1.02 (0.95, 1.08) | 1.03 (0.96, 1.09) |
| GAD-7 | 1.02 (0.91, 1.14) | 1.01 (0.90, 1.13) | 1.04 (0.96, 1.12) | 1.05 (0.98, 1.13) | 1.05 (0.98, 1.13) |
| SF-12 physical | 1.00 (0.96, 1.03) | 1.02 (0.98, 1.07) | 1.02 (0.99, 1.04) | 1.03 (1.00, 1.05) | 1.03 (1.00, 1.05) |
| SF-12 mental | 0.97 (0.64, 1.01) | 1.00 (0.96, 1.04) | 1.00 (0.97, 1.03) | 0.99 (0.96, 1.01) | 0.98 (0.96, 1.01) |
| Modified Toronto\* | 1.10 (0.97, 1.25) | 1.01 (0.89, 1.15) | 1.05 (0.96, 1.15) | 1.03 (0.94, 1.12) | 1.04 (0.95, 1.13) |
| New or worsening symptoms\*\* | 1.05 (0.79, 1.39) | 0.90 (0.65, 1.24) | 1.06 (0.88, 1.29) | 0.97 (0.80, 1.19) | 1.00 (0.83, 1.21) |

\*Count of number of side effects

\*\*Count of number of new or worsening symptoms

X = model did not converge.

Predictors of missingness Global Rating Question

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Characteristic | 6 weeks | 12 weeks | 26 weeks | 39 weeks | 52 weeks |
|  | OR (95% CI) | OR (95% CI) | OR (95% CI) | OR (95% CI) | OR (95% CI) |
| Age | 0.98 (0.95, 1.00) | 0.99 (0.96, 1.02) | 0.98 (0.96, 1.00) | 0.98 (0.96, 1.00) | 0.98 (0.96, 1.00) |
| Female | 0.94 (0.42, 2.09) | 0.76 (0.36, 1.60) | 0.81 (0.47, 1.38) | 1.01 (0.59, 1.73) | 0.84 (0.50, 1.40) |
|  |  |  |  |  |  |
| Ethnicity |  |  |  |  |  |
| White | 1.59 (0.21, 12.18) | x | 2.00 (0.46, 8.69) | 2.24 (0.52, 9.73) | 1.52 (0.44, 5.21) |
| Not white | Reference | Reference | Reference | Reference | Reference |
|  |  |  |  |  |  |
| Marital Status |  |  |  |  |  |
| Married | Reference | Reference | Reference | Reference | Reference |
| Single | 1.10 (0.40, 3.02) | 0.40 (0.09, 1.74) | 0.81 (0.36, 1.82) | 1.08 (0.53, 2.11) | 0.99 (0.48, 2.01) |
| Separated or divorced | 0.35 (0.08, 1.53) | 1.07 (0.42, 2.73) | 1.54 (0.82, 2.91) | 1.29 (0.68, 2.45) | 1.28 (0.68, 2.40) |
| Widowed | 0.69 (0.16, 3.03) | 0.66 (0.15, 2.89) | 0.46 (0.14, 1.56) | 0.58 (0.20, 1.70) | 0.53 (0.18, 1.55) |
|  |  |  |  |  |  |
| Highest educational qualification |  |  |  |  |  |
| Degree/ higher degree | Reference | Reference | Reference | Reference | Reference |
| Diploma/ A Levels or equivalent | 0.41 (0.14, 1.17) | 1.08 (0.41, 2.87) | 0.93 (0.50, 1.73) | 0.78 (0.44, 1.40) | 0.81 (0.45, 1.46) |
| GCSE or equivalent/ other/ none | 0.97 (0.43, 2.20) | 1.86 (0.77, 4.48) | 1.06 (0.58, 1.94) | 0.72 (0.40, 1.31) | 1.01 (0.58, 1.78) |
|  |  |  |  |  |  |
| Employment status |  |  |  |  |  |
| Employed | Reference | Reference | Reference | Reference | Reference |
| Retired | 0.75 (0.32, 1.73) | 0.95 (0.44, 2.07) | 0.59 (0.32, 1.07) | 0.71 (0.41, 1.24) | 0.76 (0.44, 1.30) |
| Other | 0.55 (0.12, 2.40) | 0.55 (0.12, 2.40) | 0.66 (0.27, 1.63) | 0.62 (0.25, 1.52) | 0.71 (0.30, 1.66) |
|  |  |  |  |  |  |
| Tenancy |  |  |  |  |  |
| Home owner | Reference | Reference | Reference | Reference | Reference |
| Renting | 1.27 (0.50, 3.24) | 0.87 (0.32, 2.35) | 1.28 (0.68, 2.40) | 0.92 (0.48, 1.76) | 1.14 (0.62, 2.09) |
| Other | 2.88 (0.91, 9.10) | 1.73 (0.49, 6.15) | 1.02 (0.34, 3.08) | 1.14 (0.42, 3.14) | 1.10 (0.40, 3.02) |
|  |  |  |  |  |  |
| Activities limited by disability a lot | Reference | Reference | Reference | Reference | Reference |
| Activities limited by disability a little | 0.64 (0.12, 3.53) | 0.89 (0.09, 8.57) | 1.01 (0.19, 5.23) | 2.17 (0.25, 18.59) | 0.79 (0.19, 3.25) |
| Activities not limited by disability | 0.46 (0.10, 2.19) | 1.05 (0.13, 8.34) | 1.31 (0.29, 5.98) | 3.42 (0.44, 26.48) | 1.00 (0.27, 3.64) |
|  |  |  |  |  |  |
| Care for someone who is disabled | 0.56 (0.13, 2.45) | 0.28 (0.04, 2.08) | 0.33 (0.10, 1.09) | 0.40 (0.14, 1.15) | 0.37 (0.13, 1.06) |
|  |  |  |  |  |  |
| Living comfortably | Reference | Reference | Reference | Reference | Reference |
| Doing alright | 1.31 (0.55, 3.11) | 0.68 (0.29, 1.60) | 1.04 (0.59, 1.85) | 0.93 (0.54, 1.62) | 0.87 (0.50, 1.49) |
| Just about getting by to finding it very difficult to make end meet | 1.67 (0.62, 4.56) | 0.82 (0.28, 2.34) | 0.99 (0.48, 2.05) | 1.01 (0.51, 2.02) | 1.20 (0.63, 2.28) |
|  |  |  |  |  |  |
| Able to keep house damp free | Reference | Reference | Reference | Reference | Reference |
| Would like to keep house damp free but cannot afford it | 2.66 (0.30, 23.58) | 2.89 (0.32, 25.68) | 1.05 (0.12, 9.10) | 0.90 (0.10, 7.85) | 0.83 (0.10, 7.20) |
|  |  |  |  |  |  |
| Able to keep house in a decent state of decoration | Reference | Reference | Reference | Reference | Reference |
| Would like to keep house in a decent state of decoration but cannot afford it | 0.85 (0.11, 6.71) | 0.93 (0.12, 7.31) | 1.20 (0.33, 4.35) | 1.04 (0.29, 3.73) | 0.95 (0.26, 3.41) |
|  |  |  |  |  |  |
| Able to replace worn out furniture | Reference | Reference | Reference | Reference | Reference |
| Would like to replace worn out furniture but cannot afford or would not like to replace furniture | 1.50 (0.49, 4.58) | 0.71 (0.16, 3.13) | 2.17 (1.02, 4.60) | 1.34 (0.61, 2.96) | 1.91 (0.92, 3.95) |
|  |  |  |  |  |  |
| Able to have family or friends round at least once a month | Reference | Reference | Reference | Reference | Reference |
| Would like to have family or friends round at least once a month but cannot afford it or would not like to have friends or family round | 2.31 (0.49, 10.96) | 2.62 (0.55, 12.50) | 0.92 (0.20, 4.26) | 1.36 (0.36, 5.06) | 1.26 (0.34, 4.71) |
|  |  |  |  |  |  |
| Able to pay for a holiday away from home | Reference | Reference | Reference | Reference | Reference |
| Would like to pay for a holiday away from home but cannot afford it | 2.23 (0.85, 5.85) | 1.35 (0.44, 4.10) | 1.74 (0.83, 3.63) | 1.87 (0.93, 3.75) | 1.91 (0.96, 3.78) |
| Would not like to pay for a holiday away from home | 3.05 (0.34, 27.28) | 2.90 (0.32, 25.91) | 2.84 (0.51, 15.93) | 0.98 (0.11, 8.51) | 0.90 (0.10, 7.84) |
|  |  |  |  |  |  |
| Able to buy new clothes | Reference | Reference | Reference | Reference | Reference |
| Would like to buy new clothes but cannot afford it or would not like to buy new clothes | 1.16 (0.14, 9.31) | 1.26 (0.16, 10.10) | 3.95 (1.21, 12.85) | 2.33 (0.68, 7.96) | 2.14 (0.63, 7.29) |
|  |  |  |  |  |  |
| No cars or vans owned | Reference | Reference | Reference | Reference | Reference |
| 1 or more cars or vans owned | 0.62 (0.23, 1.49) | 0.56 (0.24, 1.28) | 0.67 (0.36, 1.26) | 0.77 (0.41, 1.43) | 0.84 (0.45, 1.56) |
|  |  |  |  |  |  |
| Life events in the last 6 months | 1.14 (0.73, 1.79) | 0.96 (0.58, 1.60) | 1.14 (0.82, 1.57) | 0.89 (0.64, 1.26) | 0.96 (0.70, 1.32) |
|  |  |  |  |  |  |
| Screening |  |  |  |  |  |
| Never forget to take medicine | 1.09 (0.50, 2.35) | 1.03 (0.49, 2.17) | 0.74 (0.45, 1.23) | 1.07 (0.64, 1.78) | 0.92 (0.56, 1.50) |
| Not careless at times about taking medicine | x | x | 2.28 (0.29, 17.78) | x | x |
| When feeling better, do not stop taking medicine | 0.86 (0.11, 6.82) | x | 1.03 (0.22, 4.73) | 2.54 (0.33, 19.79) | 2.73 (0.35, 21.28) |
| When feeling worse do not stop taking medicine | x | x | 0.18 (0.01, 2.98) | x | x |
| Not currently taking other anti-anxiety, sleeping medication, including complementary/ alternative medications | 0.42 (0.14, 1.30) | 0.63 (0.18, 2.20) | 1.63 (0.48, 5.52) | 1.82 (0.54, 6.18) | 1.40 (0.47, 4.13) |
|  |  |  |  |  |  |
| PHQ-9 | 1.00 (0.90, 1.12) | 0.98 (0.87, 1.09) | 0.99 (0.91, 1.06) | 0.94 (0.87, 1.02) | 0.97 (0.91, 1.05) |
|  |  |  |  |  |  |
| Minimisation factors |  |  |  |  |  |
| Site |  |  |  |  |  |
| London | Reference | Reference | Reference | Reference | Reference |
| Bristol | 0.86 (0.26, 2.87) | 1.07 (0.38, 2.98) | 2.09 (1.09, 4.01) | 2.75 (1.48, 5.11) | 3.04 (1.68, 5.51) |
| Southampton | 1.41 (0.49, 2.87) | 1.55 (0.60, 4.00) | 1.15 (0.54, 2.43) | 1.42 (0.70, 2.86) | 0.99 (0.48, 2.08) |
| York | 4.04 (1.65, 9.87) | 2.14 (0.85, 5.37) | 2.64 (1.35, 5.16) | 2.03 (1.02, 4.05) | 2.13 (1.10, 4.14) |
|  |  |  |  |  |  |
| Antidepressant |  |  |  |  |  |
| Sertraline | Reference | Reference | Reference | Reference | Reference |
| Citalopram | 0.74 (0.27, 2.03) | 0.73 (0.29, 1.87) | 0.70 (0.36, 1.35) | 0.74 (0.39, 1.40) | 0.66 (0.35, 1.23) |
| Fluoxetine | 0.97 (0.35, 2.70) | 0.75 (0.28, 2.01) | 0.68 (0.34, 1.38) | 0.70 (0.35, 1.38) | 0.66 (0.34, 1.27) |
| Mirtazapine | 0.75 (0.08, 6.67) | 0.63 (0.07, 5.52) | 0.24 (0.03, 1.97) | 0.22 (0.03, 1.81) | 0.19 (0.02, 1.56) |
|  |  |  |  |  |  |
| CIS-R score | 1.05 (0.98, 1.12) | 1.05 (0.98, 1.12) | 1.04 (0.99, 1.09) | 1.04 (0.99, 1.09) | 1.05 (1.00, 1.10) |
| CIS-R above the median | 1.46 (0.71, 3.02) | 1.12 (0.56, 2.25) | 1.25 (0.76, 2.04) | 1.28 (0.79, 2.06) | 1.39 (0.87, 2.21) |
| Age first became aware of having depression | 0.98 (0.96, 1.01) | 1.00 (0.98, 1.03) | 1.00 (0.98, 1.01) | 1.00 (0.98, 1.02) | 1.00 (0.99, 1.02) |
| Three or more episodes of depression | 1.16 (0.27, 5.08) | 0.78 (0.22, 2.69) | 0.70 (0.29, 1.67) | 0.79 (0.33, 1.87) | 0.71 (0.31, 1.62) |
|  |  |  |  |  |  |
| Baseline |  |  |  |  |  |
| Never forget to take medicine | 0.71 (0.35, 1.48) | 0.87 (0.42, 1.79) | 0.71 (0.43, 1.17) | 1.09 (0.66, 1.81) | 0.95 (0.59, 1.54) |
| Not careless at times about taking medicine | 1.92 (0.25, 14.65) | 0.92 (0.21, 4.09) | 2.38 (0.55, 10.27) | 1.19 (0.40, 3.53) | 0.97 (0.36, 2.63) |
| When feeling better, do not stop taking medicine | 0.82 (0.18, 3.63) | 0.85 (0.19, 3.76) | 0.56 (0.22, 1.45) | 0.81 (0.29, 2.22) | 0.87 (0.32, 2.40) |
| When feeling worse do not stop taking medicine | x | 0.36 (0.04, 3.21) | 0.18 (0.04, 0.90) | 0.40 (0.07, 2.24) | 0.43 (0.08, 2.41) |
| Not currently taking other anti-anxiety, sleeping medication, including complementary/ alternative medications | 3.16 (0.42, 23.76) | 3.27 (0.44, 24.57) | 0.92 (0.39, 2.15) | 1.03 (0.44, 2.41) | 0.93 (0.42, 2.10) |
| Mood same or better than 2 weeks ago | 0.65 (0.08, 4.99) | x | 0.25 (0.03, 1.91) | 0.48 (0.11, 2.10) | 0.21 (0.03, 1.58) |
|  |  |  |  |  |  |
| PHQ-9 | 1.01 (0.91, 1.11) | 1.02 (0.92, 1.12) | 1.03 (0.96, 1.10) | 1.01 (0.95, 1.08) | 1.03 (0.96, 1.09) |
| GAD-7 | 0.98 (0.87, 1.11) | 1.01 (0.90, 1.13) | 1.04 (0.96, 1.12) | 1.05 (0.97, 1.13) | 1.05 (0.98, 1.13) |
| SF-12 physical | 1.00 (0.97, 1.04) | 1.02 (0.98, 1.07) | 1.01 (0.99, 1.04) | 1.03 (1.00, 1.06) | 1.03 (1.00, 1.05) |
| SF-12 mental | 0.98 (0.94, 1.02) | 1.00 (0.96, 1.04) | 1.00 (0.98, 1.03) | 0.99 (0.96, 1.01) | 0.98 (0.96, 1.01) |
| Modified Toronto\* | 1.08 (0.95, 1.22) | 1.01 (0.89, 1.15) | 1.05 (0.96, 1.15) | 1.03 (0.94, 1.12) | 1.04 (0.95, 1.13) |
| New or worsening symptoms\*\* | 1.02 (0.77, 1.37) | 0.90 (0.65, 1.24) | 1.06 (0.87, 1.29) | 0.96 (0.78, 1.18) | 1.00 (0.83, 1.21) |

\*Count of number of side effects

\*\*Count of number of new or worsening symptoms

X = model did not converge.

Unit costs and other information from British National Formulary applied to medications information. The lowest cost to the NHS was used for each line of data (i.e. each report from each patient), considering the duration and dosage and rounding up to the nearest whole pack.

|  |  |  |  |
| --- | --- | --- | --- |
| Name of medication | Mean tablet size (mg) | Mean package cost (£) | Mean package size (tablets) |
| Amitriptyline | 13.35 | 61.32 | 28 |
| Citalopram | 18.49 | 68.19 | 28 |
| Diazepam | 2.65 | 41.40 | 28 |
| Fluoxetine | 19.37 | 87.04 | 30 |
| Mirtazapine | 27.37 | 126.46 | 28 |
| Sertraline | 87.83 | 121.97 | 28 |
| Zopiclone | 4.99 | 79.61 | 28 |