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The Mood Type Indicator as compared with the MMPI-2 and BDI-II: A Study of Validity and Reliability

John Paul Hissom

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Running head: MTI vs. MMPI-2 & BDI-II

The Mood Type Indicator as compared with the MMPI-2 and BDI-II
A Study of Validity and Reliability

Thesis submitted to
The Graduate College of
Marshall University

In partial fulfillment of the
requirements for the degree of
Master of Arts in Psychology

by
John Paul Hissom

Dr. Stephen L. O'Keefe, Ph.D., Committee Chairperson
Dr. Tony Goudy, Ph.D.

Marshall University
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Abstract

The Mood Type Indicator as compared with the MMPI-2 and BDI-II
A Study of the Validity and Reliability
By John Paul Hissom

The purpose of this study was to further assess the reliability and validity of the Mood Type Indicator, an instrument created by the author to aid in screening for, and the differential diagnosis of, mood disorders. For purposes of measuring reliability, an alternate form method was used; for concurrent validity, the MTI was measured against the Minnesota Multiphasic Personality Inventory-2, and the Beck's Depression Inventory-II. The results indicated that the MTI with, some additional work, may become a viable instrument. An empirical approach to developing screening instruments for mood disorders was demonstrated. This approach to diagnosis was shown to have utility.

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The Mood Type Indicator as compared with the MMPI-2 and BDI-II

The Mood Type Indicator (MTI) was designed to fill the need for an instrument that would help clinicians screen for mood disorders, and act as an aid in differential diagnosis by the content of its answers. When developed, the questions were based on the DSM-IV diagnostic criteria for major depressive episodes, manic episodes, and Dysthymic Disorder (Hissom, 1997).

Due to the lack of external validity found in the pilot study of the MTI because of norming issues, this thesis proposed to further study the validity and reliability of the MTI. The purpose of the thesis was to retest the reliability and validity on a larger sample size, and with an additional instrument, the MMPI-2. The study consisted of one hundred one adults, who were given the MTI forms A, and B, the BDI - II and, the MMPI - 2, in a four cell counterbalanced design to control instrument effects. One cell contained twenty-six subjects. The extra subject was retained since a minor deviation from the cell design was unlikely to skew the results.

Hypotheses

The MTI Forms A & B were expected evidence a clinically meaningful Pearson r Coefficient, as a measure of concurrent validity, when measured against the BDI-II, and the MMPI - 2 scale 2 (Depression), scale 9 (Mania), and the DEP content scale. Specifically, for both forms A and B, the following hypotheses were proposed. **1.** The MTI scale 1 will correlate at a .71 (50% of the variance) or higher with the BDI-II. **2.** The MTI scale 1 will correlate at a .71 (50% of the variance) or higher with the MMPI - 2 scale 2. **3.** The MTI scale 1 will have no significant correlation with the MMPI - 2 scale 8 (similar to the -.07 correlation found when the MMPI-2 2 and 8 scales were compared (Butcher, et al 1989)). **4.** MTI scale 3 will correlate at above .71 (50% of the variance) with the DEP content scale. **5.** MTI scale 3 will have no significant correlation with the MMPI - 2 scale 8 (similar to the -.07 correlation found when the MMPI-2 2 and 8 scales were compared (Butcher, et al 1989)). **6.** MTI scale 2 will correlate at or above a .71 (50% of the variance) with MMPI - 2 scale 8. **7.** MTI scale 2 will have a no significant correlation with the MMPI - 2 scale 8 (similar to the -.07 correlation found when the MMPI-2 2 and 8 scales were compared (Butcher, et al 1989)).

Method

Subjects

One hundred one subjects of adult legal status volunteered for this study and provided informed consent (Appendix D) to participate in the experiment. All subjects resided in the state of WV. There were to be four groups of 25 people each. One cell contained twenty-six subjects. The extra subject was retained since a minor deviation from the cell design was unlikely to skew the results. The four groups were given the MTI Forms A & B, the MMPI-2, and the BDI-II, in a four cell counterbalanced design as shown in Appendix A Table 2. In addition to the tests the subjects were asked to fill out a demographic sheet (Appendix C) requesting age, gender, and educational level. The results of the demographic survey were as follows:

Gender: 73 females 28 males

Age: 18 to 20(14); 21 to 25(15); 26 to 30(13); 31 to 35(8); 36 to 45(13);
46 to 55(18); 56 to 65(19); 66 to 75(1)

Marital Status: 8 no response; 23 single (never married); 3 engaged;
2 cohabitating; 52 married; 3 separated; 7 divorced; 1 remarried; 2 widowed.

Educational level: no response 8; 9th grade 1; 10th grade 1; 12th grade 2;
HS/GED 48; college 1 year 8; college 2 years 9; college 3 years 2;
college 4 years 4; BA 11; graduate student 4; MA 2.

Procedure

The tests were administered in groups and individually, by the author, in a manner consistent with the instructions given in the BDI-II manual, MMPI-2 manual, and the MTI manual. Subjects were directed to fill out the demographic survey. Following the instructions on each test, they were directed to complete each test in the order given. The scoring of each test was also done in a manner directed by each test manual.

The interpretation of each test was done by the author using the four diagnostic levels of each scale for the MTI (Hissom, 1997); the four levels of depression presented by the BDI-II (Beck, Steer, and Brown); and the elevation of MMPI-2 Scale 2 at ≥ 70 for major depression (Meyer & Deitsch, 1996) (Graham, 1993), Scale 2 at 65 to 69, and an elevated DEP content scale for Dysthymia (Meyer & Deitsch, 1996) (Graham, 1993), and an elevation of Scale 9 of 65 or above for mania (Meyer & Deitsch, 1996) (Graham, 1993).

Instruments

The Instruments used in this study were The BDI-II, the MMPI-2, and the MTI.

The MTI

The MTI, designed to be given in both group and individual settings (Hissom, 1997), consists of 27 questions out of which three scales are measured. Scale one, consisting of the first nine questions, is designed to determine if the client has had or is currently suffering from a major depressive episode. In addition, it also determines the severity of the episode. Scale two, consisting of questions 10-18, measures the occurrence of manic episodes. Scale three, consisting items 19 to 24, measures the occurrence of dysthymia. There are six additional questions, items 25-27, that are not scored as a part of any scale. They end the test on benign questions so as to decrease psychological discomfort from taking the test. The MTI has two forms Form A and Form B which are composed of similar items designed to measure for the same diagnostic criteria (Hissom, 1997).

The 18 subjects of the normative group were all adults. The subjects volunteered to participate. The small sample size limited the pilot study's external validity as did its lack of normative data and the restrictive geographic region from which the sample was derived (Hissom, 1997).

The measure of reliability consisted of an alternate form correlation coefficient, using the Pearson Product Moment Formula. Correlations were made for Form A vs. Form B of scale score, and the diagnostic level. There was also an in an item by item analysis done (Hissom, 1997).

The scales were broken down into 4 diagnostic categories; 1. being free of symptoms, 2. having normally elevated symptoms, 3. having mild to moderate abnormal symptoms, and 4. having moderate to severe abnormal symptoms. Correlation coefficients were then produced for the three scales by score, diagnostic level, and on an item by item basis. Scale 1, Major Depressive Episode, had an alternate form correlation coefficient of .9099 ($p < .0001$) for scale score. A correlation .8182 ($p < .0001$) was obtained for diagnostic level. Item correlations ranged from .9337 ($p < .0001$) for item # 9 to .3647 ($p < .137$) for item # 6. Scale 2, Manic Episode, had a correlation of .5032 ($p < .033$) for scale score and .4332 ($p < .073$) for diagnostic level. Item scores ranged from a high of 1.0000 ($p < .0001$) for item # 14 to a low of .3686 ($p < .132$) level for item # 18. Scale 3, Dysthymia, had correlations of .8663 ($p < .0001$) level for scale score, .5890 ($p < .010$), and a range of .8616 ($p < .0001$) for item 23 to .1542 ($p < .541$) for item 20 (Hissom, 1997).

During the current study alternate form reliability was again used. This time the subject sample size (101 subjects) was deemed large enough to determine reliability. MTI Forms A & B evidenced a significant Pearson r Coefficient as a measure of alternate form reliability, when measured against each other directly (Item by Item, and Scale Score), and indirectly (similar scores when the validity levels were measured). The Spearman rho calculated on the diagnostic levels for descriptive information.

The Item by Item study revealed a range of significant correlation using the Pearson Product Moment Formula from a high of .831 ($p < .01$) to a low of .292 ($p < .01$). The raw scale scores for MTI had a significant positive correlation when compared: Scale 1 (depressive episode) Pearson $r = .777$ ($p < .01$); Scale 2 (manic episode) Pearson $r = .664$ ($p < .01$); Scale 3 (Dysthymia) Pearson $r = .858$ ($p < .01$). The Diagnostic Levels also had a strong positive correlation when compared: Scale 1 (depressive episode)-Spearman $\rho = .858$ ($p < .01$); Scale 2 (manic episode) Spearman $\rho = .462$ ($p < .01$); Scale 3 (Dysthymia) Spearman $\rho = .743$ ($p < .01$). The MTI was found to have had a significant positive correlation $r = .943$ ($p < .01$) between the validity coefficients Form A & B.

The validity of the MTI has been based on construct, content, and criterion validity (concurrent type). The construct validity describes the instrument as being based on the diagnostic criteria as shown in the DSM-IV (Hissom, 1997). The content validity is shown in a table that compares the items in Form A and Form B, against the specific criteria they are supposed to be drawn from in the DSM-IV (see Tables 3-5 in Appendix A) (Hissom, 1997). The concurrent validity study was done by using the Pearson Product Moment Correlation to compare the MTI's diagnostic scales to the severity scales of the BDI - II. For purposes of the Spearman rho correlation, the scales for the MTI and BDI - II were assigned mathematical labels. MTI scores of 0-9 on scales 1, and 2, scores of 0-6 on scale 3, and scores of 0-13 on the BDI-II were labeled 1. Scores of 10-18 for scales 1, and 2, 7-12 for scale 3, and 14-19 on the BDI-II were labeled 2. Scores of 19-27 on scales 1 and 2, 13-18 on scale 3, and 20-28 on the BDI-II were labeled 3. Scores of 28-36 for scales 1, and 2, 19-24 for scale 3 and 29-63 for the BDI-II were labeled 4. Positive correlations were expected and found in the scale for major depressive episode, and dysthymia, while no significant correlation was expected for the scale measuring for mania. No significant correlation was expected for the BDI-II vs. the mania scale as they both measure for a mood disorder and some of the symptomology overlap, i.e. sleep disturbance, and distractibility of thought.

The following descriptive data was also derived from the current study:

MTI A scale 1 Mean 8.4752; Std. Error of Mean .5376; Median & Mode 7.0; SD 5.4030
 MTI B scale 1 Mean 8.9406; Std. Error of Mean .48664; Median & Mode 8.0; SD 4.8904

MTI A scale 2 Mean 9.0495; Std. Error of Mean .4136; Median 9.0; Mode 6.0; SD 4.1842
 MTI B scale 2 Mean 10.0198; Std. Error of Mean .4034; Median 10.0; Mode 11.0;
 SD 4.0546

MTI A scale 3 Mean 6.6436; Std. Error of Mean .4218; Median 6.0; Mode 4.0; SD 4.2393
 MTI B scale 3 Mean 6.9208; Std. Error of Mean .4649; Median & Mode 7.0; SD 4.6727

The MMPI-2

The MMPI-2 is the most widely used psychological instrument of its kind (Butcher, 1998). The test is comprised of 567 items the three validity scales and ten basic scales are calculated from the first 370 items the other supplementary, content and additional validity scales are calculated from the these items and other items in the test.

The MMPI-2 is scored by using either the scoring templates, computer or by a mail in service. The normative sample consisted of 2600 people, 1462 women, and 1138 men (Austin).

The MMPI-2 contains within it the original test items (Butcher, 1998). It also has a correlation with the original MMPI of .98 for raw score, which is no smaller than two administrations of the MMPI (Butcher & Graham, 1994). The importance of this correlation is that the studies done for the MMPI relate directly to the MMPI-2. The MMPI is most studied instrument of its type, with well over 5000 published research articles containing it, and many multicultural validity studies done on it (Butcher, 1998). In addition to the reliability and validity of MMPI-2 is the more specific issue of the DEP content scale which was found to be useful in differentially diagnosing major depression (Ben-Porath, Butcher, and Graham, 1991).

The MMPI - D scale, consisting of 60 items, is the primary method of measuring for depression. It was able to accurately identify depressed adolescents 71.2% of the time and non-depressed adolescents 75.0% of the time. The over all accuracy was 72.9% (Carter & Dacey, 1996). This accuracy, in addition to a modest correlation $r = .54$ ($p < .01$) with Beck's Depression Inventory (BDI), indicates its validity in measuring mood type disorders (Carter & Dacey 1996). The use of the MMPI-2 to diagnose Depression, Dysthymia, and Bipolar Disorder is important to the study, as the MTI attempts to differentially diagnose these same three mood disorders. Scale 2 depression, when elevated particularly over 70 indicates depressive symptoms (Meyer & Deitsch, 1996) (Graham, 1993) (Butcher, et al 1989).

Scale 2, Depression, at 65 to 69 and an elevated DEP content scale indicate dysthymic symptoms (Meyer & Deitsch, 1996) (Graham, 1993) (Butcher, et al 1989). Scale 9, Mania, of 65 or above for indicates a manic episode which is one of the primary requirements for Bipolar Disorder (Meyer & Deitsch, 1996) (Graham, 1993) (Butcher, et al 1989). Of note to this study is the use of undergraduate college students in many psychological experiments, and specifically in relation to validation studies with the MMPI-2, as over 25% of the subjects were in college, and almost 50% more were High School graduates eligible for college, (Baer et al, 1995) (Wetter et al, 1992) (Berry et al, 1992) (Parker, 1991). Finally the use of the MMPI-2 in a group setting is covered on page 15 of the MMPI-2's administration and scoring manual (Butcher, et al 1989).

The BDI-II

The BDI-II is a twenty-one item self-report screening instrument designed to measure the severity of depression in adolescents and adults (13 years old and older). The BDI-II was developed to bring Beck's screening instrument more into line with the current diagnostic criteria for diagnosing major depression found in the DSM-IV (Beck, Steer, and Brown). The BDI-II was chosen to be used as a criterion measure for the MTI for the following reasons. The MTI was also derived from the diagnostic criteria found in the DSM-IV, and scale 1 was specifically derived from the criteria for major depression suggesting it should have a high correlation with the BDI-II, and correlations similar to the BDI-II with regard to scales 2 and 3. The BDI-II, like the MMPI-2, is a well studied instrument with international validity studies. These include French speaking Canadians (Byrne, Baron and Campbell, 1992), English speaking Canadians (Byrne & Baron, 1990), a Swedish version (Byrne, and Baron, 1994), and a Chinese version (Shek, 1990). Though factor loading differs somewhat from study to study, the BDI has repeatedly been shown to reliably and validly differentiate depressed and non-depressed populations.

The BDI-II has been shown to be well correlated with the MMPI's D Scale and while somewhat lower in accuracy (BDI 62.1% vs. MMPI 71.2% for depressed, 73.1% vs. 75.0% for non-depressed, and 67.0% vs 72.9% total) its scores in that study were still quite valid and very close to the much longer MMPI (with differences ranging from only 1.9% to 9.1%). (Carter & Dacey, 1996) Finally, the BDI, and its successor the BDI-II have both been given in group settings as a part of standard procedure in experiments and in the validation studies of the BDI-II (Beck, Steer, and Brown, 1996), (Byrne, et al, 1994), (Byrne & Baron, 1990)

Results

Correlations were computed using the raw scores for the MTI and BDI-II with the T score for the MMPI-2. For hypothesis 1, the MTI scale 1 will correlate at a .71 (50% of the variance) or higher with the BDI-II. The positive correlations, while strong, were not strong enough to reach the criterion. For MTI A scale 1 vs. BDI-II the correlation was .705 ($p < .01$). For MTI B scale 1 vs. BDI-II the correlation was .697 ($p < .01$). The data did not provide support for the hypothesis.

For hypothesis 2, the MTI scale 1 will correlate at a .71 (50% of the variance) or higher with the MMPI - 2 scale 2, the positive correlations while strong, were not strong enough to reach the criterion. For MTI A scale 1 vs. MMPI-2 scale 2 the correlation was .463 ($p < .01$). For MTI B scale 1 vs. MMPI-2 scale 2 the correlation was .500 ($p < .01$). The data did not provide support for the hypothesis.

For hypothesis 3, the MTI scale 1 will have no significant correlation with the MMPI - 2 scale 8, the correlations were as predicted. For MTI A scale 1 vs. MMPI-2 scale 8 the correlation was .265 ($p < 0.01$). For MTI B scale 1 vs. MMPI-2 scale 8 the correlation was .194 ($p < 0.05$). The data provided support for the hypothesis.

For hypothesis 4, MTI scale 3 will correlate at or above .71 (50% of the variance) with the DEP content scale, the positive correlations while strong, were not strong enough to reach the criterion. For MTI A scale 3 vs. MMPI-2 DEP the correlation was .647 ($p < .01$). For MTI B scale 3 vs. MMPI-2 DEP the correlation was .648 ($p < .01$). The data did not provide support for the hypothesis.

For hypothesis 5, MTI scale 3 will have no significant correlation with MMPI - 2 scale 8, the correlations were as predicted. For MTI A scale 3 vs. MMPI-2 scale 8 the correlation was .160 ($p < .05$). For MTI B scale 3 vs. MMPI-2 scale 8 the correlation was .112 ($p < .134$). The data provided support for the hypothesis.

For hypothesis 6, MTI scale 2 will correlate at or above a .71 (50% of the variance) with MMPI - 2 scale 8, the positive correlations while strong, were not strong enough to reach the criterion. For MTI A scale 2 vs. MMPI-2 scale 8 the correlation was .293 ($p < 0.01$). For MTI B scale 2 vs. MMPI-2 scale 8 the correlation was .464 ($p < .01$). The data did not provide support for the hypothesis.

For hypothesis 7, MTI scale 2 will have no significant correlation with the MMPI - 2 scale 2, the correlations were as predicted. For MTI A scale 2 vs. MMPI-2 scale 2 the correlation was .028 ($p < .392$). For MTI B scale 2 vs. MMPI-2 scale 2 the correlation was .073 ($p < .236$). The data provided support for the hypothesis.

Discussion

Four hypotheses, one, two, four, and six, were not supported by the data. Several variables may have contributed to this. For hypothesis 1, the BDI-II vs. the MTI depression scale, the first possible confounding variable was the scale format. The BDI-II was scored on a four point Likert scale, while the MTI was scored on a five point Likert scale. The second possibility was low instrument reliability. The alternate form reliability correlational coefficient for the MTI A & B scales was $r = .777$ ($p < .01$). A more reliable instrument could have resulted in a higher validity coefficient. When the correlation coefficient of $.705$ ($p < .01$) of the BDI-II vs. form A and correlational coefficient of $.697$ ($p < .01$) of the BDI-II vs. form B are taken in this context, it is possible the construction of the MTI's test items are at fault. That possibility suggests that in order for the MTI to become a viable instrument, a closer look at the construction of its items may be needed.

For hypothesis 2, the MTI A & B depression scales vs. the MMPI-2 Scale 2 (Depression), the first possible confounding variable that may have affected the outcome was the use of the T-score for the MMPI-2 against the raw score of the MTI forms when correlating the data (Butcher, et al 1989). The second possible confounding variable is the use of different criteria to diagnose depression. The MMPI-2 is based not on the DSM-IV, but on the MMPI, and its factorial loading design (Butcher, et al 1989). The third possible confounding variable is as is noted in the discussion of hypothesis 1 the construction of the MTI's test Items could again be at fault. In order to weed out the variables for further study the Pearson r Correlation coefficient was calculated for the MMPI-2 vs. the MTI A & B using the raw scores for the MMPI-2. The correlation coefficient was lower for the raw score than for the T-score, raw score $r = .348$ ($p < .01$) vs. T-score $r = .463$ ($p < .01$), for MTI A, and raw score $r = .389$ ($p < .01$) vs. T-score $r = .500$ ($p < .01$) for MTI B). This lower correlation indicates that if anything the T-score conversion increased the correlation. This indicates one of the remaining variables previously mentioned, or an additional variable of fatigue due to the long testing process may have affected the correlation.

For hypothesis 4, the MTI's Dysthymic scale vs. the DEP content scale the first possible variable again included the use of the T-score for the MMPI-2 against the raw score of the MTI when correlating the data (Butcher, et al 1989). The second possible confounding variable could be the different criteria used to diagnose depression. The third possible confounding variable could be the construction of the MTI's test items. Finally the fourth possible confounding variable could be fatigue. Again the raw scores were run to remove the T-score variable, again the T-score was not found to be a significant variable, raw score $r = .419$ ($p < .01$) vs. T-score $r = .647$ ($p < .01$) for MTI A, and raw score $r = .497$ ($p < .01$) vs. T-score $r = .648$ ($p < .01$) for MTI B). Again the three possible variables remain, difference in diagnostic criteria, the construction of the MTI, and fatigue.

For hypothesis 6, the MTI Mania scale vs. the MMPI-2 Mania scale in addition to the four previous confounding variables, T-score, difference in diagnostic criteria, the construction of the MTI, and fatigue, a new variable came into play. The MMPI-2 8 scale also has as its scoring component, a 0.2 value of K, a measure of test taking defensiveness. In order to remove the addition of K, correlations were calculated for the comparison of the Mania scales with the K component removed. These results again show that the T-score, and indeed the addition of K to the Mania scale have the effect of only raising the correlation; T-score MTIA vs. MMPI-2 $r = .293$ ($p < .01$), T - score MTI B vs. MMPI $r = .464$ ($p < .01$); raw score MTIA vs. MMPI-2 $r = .231$ ($p < .011$), raw score MTIB vs. MMPI-2 $r = .340$ ($p < .000$), raw w/o K MTIA vs. MMPI-2 $r = .251$ ($p < .006$), raw w/o K MTIB vs. MMPI-2 $r = .376$ ($p < .000$). With the removal of the scoring variables again we are left with the following variables, difference in diagnostic criteria, the construction of the MTI, and fatigue.

The study produced three hypotheses that were supported by the data, three, five, and seven. The difference these three have from the other four is that the hypotheses were predicted to find no significant correlation either positive or negative; this is a much broader expectation than finding 50% of the variance. For hypothesis three, the MTI Depression scale vs. the MMPI-2 Mania scale, found a weak positive correlation. About 7% of the variance for form A, and 3% of the variance for form B was accounted for. This was expected due the -0.07 correlation found when the MMPI-2 2 and 8 scales were compared (Butcher, et al 1989). This result supports the idea that the items for the depression scale are not measuring for mania, but they are also not measuring for something the opposite of mania, a position supported by the data of the MMPI-2. (Butcher, et al 1989)

For hypothesis five, the MTI scale for Dysthymia vs. the MMPI-2 scale for mania, the expected results were supported by the data. There were as predicted very low positive correlations. This supports the idea the Dysthymic scale is also not measuring for mania or for something the opposite of mania; again a position supported by the data of the MMPI-2. (Butcher, et al 1989)

For hypothesis seven, the MTI scale for mania vs. the MMPI-2 scale for depression, the results as expected (Butcher, et al 1989) showed a very low correlation; .0784 % of the variance for form A, and 5.5% of the variance for form B. This result supports the idea that the items for the mania scale are not measuring for depression, but they are also not measuring for something the opposite of depression, a position supported by the data of the MMPI-2. (Butcher, et al 1989)

The supported hypotheses show more about what the tests are not than what they are. In order to give some basis by which to compare the MTI's validity correlations the additional correlations were also run for this study. These correlations offer some additional observations, even when the results did not support the hypothesis.

MTI vs. MMPI-2 & BDI-II

There was a similar correlation for the MTI 1 scale (Depression) and the BDI-II when they are compared to the MMPI-2 2 scale. The coefficient for BDI-II vs. MMPI-2 scale 2 T score was $r = .504$ ($p < .01$), while the coefficient of MTIA vs. MMPI-2 scale 2 T score was $r = .463$ ($p < .01$) a difference of only .0016% of the variance, and the coefficient for MTIB vs. MMPI-2 scale 2 T score was $r = .500$ ($p < .01$) a difference of only .168% of the variance.

The Pearson r was higher between the MTI A&B scale 1 and the BDI -II than between the BDI-II and the MMPI-2. The coefficient for BDI-II vs. MMPI-2 scale 2 T score was $r = .504$ ($p < .01$), while the coefficient for MTIA vs. BDI-II score was $r = .705$ ($p < 0.01$) a difference of .4% of the variance, and the coefficient for MTIB vs. BDI-II score was $r = .697$ ($p < .01$) a difference of 3.88 % of the variance.

There was a similar Pearson r for the MTI 3 scale (for Dysthymia), and the BDI-II when they are compared to the MMPI-2 DEP scale. The coefficient for BDI-II vs. MMPI-2 DEP scale was $r = .660$ ($p < .01$), while the coefficient for MTIA vs. MMPI-2 DEP scale T score was $r = .647$ ($p < .01$) a difference of only .00169% of the variance, and the coefficient for MTIB vs. MMPI-2 DEP scale T score was $r = .648$ ($p < .01$) a difference of only 0.0144% of the variance.

Pearson r scores from the depressive scales, MTI A & B 1, MMPI-2 scale 2, BDI II, vs. The MMPI-2 scale 8 were all similar in that none of them rose above 7% of the variance. The coefficient for MMPI-2 scale 2 vs. scale 8 was $r = -.023$ ($p < .409$), for BDI-II vs. MMPI-2 scale 8 was $r = .279$ ($p < .01$) for MTIA scale 1 vs. MMPI-2 scale 8 was $r = .265$ ($p < .01$), and for MTIB scale 1 vs. MMPI-2 scale 8 was $r = .194$ ($p < .05$).

The MMPI-2 scale 2 (Depression) vs. the MTI A & B 2 scales (manic episode) were similar to the MMPI- 2 scale vs. the MMPI-8 scale (Mania) in that none of them are more than .05% of the variance. The coefficient of MMPI-2 scale 2 vs. scale 8 was $r = -.023$ ($p < .409$), for MTIA scale 2 vs. MMPI-2 scale 2 was $r = .028$ ($p < .392$), and for MTIB scale 2 vs. MMPI-2 scale 2 was $r = .073$ ($p < .236$).

Looking at the results of the study indicate that creating an instrument directly based on the DSM-IV, while a worthy endeavor and an ongoing practice, has in this case shown the MTI to still be a work in progress. It may be that with some additional work on some of the questions, and a possible blending of the two forms into a larger, more valid instrument the MTI may become a viable screening tool.

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Appendix A Tables

Table 1: PILOT STUDY Validity Correlations

Pearson Product Moment Correlation Coefficient		
Scale	Sig. Level	r
Major Depressive Episode A to BDI - II	(P = 0.0001)	0.8367
Major Depressive Episode B to BDI - II	(P = 0.0001)	0.7765
Manic Episode A to BDI - II	(P = 0.250)	-0.2858
Manic Episode B to BDI - II	(P = 0.880)	0.0383
Dysthymic Scale A to BDI - II	(P = 0.003)	0.6518
Dysthymic Scale B to BDI - II	(P = 0.025)	0.5264
Major Depressive Episode A to Dysthymic Scale A	(P = 0.002)	0.6774
Major Depressive Episode A to Dysthymic Scale B	(P = 0.001)	0.7319
Major Depressive Episode B to Dysthymic Scale B	(P = 0.007)	0.6083
Major Depressive Episode B to Dysthymic Scale A	(P = 0.023)	0.5326
Manic Episode A to Major Depressive Episode A	(P = 1.000)	0.0000
Manic Episode A to Major Depressive Episode B	(P = 0.603)	0.2104
Manic Episode B to Major Depressive Episode A	(P = 0.769)	0.0746
Manic Episode B to Major Depressive Episode B	(P = 0.667)	0.1089
Manic Episode A to Dysthymia Scale A	(P = 0.402)	0.2104
Manic Episode A to Dysthymia Scale B	(P = 0.188)	0.3250
Manic Episode B to Dysthymia Scale A	(P = 0.833)	-0.0536
Manic Episode B to Dysthymia Scale B	(P = 0.073)	0.4332

Table 2: Cell Design

CELL	TEST 1	TEST 2	TEST 3	TEST 4
Cell 1	MTI A	MTI B	BDI-II	MMPI-2
Cell 2	MTI B	BDI-II	MMPI-2	MTI A
Cell 3	BDI-II	MMPI-2	MTI A	MTI B
Cell 4	MMPI-2	MTI A	MTI B	BDI-II

TABLE 3: CONTENT DESCRIPTION OF THE MTI SCALE 1 MAJOR DEPRESSIVE EPISODE: an item by item comparison with the DSM-IV Diagnostic Criteria.

Scale 1: Major Depressive Episode		
Form A Items 1 - 9	Form B Items 1 - 9	DSM-IV Diagnostic Criteria
1. In the past two weeks I have felt unusually sad.	1. My mood has been unusually sad over a period of two weeks.	1. Depressed mood most of the day, nearly every day, as indicated by either subjective report (e.g., feels sad or empty) or observation made by others (e.g. appears tearful). Note: In children and adolescents, can be irritable mood.
2. During the past two weeks I have thought about suicide.	2. Over a period of two weeks I have had suicidal thoughts.	9. recurrent thoughts of death (not just fear of dying), recurrent suicidal ideation without a specific plan, or a suicide attempt or a specific plan for committing suicide
3. I blame myself for everything bad that happens.	3. I feel guilty if something bad occurs.	7. feelings of worthlessness or excessive or inappropriate guilt (which may be delusional) nearly every day (not merely self-reproach or guilt about being sick)
4. In the past two weeks the amount of sleep, I get is.	4. I sleep	4. insomnia or hypersomnia nearly every day
5. In the past two weeks I or my friends and family have noted that my activity level,	5. My activities according to my family and friends have	5. psychomotor agitation or retardation nearly every day (observable by others, not merely subjective feelings of restlessness or being slowed down)
6. In the past two weeks the amount I find that I get tired,	6. I am bothered by fatigue	6. fatigue or loss of energy nearly every day
7. During the past two weeks I have experienced difficulty concentrating and making decisions.	7. Making decisions and concentrating has been difficult for me at times (over a period of two weeks)	8. diminished ability to think or concentrate, or indecisiveness, nearly every day (either by subjective account or as observed by others)
8. My daily activities are pleasurable and interesting	8. I find life to be interesting and pleasurable	2. markedly diminished interest or pleasure in all, or almost all, activities most of the day, nearly every day (as indicated by either subjective account or observation made by others)
9. In the past two weeks my weight has	9. My weight during the last two weeks has	3. significant weight loss when not dieting or weight gain (e.g., a change of more than 5% of body weight in a month), or decrease or increase in appetite nearly every day. Note: In children, consider failure to make expected weight gains.

(DSM- IV, 1994, p. 327)

TABLE 4: CONTENT DESCRIPTION OF THE MTI SCALE 2 MANIC EPISODE: an item by item comparison with the DSM-IV Diagnostic Criteria.

Scale 2: Manic Episode		
Form A Items 10 - 18	Form B Items 10 - 18	DSM-IV Diagnostic Criteria
10. I have been unusually excited or irritable for a week.	10. I have been excited or irritable more than usual for a week.	A. A distinct period of abnormally and persistently elevated, expansive, or irritable mood, lasting at least 1 week (or any duration if hospitalization is necessary).
11. I or my family and friends have noticed that the amount I talk	11. I find myself talking more lately	3. more talkative than usual or pressure to keep talking
12. My thoughts are so fast that I have trouble keeping up with them	12. I find my thoughts racing faster than I like	4.flight of ideas or subjective experience that thoughts are racing
13. I have for a week, felt like I could do anything, solve any problem.	13. I have for a week felt like I am exploding with creativity	1. inflated self-esteem or grandiosity
14. I need as much sleep as usual	14. I don=t need as much sleep as usual	2.decreased need for sleep (e.g., feels rested after only 3 hours of sleep)
15. I find it hard not to be distracted by other things around me even when I m trying to concentrate	15.Even when attempting to concentrate I find that I am easily distracted	5.distractibility (i.e., attention too easily drawn to unimportant or irrelevant external stimuli)
16. I find that I am getting a lot more done lately	16. I find that I am getting a lot more done lately	6.increase in goal-directed activity (either socially, at work or school, or sexually) or psychomotor agitation
17. I have been having fun much more than ever before	17. I am enjoying life more than ever before	7.excessive involvement in pleasurable activities that have a high potential for painful consequences (e.g., engaging in unrestrained buying sprees, sexual indiscretions, or foolish business investments)
18. I have been taking more risks lately	18. Taking risks doesn't bother me as mush as it used to	

(DSM- IV, 1994, p. 332)

TABLE 5: CONTENT DESCRIPTION OF THE MTI SCALE 3 DYSTHYMIA: an item by item comparison with the DSM-IV Diagnostic Criteria.

Scale 3: Dysthymia		
Form A Items 19 - 24	Form B 19 - 24	DSM-IV Diagnostic Criteria
19. For the past few years I have felt sad, or gloomy on a daily basis for most of the day	19. Being sad, or depressed has been my daily mood for the past few years	A. depressed mood for most of the days, for more days than not, as indicated by subjective account or observation by others, for at least 2 years. (In children and adolescents, mood can be irritable and duration must be at least 1 year.)
20. I the amount I eat is	20. My appetite	1. poor appetite or overeating
21. I sleep.	21. I get enough sleep	2. insomnia or hypersomnia
22. The statement I am a capable person is how I would describe myself	22. I feel like a failure	4. low self-esteem
23. I have trouble concentrating	23. I have difficulty concentrating	5. poor concentration or difficulty making decisions
24. I expect a hopeful future	24. I have hope for my future plans	6. feelings of hopelessness

(DSM- IV, 1994, p. 349)

Appendix B Raw Data

Subject # A1	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
Age: 56-65	01. c	01. c	01. 0	L: 4
Widowed	02. a	02. a	02. 1	F: 3
Female	03. c	03. c	03. 2	K: 10
HS diploma	04. a	04. b	04. 0	1: 10
	05. a	05. a	05. 1	2: 29
	06. a	06. b	06. 0	3: 21
	07. c	07. c	07. 0	4: 18
	08. b	08. b	08. 0	5: 30
	09. a	09. b	09. 0	6: 11
	10. a	10. a	10. 3	7: 28
	11. b	11. b	11. 0	8: 22
	12. d	12. d	12. 0	9: 14
	13. a	13. a	13. 0	0: 47
	14. a	14. a	14. 2	DEP: 7
	15. e	15. e	15. 1	
	16. a	16. a	16. 3b	
	17. a	17. a	17. 0	
	18. a	18. b	18. 0	
	19. a	19. a	19. 2	
	20. a	20. b	20. 1	
	21. b	21. a	21. 1	
	22. a	22. c		
	23. d	23. d		
	24. b	24. b		

Subject # A2	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
Age: 21-25	01. a	01. a	01. 0	L: 2
Married	02. a	02. a	02. 0	F: 2
Female	03. a	03. d	03. 0	K: 20
College 4 years	04. b	04. c	04. 0	1: 4
	05. a	05. a	05. 0	2: 21
	06. b	06. b	06. 0	3: 15
	07. b	07. b	07. 0	4: 14
	08. b	08. b	08. 0	5: 31
	09. b	09. b	09. 0	6: 8
	10. b	10. c	10. 0	7: 10
	11. a	11. b	11. 0	8: 7
	12. c	12. c	12. 0	9: 15
	13. b	13. b	13. 0	0: 23
	14. a	14. a	14. 0	DEP: 2
	15. b	15. c	15. 0	
	16. a	16. b	16. 0	
	17. a	17. b	17. 0	
	18. b	18. b	18. 0	
	19. a	19. a	19. 0	
	20. b	20. c	20. 0	
	21. c	21. b	21. 1	
	22. b	22. c		
	23. c	23. c		
	24. b	24. b		

Subject # A3 Age: 46-55 Married Female HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. b	01. b	01. 0	L: 6
	02. a	02. a	02. 0	F: 3
	03. c	03. c	03. 1	K: 14
	04. a	04. b	04. 0	1: 17
	05. a	05. a	05. 1	2: 31
	06. b	06. b	06. 1	3: 31
	07. c	07. d	07. 2	4: 19
	08. c	08. b	08. 0	5: 31
	09. b	09. c	09. 0	6: 8
	10. c	10. c	10. 0	7: 23
	11. a	11. a	11. 0	8: 17
	12. c	12. c	12. 0	9: 16
	13. c	13. c	13. 0	0: 35
	14. a	14. a	14. 0	DEP: 12
	15. c	15. d	15. 0	
	16. c	16. b	16. 0	
	17. b	17. b	17. 0	
	18. b	18. a	18. 1a	
	19. c	19. a	19. 2	
	20. c	20. b	20. 0	
	21. b	21. c	21. 2	
	22. b	22. c		
	23. c	23. d		
	24. a	24. b		

Subject # A4 Age: 36-45 Married Female HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. a	01. a	01. 0	L: 9
	02. a	02. a	02. 0	F: 0
	03. a	03. a	03. 0	K: 17
	04. a	04. a	04. 1	1: 3
	05. a	05. a	05. 0	2: 21
	06. a	06. a	06. 0	3: 17
	07. a	07. a	07. 0	4: 12
	08. a	08. b	08. 0	5: 29
	09. a	09. a	09. 0	6: 6
	10. a	10. a	10. 0	7: 7
	11. a	11. a	11. 0	8: 6
	12. a	12. a	12. 1	9: 14
	13. d	13. b	13. 0	0: 35
	14. a	14. a	14. 0	DEP: 5
	15. c	15. c	15. 1	
	16. b	16. a	16. 1b	
	17. c	17. d	17. 1	
	18. c	18. b	18. 0	
	19. a	19. a	19. 0	
	20. a	20. a	20. 0	
	21. a	21. a	21. 0	
	22. b	22. a		
	23. b	23. c		
	24. b	24. b		

Subject # A5 Age: 56-65 Married Female College 2 years	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. b	01. b	01. 0	L: 6
	02. a	02. a	02. 0	F: 5
	03. a	03. c	03. 2	K: 17
	04. b	04. a	04. 0	1: 6
	05. b	05. b	05. 1	2: 20
	06. b	06. b	06. 0	3: 27
	07. c	07. c	07. 0	4: 20
	08. b	08. b	08. 0	5: 34
	09. a	09. a	09. 0	6: 11
	10. b	10. c	10. 0	7: 22
	11. a	11. b	11. 0	8: 23
	12. c	12. c	12. 0	9: 12
	13. c	13. c	13. 0	0: 39
	14. a	14. a	14. 0	DEP: 8
	15. d	15. d	15. 0	
	16. c	16. c	16. 0	
	17. a	17. b	17. 0	
	18. c	18. c	18. 0	
	19. c	19. b	19. 1	
	20. b	20. a	20. 0	
	21. b	21. a	21. 0	
	22. b	22. c		
	23. c	23. c		
	24. a	24. b		

Subject # A6 Age: 56-65 Married Female BA/BS degree	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. c	01. a	01. 0	L: 7
	02. a	02. a	02. 0	F: 6
	03. b	03. b	03. 0	K: 22
	04. b	04. b	04. 0	1: 7
	05. a	05. c	05. 0	2: 23
	06. b	06. b	06. 0	3: 27
	07. a	07. a	07. 0	4: 12
	08. b	08. a	08. 0	5: 35
	09. a	09. a	09. 0	6: 7
	10. a	10. a	10. 0	7: 8
	11. a	11. a	11. 0	8: 5
	12. a	12. a	12. 0	9: 10
	13. b	13. a	13. 0	0: 34
	14. a	14. a	14. 0	DEP: 4
	15. c	15. c	15. 1	
	16. c	16. a	16. 1a	
	17. a	17. a	17. 0	
	18. a	18. b	18. 0	
	19. a	19. a	19. 1	
	20. b	20. a	20. 1	
	21. b	21. a	21. 1	
	22. a	22. a		
	23. c	23. c		
	24. b	24. b		

Subject # A7 Age: 26-30 Married Female HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. d	01. d	01. 2	L: 4
	02. a	02. a	02. 1	F: 20
	03. d	03. e	03. 2	K: 5
	04. e	04. b	04. 1	1: 26
	05. e	05. d	05. 2	2: 38
	06. e	06. c	06. 3	3: 33
	07. d	07. e	07. 2	4: 30
	08. d	08. c	08. 3	5: 39
	09. c	09. b	09. 1	6: 21
	10. b	10. b	10. 3	7: 41
	11. a	11. a	11. 0	8: 53
	12. d	12. d	12. 3	9: 24
	13. b	13. a	13. 1	0: 58
	14. a	14. a	14. 2	DEP: 26
	15. e	15. e	15. 2	
	16. a	16. e	16. 3a	
	17. a	17. a	17. 3	
	18. b	18. a	18. 2a	
	19. d	19. e	19. 2	
	20. b	20. c	20. 3	
	21. c	21. b	21. 0	
	22. c	22. e		
	23. e	23. e		
	24. b	24. c		

Subject # A8 Age: 56-65 Married Male College 4 years	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. a	01. a	01. 0	L: 8
	02. a	02. a	02. 0	F: 1
	03. c	03. a	03. 0	K: 19
	04. a	04. a	04. 0	1: 5
	05. a	05. a	05. 0	2: 20
	06. b	06. a	06. 0	3: 25
	07. b	07. b	07. 0	4: 12
	08. a	08. a	08. 0	5: 24
	09. a	09. a	09. 0	6: 10
	10. c	10. c	10. 0	7: 10
	11. a	11. a	11. 1	8: 11
	12. a	12. b	12. 0	9: 19
	13. a	13. a	13. 1	0: 20
	14. a	14. c	14. 0	DEP: 5
	15. c	15. b	15. 1	
	16. c	16. a	16. 0	
	17. a	17. a	17. 0	
	18. b	18. a	18. 0	
	19. a	19. a	19. 1	
	20. a	20. a	20. 1	
	21. a	21. a	21. 1	
	22. a	22. b		
	23. c	23. b		
	24. a	24. a		

Subject # A9 Age: 36-45 Married Female College 4 years	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. c	01. c	01. 0	L: 4
	02. a	02. a	02. 0	F: 2
	03. c	03. c	03. 1	K: 13
	04. d	04. c	04. 0	1: 11
	05. a	05. b	05. 1	2: 26
	06. a	06. a	06. 1	3: 22
	07. c	07. c	07. 0	4: 14
	08. b	08. b	08. 1	5: 29
	09. a	09. a	09. 0	6: 10
	10. b	10. b	10. 0	7: 16
	11. b	11. b	11. 1	8: 11
	12. b	12. b	12. 1	9: 16
	13. b	13. b	13. 0	0: 31
	14. a	14. a	14. 1	DEP: 7
	15. c	15. c	15. 0	
	16. e	16. e	16. 1b	
	17. a	17. a	17. 1	
	18. c	18. c	18. 1b	
	19. c	19. c	19. 1	
	20. b	20. d	20. 0	
	21. d	21. b	21. 1	
	22. b	22. c		
	23. c	23. c		
	24. a	24. a		

Subject # A10 Age: 56-65 Married Male College 2 years	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. a	01. a	01. 0	L: 12
	02. a	02. a	02. 0	F: 2
	03. b	03. a	03. 0	K: 24
	04. b	04. a	04. 0	1: 2
	05. a	05. b	05. 0	2: 17
	06. a	06. b	06. 0	3: 24
	07. a	07. b	07. 0	4: 16
	08. b	08. a	08. 1	5: 24
	09. b	09. b	09. 0	6: 9
	10. c	10. a	10. 0	7: 3
	11. c	11. b	11. 0	8: 4
	12. b	12. b	12. 0	9: 16
	13. b	13. b	13. 0	0: 22
	14. a	14. a	14. 0	DEP: 0
	15. c	15. b	15. 0	
	16. b	16. a	16. 0	
	17. b	17. b	17. 0	
	18. c	18. c	18. 0	
	19. a	19. a	19. 0	
	20. a	20. a	20. 0	
	21. a	21. a	21. 0	
	22. b	22. a		
	23. b	23. b		
	24. a	24. a		

Subject # A11 Age: 21-25 Married Female College 2 years	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. c	01. b	01. 0	L: 3
	02. a	02. a	02. 1	F: 8
	03. b	03. c	03. 0	K: 11
	04. c	04. b	04. 1	1: 8
	05. b	05. b	05. 0	2: 28
	06. c	06. b	06. 0	3: 15
	07. c	07. c	07. 1	4: 21
	08. c	08. b	08. 1	5: 36
	09. c	09. b	09. 0	6: 8
	10. c	10. c	10. 1	7: 25
	11. a	11. a	11. 1	8: 16
	12. b	12. a	12. 0	9: 11
	13. b	13. b	13. 1	0: 40
	14. a	14. a	14. 0	DEP: 9
	15. d	15. d	15. 1	
	16. a	16. b	16. 1b	
	17. a	17. a	17. 1	
	18. b	18. c	18. 1b	
	19. b	19. a	19. 1	
	20. d	20. c	20. 1	
	21. b	21. b	21. 0	
	22. b	22. b		
	23. d	23. c		
	24. b	24. b		

Subject # A12	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
Age:21-25	01. a	01. a	01. 0	L: 6
Married	02. a	02. a	02. 0	F: 0
Male	03. c	03. c	03. 0	K: 25
College 1 years	04. a	04. a	04. 0	1: 3
	05. a	05. a	05. 0	2: 22
	06. b	06. b	06. 0	3: 24
	07. b	07. b	07. 0	4: 18
	08. b	08. b	08. 0	5: 26
	09. a	09. a	09. 0	6: 7
	10. a	10. a	10. 0	7: 4
	11. b	11. b	11. 0	8: 2
	12. a	12. b	12. 0	9: 14
	13. c	13. c	13. 0	0: 22
	14. a	14. a	14. 0	DEP: 1
	15. a	15. a	15. 0	
	16. c	16. c	16. 0	
	17. b	17. b	17. 0	
	18. b	18. b	18. 0	
	19. b	19. b	19. 0	
	20. b	20. b	20. 0	
	21. c	21. c	21. 0	
	22. b	22. b		
	23. c	23. c		
	24. a	24. a		

Subject # A13	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
Age: 46-55	01. 1	01. 1	01. 0	L: 8
Married	02. 0	02. 0	02. 1	F: 5
Male	03. 1	03. 1	03. 1	K: 19
HS diploma	04. 0	04. 0	04. 0	1: 15
	05. 2	05. 3	05. 1	2: 28
	06. 0	06. 2	06. 0	3: 33
	07. 1	07. 0	07. 2	4: 17
	08. 1	08. 1	08. 0	5: 26
	09. 1	09. 1	09. 0	6: 9
	10. 1	10. 1	10. 0	7: 12
	11. 0	11. 0	11. 0	8: 8
	12. 2	12. 1	12. 0	9: 13
	13. 2	13. 2	13. 0	0: 29
	14. 0	14. 0	14. 0	DEP: 4
	15. 2	15. 1	15. 1	
	16. 1	16. 0	16. 1a	
	17. 0	17. 0	17. 0	
	18. 2	18. 0	18. 1a	
	19. 1	19. 2	19. 0	
	20. 2	20. 0	20. 2	
	21. 2	21. 1	21. 0	
	22. 1	22. 1		
	23. 1	23. 1		
	24. 2	24. 0		

Subject # A14 Age: 36-45 Married Female HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. c	01. c	01. 1	L: 7
	02. b	02. b	02. 1	F: 4
	03. c	03. c	03. 0	K: 18
	04. b	04. b	04. 0	1: 9
	05. d	05. d	05. 1	2: 24
	06. b	06. b	06. 0	3: 28
	07. c	07. c	07. 2	4: 18
	08. b	08. b	08. 0	5: 39
	09. b	09. c	09. 0	6: 13
	10. a	10. b	10. 1	7: 20
	11. a	11. a	11. 1	8: 9
	12. d	12. c	12. 0	9: 15
	13. b	13. c	13. 0	0: 34
	14. a	14. a	14. 0	DEP: 8
	15. c	15. c	15. 1	
	16. d	16. b	16. 0	
	17. a	17. b	17. 0	
	18. b	18. a	18. 1a	
	19. b	19. a	19. 0	
	20. c	20. b	20. 0	
	21. b	21. b	21. 0	
	22. b	22. c		
	23. c	23. c		
	24. b	24. b		

Subject # A15 Age: 26-30 Separated Male HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. b	01. a	01. 0	L: 7
	02. a	02. a	02. 0	F: 5
	03. b	03. a	03. 2	K: 10
	04. a	04. a	04. 0	1: 8
	05. b	05. b	05. 1	2: 20
	06. a	06. a	06. 2	3: 24
	07. a	07. b	07. 0	4: 15
	08. b	08. a	08. 0	5: 26
	09. a	09. a	09. 0	6: 8
	10. b	10. b	10. 0	7: 8
	11. a	11. a	11. 0	8: 11
	12. c	12. b	12. 0	9: 23
	13. c	13. c	13. 0	0: 23
	14. d	14. d	14. 0	DEP: 3
	15. d	15. a	15. 1	
	16. b	16. c	16. 2b	
	17. d	17. c	17. 0	
	18. a	18. c	18. 1a	
	19. b	19. c	19. 0	
	20. a	20. a	20. 0	
	21. a	21. a	21. 0	
	22. a	22. d		
	23. b	23. a		
	24. a	24. b		

Subject # A16 Age: 36-45 Married Male Grad. Student	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. a	01. b	01. 0	L: 10
	02. a	02. a	02. 0	F: 3
	03. b	03. c	03. 1	K: 19
	04. c	04. b	04. 0	1: 9
	05. b	05. a	05. 1	2: 23
	06. c	06. a	06. 0	3: 26
	07. a	07. a	07. 2	4: 21
	08. b	08. a	08. 0	5: 30
	09. b	09. b	09. 0	6: 17
	10. a	10. a	10. 0	7: 12
	11. a	11. a	11. 0	8: 14
	12. b	12. b	12. 0	9: 21
	13. a	13. c	13. 0	0: 22
	14. a	14. a	14. 0	DEP: 8
	15. c	15. b	15. 0	
	16. d	16. c	16. 1b	
	17. b	17. d	17. 1	
	18. b	18. c	18. 1b	
	19. a	19. a	19. 0	
	20. b	20. b	20. 0	
	21. b	21. a	21. 0	
	22. b	22. a		
	23. b	23. b		
	24. a	24. a		

Subject # A17 Age:26-30 Married Female College 2 years	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. c	01. c	01. 0	L: 3
	02. a	02. a	02. 0	F: 6
	03. b	03. c	03. 0	K: 7
	04. c	04. c	04. 0	1: 10
	05. b	05. a	05. 0	2: 20
	06. c	06. c	06. 0	3: 22
	07. b	07. d	07. 1	4: 11
	08. d	08. b	08. 0	5: 33
	09. a	09. a	09. 0	6: 9
	10. b	10. c	10. 0	7: 26
	11. a	11. a	11. 0	8: 23
	12. b	12. b	12. 0	9: 12
	13. c	13. a	13. 0	0: 53
	14. a	14. a	14. 0	DEP: 9
	15. e	15. d	15. 1	
	16. a	16. b	16. 1b	
	17. a	17. a	17. 0	
	18. b	18. a	18. 1b	
	19. c	19. c	19. 0	
	20. c	20. c	20. 1	
	21. c	21. c	21. 1	
	22. c	22. c		
	23. d	23. e		
	24. c	24. b		

Subject # A18 Age:26-30 Married Male College 2 years	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. c	01. c	01. 1	L: 3
	02. a	02. a	02. 1	F: 13
	03. d	03. d	03. 1	K: 4
	04. b	04. b	04. 1	1: 12
	05. a	05. a	05. 1	2: 29
	06. c	06. b	06. 1	3: 25
	07. c	07. c	07. 1	4: 25
	08. b	08. d	08. 1	5: 27
	09. b	09. a	09. 0	6: 16
	10. c	10. b	10. 1	7: 28
	11. a	11. b	11. 1	8: 34
	12. d	12. d	12. 1	9: 24
	13. d	13. c	13. 1	0: 43
	14. a	14. e	14. 1	DEP: 21
	15. c	15. d	15. 1	
	16. a	16. b	16. 1b	
	17. a	17. a	17. 1	
	18. c	18. a	18. 0	
	19. c	19. c	19. 1	
	20. a	20. b	20. 1	
	21. b	21. a	21. 0	
	22. a	22. c		
	23. c	23. d		
	24. a	24. a		

Subject # A19 Age: 36-45 Married Female HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. c	01. c	01. 0	L: 5
	02. a	02. a	02. 0	F: 5
	03. a	03. a	03. 0	K: 17
	04. a	04. a	04. 0	1: 9
	05. b	05. b	05. 0	2: 25
	06. a	06. b	06. 0	3: 27
	07. a	07. c	07. 0	4: 20
	08. b	08. b	08. 0	5: 33
	09. b	09. b	09. 0	6: 11
	10. c	10. b	10. 0	7: 21
	11. a	11. a	11. 0	8: 19
	12. a	12. a	12. 0	9: 20
	13. c	13. b	13. 0	0: 22
	14. a	14. a	14. 0	DEP: 5
	15. d	15. c	15. 1	
	16. c	16. a	16. 0	
	17. a	17. a	17. 0	
	18. a	18. a	18. 0	
	19. c	19. a	19. 0	
	20. a	20. a	20. 0	
	21. a	21. a	21. 1	
	22. b	22. a		
	23. c	23. c		
	24. b	24. a		

Subject # A20 Age: 21-25 Married Male BA/BS	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. a	01. b	01. 0	L: 4
	02. a	02. a	02. 0	F: 3
	03. a	03. a	03. 0	K: 15
	04. b	04. b	04. 0	1: 4
	05. a	05. a	05. 0	2: 17
	06. a	06. a	06. 0	3: 17
	07. a	07. b	07. 0	4: 11
	08. b	08. b	08. 2	5: 24
	09. b	09. b	09. 0	6: 7
	10. b	10. b	10. 0	7: 9
	11. a	11. a	11. 0	8: 7
	12. a	12. a	12. 0	9: 11
	13. b	13. b	13. 0	0: 39
	14. a	14. a	14. 0	DEP: 3
	15. c	15. b	15. 0	
	16. c	16. b	16. 0	
	17. c	17. b	17. 0	
	18. a	18. a	18. 0	
	19. a	19. a	19. 0	
	20. b	20. a	20. 0	
	21. c	21. a	21. 0	
	22. b	22. a		
	23. b	23. b		
	24. a	24. a		

Subject # A21 Age: 36-45 Married Female BA/BS	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. b	01. c	01. 0	L: 7
	02. b	02. b	02. 0	F: 4
	03. c	03. c	03. 2	K: 9
	04. a	04. a	04. 3	1: 5
	05. a	05. a	05. 1	2: 14
	06. a	06. a	06. 0	3: 17
	07. a	07. a	07. 0	4: 22
	08. a	08. a	08. 0	5: 26
	09. a	09. a	09. 0	6: 10
	10. c	10. a	10. 0	7: 12
	11. a	11. a	11. 0	8: 11
	12. c	12. c	12. 0	9: 23
	13. c	13. a	13. 0	0: 22
	14. a	14. a	14. 0	DEP: 9
	15. c	15. c	15. 0	
	16. c	16. b	16. 0	
	17. c	17. d	17. 0	
	18. b	18. c	18. 0	
	19. c	19. c	19. 0	
	20. a	20. a	20. 0	
	21. a	21. a	21. 1	
	22. a	22. b		
	23. c	23. b		
	24. a	24. a		

Subject # A22 Age: 66-75 Married Female HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. c	01. b	01. 0	L: 8
	02. a	02. a	02. 0	F: 1
	03. c	03. c	03. 1	K: 19
	04. b	04. a	04. 0	1: 9
	05. a	05. a	05. 0	2: 20
	06. b	06. b	06. 0	3: 27
	07. a	07. a	07. 0	4: 17
	08. b	08. b	08. 0	5: 35
	09. a	09. a	09. 0	6: 10
	10. c	10. c	10. 0	7: 9
	11. b	11. b	11. 0	8: 14
	12. c	12. c	12. 0	9: 20
	13. e	13. a	13. 0	0: 27
	14. a	14. a	14. 1	DEP: 2
	15. c	15. c	15. 1	
	16. b	16. a	16. 0	
	17. b	17. b	17. 0	
	18. a	18. a	18. 0	
	19. a	19. a	19. 1	
	20. b	20. a	20. 1	
	21. a	21. b	21. 0	
	22. b	22. c		
	23. c	23. c		
	24. a	24. b		

Subject # A23 Age:46-55 Married Male BA/BS	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. c	01. c	01. 0	L: 3
	02. a	02. a	02. 1	F: 11
	03. c	03. a	03. 1	K: 20
	04. c	04. c	04. 1	1: 5
	05. b	05. c	05. 0	2: 20
	06. b	06. a	06. 0	3: 25
	07. a	07. a	07. 2	4: 20
	08. c	08. c	08. 1	5: 23
	09. c	09. c	09. 1	6: 10
	10. c	10. c	10. 0	7: 7
	11. a	11. a	11. 1	8: 15
	12. a	12. a	12. 1	9: 14
	13. a	13. a	13. 0	0: 36
	14. d	14. d	14. 1	DEP: 8
	15. b	15. a	15. 0	
	16. d	16. c	16. 2b	
	17. a	17. a	17. 1	
	18. a	18. a	18. 1b	
	19. b	19. a	19. 0	
	20. c	20. c	20. 0	
	21. c	21. d	21. 1	
	22. b	22. c		
	23. a	23. a		
	24. c	24. c		

Subject # A24 Age: 46-55 Widowed Female HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. c	01. b	01. 0	L: 3
	02. a	02. a	02. 1	F: 5
	03. c	03. c	03. 1	K: 15
	04. b	04. b	04. 1	1: 5
	05. b	05. b	05. 1	2: 25
	06. c	06. c	06. 0	3: 21
	07. b	07. c	07. 0	4: 24
	08. b	08. b	08. 0	5: 39
	09. a	09. a	09. 0	6: 13
	10. b	10. a	10. 0	7: 16
	11. a	11. a	11. 0	8: 12
	12. c	12. c	12. 0	9: 16
	13. b	13. c	13. 0	0: 27
	14. a	14. a	14. 0	DEP: 8
	15. c	15. c	15. 1	
	16. b	16. a	16. 1a	
	17. b	17. b	17. 0	
	18. c	18. c	18. 0	
	19. c	19. c	19. 1	
	20. b	20. d	20. 1	
	21. d	21. a	21. 1	
	22. b	22. c		
	23. c	23. c		
	24. b	24. b		

Subject # A25 Age: 26-30 Engaged Female BA/BS	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. a	01. a	01. 0	L: 7
	02. a	02. a	02. 0	F: 1
	03. a	03. c	03. 0	K: 22
	04. b	04. a	04. 0	1: 1
	05. a	05. a	05. 0	2: 18
	06. a	06. a	06. 0	3: 22
	07. a	07. a	07. 0	4: 13
	08. a	08. a	08. 0	5: 30
	09. a	09. a	09. 0	6: 11
	10. a	10. a	10. 0	7: 2
	11. a	11. a	11. 0	8: 0
	12. a	12. a	12. 0	9: 9
	13. d	13. c	13. 0	0: 17
	14. a	14. a	14. 0	DEP: 0
	15. a	15. a	15. 0	
	16. e	16. e	16. 0	
	17. a	17. a	17. 0	
	18. c	18. c	18. 0	
	19. a	19. a	19. 0	
	20. a	20. a	20. 0	
	21. a	21. a	21. 0	
	22. a	22. a		
	23. a	23. a		
	24. a	24. a		

Subject # B1 Age: 56-65 Married Male College 1 year	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. a	01. a	01. 0	L: 5
	02. a	02. a	02. 0	F: 4
	03. a	03. c	03. 0	K: 22
	04. b	04. b	04. 1	1: 8
	05. a	05. a	05. 1	2: 22
	06. b	06. b	06. 0	3: 25
	07. b	07. a	07. 0	4: 15
	08. b	08. b	08. 1	5: 18
	09. c	09. c	09. 0	6: 6
	10. a	10. b	10. 0	7: 6
	11. a	11. a	11. 0	8: 9
	12. a	12. a	12. 0	9: 13
	13. a	13. a	13. 0	0: 28
	14. a	14. a	14. 0	DEP: 2
	15. c	15. d	15. 1	
	16. a	16. a	16. 0	
	17. a	17. d	17. 0	
	18. a	18. a	18. 0	
	19. a	19. a	19. 1	
	20. a	20. b	20. 0	
	21. b	21. b	21. 1	
	22. a	22. a		
	23. c	23. c		
	24. b	24. a		

Subject # B2	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
Age: 18-20	01. a	01. a	01. 0	L: 4
Single	02. a	02. a	02. 0	F: 5
Female	03. c	03. a	03. 0	K: 12
Grad. Student	04. e	04. d	04. 0	1: 8
	05. a	05. a	05. 0	2: 23
	06. e	06. c	06. 0	3: 26
	07. c	07. a	07. 0	4: 24
	08. c	08. a	08. 0	5: 30
	09. b	09. b	09. 0	6: 8
	10. d	10. a	10. 0	7: 20
	11. a	11. c	11. 0	8: 12
	12. c	12. c	12. 3	9: 15
	13. c	13. a	13. 0	0: 29
	14. a	14. a	14. 0	DEP: 5
	15. d	15. c	15. 1	
	16. c	16. b	16. 0	
	17. a	17. d	17. 0	
	18. b	18. d	18. 0	
	19. a	19. a	19. 2	
	20. b	20. d	20. 2	
	21. d	21. b	21. 0	
	22. b	22. a		
	23. d	23. c		
	24. b	24. a		

Subject # B3 Age: 31-35 Married Male HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. c	01. a	01. 0	L: 1
	02. a	02. a	02. 1	F: 10
	03. c	03. c	03. 1	K: 6
	04. c	04. c	04. 1	1: 11
	05. a	05. b	05. 0	2: 19
	06. c	06. c	06. 0	3: 21
	07. c	07. c	07. 0	4: 22
	08. b	08. b	08. 1	5: 26
	09. a	09. a	09. 0	6: 15
	10. c	10. d	10. 1	7: 24
	11. b	11. c	11. 1	8: 27
	12. a	12. c	12. 0	9: 26
	13. a	13. c	13. 1	0: 41
	14. a	14. a	14. 1	DEP: 15
	15. c	15. d	15. 1	
	16. c	16. c	16. 1b	
	17. a	17. b	17. 1	
	18. c	18. c	18. 1b	
	19. b	19. c	19. 1	
	20. c	20. c	20. 1	
	21. c	21. d	21. 0	
	22. b	22. d		
	23. c	23. c		
	24. c	24. d		

Subject # B4 Age: 46-55 Married Male HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. a	01. b	01. 0	L: 5
	02. a	02. a	02. 0	F: 5
	03. a	03. e	03. 1	K: 17
	04. a	04. c	04. 0	1: 5
	05. a	05. b	05. 1	2: 21
	06. a	06. a	06. 1	3: 17
	07. a	07. b	07. 0	4: 20
	08. b	08. a	08. 1	5: 25
	09. a	09. a	09. 0	6: 11
	10. b	10. c	10. 0	7: 8
	11. a	11. a	11. 0	8: 5
	12. a	12. c	12. 0	9: 17
	13. a	13. b	13. 0	0: 33
	14. a	14. a	14. 0	DEP: 4
	15. c	15. c	15. 1	
	16. a	16. b	16. 0	
	17. a	17. a	17. 0	
	18. a	18. a	18. 0	
	19. a	19. a	19. 0	
	20. a	20. a	20. 0	
	21. a	21. b	21. 1	
	22. b	22. c		
	23. a	23. c		
	24. a	24. a		

Subject # B5 Age: 31-35 Married Female HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. a	01. b	01. 0	L: 4
	02. a	02. a	02. 1	F: 7
	03. b	03. d	03. 0	K: 9
	04. c	04. c	04. 0	1: 14
	05. a	05. a	05. 0	2: 25
	06. b	06. c	06. 0	3: 22
	07. b	07. d	07. 0	4: 17
	08. c	08. c	08. 0	5: 35
	09. a	09. a	09. 0	6: 15
	10. a	10. c	10. 0	7: 17
	11. a	11. b	11. 1	8: 13
	12. b	12. c	12. 0	9: 19
	13. b	13. a	13. 0	0: 44
	14. a	14. a	14. 1	DEP: 11
	15. b	15. c	15. 1	
	16. a	16. b	16. 1b	
	17. a	17. b	17. 0	
	18. a	18. c	18. 0	
	19. b	19. a	19. 1	
	20. a	20. c	20. 1	
	21. c	21. a	21. 2	
	22. c	22. c		
	23. c	23. c		
	24. b	24. c		

Subject # B6 Age: 31-35 Divorced Female College 1 year	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. a	01. b	01. 0	L: 1
	02. a	02. a	02. 1	F: 6
	03. a	03. c	03. 0	K: 9
	04. a	04. b	04. 1	1: 7
	05. b	05. a	05. 1	2: 23
	06. a	06. d	06. 1	3: 13
	07. a	07. b	07. 0	4: 23
	08. b	08. b	08. 0	5: 35
	09. d	09. d	09. 0	6: 11
	10. b	10. c	10. 0	7: 24
	11. a	11. a	11. 1	8: 23
	12. a	12. c	12. 3	9: 21
	13. b	13. b	13. 0	0: 40
	14. a	14. b	14. 0	DEP: 8
	15. c	15. c	15. 1	
	16. a	16. b	16. 3b	
	17. a	17. a	17. 1	
	18. a	18. c	18. 2b	
	19. a	19. a	19. 0	
	20. b	20. b	20. 0	
	21. a	21. c	21. 1	
	22. a	22. b		
	23. b	23. b		
	24. b	24. b		

Subject # B7 Age: 46-55 Married Male College 4 years	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. a	01. a	01. 0	L: 1
	02. a	02. a	02. 0	F: 6
	03. a	03. c	03. 0	K: 7
	04. a	04. b	04. 0	1: 7
	05. a	05. b	05. 0	2: 13
	06. a	06. c	06. 0	3: 15
	07. a	07. c	07. 0	4: 17
	08. a	08. a	08. 0	5: 19
	09. a	09. a	09. 0	6: 8
	10. a	10. b	10. 0	7: 17
	11. a	11. b	11. 0	8: 14
	12. c	12. c	12. 0	9: 15
	13. e	13. e	13. 0	0: 34
	14. a	14. a	14. 0	DEP: 3
	15. c	15. b	15. 1	
	16. d	16. a	16. 0	
	17. a	17. a	17. 1	
	18. c	18. c	18. 0	
	19. a	19. a	19. 0	
	20. a	20. b	20. 1	
	21. b	21. b	21. 0	
	22. a	22. b		
	23. a	23. b		
	24. a	24. a		

Subject # B8 Age: 26-30 Single Female College 4 years	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. a	01. b	01. 0	L: 2
	02. a	02. a	02. 1	F: 7
	03. a	03. c	03. 1	K: 18
	04. b	04. b	04. 1	1: 4
	05. a	05. b	05. 1	2: 27
	06. a	06. a	06. 0	3: 18
	07. a	07. a	07. 0	4: 19
	08. b	08. c	08. 0	5: 35
	09. a	09. a	09. 0	6: 6
	10. a	10. b	10. 0	7: 13
	11. a	11. a	11. 0	8: 16
	12. c	12. c	12. 1	9: 18
	13. a	13. a	13. 0	0: 42
	14. a	14. a	14. 0	DEP: 14
	15. c	15. c	15. 0	
	16. a	16. a	16. 1b	
	17. c	17. b	17. 1	
	18. c	18. d	18. 0	
	19. b	19. b	19. 0	
	20. a	20. b	20. 0	
	21. b	21. a	21. 0	
	22. b	22. c		
	23. c	23. c		
	24. c	24. c		

Subject # B9 Age: 46-55 Married Female HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. a	01. c	01. 0	L: 3
	02. a	02. a	02. 0	F: 11
	03. c	03. d	03. 0	K: 12
	04. a	04. b	04. 0	1: 9
	05. a	05. a	05. 0	2: 28
	06. a	06. b	06. 0	3: 24
	07. b	07. d	07. 0	4: 17
	08. c	08. c	08. 0	5: 37
	09. a	09. a	09. 0	6: 11
	10. a	10. b	10. 0	7: 18
	11. a	11. a	11. 0	8: 12
	12. b	12. c	12. 0	9: 12
	13. a	13. a	13. 0	0: 42
	14. a	14. a	14. 0	DEP: 13
	15. d	15. c	15. 0	
	16. a	16. a	16. 0	
	17. a	17. a	17. 0	
	18. a	18. b	18. 0	
	19. c	19. c	19. 0	
	20. a	20. b	20. 0	
	21. b	21. a	21. 0	
	22. a	22. c		
	23. c	23. c		
	24. a	24. c		

Subject # B10 Age: 56-65 Married Female HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. c	01. c	01. 0	L: 6
	02. a	02. a	02. 0	F: 3
	03. a	03. c	03. 0	K: 14
	04. a	04. b	04. 1	1: 10
	05. a	05. c	05. 0	2: 25
	06. a	06. c	06. 0	3: 19
	07. a	07. c	07. 2	4: 14
	08. a	08. a	08. 1	5: 33
	09. a	09. a	09. 0	6: 8
	10. a	10. b	10. 0	7: 19
	11. a	11. a	11. 0	8: 16
	12. a	12. c	12. 0	9: 17
	13. c	13. c	13. 0	0: 37
	14. a	14. a	14. 0	DEP: 6
	15. a	15. b	15. 1	
	16. b	16. b	16. 0	
	17. d	17. c	17. 0	
	18. c	18. c	18. 0	
	19. a	19. a	19. 1	
	20. a	20. a	20. 1	
	21. a	21. a	21. 1	
	22. b	22. a		
	23. a	23. a		
	24. a	24. a		

Subject # B11	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
Age: 56-65	01. c	01. c	01. 1	L: 5
Divorced	02. a	02. a	02. 1	F: 10
Female	03. a	03. a	03. 1	K: 18
No answer	04. d	04. d	04. 1	1: 22
	05. c	05. c	05. 1	2: 39
	06. c	06. c	06. 3	3: 42
	07. c	07. c	07. 1	4: 22
	08. a	08. a	08. 1	5: 36
	09. d	09. d	09. 0	6: 14
	10. c	10. c	10. 0	7: 23
	11. b	11. b	11. 0	8: 20
	12. c	12. c	12. 1	9: 14
	13. b	13. b	13. 2	0: 39
	14. a	14. a	14. 1	DEP: 19
	15. a	15. a	15. 2	
	16. a	16. a	16. 2a/b	
	17. a	17. a	17. 1	
	18. a	18. a	18. 1b	
	19. c	19. c	19. 1	
	20. b	20. b	20. 2	
	21. b	21. b	21. 2	
	22. d	22. d		
	23. c	23. c		
	24. d	24. d		

Subject # B12 Age: 46-55 Married Female HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. a	01. c	01. 1	L: 4
	02. a	02. a	02. 1	F: 2
	03. a	03. c	03. 0	K: 10
	04. a	04. c	04. 0	1: 2
	05. a	05. b	05. 0	2: 17
	06. a	06. b	06. 0	3: 13
	07. b	07. b	07. 0	4: 16
	08. b	08. b	08. 1	5: 34
	09. b	09. a	09. 0	6: 10
	10. a	10. b	10. 0	7: 10
	11. a	11. a	11. 0	8: 4
	12. b	12. b	12. 0	9: 13
	13. c	13. b	13. 0	0: 34
	14. b	14. b	14. 0	DEP: 6
	15. c	15. c	15. 0	
	16. a	16. c	16. 0	
	17. a	17. a	17. 1	
	18. a	18. a	18. 0	
	19. c	19. c	19. 0	
	20. a	20. c	20. 0	
	21. a	21. b	21. 1	
	22. a	22. c		
	23. b	23. b		
	24. b	24. b		

Subject # B13 Age: 46-55 Separated Female BA/BS	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. b	01. b	01. 0	L: 4
	02. a	02. a	02. 0	F: 4
	03. c	03. c	03. 1	K: 14
	04. b	04. b	04. 0	1: 2
	05. c	05. c	05. 1	2: 25
	06. a	06. a	06. 0	3: 18
	07. a	07. a	07. 0	4: 24
	08. b	08. b	08. 0	5: 35
	09. a	09. a	09. 0	6: 11
	10. a	10. a	10. 0	7: 15
	11. a	11. a	11. 0	8: 11
	12. a	12. a	12. 0	9: 12
	13. b	13. b	13. 0	0: 38
	14. a	14. a	14. 0	DEP: 11
	15. a	15. a	15. 0	
	16. b	16. b	16. 0	
	17. b	17. c	17. 0	
	18. a	18. c	18. 0	
	19. a	19. c	19. 0	
	20. a	20. b	20. 0	
	21. b	21. a	21. 0	
	22. c	22. c		
	23. b	23. b		
	24. b	24. b		

Subject # B14 Age: 56-65 Married Female HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. c	01. c	01. 1	L: 5
	02. b	02. a	02. 1	F: 9
	03. b	03. c	03. 1	K: 12
	04. b	04. d	04. 2	1: 6
	05. c	05. c	05. 0	2: 28
	06. b	06. b	06. 1	3: 21
	07. c	07. c	07. 1	4: 27
	08. b	08. b	08. 1	5: 32
	09. a	09. a	09. 0	6: 13
	10. a	10. d	10. 0	7: 23
	11. a	11. c	11. 1	8: 29
	12. c	12. a	12. 2	9: 18
	13. a	13. a	13. 2	0: 40
	14. a	14. a	14. 1	DEP: 19
	15. c	15. d	15. 1	
	16. c	16. c	16. 1b	
	17. a	17. b	17. 2	
	18. a	18. a	18. 1a	
	19. b	19. c	19. 2	
	20. b	20. c	20. 2	
	21. b	21. a	21. 3	
	22. c	22. c		
	23. c	23. d		
	24. a	24. d		

Subject # B15 Age: 46-55 Married Female HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. d	01.	01. 1	L: 6
	02. a	02.	02. 1	F: 7
	03. b	03.	03. 2	K: 18
	04. b	04.	04. 2	1: 9
	05. a	05.	05. 0	2: 46
	06. b	06.	06. 0	3: 30
	07. d	07.	07. 2	4: 22
	08. d	08.	08. 0	5: 34
	09. a	09.	09. 0	6: 15
	10. d	10.	10. 0	7: 33
	11. a	11.	11. 0	8: 24
	12. c	12.	12. 3	9: 10
	13. a	13.	13. 3	0: 46
	14. a	14.	14. 1	DEP: 19
	15. e	15.	15. 2	
	16. a	16.	16. 0	
	17. a	17.	17. 0	
	18. a	18.	18. 3b	
	19. c	19.	19. 2	
	20. a	20.	20. 2	
	21. d	21.	21. 0	
	22. c	22.		
	23. c	23.		
	24. c	24.		

Subject # B16 Age: 56-65 Married Female College 2 years	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. b	01. a	01. 0	L: 8
	02. a	02. a	02. 0	F: 6
	03. b	03. b	03. 1	K: 19
	04. b	04. a	04. 0	1: 7
	05. d	05. d	05. 1	2: 29
	06. b	06. c	06. 0	3: 27
	07. b	07. b	07. 0	4: 14
	08. b	08. a	08. 1	5: 42
	09. b	09. b	09. 0	6: 8
	10. b	10. c	10. 0	7: 11
	11. a	11. a	11. 0	8: 8
	12. a	12. a	12. 0	9: 10
	13. a	13. c	13. 0	0: 39
	14. a	14. a	14. 0	DEP: 4
	15. c	15. c	15. 1	
	16. b	16. c	16. 0	
	17. a	17. d	17. 0	
	18. b	18. c	18. 1b	
	19. b	19. a	19. 1	
	20. b	20. b	20. 1	
	21. a	21. a	21. 1	
	22. b	22. c		
	23. c	23. b		
	24. b	24. b		

Subject # B17	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
Age: 56-65	01. c	01. a	01. 0	L: 6
Married	02. a	02. a	02. 0	F: 6
Female	03. a	03. a	03. 0	K: 9
No answer	04. a	04. a	04. 0	1: 16
	05. b	05. a	05. 0	2: 30
	06. c	06. a	06. 0	3: 24
	07. b	07. a	07. 0	4: 15
	08. a	08. a	08. 1	5: 34
	09. b	09. b	09. 0	6: 9
	10. a	10. a	10. 1	7: 20
	11. a	11. a	11. 0	8: 23
	12. b	12. d	12. 0	9: 18
	13. b	13. c	13. 0	0: 38
	14. a	14. b	14. 0	DEP: 7
	15. b	15. b	15. 1	
	16. c	16. b	16. 1a	
	17. a	17. c	17. 0	
	18. c	18. b	18. 1a	
	19. c	19. a	19. 1	
	20. d	20. b	20. 1	
	21. b	21. a	21. 1	
	22. a	22. b		
	23. a	23. a		
	24. a	24. b		

Subject # B18 Age: 56-65 Married Female HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. c	01. b	01. 0	L: 7
	02. a	02. b	02. 0	F: 8
	03. b	03. b	03. 1	K: 20
	04. a	04. a	04. 0	1: 8
	05. a	05. a	05. 1	2: 28
	06. a	06. e	06. 0	3: 28
	07. b	07. b	07. 0	4: 12
	08. c	08. a	08. 0	5: 37
	09. a	09. a	09. 0	6: 11
	10. b	10. b	10. 0	7: 13
	11. a	11. a	11. 0	8: 10
	12. c	12. b	12. 1	9: 8
	13. c	13. b	13. 0	0: 40
	14. a	14. a	14. 0	DEP: 2
	15. c	15. c	15. 1	
	16. c	16. a	16. 0	
	17. b	17. d	17. 0	
	18. a	18. a	18. 0	
	19. a	19. b	19. 0	
	20. a	20. a	20. 0	
	21. a	21. a	21. 0	
	22. b	22. c		
	23. c	23. c		
	24. a	24. a		

Subject # B19 Age: 56-65 Married Male College 1 year	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. a	01. a	01. 0	L: 3
	02. a	02. a	02. 0	F: 0
	03. c	03. a	03. 0	K: 13
	04. b	04. a	04. 1	1: 5
	05. a	05. a	05. 0	2: 12
	06. a	06. a	06. 0	3: 14
	07. a	07. a	07. 0	4: 16
	08. c	08. b	08. 0	5: 21
	09. a	09. a	09. 0	6: 5
	10. b	10. c	10. 0	7: 7
	11. a	11. a	11. 0	8: 5
	12. c	12. c	12. 0	9: 14
	13. c	13. c	13. 0	0: 34
	14. a	14. a	14. 0	DEP: 3
	15. c	15. a	15. 0	
	16. c	16. c	16. 0	
	17. a	17. d	17. 0	
	18. c	18. d	18. 0	
	19. a	19. b	19. 0	
	20. a	20. a	20. 0	
	21. a	21. a	21. 0	
	22. b	22. a		
	23. c	23. c		
	24. b	24. b		

Subject # B20 Age: 46-55 Married Female HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. a	01. c	01. 0	L: 9
	02. a	02. a	02. 0	F: 3
	03. c	03. c	03. 0	K: 19
	04. b	04. a	04. 0	1: 2
	05. a	05. a	05. 0	2: 21
	06. a	06. a	06. 0	3: 24
	07. a	07. a	07. 0	4: 13
	08. b	08. b	08. 0	5: 35
	09. a	09. a	09. 0	6: 8
	10. a	10. c	10. 0	7: 4
	11. a	11. a	11. 0	8: 3
	12. a	12. a	12. 0	9: 7
	13. c	13. c	13. 0	0: 36
	14. a	14. a	14. 0	DEP: 0
	15. c	15. b	15. 0	
	16. a	16. a	16. 0	
	17. a	17. a	17. 0	
	18. a	18. a	18. 0	
	19. a	19. a	19. 0	
	20. a	20. b	20. 0	
	21. a	21. a	21. 0	
	22. b	22. c		
	23. c	23. c		
	24. a	24. b		

Subject # B21 Age: 46-55 Married Female HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. a	01. a	01. 0	L: 7
	02. a	02. a	02. 0	F: 6
	03. a	03. a	03. 1	K: 16
	04. b	04. b	04. 0	1: 7
	05. a	05. a	05. 0	2: 25
	06. b	06. b	06. 0	3: 25
	07. a	07. a	07. 0	4: 14
	08. b	08. b	08. 0	5: 32
	09. b	09. b	09. 0	6: 8
	10. a	10. a	10. 0	7: 11
	11. a	11. a	11. 1	8: 3
	12. a	12. a	12. 0	9: 9
	13. b	13. b	13. 0	0: 36
	14. a	14. a	14. 0	DEP: 2
	15. b	15. b	15. 1	
	16. a	16. b	16. 1a	
	17. c	17. c	17. 0	
	18. a	18. b	18. 0	
	19. a	19. a	19. 1	
	20. b	20. b	20. 0	
	21. b	21. a	21. 0	
	22. b	22. a		
	23. b	23. a		
	24. a	24. b		

Subject # B22 Age: 56-65 Married Male 10 th grade	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. d	01. d	01. 1	L: 5
	02. b	02. b	02. 1	F: 11
	03. c	03. c	03. 3	K: 10
	04. e	04. e	04. 1	1: 19
	05. b	05. b	05. 1	2: 31
	06. d	06. d	06. 0	3: 26
	07. c	07. c	07. 2	4: 26
	08. c	08. c	08. 2	5: 25
	09. b	09. b	09. 1	6: 14
	10. e	10. e	10. 3	7: 27
	11. a	11. a	11. 3	8: 30
	12. e	12. e	12. 3	9: 19
	13. a	13. a	13. 3	0: 46
	14. a	14. a	14. 2	DEP: 22
	15. c	15. c	15. 1	
	16. a	16. a	16. 2a/b	
	17. b	17. b	17. 1	
	18. a	18. a	18. 3a/b	
	19. e	19. e	19. 1	
	20. e	20. e	20. 1	
	21. e	21. e	21. 0	
	22. e	22. e		
	23. c	23. c		
	24. e	24. e		

Subject # B23 Age: 36-45 Married Female BA/BS	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. a	01. b	01. 0	L: 9
	02. a	02. a	02. 0	F: 2
	03. a	03. a	03. 1	K: 22
	04. d	04. d	04. 1	1: 9
	05. a	05. a	05. 1	2: 22
	06. d	06. d	06. 0	3: 29
	07. a	07. a	07. 0	4: 16
	08. a	08. a	08. 0	5: 33
	09. a	09. a	09. 0	6: 12
	10. a	10. a	10. 0	7: 5
	11. a	11. a	11. 1	8: 2
	12. a	12. c	12. 0	9: 16
	13. e	13. a	13. 0	0: 15
	14. a	14. a	14. 0	DEP: 2
	15. a	15. a	15. 1	
	16. d	16. c	16. 1a	
	17. b	17. b	17. 0	
	18. a	18. c	18. 0	
	19. a	19. c	19. 1	
	20. a	20. d	20. 1	
	21. d	21. a	21. 0	
	22. a	22. a		
	23. a	23. a		
	24. a	24. a		

Subject # B24 Age: 46-55 Single Female HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. b	01. b	01. 0	L: 9
	02. a	02. a	02. 0	F: 28
	03. c	03. c	03. 0	K: 17
	04. a	04. a	04. 0	1: 13
	05. b	05. b	05. 1	2: 29
	06. b	06. b	06. 0	3: 25
	07. b	07. b	07. 0	4: 30
	08. b	08. b	08. 1	5: 28
	09. b	09. b	09. 0	6: 21
	10. c	10. c	10. 1	7: 29
	11. b	11. b	11. 0	8: 38
	12. d	12. d	12. 1	9: 30
	13. d	13. d	13. 0	0: 35
	14. c	14. c	14. 0	DEP: 18
	15. d	15. d	15. 1	
	16. b	16. c	16. 1b	
	17. c	17. c	17. 0	
	18. c	18. c	18. 1a	
	19. c	19. c	19. 1	
	20. b	20. b	20. 1	
	21. b	21. b	21. 0	
	22. a	22. a		
	23. c	23. c		
	24. a	24. a		

Subject # B25	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
Age: 21-25	01. a	01. a	01. 0	L: 3
Single	02. a	02. a	02. 0	F: 6
Male	03. b	03. d	03. 1	K: 10
HS diploma	04. a	04. a	04. 1	1: 8
	05. b	05. b	05. 1	2: 20
	06. b	06. a	06. 1	3: 20
	07. c	07. c	07. 0	4: 19
	08. c	08. c	08. 1	5: 21
	09. a	09. b	09. 0	6: 8
	10. a	10. d	10. 0	7: 23
	11. b	11. c	11. 0	8: 21
	12. b	12. c	12. 1	9: 17
	13. c	13. c	13. 0	0: 35
	14. a	14. a	14. 0	DEP: 8
	15. c	15. e	15. 1	
	16. d	16. a	16. 1a	
	17. a	17. a	17. 0	
	18. c	18. b	18. 1a	
	19. a	19. a	19. 2	
	20. b	20. a	20. 1	
	21. a	21. c	21. 0	
	22. b	22. c		
	23. d	23. d		
	24. b	24. a		

Subject # B26 Age: 18-20 Single Female HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. c	01. b	01. 1	L: 2
	02. a	02. a	02. 0	F: 13
	03. c	03. d	03. 1	K: 6
	04. c	04. d	04. 0	1: 5
	05. b	05. d	05. 1	2: 21
	06. c	06. a	06. 0	3: 14
	07. c	07. b	07. 0	4: 27
	08. c	08. c	08. 0	5: 29
	09. b	09. b	09. 0	6: 16
	10. c	10. c	10. 1	7: 23
	11. a	11. b	11. 0	8: 36
	12. c	12. c	12. 1	9: 27
	13. e	13. b	13. 0	0: 29
	14. a	14. b	14. 0	DEP: 14
	15. c	15. c	15. 0	
	16. b	16. b	16. 1b	
	17. b	17. a	17. 1	
	18. c	18. a	18. 1a	
	19. c	19. c	19. 1	
	20. c	20. b	20. 0	
	21. d	21. c	21. 0	
	22. a	22. b		
	23. c	23. c		
	24. a	24. a		

Subject # C1	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
Age: 46-55	01. c	01. c	01. 0	L: 8
Married	02. a	02. a	02. 1	F: 4
Male	03. c	03. c	03. 0	K: 14
HS diploma	04. b	04. b	04. 2	1: 3
	05. b	05. b	05.	2: 24
	06. b	06. b	06. 0	3: 20
	07. a	07. a	07. 0	4: 20
	08. b	08. b	08. 0	5: 21
	09. a	09. a	09. 0	6: 12
	10. c	10. c	10. 0	7: 9
	11. a	11. a	11. 1	8: 12
	12. b	12. b	12. 1	9: 12
	13. b	13. b	13. 0	0: 48
	14. a	14. a	14. 0	DEP: 8
	15. c	15. c	15. 1	
	16. d	16. d	16. 0	
	17. a	17. a	17. 1	
	18. a	18. a	18. 0	
	19. c	19. c	19. 1	
	20. b	20. b	20. 0	
	21. b	21. b	21. 2	
	22. a	22. c		
	23. c	23. c		
	24. b	24. c		

Subject # C2	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
Age: 18-20	01. d	01. c	01. 1	L: MMPI-2 Not Valid
Single	02. b	02. b	02. 2	F: ? score = 336
Female	03. d	03. c	03. 2	K: treated as missing
HS diploma	04. e	04. e	04. 1	1: variables
	05. b	05. b	05. 1	2:
	06. e	06. d	06. 3	3:
	07. d	07. d	07. 1	4:
	08. c	08. c	08. 2	5:
	09. d	09. c	09. 1	6:
	10. d	10. d	10. 3	7:
	11. b	11. b	11. 3	8:
	12. a	12. a	12. 1	9:
	13. b	13. b	13. 2	0:
	14. a	14. a	14. 1	DEP:
	15. a	15. a	15. 1	
	16. b	16. c	16. 2a	
	17. b	17. b	17. 2	
	18. c	18. b	18. 2b	
	19. e	19. d	19. 2	
	20. e	20. e	20. 0	
	21. e	21. e	21.	
	22. d	22. c		
	23. d	23. d		
	24. c	24. c		

Subject # C3 Age: 56-65 No answer Female College 3 years	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. c	01. a	01. 0	L: 7
	02. a	02. a	02. 0	F: 3
	03. a	03. a	03. 2	K: 15
	04. a	04. b	04. 1	1: 3
	05. a	05. a	05. 0	2: 24
	06. b	06. b	06. 0	3: 16
	07. c	07. c	07. 0	4: 10
	08. c	08. c	08. 0	5: 35
	09. b	09. b	09. 0	6: 12
	10. a	10. a	10. 0	7: 10
	11. a	11. b	11. 0	8: 12
	12. c	12. c	12. 0	9: 8
	13. c	13. c	13. 1	0: 39
	14. a	14. b	14. 0	DEP: 5
	15. c	15. c	15. 1	
	16. a	16. e	16. 0	
	17. b	17. d	17. 0	
	18. b	18. b	18. 0	
	19. a	19. a	19. 1	
	20. a	20. a	20. 1	
	21. b	21. a	21. 1	
	22. b	22. a		
	23. c	23. c		
	24. a	24. a		

Subject # C4	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
Age: 18-20	01. d	01. c	01. Was	L: 5
Single	02. c	02. e	02. not	F: 35
Male	03. a	03. a	03. done	K: 12
HS diploma	04. b	04. c	04. treated	1: 16
	05. b	05. d	05. as	2: 32
	06. c	06. a	06. missing	3: 24
	07. a	07. d	07. variable	4: 18
	08. e	08. e	08.	5: 28
	09. c	09. b	09.	6: 20
	10. e	10. b	10.	7: 27
	11. e	11. a	11.	8: 39
	12. b	12. b	12.	9: 26
	13. c	13. b	13.	0: 36
	14. b	14. d	14.	DEP: 19
	15. c	15. c	15.	
	16. b	16. e	16.	
	17. a	17. c	17.	
	18. d	18. d	18.	
	19. e	19. e	19.	
	20. e	20. c	20.	
	21. a	21. c	21.	
	22. b	22. e		
	23. d	23. d		
	24. d	24. b		

Subject # C5 Age: 46-55 Remarried Female HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. a	01. a	01. 0	L: 4
	02. a	02. a	02. 0	F: 3
	03. a	03. c	03. 0	K: 16
	04. b	04. b	04. 0	1: 3
	05. a	05. a	05. 0	2: 21
	06. b	06. a	06. 0	3: 16
	07. a	07. a	07. 0	4: 12
	08. a	08. b	08. 0	5: 41
	09. a	09. a	09. 0	6: 7
	10. b	10. a	10. 0	7: 15
	11. a	11. a	11. 0	8: 13
	12. a	12. a	12. 0	9: 10
	13. b	13. a	13. 0	0: 41
	14. a	14. a	14. 0	DEP: 3
	15. b	15. b	15. 0	
	16. c	16. c	16. 0	
	17. a	17. d	17. 0	
	18. a	18. a	18. 0	
	19. b	19. b	19. 0	
	20. a	20. b	20. 0	
	21. b	21. b	21. 0	
	22. a	22. c		
	23. b	23. b		
	24. a	24. b		

Subject # C6 Age: 56-65 Married Male College 1 year	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. a	01. a	01. 0	L: 6
	02. a	02. a	02. 0	F: 4
	03. a	03. a	03. 0	K: 20
	04. a	04. a	04. 0	1: 4
	05. a	05. a	05. 0	2: 16
	06. a	06. a	06. 0	3: 24
	07. a	07. a	07. 0	4: 14
	08. a	08. a	08. 0	5: 21
	09. a	09. a	09. 0	6: 6
	10. a	10. a	10. 0	7: 2
	11. a	11. a	11. 0	8: 2
	12. a	12. a	12. 0	9: 19
	13. a	13. a	13. 0	0: 16
	14. a	14. a	14. 0	DEP: 0
	15. a	15. a	15. 1	
	16. a	16. a	16. 0	
	17. a	17. a	17. 0	
	18. a	18. a	18. 0	
	19. a	19. a	19. 0	
	20. a	20. a	20. 0	
	21. a	21. a	21. 0	
	22. a	22. a		
	23. a	23. a		
	24. a	24. a		

Subject # C7 Age: 46-55 Divorced Female HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. c	01. c	01. 1	L: 2
	02. b	02. b	02. 1	F: 12
	03. d	03. d	03. 0	K: 8
	04. d	04. c	04. 1	1: 9
	05. c	05. c	05. 1	2: 26
	06. c	06. c	06. 1	3: 25
	07. c	07. d	07. 1	4: 25
	08. d	08. d	08. 1	5: 36
	09. a	09. a	09. 1	6: 17
	10. d	10. d	10. 0	7: 34
	11. a	11. a	11. 1	8: 33
	12. d	12. d	12. 0	9: 24
	13. b	13. b	13. 0	0: 38
	14. a	14. a	14. 0	DEP: 21
	15. e	15. e	15. 1	
	16. e	16. e	16. 2a	
	17. a	17. a	17. 1	
	18. c	18. c	18. 2a	
	19. c	19. c	19. 2	
	20. a	20. a	20. 2	
	21. d	21. d	21. 0	
	22. c	22. c		
	23. e	23. e		
	24. d	24. d		

Subject # C8 Age: 21-25 Single Female HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. c	01. c	01. 0	L: 5
	02. a	02. a	02. 0	F: 14
	03. b	03. c	03. 0	K: 3
	04. c	04. c	04. 0	1: 15
	05. a	05. b	05. 0	2: 33
	06. b	06. c	06. 1	3: 26
	07. c	07. c	07. 0	4: 25
	08. b	08. c	08. 1	5: 41
	09. c	09. a	09. 0	6: 20
	10. c	10. c	10. 0	7: 34
	11. c	11. c	11. 0	8: 42
	12. c	12. c	12.	9: 24
	13. a	13. a	13. 0	0: 55
	14. a	14. a	14. 0	DEP: 26
	15. c	15. c	15. 1	
	16. b	16. a	16. 1b	
	17. b	17. a	17. 0	
	18. a	18. a	18. 1b	
	19. c	19. c	19. 0	
	20. a	20. b	20. 1	
	21. c	21. b	21. 0	
	22. d	22. c		
	23. c	23. c		
	24. c	24. d		

Subject # C9 Age: 26-30 Cohabiting Male No answer	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. c	01. c	01. 1	L: 2
	02. a	02. a	02. 0	F: 13
	03. c	03. c	03. 1	K: 8
	04. c	04. c	04. 2	1: 8
	05. c	05. c	05. 1	2: 18
	06. b	06. b	06. 1	3: 12
	07. c	07. c	07. 0	4: 27
	08. c	08. c	08. 0	5: 29
	09. c	09. c	09. 0	6: 14
	10. c	10. c	10. 0	7: 29
	11. c	11. c	11. 0	8: 32
	12. c	12. c	12. 1	9: 26
	13. b	13. b	13. 1	0: 38
	14. a	14. d	14. 0	DEP: 16
	15. c	15. c	15. 1	
	16. b	16. b	16. 1a	
	17. a	17. a	17. 1	
	18. c	18. b	18. 1a	
	19. c	19. c	19. 1	
	20. c	20. c	20. 0	
	21. c	21. c	21. 1	
	22. b	22. c		
	23. c	23. c		
	24. c	24. c		

Subject # C10 Age: 26-30 Single Female College 1 year	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. b	01. b	01. 1	L: 7
	02. a	02. a	02. 0	F: 6
	03. c	03. c	03. 1	K: 18
	04. b	04. b	04. 0	1: 12
	05. a	05. b	05. 0	2: 36
	06. b	06. b	06. 0	3: 30
	07. c	07. c	07. 0	4: 19
	08. b	08. b	08. 0	5: 37
	09. b	09. b	09. 0	6: 11
	10. a	10. a	10. 0	7: 19
	11. b	11. b	11. 0	8: 17
	12. c	12. c	12. 0	9: 12
	13. b	13. b	13. 0	0: 43
	14. a	14. a	14. 0	DEP: 8
	15. c	15. c	15. 0	
	16. a	16. b	16. 1b	
	17. a	17. a	17. 0	
	18. b	18. b	18. 1b	
	19. a	19. c	19. 0	
	20. b	20. b	20. 0	
	21. b	21. b	21. 0	
	22. d	22. c		
	23. c	23. c		
	24. b	24. b		

Subject # C11 Age: 21-25 Single Female HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. a	01. b	01. 0	L: 8
	02. a	02. a	02. 0	F: 27
	03. a	03. a	03. 0	K: 13
	04. a	04. a	04. 0	1: 14
	05. a	05. c	05. 0	2: 21
	06. a	06. b	06. 0	3: 25
	07. a	07. a	07. 0	4: 21
	08. a	08. a	08. 0	5: 30
	09. a	09. a	09. 0	6: 23
	10. a	10. b	10. 0	7: 23
	11. a	11. a	11. 0	8: 35
	12. a	12. a	12. 0	9: 27
	13. a	13. e	13. 0	0: 35
	14. a	14. a	14. 0	DEP: 15
	15. a	15. a	15. 0	
	16. a	16. d	16. 0	
	17. a	17. d	17. 0	
	18. d	18. d	18. 0	
	19. a	19. a	19. 0	
	20. a	20. a	20. 0	
	21. a	21. a	21. 0	
	22. a	22. a		
	23. a	23. a		
	24. a	24. a		

Subject # C12 Age: 56-65 Married Female HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. a	01. a	01. 0	L: 6
	02. a	02. a	02. 0	F: 1
	03. a	03. a	03. 0	K: 15
	04. a	04. a	04. 0	1: 4
	05. a	05. a	05. 0	2: 23
	06. a	06. a	06. 0	3: 17
	07. a	07. a	07. 0	4: 15
	08. a	08. a	08. 0	5: 31
	09. a	09. a	09. 0	6: 9
	10. a	10. a	10. 0	7: 8
	11. a	11. a	11. 0	8: 3
	12. a	12. a	12. 0	9: 15
	13. a	13. a	13. 0	0: 41
	14. a	14. a	14. 0	DEP: 2
	15. b	15. b	15. 0	
	16. a	16. a	16. 0	
	17. a	17. d	17. 0	
	18. a	18. a	18. 0	
	19. a	19. a	19. 0	
	20. a	20. a	20. 0	
	21. a	21. a	21. 0	
	22. a	22. a		
	23. a	23. b		
	24. a	24. b		

Subject # C13	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
Age: 36-45	01. a	01. a	01. 0	L: MMPI-2 not valid
Married	02. a	02. a	02. 0	F: ? score = 110
Female	03. a	03. b	03. 0	K: treated as missing
HS diploma	04. b	04. b	04. 0	1: variables
	05. a	05. a	05. 1	2:
	06. b	06. a	06. 0	3:
	07. a	07. a	07. 0	4:
	08. b	08. b	08. 0	5:
	09. a	09. a	09. 0	6:
	10. a	10. a	10. 0	7:
	11. a	11. a	11. 0	8:
	12. a	12. a	12. 0	9:
	13. c	13. a	13. 0	0:
	14. a	14. a	14. 0	DEP:
	15. c	15. b	15. 1	
	16. e	16. a	16. 0	
	17. a	17. d	17. 0	
	18. b	18. a	18. 0	
	19. a	19. a	19. 0	
	20. b	20. a	20. 0	
	21. a	21. b	21. 0	
	22. b	22. a		
	23. b	23. b		
	24. a	24. b		

Subject # C14 Age: 36-45 Married Female MA	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. a	01. c	01. 0	L: 6
	02. a	02. b	02. 1	F: 3
	03. a	03. a	03. 0	K: 19
	04. a	04. a	04. 1	1: 17
	05. a	05. d	05. 0	2: 26
	06. a	06. a	06. 0	3: 37
	07. b	07. b	07. 0	4: 23
	08. a	08. b	08. 0	5: 34
	09. a	09. d	09. 0	6: 12
	10. a	10. a	10. 1	7: 13
	11. a	11. a	11. 0	8: 13
	12. b	12. a	12. 0	9: 20
	13. a	13. a	13. 0	0: 21
	14. a	14. a	14. 0	DEP: 4
	15. c	15. c	15. 2	
	16. e	16. a	16. 2a	
	17. a	17. a	17. 1	
	18. b	18. a	18. 0	
	19. a	19. b	19. 1	
	20. b	20. b	20. 1	
	21. a	21. a	21. 0	
	22. b	22. c		
	23. c	23. c		
	24. b	24. c		

Subject # C15 Age: 36-45 Cohabiting Female College 1 year	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. c	01. c	01. 1	L: 4
	02. a	02. a	02. 0	F: 3
	03. a	03. a	03. 1	K: 17
	04. a	04. b	04. 1	1: 5
	05. a	05. a	05. 1	2: 18
	06. a	06. a	06. 0	3: 17
	07. a	07. a	07. 0	4: 14
	08. a	08. a	08. 0	5: 29
	09. b	09. b	09. 0	6: 8
	10. a	10. a	10. 1	7: 4
	11. a	11. a	11. 1	8: 4
	12. a	12. a	12. 0	9: 14
	13. a	13. a	13. 1	0: 26
	14. a	14. a	14. 2	DEP: 2
	15. a	15. a	15. 1	
	16. a	16. a	16. 1a	
	17. a	17. a	17. 1	
	18. b	18. b	18. 1b	
	19. a	19. a	19. 0	
	20. b	20. b	20. 1	
	21. b	21. b	21. 1	
	22. a	22. a		
	23. a	23. a		
	24. a	24. a		

Subject # C16	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
Age: 21-25	01. c	01. d	01. 1	L: 3
Married	02. c	02. c	02. 0	F: 12
Female	03. d	03. d	03. 2	K: 8
HS diploma	04. b	04. a	04. 1	1: 20
	05. c	05. b	05. 1	2: 30
	06. c	06. c	06. 0	3: 28
	07. c	07. c	07. 2	4: 21
	08. c	08. c	08. 2	5: 34
	09. c	09. c	09. 0	6: 15
	10. c	10. c	10. 0	7: 28
	11. b	11. c	11. 0	8: 39
	12. c	12. c	12. 0	9: 20
	13. a	13. a	13. 1	0: 35
	14. a	14. a	14. 1	DEP: 20
	15. c	15. c	15. 1	
	16. a	16. a	16. 0	
	17. a	17. a	17. 0	
	18. b	18. c	18. 1a	
	19. d	19. d	19. 1	
	20. c	20. b	20. 1	
	21. b	21. c	21. 1	
	22. c	22. d		
	23. c	23. c		
	24. b	24. b		

Subject # C17 Age: 18-20 Single Female HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. c	01. c	01. 1	L: 4
	02. a	02. b	02. 1	F: 32
	03. c	03. b	03. 2	K: 10
	04. d	04. a	04. 0	1: 22
	05. d	05. b	05. 1	2: 34
	06. c	06. c	06. 0	3: 29
	07. c	07. a	07. 1	4: 36
	08. c	08. d	08. 1	5: 31
	09. c	09. d	09. 0	6: 22
	10. c	10. c	10. 2	7: 31
	11. c	11. b	11. 2	8: 13
	12. a	12. e	12. 2	9: 33
	13. b	13. c	13. 1	0: 35
	14. c	14. a	14. 0	DEP: 22
	15. b	15. e	15. 0	
	16. a	16. a	16. 3a	
	17. c	17. b	17. 2	
	18. a	18. d	18. 2b	
	19. c	19. b	19. 2	
	20. b	20. d	20. 1	
	21. c	21. a	21. 0	
	22. a	22. b		
	23. a	23. c		
	24. c	24. c		

Subject # C18 Age: 36-45 Divorced Male BA/BS	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. a	01. a	01. 0	L: 5
	02. a	02. a	02. 0	F: 17
	03. a	03. a	03. 0	K: 15
	04. b	04. a	04. 0	1: 13
	05. b	05. a	05. 0	2: 23
	06. b	06. a	06. 0	3: 23
	07. a	07. a	07. 0	4: 26
	08. a	08. a	08. 0	5: 18
	09. a	09. a	09. 0	6: 16
	10. a	10. a	10. 0	7: 17
	11. a	11. a	11. 0	8: 22
	12. a	12. a	12. 0	9: 20
	13. a	13. b	13. 0	0: 35
	14. d	14. d	14. 0	DEP: 10
	15. a	15. a	15. 0	
	16. a	16. a	16. 2b	
	17. a	17. c	17. 0	
	18. a	18. a	18. 2a	
	19. a	19. a	19. 0	
	20. a	20. a	20. 0	
	21. a	21. a	21. 0	
	22. a	22. a		
	23. a	23. a		
	24. c	24. a		

Subject # C19	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
Age: 18-20	01. c	01.	01. 1	L: 3
Single	02. b	02.	02. 3	F: 21
Female	03. d	03.	03. 3	K: 11
HS diploma	04. d	04.	04. 1	1: 9
	05. c	05.	05. 0	2: 23
	06. b	06.	06. 2	3: 20
	07. b	07.	07. 2	4: 31
	08. d	08.	08. 2	5: 27
	09. b	09.	09. 1	6: 19
	10. c	10.	10. 1	7: 21
	11. a	11.	11. 0	8: 32
	12. d	12.	12. 2	9: 24
	13. a	13.	13. 0	0: 31
	14. e	14.	14. 2	DEP: 18
	15. d	15.	15. 1	
	16. a	16.	16. 2b	
	17. a	17.	17. 1	
	18. a	18.	18. 2a	
	19. c	19.	19. 2	
	20. d	20.	20. 0	
	21. d	21.	21. 2	
	22. a	22.		
	23. e	23.		
	24. e	24.		

Subject # C20 Age: 46-55 Married Male College 3 years	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. a	01. a	01. 0	L: 4
	02. a	02. a	02. 0	F: 2
	03. a	03. b	03. 1	K: 18
	04. b	04. a	04. 0	1: 9
	05. b	05. a	05. 0	2: 19
	06. a	06. a	06. 0	3: 17
	07. a	07. a	07. 0	4: 19
	08. b	08. a	08. 0	5: 19
	09. b	09. b	09. 0	6: 5
	10. c	10. c	10. 0	7: 6
	11. a	11. b	11. 0	8: 6
	12. b	12. b	12. 1	9: 19
	13. c	13. c	13. 0	0: 30
	14. a	14. a	14. 0	DEP: 2
	15. c	15. c	15. 1	
	16. c	16. b	16. 1b	
	17. b	17. a	17. 0	
	18. b	18. b	18. 1a	
	19. b	19. b	19. 0	
	20. b	20. a	20. 0	
	21. a	21. b	21. 0	
	22. a	22. a		
	23. c	23. b		
	24. a	24. b		

Subject # C21 Age: 46-55 Married Female HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. a	01. a	01. 0	L: 2
	02. a	02. a	02. 0	F: 4
	03. b	03. b	03. 0	K: 13
	04. b	04. c	04. 1	1: 6
	05. a	05. a	05. 1	2: 15
	06. b	06. b	06. 0	3: 22
	07. c	07. c	07. 0	4: 16
	08. b	08. b	08. 0	5: 37
	09. a	09. a	09. 0	6: 8
	10. a	10. a	10. 0	7: 8
	11. a	11. a	11. 0	8: 11
	12. a	12. a	12. 0	9: 21
	13. c	13. b	13. 0	0: 20
	14. a	14. a	14. 0	DEP: 1
	15. c	15. c	15. 1	
	16. b	16. c	16. 1a	
	17. c	17. c	17. 0	
	18. a	18. a	18. 0	
	19. c	19. c	19. 0	
	20. b	20. c	20. 0	
	21. c	21. a	21. 0	
	22. a	22. b		
	23. c	23. c		
	24. b	24. b		

Subject # C22	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
Age: 18-20	01. c	01. c	01. 1	L: 2
No Answer	02. a	02. a	02. 0	F: 10
Female	03. b	03. c	03. 0	K: 11
HS diploma	04. c	04. a	04. 1	1: 11
	05. a	05. b	05. 1	2: 20
	06. a	06. b	06. 1	3: 20
	07. b	07. c	07. 0	4: 24
	08. b	08. a	08. 0	5: 34
	09. a	09. a	09. 0	6: 8
	10. a	10. d	10. 0	7: 17
	11. c	11. b	11. 0	8: 21
	12. a	12. c	12. 0	9: 25
	13. c	13. b	13. 1	0: 25
	14. a	14. a	14. 0	DEP: 9
	15. b	15. c	15. 0	
	16. b	16. b	16. 1b	
	17. a	17. a	17. 0	
	18. a	18. b	18. 1b	
	19. c	19. a	19. 0	
	20. a	20. a	20. 1	
	21. a	21. a	21. 1	
	22. b	22. a		
	23. c	23. c		
	24. a	24. a		

Subject # C23 Age: 31-35 Married Female No Answer	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. a	01. a	01. 0	L: 6
	02. a	02. a	02. 0	F: 0
	03. a	03. a	03. 0	K: 12
	04. c	04. c	04. 0	1: 2
	05. c	05. c	05. 0	2: 18
	06. c	06. c	06. 0	3: 21
	07. a	07. a	07. 0	4: 16
	08. b	08. b	08. 0	5: 36
	09. b	09. b	09. 0	6: 10
	10. b	10. b	10. 0	7: 7
	11. a	11. a	11. 1	8: 4
	12. b	12. b	12. 0	9: 14
	13. c	13. c	13. 0	0: 29
	14. a	14. a	14. 0	DEP: 0
	15. a	15. a	15. 1	
	16. c	16. c	16. 1b	
	17. a	17. a	17. 0	
	18. a	18. a	18. 1b	
	19. a	19. a	19. 0	
	20. b	20. b	20. 1	
	21. c	21. c	21. 0	
	22. a	22. a		
	23. a	23. a		
	24. a	24. a		

Subject # C24	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
Age: 26-30	01. c	01. c	01. 0	L: 5
No answer	02. a	02. a	02. 0	F: 11
Female	03. b	03. c	03. 0	K: 10
No answer	04. c	04. b	04. 0	1: 6
	05. d	05. d	05. 0	2: 19
	06. c	06. c	06. 0	3: 16
	07. b	07. c	07. 0	4: 30
	08. b	08. b	08. 0	5: 29
	09. b	09. b	09. 0	6: 17
	10. d	10. d	10. 1	7: 18
	11. a	11. a	11. 0	8: 37
	12. c	12. a	12. 0	9: 30
	13. d	13. c	13. 0	0: 26
	14. b	14. b	14. 0	DEP: 13
	15. c	15. c	15. 0	
	16. d	16. c	16. 1b	
	17. b	17. b	17. 1	
	18. d	18. c	18. 1a	
	19. c	19. b	19. 0	
	20. c	20. b	20. 0	
	21. b	21. c	21. 0	
	22. b	22. b		
	23. c	23. c		
	24. a	24. a		

Subject # C25 Age: 31-35 Married Female College 2 years	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. a	01. b	01. 0	L: 7
	02. a	02. a	02. 0	F: 6
	03. c	03. b	03. 0	K: 15
	04. a	04. b	04. 0	1: 5
	05. a	05. b	05. 0	2: 26
	06. a	06. a	06. 0	3: 23
	07. d	07. d	07. 1	4: 17
	08. c	08. b	08. 1	5: 36
	09. a	09. a	09. 0	6: 10
	10. b	10. a	10. 1	7: 17
	11. a	11. a	11. 0	8: 13
	12. b	12. b	12. 0	9: 15
	13. c	13. b	13. 1	0: 35
	14. a	14. a	14. 0	DEP: 5
	15. e	15. e	15. 1	
	16. e	16. e	16. 2a	
	17. b	17. b	17. 0	
	18. a	18. a	18. 0	
	19. c	19. b	19. 1	
	20. a	20. a	20. 1	
	21. a	21. a	21. 0	
	22. b	22. c		
	23. e	23. e		
	24. b	24. a		

Subject # D1	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
Age: 31-35	01. a	01. a	01. 0	L: 4
No answer	02. b	02. e	02. 0	F: 22
Female	03. a	03. a	03. 0	K: 15
No answer	04. b	04. b	04. 0	1: 19
	05. a	05. a	05. 0	2: 29
	06. c	06. a	06. 2	3: 29
	07. a	07. a	07. 0	4: 25
	08. a	08. a	08. 0	5: 34
	09. b	09. a	09. 0	6: 26
	10. c	10. c	10. 0	7: 29
	11. a	11. a	11. 0	8: 39
	12. c	12. c	12. 0	9: 25
	13. a	13. a	13. 1	0: 43
	14. e	14. e	14. 0	DEP: 17
	15. c	15. c	15. 0	
	16. b	16. b	16. 1b	
	17. a	17. a	17. 1	
	18. a	18. a	18. 0	
	19. a	19. a	19. 0	
	20. e	20. a	20. 0	
	21. a	21. a	21. 0	
	22. a	22. a		
	23. b	23. a		
	24. a	24. a		

Subject # D2	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
Age: 18-20	01. c	01. d	01. 2	L: 10
No answer	02. a	02. a	02. 2	F: 9
Female	03. b	03. c	03. 1	K: 12
No answer	04. c	04. b	04. 2	1: 11
	05. b	05. b	05. 0	2: 24
	06. c	06. b	06. 2	3: 20
	07. c	07. d	07. 2	4: 20
	08. c	08. c	08. 0	5: 23
	09. b	09. b	09. 1	6: 13
	10. c	10. c	10. 1	7: 22
	11. d	11. c	11. 2	8: 17
	12. c	12. d	12. 1	9: 23
	13. c	13. b	13. 1	0: 35
	14. a	14. a	14. 2	DEP: 14
	15. d	15. d	15. 2	
	16. d	16. c	16. 1a	
	17. b	17. b	17. 1	
	18. c	18. d	18. 2a	
	19. c	19. d	19. 1	
	20. b	20. b	20. 2	
	21. b	21. b	21. 0	
	22. c	22. c		
	23. d	23. d		
	24. b	24. a		

Subject # D3 Age: 31-35 Single Female BA/BS	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. c	01. b	01. 1	L: 4
	02. a	02. a	02. 0	F: 4
	03. b	03. c	03. 0	K: 17
	04. d	04. d	04. 0	1: 14
	05. d	05. c	05. 0	2: 26
	06. d	06. c	06. 0	3: 30
	07. d	07. c	07. 0	4: 22
	08. c	08. c	08. 0	5: 36
	09. c	09. c	09. 0	6: 9
	10. b	10. b	10. 0	7: 18
	11. e	11. c	11. 0	8: 21
	12. c	12. c	12. 0	9: 22
	13. c	13. c	13. 0	0: 32
	14. a	14. c	14. 0	DEP: 9
	15. d	15. c	15. 1	
	16. b	16. a	16. 1b	
	17. a	17. b	17. 1	
	18. b	18. c	18. 1b	
	19. b	19. a	19. 1	
	20. d	20. b	20. 1	
	21. c	21. d	21. 0	
	22. b	22. b		
	23. d	23. c		
	24. a	24. a		

Subject # D4 Age: 18-20 No answer Female HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. c	01. c	01. 1	L: 4
	02. a	02. a	02. 2	F: 12
	03. b	03. b	03. 2	K: 7
	04. e	04. b	04. 0	1: 14
	05. c	05. c	05. 1	2: 24
	06. c	06. b	06. 3	3: 17
	07. c	07. c	07. 0	4: 26
	08. e	08. c	08. 0	5: 32
	09. a	09. a	09. 0	6: 16
	10. c	10. c	10. 0	7: 21
	11. b	11. a	11. 3	8: 31
	12. b	12. c	12. 0	9: 25
	13. a	13. b	13. 0	0: 23
	14. a	14. b	14. 1	DEP: 15
	15. b	15. d	15. 0	
	16. c	16. b	16. 0	
	17. b	17. a	17. 1	
	18. c	18. d	18. 1b	
	19. c	19. c	19. 1	
	20. c	20. c	20. 1	
	21. c	21. a	21. 1	
	22. b	22. a		
	23. c	23. c		
	24. c	24. c		

Subject # D5 Age: 18-20 Seperated Female No answer	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. a	01. a	01. 0	L: 6
	02. a	02. a	02. 0	F: 4
	03. a	03. a	03. 0	K: 14
	04. b	04. b	04. 0	1: 9
	05. b	05. b	05. 0	2: 20
	06. b	06. a	06. 0	3: 27
	07. a	07. c	07. 0	4: 15
	08. b	08. b	08. 0	5: 39
	09. a	09. a	09. 0	6: 14
	10. a	10. a	10. 0	7: 8
	11. a	11. b	11. 0	8: 13
	12. b	12. b	12. 0	9: 18
	13. e	13. b	13. 0	0: 28
	14. a	14. a	14. 0	DEP: 3
	15. b	15. b	15. 0	
	16. b	16. b	16. 0	
	17. a	17. a	17. 0	
	18. a	18. b	18. 0	
	19. a	19. a	19. 1	
	20. b	20. b	20. 0	
	21. a	21. b	21. 0	
	22. a	22. a		
	23. c	23. c		
	24. a	24. b		

Subject # D6 Age: 21-25 Single Female BA/BS	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. c	01. a	01. 0	L: 10
	02. a	02. b	02. 3	F: 24
	03. c	03. c	03. 1	K: 15
	04. a	04. d	04. 1	1: 10
	05. b	05. e	05. 0	2: 23
	06. a	06. a	06. 1	3: 24
	07. a	07. b	07. 2	4: 29
	08. c	08. c	08. 3	5: 24
	09. a	09. d	09. 2	6: 20
	10. c	10. a	10. 3	7: 18
	11. a	11. a	11. 3	8: 40
	12. b	12. a	12. 0	9: 28
	13. c	13. c	13. 1	0: 29
	14. a	14. b	14. 2	DEP: 13
	15. a	15. b	15. 1	
	16. a	16. d	16. 1b	
	17. c	17. e	17. 3	
	18. a	18. a	18. 1a	
	19. a	19. c	19. 1	
	20. b	20. e	20. 3	
	21. c	21. a	21. 3	
	22. d	22. b		
	23. e	23. e		
	24. a	24. d		

Subject # D7 Age: 21-25 Single Male HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. c	01. c	01. 0	L: 2
	02. b	02. a	02. 0	F: 9
	03. c	03. c	03. 2	K: 11
	04. a	04. a	04. 1	1: 2
	05. a	05. b	05. 1	2: 17
	06. b	06. a	06. 0	3: 18
	07. b	07. a	07. 0	4: 28
	08. a	08. b	08. 0	5: 32
	09. b	09. b	09. 0	6: 8
	10. a	10. c	10. 0	7: 13
	11. a	11. b	11. 0	8: 14
	12. b	12. c	12. 0	9: 25
	13. c	13. b	13. 0	0: 16
	14. a	14. a	14. 0	DEP: 4
	15. c	15. c	15. 0	
	16. b	16. c	16. 0	
	17. a	17. b	17. 1	
	18. b	18. a	18. 0	
	19. a	19. a	19. 2	
	20. c	20. a	20. 0	
	21. a	21. a	21. 1	
	22. a	22. a		
	23. c	23. c		
	24. a	24. a		

Subject # D8 Age: 18-20 Engaged Female HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. c	01. c	01. 1	L: 4
	02. b	02. b	02. 1	F: 9
	03. d	03. d	03. 3	K: 7
	04. a	04. a	04. 1	1: 11
	05. a	05. a	05. 1	2: 32
	06. c	06. a	06. 0	3: 30
	07. b	07. b	07. 1	4: 30
	08. d	08. d	08. 3	5: 29
	09. a	09. a	09. 1	6: 16
	10. c	10. c	10. 1	7: 27
	11. a	11. a	11. 0	8: 33
	12. a	12. a	12. 1	9: 22
	13. a	13. a	13. 1	0: 36
	14. a	14. a	14. 1	DEP: 20
	15. c	15. b	15. 1	
	16. b	16. b	16. 1b	
	17. b	17. b	17. 0	
	18. a	18. a	18. 2a	
	19. d	19. d	19. 0	
	20. c	20. b	20. 0	
	21. b	21. b	21. 1	
	22. d	22. c		
	23. c	23. c		
	24. c	24. c		

Subject # D9	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
Age: 21-25	01. c	01. c	01. 0	L: 2
Engaged	02. a	02. a	02. 0	F: 7
Female	03. a	03. c	03. 0	K: 10
No answer	04. a	04. c	04. 0	1: 8
	05. b	05. b	05. 0	2: 14
	06. c	06. c	06. 0	3: 18
	07. c	07. c	07. 0	4: 27
	08. b	08. b	08. 1	5: 28
	09. a	09. a	09. 0	6: 9
	10. c	10. c	10. 1	7: 16
	11. a	11. b	11. 1	8: 16
	12. a	12. a	12. 0	9: 27
	13. c	13. c	13. 0	0: 20
	14. a	14. a	14. 0	DEP: 6
	15. c	15. c	15. 1	
	16. d	16. c	16. 1a	
	17. b	17. b	17. 1	
	18. c	18. b	18. 1b	
	19. c	19. c	19. 1	
	20. b	20. c	20. 1	
	21. c	21. b	21. 0	
	22. a	22. a		
	23. c	23. c		
	24. a	24. a		

Subject # D10 Age: 21-25 Divorced Female 9 th grade	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. c	01. c	01. 1	L: 5
	02. a	02. a	02. 0	F: 4
	03. a	03. c	03. 0	K: 10
	04. c	04. c	04. 0	1: 8
	05. c	05. b	05. 1	2: 16
	06. c	06. c	06. 0	3: 19
	07. c	07. c	07. 0	4: 21
	08. b	08. a	08. 0	5: 33
	09. c	09. b	09. 0	6: 12
	10. c	10. c	10. 1	7: 14
	11. c	11. c	11. 1	8: 11
	12. d	12. e	12. 0	9: 17
	13. e	13. c	13. 0	0: 19
	14. a	14. a	14. 0	DEP: 6
	15. c	15. b	15. 0	
	16. c	16. c	16. 1b	
	17. b	17. b	17. 1	
	18. d	18. b	18. 1a	
	19. c	19. c	19. 0	
	20. c	20. b	20. 1	
	21. c	21. c	21. 1	
	22. a	22. a		
	23. c	23. c		
	24. a	24. a		

Subject # D11	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
Age: 21-25	01. a	01. c	01. 0	L: 2
No answer	02. a	02. a	02. 1	F: 12
Male	03. c	03. c	03. 0	K: 15
HS diploma	04. c	04. b	04. 1	1: 9
	05. a	05. a	05. 1	2: 17
	06. a	06. a	06. 0	3: 19
	07. b	07. c	07. 0	4: 27
	08. c	08. b	08. 0	5: 27
	09. a	09. a	09. 1	6: 22
	10. a	10. e	10. 3	7: 26
	11. a	11. e	11. 0	8: 34
	12. e	12. e	12. 0	9: 30
	13. d	13. b	13. 1	0: 31
	14. a	14. a	14. 0	DEP: 15
	15. a	15. d	15. 0	
	16. a	16. a	16. 0	
	17. a	17. a	17. 0	
	18. e	18. a	18. 0	
	19. c	19. c	19. 2	
	20. a	20. b	20. 0	
	21. b	21. a	21. 1	
	22. a	22. b		
	23. c	23. d		
	24. a	24. a		

Subject # D12	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
Age: 31-35	01. a	01. a	01. 0	L: 3
Married	02. a	02. a	02. 0	F: 3
Female	03. c	03. c	03. 0	K: 10
College 2 years	04. b	04. b	04. 0	1: 8
	05. a	05. a	05. 1	2: 21
	06. c	06. a	06. 0	3: 13
	07. c	07. c	07. 0	4: 18
	08. b	08. b	08. 1	5: 42
	09. b	09. b	09. 0	6: 6
	10. a	10. b	10. 0	7: 16
	11. b	11. b	11. 0	8: 15
	12. c	12. c	12. 0	9: 15
	13. b	13. b	13. 0	0: 40
	14. a	14. a	14. 0	DEP: 5
	15. c	15. c	15. 0	
	16. d	16. b	16. 0	
	17. a	17. a	17. 0	
	18. a	18. b	18. 0	
	19. a	19. a	19. 0	
	20. d	20. b	20. 0	
	21. b	21. c	21. 1	
	22. b	22. c		
	23. c	23. c		
	24. b	24. b		

Subject # D13	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
Age: 25	01. b	01. b	01. 1	L: 5
Single	02. a	02. a	02. 0	F: 23
Male	03. a	03. b	03. 0	K: 11
HS diploma	04. c	04. c	04. 0	1: 13
	05. b	05. b	05. 0	2: 25
	06. b	06. b	06. 0	3: 17
	07. c	07. c	07. 0	4: 26
	08. c	08. b	08. 1	5: 29
	09. c	09. a	09. 2	6: 20
	10. c	10. c	10. 1	7: 25
	11. a	11. a	11. 2	8: 42
	12. b	12. b	12. 1	9: 26
	13. c	13. d	13. 1	0: 35
	14. c	14. b	14. 2	DEP: 12
	15. d	15. c	15. 1	
	16. b	16. c	16. 1b	
	17. b	17. b	17. 1	
	18. c	18. b	18. 1b	
	19. b	19. c	19. 1	
	20. c	20. c	20. 2	
	21. b	21. a	21. 0	
	22. c	22. b		
	23. c	23. c		
	24. b	24. a		

Subject # D14 Age: 18-20 Single Female HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. b	01. c	01. 1	L: 9
	02. a	02. a	02. 0	F: 9
	03. d	03. e	03. 1	K: 13
	04. a	04. a	04. 0	1: 10
	05. a	05. b	05. 2	2: 24
	06. a	06. b	06. 1	3: 19
	07. b	07. c	07. 0	4: 24
	08. b	08. c	08. 0	5: 28
	09. b	09. a	09. 0	6: 17
	10. a	10. c	10. 1	7: 20
	11. a	11. a	11. 0	8: 21
	12. c	12. c	12. 0	9: 21
	13. d	13. c	13. 0	0: 32
	14. a	14. a	14. 0	DEP: 12
	15. a	15. c	15. 0	
	16. d	16. b	16. 1b	
	17. a	17. e	17. 0	
	18. e	18. c	18. 2b	
	19. c	19. a	19. 0	
	20. a	20. a	20. 0	
	21. a	21. e	21. 2	
	22. c	22. a		
	23. b	23. c		
	24. c	24. a		

Subject # D15 Age: 18-20 single Female HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. a	01. c	01. 0	L: 5
	02. a	02. a	02. 1	F: 25
	03. a	03. a	03. 0	K: 13
	04. d	04. d	04. 1	1: 17
	05. e	05. a	05. 0	2: 26
	06. a	06. a	06. 0	3: 28
	07. a	07. a	07. 0	4: 23
	08. a	08. a	08. 0	5: 28
	09. b	09. b	09. 0	6: 19
	10. b	10. c	10. 0	7: 28
	11. a	11. a	11. 2	8: 25
	12. a	12. a	12. 0	9: 25
	13. c	13. c	13. 0	0: 36
	14. a	14. b	14. 0	DEP: 14
	15. e	15. c	15. 2	
	16. a	16. c	16. 1b	
	17. a	17. c	17. 0	
	18. a	18. c	18. 0	
	19. a	19. a	19. 0	
	20. a	20. d	20. 0	
	21. d	21. a	21. 1	
	22. a	22. a		
	23. a	23. c		
	24. a	24. a		

Subject # D16	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
Age: 26-30	01. a	01. a	01. 0	L: 5
Married	02. a	02. a	02. 0	F: 6
Male	03. a	03. a	03. 0	K: 11
Grad Student	04. a	04. a	04. 1	1: 10
	05. a	05. a	05. 0	2: 12
	06. a	06. a	06. 0	3: 18
	07. c	07. b	07. 0	4: 15
	08. c	08. c	08. 0	5: 18
	09. a	09. a	09. 0	6: 8
	10. b	10. a	10. 0	7: 14
	11. a	11. c	11. 0	8: 14
	12. d	12. d	12. 0	9: 25
	13. d	13. d	13. 0	0: 16
	14. a	14. a	14. 0	DEP: 3
	15. c	15. b	15. 0	
	16. b	16. a	16. 0	
	17. a	17. c	17. 0	
	18. a	18. a	18. 0	
	19. c	19. a	19. 1	
	20. a	20. a	20. 0	
	21. a	21. a	21. 0	
	22. a	22. a		
	23. c	23. b		
	24. a	24. a		

Subject # D17 Age: 21-25 Divorced Female 12 th grade	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. c	01. b	01. 1	L: 4
	02. a	02. a	02. 0	F: 6
	03. b	03. c	03. 0	K: 10
	04. c	04. b	04. 0	1: 12
	05. c	05. b	05. 1	2: 16
	06. c	06. b	06. 0	3: 21
	07. c	07. c	07. 0	4: 19
	08. c	08. a	08. 0	5: 36
	09. d	09. d	09. 0	6: 9
	10. c	10. c	10. 0	7: 14
	11. a	11. a	11. 1	8: 11
	12. c	12. d	12. 0	9: 19
	13. d	13. c	13. 0	0: 29
	14. a	14. a	14. 0	DEP: 6
	15. c	15. c	15. 1	
	16. b	16. c	16. 1b	
	17. b	17. b	17. 1	
	18. c	18. c	18. 1a	
	19. c	19. c	19. 0	
	20. b	20. c	20. 1	
	21. b	21. b	21. 1	
	22. b	22. a		
	23. c	23. c		
	24. a	24. a		

Subject # D18 Age: 26-30 Divorced Female BA/BS	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. a	01. a	01. 0	L: 6
	02. a	02. a	02. 0	F: 10
	03. a	03. a	03. 0	K: 15
	04. b	04. b	04. 0	1: 4
	05. b	05. b	05. 0	2: 27
	06. b	06. b	06. 0	3: 17
	07. a	07. a	07. 0	4: 20
	08. c	08. c	08. 0	5: 38
	09. b	09. b	09. 0	6: 9
	10. a	10. a	10. 0	7: 10
	11. a	11. a	11. 0	8: 13
	12. a	12. a	12. 0	9: 21
	13. a	13. a	13. 0	0: 16
	14. a	14. a	14. 0	DEP: 8
	15. c	15. c	15. 0	
	16. a	16. a	16. 1a	
	17. a	17. a	17. 0	
	18. a	18. c	18. 1a	
	19. a	19. b	19. 0	
	20. a	20. b	20. 1	
	21. b	21. b	21. 0	
	22. a	22. b		
	23. c	23. c		
	24. b	24. b		

Subject # D19	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
Age: 46-55	01. c	01. c	01. 1	L: 3
Married	02. b	02. b	02. 0	F: 13
Male	03. d	03. d	03. 1	K: 10
HS diploma	04. c	04. c	04. 1	1: 20
	05. c	05. c	05. 1	2: 31
	06. c	06. c	06. 1	3: 28
	07. a	07. a	07. 1	4: 30
	08. c	08. c	08. 1	5: 27
	09. a	09. a	09. 1	6: 16
	10. c	10. c	10. 1	7: 20
	11. b	11. b	11. 1	8: 26
	12. c	12. c	12. 0	9: 19
	13. a	13. a	13. 1	0: 33
	14. d	14. d	14. 2	DEP: 11
	15. e	15. e	15. 1	
	16. c	16. c	16. 0	
	17. b	17. b	17. 1	
	18. a	18. a	18. 1b	
	19. c	19. c	19. 1	
	20. b	20. b	20. 1	
	21. a	21. a	21. 1	
	22. a	22. a		
	23. c	23. c		
	24. b	24. b		

Subject # D20	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
Age: 18-20	01. c	01. b	01. 1	L: 6
Single	02. a	02. a	02. 0	F: 2
Female	03. a	03. d	03. 0	K: 18
HS diploma	04. b	04. a	04. 0	1: 6
	05. a	05. a	05. 0	2: 16
	06. a	06. a	06. 1	3: 21
	07. a	07. a	07. 0	4: 28
	08. c	08. a	08. 0	5: 30
	09. a	09. a	09. 0	6: 10
	10. a	10. a	10. 0	7: 6
	11. a	11. a	11. 0	8: 13
	12. a	12. a	12. 0	9: 25
	13. b	13. c	13. 0	0: 16
	14. a	14. a	14. 0	DEP: 5
	15. a	15. a	15. 0	
	16. b	16. b	16. 0	
	17. a	17. a	17. 0	
	18. c	18. d	18. 0	
	19. c	19. c	19. 0	
	20. a	20. a	20. 0	
	21. a	21. a	21. 0	
	22. a	22. a		
	23. a	23. a		
	24. a	24. a		

Subject # D21 Age: 36-45 Married Male Grad Student	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. b	01. b	01. 0	L: 2
	02. c	02. c	02. 0	F: 7
	03. a	03. b	03. 0	K: 13
	04. b	04. a	04. 0	1: 4
	05. a	05. a	05. 0	2: 14
	06. a	06. a	06. 0	3: 21
	07. c	07. c	07. 0	4: 19
	08. a	08. a	08. 0	5: 30
	09. a	09. a	09. 1	6: 11
	10. b	10. b	10. 0	7: 14
	11. a	11. a	11. 0	8: 29
	12. c	12. c	12. 0	9: 26
	13. b	13. c	13. 0	0: 13
	14. a	14. a	14. 0	DEP: 8
	15. c	15. c	15. 0	
	16. a	16. a	16. 0	
	17. a	17. a	17. 0	
	18. b	18. c	18. 0	
	19. a	19. a	19. 0	
	20. a	20. a	20. 0	
	21. a	21. a	21. 0	
	22. a	22. a		
	23. c	23. c		
	24. a	24. a		

Subject # D22	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
Age: 26-30	01. d	01. c	01. 3	L: 1
Single	02. a	02. a	02. 1	F: 7
Female	03. d	03. a	03. 2	K: 10
College 2 years	04. b	04. c	04. 1	1: 14
	05. b	05. b	05. 1	2: 22
	06. b	06. b	06. 3	3: 23
	07. b	07. c	07. 1	4: 30
	08. c	08. c	08. 1	5: 39
	09. a	09. a	09. 0	6: 23
	10. c	10. d	10. 2	7: 22
	11. a	11. a	11. 1	8: 27
	12. c	12. a	12. 0	9: 23
	13. c	13. a	13. 1	0: 31
	14. a	14. b	14. 2	DEP: 14
	15. c	15. c	15. 1	
	16. e	16. e	16. 1b	
	17. a	17. a	17. 2	
	18. b	18. a	18. 1a	
	19. b	19. c	19. 1	
	20. b	20. c	20. 2	
	21. a	21. b	21. 0	
	22. b	22. c		
	23. b	23. b		
	24. b	24. c		

Subject # D23 Age: 18-20 Single Female HS diploma	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. c	01. b	01. 1	L: 3
	02. a	02. a	02. 1	F: 23
	03. c	03. e	03. 2	K: 9
	04. d	04. d	04. 1	1: 17
	05. c	05. b	05. 1	2: 28
	06. c	06. b	06. 2	3: 28
	07. c	07. a	07. 2	4: 35
	08. c	08. b	08. 1	5: 31
	09. a	09. a	09. 0	6: 20
	10. b	10. b	10. 1	7: 32
	11. b	11. b	11. 0	8: 40
	12. c	12. c	12. 1	9: 29
	13. c	13. c	13. 2	0: 29
	14. e	14. e	14. 2	DEP: 21
	15. b	15. c	15. 1	
	16. a	16. c	16. 1b	
	17. b	17. b	17. 2	
	18. d	18. b	18. 3b	
	19. c	19. c	19. 1	
	20. c	20. d	20. 2	
	21. d	21. d	21. 0	
	22. b	22. c		
	23. b	23. c		
	24. c	24. c		

Subject # D24 Age: 56-65 Married Female MA	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
	01. c	01. b	01. 0	L: 11
	02. a	02. a	02. 1	F: 9
	03. c	03. c	03. 1	K: 13
	04. c	04. b	04. 1	1: 11
	05. a	05. a	05. 0	2: 27
	06. a	06. a	06. 1	3: 26
	07. c	07. c	07. 0	4: 25
	08. a	08. b	08. 0	5: 32
	09. b	09. b	09. 0	6: 16
	10. a	10. c	10. 0	7: 15
	11. a	11. b	11. 1	8: 23
	12. a	12. c	12. 1	9: 20
	13. a	13. e	13. 0	0: 32
	14. a	14. c	14. 0	DEP: 8
	15. a	15. c	15. 0	
	16. b	16. b	16. 0	
	17. d	17. a	17. 0	
	18. a	18. a	18. 0	
	19. c	19. a	19. 1	
	20. b	20. a	20. 0	
	21. a	21. a	21. 1	
	22. b	22. a		
	23. c	23. b		
	24. b	24. b		

Subject # D25	MTI A	MTI B	BDI -II	MMPI-2 (raw score w/o K)
Age: 26-30	01. c	01. d	01. 1	L: 9
No answer	02. a	02. a	02. 0	F: 31
Female	03. c	03. c	03. 2	K: 12
HS diploma	04. b	04. b	04. 2	1: 16
	05. a	05. b	05. 1	2: 34
	06. e	06. b	06. 0	3: 30
	07. c	07. d	07. 0	4: 29
	08. c	08. b	08. 1	5: 27
	09. d	09. d	09. 0	6: 14
	10. a	10. e	10. 3	7: 23
	11. a	11. a	11. 1	8: 28
	12. a	12. a	12. 0	9: 18
	13. a	13. b	13. 1	0: 30
	14. a	14. a	14. 0	DEP: 18
	15. e	15. d	15. 0	
	16. a	16. c	16. 1b	
	17. a	17. d	17. 1	
	18. a	18. a	18. 0	
	19. c	19. c	19. 2	
	20. c	20. e	20. 1	
	21. c	21. b	21. 0	
	22. c	22. c		
	23. d	23. d		
	24. b	24. a		

Appendix C Demographic Survey

MTI Demographic Survey					
Age:	Marital Status		Educational Level		Gender
18-20	Single never married		H.S. Diploma GED		Female:
	Engaged		College 1 year		
21-25	Cohabiting		College 2 year		
26-30	Married		College 3 year		
31-35	Separated		College 4 year		
36-45	Divorced		B.A./ B.S. degree		Male:
	Remarried		Grad. Student		
56-65	Widowed		M.A.		
	Other		Ph. D.		

Appendix D Informed Consent Form

Informed Consent Form

This consent form is for participation in the Mood Type Indicator Test Study, which is a thesis proposed at Marshal University Graduate College, Summer Session 2000. This test consists of 27 multiple choice questions and has two forms A and B which will both be taken.. Additionally I am to complete the BDI-II, and the MMPI-2, which are established published tests. The time required to complete these four tests is usually about 2 Hours 30 Minuets.

This is an Experimental Test. I understand that my participation is voluntary. I understand that I may discontinue taking the test at any time if I choose and that it will have no effect on myself.

I am aware that the test is experimental and I will not receive any results. I am also aware that all test results will be kept anonymous. I also certify I am over 18 years of age.

_____ / /
Name Signature Date

_____ / /
Examiner=s Name Signature Date

Vita

John Paul Hissom

I am currently employed at the Charleston Job Corps Center as a counselor; I have been here from May of 1997. I manage a caseload of about 70 students. Aged 16 to 25, I help them set goals and evaluate their educational and vocational progress. I counsel them on a variety of issues including but not limited to relationships, learning difficulties, independent living skills, and emotional and psychological problems. I train staff, create plans for educational and behavioral needs. I design documents, hold special topic groups, and have for the past year worked closely with the addictions counselor, and our substance abuse population as a focus for those groups. I intervene with and evaluate students in crisis, act as an escort to students at risk. I document, file, analyze and disseminate information to pertinent staff. I act as a liaison with other agencies to meet student and center needs, and consult with other center staff, outside services, and professionals. I have also received an award for inventing a better evaluation system for reviewing behavioral job skills.

My previous employment includes working for Children's Home Society as a in-home social worker, where I provided in home social services to families in need. I screened clients, evaluated their needs and created a plan with them to meet those needs. Examples include but are not limited to dealing with truant and behaviorally challenged teens, helping to advocate for educational services for children with learning disabilities, and supervise home quality with reports back to the court system to determine physical and legal custody issues.

I have also held positions as an emotional crisis hotline volunteer, behavioral health technician (BHT), with a variety of populations including mentally, impaired chronically mentally ill, and in home with emotionally disturbed children in their biological homes and in specialized foster care. I have worked as a case manger supervising B H T's and foster parents, and have worked as a foster parent in a pre-independent living home and a group home community setting.

I earned my B.A. in psychology from West Virginia State College (now University), after having transferred there from Mount Vernon Nazarene College (now University). I studied for my M.A at Marshall University Graduate College.