**Supplementary Appendix 2**

**Article: *Depression, Anxiety, and Medication Adherence amongst Tuberculosis Patients attending treatment centres in Fako Division, Cameroon: A Cross-sectional study***

**Table S2.1: Association of depression with sociodemographic factors amongst TB patients in the Fako Division of Cameroon**

| **Variable** | **Variable Response** | **Severity of Depression** | **P-Value** |
| --- | --- | --- | --- |
| **Normal** | **Borderline Abnormal** | **Abnormal** |
| **N (%)** | **N (%)** | **N (%)** |
| Name of Hospital | Buea Regional Hospital |  40 (32.5)  | 44 (35.8) | 39 (31.7) | <0.001 |
| Baptist Hospital Mutengene |  94 (60.3)  | 50 (32.1) | 12 (7.7) |
| Tiko Cottage Hospital |  15 (60)  | 3 (12) | 7 (28) |
| Tiko District Hospital |  24 (80)  | 2 (6.7) | 4 (13.3) |
| Limbe Regional Hospital |  23 (56.1)  | 13 (31.7) | 5 (12.2) |
| Age group (years) | 21-30 |  92 (57.9)  | 38 (23.9) | 29 (18.2) | 0.091 |
| 31-40 |  63 (52.9)  | 40 (33.6) | 16 (13.4) |
| 41-50 |  24 (41.4)  | 18 (31) | 16 (27.6) |
| 51-60 |  9 (56.3)  | 6 (37.5) | 1 (6.3) |
| >=61 |  8 (34.8)  | 10 (43.5) | 5 (21.7) |
| Sex of respondents | Female |  75 (50.7)  | 51 (34.5) | 22 (14.9) | 0.215 |
| Male |  121 (53.3)  | 61 (26.9) | 45 (19.8) |
| Marital Status | Single |  120 (53.8)  | 65 (29.1) | 38 (17) | 0.157 |
| Married |  72 (51.8)  | 44 (31.7) | 23 (16.5) |
| Widow |  3 (30)  | 3 (30) | 4 (40) |
| Widower |  1 (33.3)  | 0 (0) | 2 (66.7) |
| Educational Level  | Primary |  41 (39.4)  | 38 (36.5) | 25 (24) | 0.001 |
| Secondary |  122 (57.5)  | 63 (29.7) | 27 (12.7) |
| Tertiary |  32 (58.2)  |  11 (20)  |  12 (21.8)  |
| No Education |  1 (25)  |  0 (0)  |  3 (75)  |
| Place of Residence | Rural |  77 (51)  |  43 (28.5)  |  31 (20.5)  | 0.537 |
| Urban |  119 (53.1)  |  69 (30.8)  |  36 (16.1)  |
| Employment Status | Employed |  96 (48.2)  |  64 (32.2)  |  39 (19.6)  | 0.25 |
| Unemployed |  100 (56.8)  |  48 (27.3)  |  28 (15.9)  |
| Occupation | Government Employed |  0 (0)  |  1 (14.3)  |  6 (85.7)  | <0.001 |
| Merchant/Business |  50 (47.2)  |  38 (35.8)  |  18 (17)  |
| Private Employed |  53 (53.5)  |  29 (29.3)  |  17 (17.2)  |
| Farmer |  25 (53.2)  |  8 (17)  |  14 (29.8)  |
| Housewife |  11 (52.4)  |  7 (33.3)  |  3 (14.3)  |
| Others |  57 (60)  |  29 (30.5)  |  9 (9.5)  |
| Religion | Presbyterian |  33 (40.2)  |  20 (24.4)  |  29 (35.4)  | <0.001 |
| Muslim |  5 (62.5)  |  3 (37.5)  |  0 (0)  |
| Atheist |  11 (55)  |  7 (35)  |  2 (10)  |
| Catholic |  51 (61.4)  |  22 (26.5)  |  10 (12)  |
| Pentecostals |  76 (50)  |  57 (37.5)  |  19 (12.5)  |
| Baptist |  20 (66.7)  |  3 (10)  |  7 (23.3)  |
| Living alone | No |  163 (53.1)  |  95 (30.9)  |  49 (16)  | 0.115 |
| Yes |  33 (48.5)  |  17 (25)  |  18 (26.5)  |
| Family Size Groups | <=5 |  105 (48.6)  |  75 (34.7)  |  36 (16.7)  | 0.057 |
| >5 |  91 (57.2)  |  37 (23.3)  |  31 (19.5)  |
| Monthly Income | <50 000 |  27 (73)  |  3 (8.1)  |  7 (18.9)  | 0.012 |
| 50 000 to 100 000 |  108 (49.3)  |  63 (28.8)  |  48 (21.9)  |
| 100 001 to 200 000 |  28 (50.9)  |  19 (34.5)  |  8 (14.5)  |
| 200 001 to 300 000 |  12 (52.2)  |  11 (47.8)  |  0 (0)  |
| >300 000 |  8 (57.1)  |  4 (28.6)  |  2 (14.3)  |
| No Income |  13 (48.1)  |  12 (44.4)  |  2 (7.4)  |

**Table S2.2: Association of depression with Clinical, social support and medication adherence factors amongst TB patients in the Fako Division of Cameroon.**

| **Variable** | **Variable Response** | **Severity of Depression** | **P-Value** |
| --- | --- | --- | --- |
| **Normal** | **Borderline Abnormal** | **Abnormal** |
| **N (%)** | **N (%)** | **N (%)** |
| Classification Type | Pulmonary TB |  184 (56.6)  |  86 (26.5)  |  55 (16.9)  | <0.001 |
| Extrapulmonary TB |  12 (24)  |  26 (52)  |  12 (24)  |
| Sputum Type | Positive |  165 (55.7)  |  83 (28)  |  48 (16.2)  | 0.031 |
| Negative |  31 (39.2)  |  29 (36.7)  |  19 (24.1)  |
| Patient Status | Hospitalized |  12 (28.6)  |  16 (38.1)  |  14 (33.3)  | 0.002 |
| Outpatient |  184 (55.3)  |  96 (28.8)  |  53 (15.9)  |
| Category of Treatment | New |  178 (52)  |  103 (30.1)  |  61 (17.8)  | 0.832 |
| Default |  5 (45.5)  |  4 (36.4)  |  2 (18.2)  |
| Retreatment |  8 (50)  |  4 (25)  |  4 (25)  |
| Relapse |  3 (100)  |  0 (0)  |  0 (0)  |
| Failure |  2 (66.7)  |  1 (33.3)  |  0 (0)  |
| Substance Use | No |  167 (52.5)  |  101 (31.8)  |  50 (15.7)  | 0.019 |
| Yes |  29 (50.9)  |  11 (19.3)  |  17 (29.8)  |
| Family History of Mental Illness | No |  189 (52.6)  |  110 (30.6)  |  60 (16.7)  | 0.017 |
| Yes |  7 (43.8)  |  2 (12.5)  |  7 (43.8)  |
| TB/HIV Coinfection | No |  164 (54.8)  |  81 (27.1)  |  54 (18.1)  | 0.057 |
| Yes |  32 (42.1)  |  31 (40.8)  |  13 (17.1)  |
| MDR TB CASE | No |  196 (53)  |  110 (29.7)  |  64 (17.3)  | 0.02 |
| Yes |  0 (0)  |  2 (40)  |  3 (60)  |
| Phase of treatment | Initiation Phase |  78 (49.7)  |  40 (25.5)  |  39 (24.8)  | 0.009 |
| Continuation Phase |  118 (54.1)  |  72 (33)  |  28 (12.8)  |
| BMI | Normal |  92 (56.1)  |  51 (31.1)  |  21 (12.8)  | <0.001 |
| Underweight |  17 (34.7)  |  12 (24.5)  |  20 (40.8)  |
| Overweight |  33 (76.7)  |  7 (16.3)  |  3 (7)  |
| Obesity |  7 (33.3)  |  10 (47.6)  |  4 (19)  |
| Unknown |  47 (48)  |  32 (32.7)  |  19 (19.4)  |
| Duration of illness | <=4 Weeks |  54 (49.1)  |  32 (29.1)  |  24 (21.8)  | 0.429 |
| >4 Weeks |  142 (53.6)  |  80 (30.2)  |  43 (16.2)  |
| Level of Social Support | Poor Social Support |  49 (43.8)  |  32 (28.6)  |  31 (27.7)  | 0.004 |
| Strong Social Support |  147 (55.9)  |  80 (30.4)  |  36 (13.7)  |
| Medication Adherence | Adherent |  187 (55)  |  98 (28.8)  |  55 (16.2)  | 0.002 |
| Non-Adherent |  9 (25.7)  |  14 (40)  |  12 (34.3)  |

**Table S2.3: Chi-square test of association of anxiety with socio-demographic factors amongst TB patients in the Fako Division of Cameroon**

| **Variable** | **Variable Response** | **Severity of Anxiety** | **P-Value** |
| --- | --- | --- | --- |
| **Normal** | **Borderline Abnormal** | **Abnormal** |
| **N (%)** | **N (%)** | **N (%)** |
| Name of Hospital | Buea Regional Hospital | 56 (45.5) | 37 (30.1) | 30 (24.4) | <0.001 |
| Baptist Hospital Mutengene | 128 (82.1) | 22 (14.1) | 6 (3.8) |
| Tiko Cottage Hospital | 21 (84) | 0 (0) | 4 (16) |
| Tiko District Hospital | 22 (73.3) | 6 (20) | 2 (6.7) |
| Limbe Regional Hospital | 36 (87.8) | 5 (12.2) | 0 (0) |
| Age Group | 21-30 | 113 (71.1) | 29 (18.2) | 17 (10.7) | 0.479 |
| 31-40 | 90 (75.6) | 17 (14.3) | 12 (10.1) |
| 41-50 | 34 (58.6) | 15 (25.9) | 9 (15.5) |
| 51-60 | 10 (62.5) | 5 (31.3) | 1 (6.3) |
| >=61 | 16 (69.6) | 4 (17.4) | 3 (13) |
| Sex  | Female | 97 (65.5) | 31 (20.9) | 20 (13.5) | 0.275 |
| Male | 166 (73.1) | 39 (17.2) | 22 (9.7) |
| Marital Status | Single | 167 (74.9) | 34 (15.2) | 22 (9.9) | 0.014 |
| Married | 89 (64) | 34 (24.5) | 16 (11.5) |
| Widow | 6 (60) | 2 (20) | 2 (20) |
| Widower | 1 (33.3) | 0 (0) | 2 (66.7) |
| Educational Level | Primary | 67 (64.4) | 25 (24) | 12 (11.5) | 0.436 |
| Secondary | 157 (74.1) | 34 (16) | 21 (9.9) |
| Tertiary | 36 (65.5) | 11 (20) | 8 (14.5) |
| No Education | 3 (75) | 0 (0) | 1 (25) |
| Residence | Rural | 106 (70.2) | 31 (20.5) | 14 (9.3) | 0.52 |
|  | Urban | 157 (70.1) | 39 (17.4) | 28 (12.5) |
| Employment status | Employed | 128 (64.3) | 48 (24.1) | 23 (11.6) | 0.012 |
| Unemployed | 135 (76.7) | 22 (12.5) | 19 (10.8) |
| Occupation | Government Employed | 1 (14.3) | 3 (42.9) | 3 (42.9) | 0.026 |
| Merchant/Business | 75 (70.8) | 19 (17.9) | 12 (11.3) |
| Private Employed | 64 (64.6) | 26 (26.3) | 9 (9.1) |
| Farmer | 32 (68.1) | 8 (17) | 7 (14.9) |
| Housewife | 16 (76.2) | 3 (14.3) | 2 (9.5) |
| Religion | Presbyterian | 59 (72) | 14 (17.1) | 9 (11) | 0.787 |
| Muslim | 6 (75) | 1 (12.5) | 1 (12.5) |
| Atheist | 13 (65) | 6 (30) | 1 (5) |
| Catholic | 58 (69.9) | 17 (20.5) | 8 (9.6) |
| Pentecostals | 104 (68.4) | 30 (19.7) | 18 (11.8) |
| Baptist | 23 (76.7) | 2 (6.7) | 5 (16.7) |
|  Living alone | No | 209 (68.1) | 63 (20.5) | 35 (11.4) | 0.122 |
| Yes | 54 (79.4) | 7 (10.3) | 7 (10.3) |
| Family Size | <=5 | 153 (70.8) | 43 (19.9) | 20 (9.3) | 0.338 |
|  | >5 | 110 (69.2) | 27 (17) | 22 (13.8) |
| Monthly Income | <50 000 | 26 (70.3) | 6 (16.2) | 5 (13.5) | 0.001 |
| 50 000 to 100 000 | 159 (72.6) | 36 (16.4) | 24 (11) |
| 100 001 to 200 000 | 34 (61.8) | 12 (21.8) | 9 (16.4) |
| 200 001 to 300 000 | 21 (91.3) | 2 (8.7) | 0 (0) |
| >300 000 | 3 (21.4) | 9 (64.3) | 2 (14.3) |
| No Income | 20 (74.1) | 5 (18.5) | 2 (7.4) |

**Table S2.4: Chi-square test of association of depression with Clinical, social support and medication adherence factors amongst TB patients in the Fako Division of Cameroon**

| **Variable** | **Variable Response** | **Severity of Anxiety** | **P-Value** |
| --- | --- | --- | --- |
| **Normal** | **Borderline Abnormal** | **Abnormal** |
| **N (%)** | **N (%)** | **N (%)** |
| Classification Type | Pulmonary TB |  235 (72.3)  |  57 (17.5)  |  33 (10.2)  | 0.058 |
| Extrapulmonary TB |  28 (56)  |  13 (26)  |  9 (18)  |
| Sputum Type | Positive |  213 (72)  |  55 (18.6)  |  28 (9.5)  | 0.107 |
| Negative |  50 (63.3)  |  15 (19)  |  14 (17.7)  |
| Patient Status | Hospitalized |  20 (47.6)  |  11 (26.2)  |  11 (26.2)  | 0.001 |
| Outpatient |  243 (73)  |  59 (17.7)  |  31 (9.3)  |
| Category of Treatment | New |  246 (71.9)  |  60 (17.5)  |  36 (10.5)  | 0.328 |
| Default |  5 (45.5)  |  4 (36.4)  |  2 (18.2)  |
| Retreatment |  8 (50)  |  4 (25)  |  4 (25)  |
| Relapse |  2 (66.7)  |  1 (33.3)  |  0 (0)  |
| Failure |  2 (66.7)  |  1 (33.3)  |  0 (0)  |
| Substance Use | No |  225 (70.8)  |  58 (18.2)  |  35 (11)  | 0.823 |
| Yes |  38 (66.7)  |  12 (21.1)  |  7 (12.3)  |
| Family History of Mental Illness | No |  255 (71)  |  67 (18.7)  |  37 (10.3)  | 0.031 |
| Yes |  8 (50)  |  3 (18.8)  |  5 (31.3)  |
| HIV/TB Coinfection | No |  214 (71.6)  |  53 (17.7)  |  32 (10.7)  | 0.482 |
| Yes |  49 (64.5)  |  17 (22.4)  |  10 (13.2)  |
| MDR TB | No |  260 (70.3)  |  68 (18.4)  |  42 (11.4)  | 0.391 |
| Yes |  3 (60)  |  2 (40)  |  0 (0)  |
| Phase of treatment | Initiation Phase |  103 (65.6)  |  31 (19.7)  |  23 (14.6)  | 0.148 |
| Continuation Phase |  160 (73.4)  |  39 (17.9)  |  19 (8.7)  |
| BMI | Normal |  121 (73.8)  |  33 (20.1)  |  10 (6.1)  | 0.002 |
| Underweight |  28 (57.1)  |  8 (16.3)  |  13 (26.5)  |
| Overweight |  32 (74.4)  |  9 (20.9)  |  2 (4.7)  |
| Obesity |  10 (47.6)  |  6 (28.6)  |  5 (23.8)  |
| Unknown |  72 (73.5)  |  14 (14.3)  |  12 (12.2)  |
| Duration of illness | <=4 Weeks |  66 (60)  |  25 (22.7)  |  19 (17.3)  | 0.012 |
| >4 Weeks |  197 (74.3)  |  45 (17)  |  23 (8.7)  |
| Level of Social Support | Poor Social Support |  65 (58)  |  27 (24.1)  |  20 (17.9)  | 0.002 |
| Strong Social Support |  198 (75.3)  |  43 (16.3)  |  22 (8.4)  |
| Medication Adherence | Adherent |  247 (72.6)  |  57 (16.8)  |  36 (10.6)  | 0.003 |
| Non-Adherent |  16 (45.7)  |  13 (37.1)  | 1. (17.1)
 |