A SCORING AND INTERPRETATION PROGRAM FOR THE MMPI-2 FAKE BAD SCALE (FBS)

INSTRUCTIONS:

Enter the item responses below. Then go to the "Interpretation" worksheet for help in *Note: This scoring form will not work correctly if there are missing items.* If you already have the raw score, go directly to the Interpretation page and enter the

Total FBS Score

0

| Item | Response (1 = TRUE | , 2 = FALSE) |
|------|--------------------|--------------|
| 11 | | ĺ |
| 12 | | |
| 18 | | |
| 28 | | |
| 30 | | |
| 31 | | |
| 39 | | |
| 40 | | |
| 41 | | |
| 44 | | |
| 57 | | |
| 58 | | |
| 59 | | |
| 81 | | |
| 110 | | |
| 111 | | |
| 117 | | |
| 152 | | |

Revised April 15, 20

Note: This program is The author assumes or interpretation, and The user is responsil scored and interprete Tolin, D.F. (2005). A s Fake Bad Scale (FBs

| 164 176 224 227 248 249 250 252 255 264 274 284 325 339 362 373 374 419 433 464 469 496 505 506 501 |
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| 496 505 506 |
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| 561 |
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Original scale citation: Lees-Haley P.R., English L.T., & Glenn W.J. (1991). A Fake Bad Scale on the MMPI-2 for personal injury claimants. Psychological Reports, 68, 203-210.

Examinee's Name (Optional):

Scoring program developed by David Tolin, Ph.D. Please send comments to dtolin@harthosp.org.



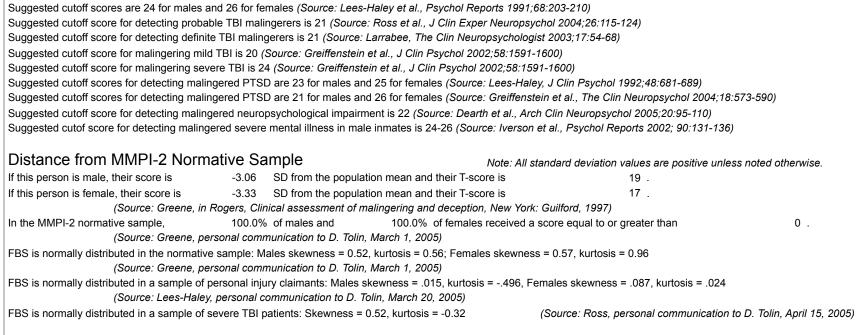
FBS Total Score

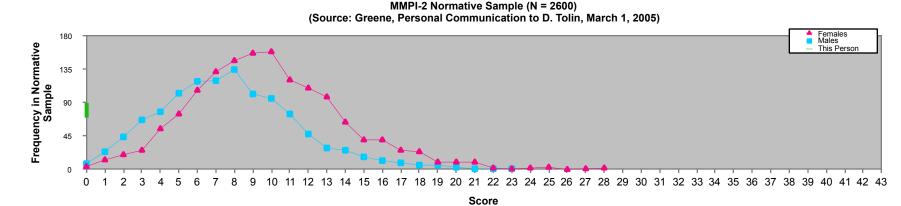


If you have calculated the total score from another program, you can enter it directly. Otherwise, this score is taken automatically from the Scoring page of this program.

0

Suggested Cutoff Scores





| Distance f | rom Other F | Populations | | |
|---------------|-------------|--|------------------|--|
| This score is | -3.16 | SD from the mean of a sample of 258 worker's compensation a | pplicants. | |
| This score is | -3.33 | SD from the mean of a sample of 88 psychiatric patients. | | |
| This score is | -2.60 | SD from the mean of a sample of 45 people on criminal probati | on. | |
| This score is | -4.21 | SD from the mean of a sample of 132 job applicants. | | |
| | | (Source: Fox, personal communication to D. Tolin, March 2, 200 | 05) | |
| This score is | -3.47 | SD from the mean of a sample of 100 patients with reported co | • • | 5 |
| This score is | -3.58 | SD from the mean of a sample of 100 patients with reported co | • • | nent who were involved in litigation. |
| | | (Source: Meyers et al., Arch Clin Neuropsychol 2002; 17:157-1 | 69) | |
| This score is | -4.60 | SD from the mean of female custody litigants and | -4.60 | SD from the mean of male custody litigants (no alleged child abuse). |
| This score is | -4.19 | SD from the mean of female custody litigants and | -4.39 | SD from the mean of male custody litigants (alleged physical abuse). |
| This score is | -4.57 | SD from the mean of female custody litigants and | -4.35 | SD from the mean of male custody litigants (alleged sexual abuse). |
| This score is | -3.23 | SD from the mean of female personal injury litigants and | -3.23 | SD from the mean of male personal injury litigants. |
| | | (Source: Posthuma & Harper, Prof Psychol: Res & Pract 1998;2 | , | |
| | | (Note: Gender-specific N's not reported. Custody litigants/no a | buse N = 80; c | ustody litigants/alleged abuse N = 108; personal injury N = 95) |
| This score is | -3.10 | SD from the mean of 492 personal injury litigants claiming impa | irment from pl | nysical or psychological trauma. |
| | | (Source: Lees-Haley, J Clin Psychol 1997; 53:745-755) | | |
| This score is | -3.31 | SD from the mean of a sample of 120 psychiatric clinic patients | who were inv | olved in litigation. |
| This score is | -3.00 | SD from the mean of a sample of 208 psychiatric clinic patients | who were not | involved in litigation. |
| This score is | -3.44 | SD from the mean of a sample of 43 control participants with no | o history of psy | chological disorder. |
| | | (Source: Tsushima & Tsushima, Assessment 2001; 8:205-212) | | |
| This score is | -2.01 | SD from the mean of a sample of 20 male medical patients beir | ng assessed fo | or organ transplant. |
| This score is | -2.44 | SD from the mean of a sample of 25 male veterans in substance | e abuse treatr | nent. |
| | | (Source: Iverson et al., Psychol Reports 2002; 90:131-136) | | |
| Distance f | rom Probab | le Malingering and Non-Malingering Group | S | |
| This score is | -5.87 | SD from the mean of a sample of 25 personal injury litigants jud | lged to be mal | ingering (based on FBS \geq 20). |
| This score is | -3.83 | SD from the mean of a sample of 20 personal injury litigants jud | - | |
| This score is | -3.88 | SD from the mean of a sample of 16 medical outpatients instruc | - | |
| This score is | -2.19 | SD from the mean of a sample of 15 medical outpatients instruc | | |
| This score is | -3.38 | SD from the mean of a sample of 36 medical outpatients instruct | cted to simulat | e emotional distress from job stress. |
| This score is | -2.94 | SD from the total mean of 67 medical outpatients instructed to s | simulate emoti | onal distress. |
| | | (Source: Lees-Haley et al., Psychol Reports 1991;68:203-210) | | |
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| I | | |
|--------------------------------|----------------|--|
| This score is This score is | -3.14 -5.59 | SD from the mean of a sample of 59 TBI patients who are not seeking compensation. SD from the mean of a sample of 59 patients seeking compensation for mild TBI who scored poorly on a malingering test. (Source: Ross et al., J Clin Exper Neuropsychol 2004;26:115-124) |
| This score is This score is | -8.36 -4.72 | SD from the mean of males with probable PTSD and-9.16SD from the mean of 33 females with probable PTSD.SD from the mean of 26 males who appear to malinger PTSD and (Source: Greiffenstein et al., The Clin Neuropsychol 2004;18:573-590)-9.16SD from the mean of 31 females who appear to malinger PTSD. |
| This score is | -3.43 | SD from the mean of a sample of 64 personal injury litigants claiming non-PTSD psychological distress. |
| This score is | -5.23 | SD from the mean of a sample of 55 personal injury litigants appearing to malinger PTSD (e.g., trauma clearly did not meet DSM IIIR criterion A). (Source: Lees-Haley, J Clin Psychol 1992;48:681-689) |
| This score is | -5.61 | SD from the mean of a a sample of 33 people claiming neuropsychological impairment who scored poorly on a malingering test. (Source: Larrabee, Arch Clin Neuropsychol 2003;18:673-686) |
| This score is | -5.12 | SD from the mean of a sample of 24 definite neuropsychological malingerers. |
| This score is | -4.69 | SD from the mean of a sample of 17 definite neuropsychological malingerers. |
| This score is | -3.16 | SD from the mean of a sample of 54 patients with moderate/severe TBI, psychiatric disorder, or mixed neurologic diagnoses. |
| | | (Source: Larrabee, The Clin Neuropsychol 2003;17:410-425; |
| | | additional data from this study found in Larrabee, Forensic Neuropsychology: A Scientific Approach, New York: Oxford, 2005 p. 128) |
| This score is | -3.40 | SD from the mean of a sample of 23 TBI patients instructed to malinger TBI. |
| This score is | -2.27 | SD from the mean of a sample of 23 TBI patients instructed to respond honestly. |
| This score is | -3.70 | SD from the mean of a sample of 23 healthy volunteers instructed to malinger TBI. |
| This score is | -2.96 | SD from the mean of a sample of 23 healthy volunteers instructed to respond honestly. |
| | | (Source: Dearth et al., Arch Clin Neuropsychol 2005;20:95-110) |
| This score is | -4.83 | SD from the mean of a sample of 26 people claiming neuropsychological impairment who scored poorly on a malingering test. |
| This score is | -2.60 | SD from the mean of a sample of 29 known TBI patients. |
| | | (Source: Larrabee, The Clin Neuropsychol 2003;17:54-68) |
| This score is | -2.39 | SD from the mean of a sample of 25 male minimum security prison inmates. |
| This score is | -3.72 | SD from the mean of a sample of 25 male minimum security prison inmates instructed to malinger severe psychiatric problems. |
| | | (Source: Iverson et al., Psychol Reports 2002; 90:131-136) |
| This score is | -3.80 | SD from the mean of a sample of 42 patients with chronic psychiatric problems instructed to respond normally. |
| This score is | -4.35 | SD from the same sample of 42 psychiatric patients instructed to malinger severe psychiatric problems. |
| | | (Source: Rogers et al., Assessment 1995; 2:81-89) |
| This score is | -3.42 | SD from the mean of a sample of 61 patients with PTSD (validity of diagnosis not checked). |

| This score is | -4.98 | SD from the mean of a sample of 35 college st | - | | |
|---|---|--|---|--|-----------|
| | -5.43 | | • | r PTSD who were coached about PTSD symptoms. | |
| This score is | -5.15 | | • | r PTSD who were coached about MMPI-2 validity scal | |
| This score is | -3.20 | SD from the mean of a sample of 37 college st (Source: Bury & Bagby, Psychol Assess 2002; | = | r PTSD who were coached about PTSD and validity so | cales. |
| This score is | -3.99 | SD from the mean of a sample of 159 mild TBI | plaintiffs with illogical sympto | om histories. | |
| This score is | -2.73 | SD from the mean of a sample of 68 patients w (Source: Greiffenstein et al., J Clin Psychol 200 | | o severe TBI. | |
| This score is | -4.00 | SD from the mean of a sample of 48 patients w | vith major depressive disorde | er. | |
| This score is | -6.45 | SD from the mean of a sample of 23 mental he | alth professionals instructed | to malinger major depressive disorder. | |
| This score is | -2.80 | SD from the mean of a sample of 50 psychiatri (Source: Bagby et al., Assessment 2000; 7:55- | • | ner than major depressive disorder. | |
| This score is | -5.64 | SD from the mean of a sample of 85 undergrad | Ŭ | | |
| This score is | -4.90 | SD from the mean of a sample of 64 outpatient (Source: Elhai et al., Assessment 2001; 8: 221 | | hild sexual abuse. | |
| Sensitivity and Spe In a comparison of | ecificity mild TBI pati | ents and patients seeking compensation for mild | | 5 6 1 | 0 |
| Sensitivity and Spe In a comparison of 100.0% of proba | ecificity mild TBI pati able malinger (Source: I | ents and patients seeking compensation for mild ers obtained a score greater than or equal to Ross et al., J Clin Exper Neuropsychol 2004;26:1 | 0 , and (15-124) | malingering test, 0.0% of TBI patients scored below | 0 |
| 100.0% of proba | ecificity mild TBI pati- able malinger (Source: I | ents and patients seeking compensation for mild ers obtained a score greater than or equal to Ross et al., J Clin Exper Neuropsychol 2004;26:1 injury patients and definite neuropsychological m | 0 , and (15-124) nalingerers, | 0.0% of TBI patients scored below | 0. |
| Sensitivity and Spe In a comparison of 100.0% of proba In a comparison of | ecificity mild TBI pati- able malinger (Source: I closed head ite malingerer | ents and patients seeking compensation for mild ers obtained a score greater than or equal to Ross et al., J Clin Exper Neuropsychol 2004;26:1 | 0, and (15-124) nalingerers, 0, and | 5 6 1 | |
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| Sensitivity and Spe In a comparison of 100.0% of proba In a comparison of 100.0% of defini Positive and Negat These analyses va of either a 25% or | ecificity mild TBI pati- able malinger (Source: I closed head ite malingerer (Source: I tive Predictive my according 50% base rat | ents and patients seeking compensation for mild ers obtained a score greater than or equal to <i>Ross et al., J Clin Exper Neuropsychol 2004;26:1</i> injury patients and definite neuropsychological m rs obtained a score greater than or equal to <i>Larrabee, The Clin Neuropsychol 2003;17:54-68,</i> <i>Power</i> to the presumed base rate of malingering in the p e of malingering. | 0 , and (15-124) nalingerers, 0 , and population. The interpretation | 0.0% of TBI patients scored below0.0% of TBI patients scored below | |
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| Sensitivity and Spe n a comparison of 100.0% of proba n a comparison of 100.0% of defini Positive and Negat These analyses va of either a 25% or n a comparison of Assuming a 50% b a score of a score of a score of | ecificity mild TBI pati- able malinger (Source: I closed head ite malingerer (Source: I tive Predictive my according 50% base rate 48 probable base rate of m 0 0 0 | ents and patients seeking compensation for mild ers obtained a score greater than or equal to <i>Ross et al., J Clin Exper Neuropsychol 2004;26:1</i> injury patients and definite neuropsychological m rs obtained a score greater than or equal to <i>Larrabee, The Clin Neuropsychol 2003;17:54-68,</i> <i>e Power</i> to the presumed base rate of malingering in the p e of malingering. PTSD cases and 57 probable PTSD malingerers halingering: or higher meant that the person had a or higher meant that the person had a or lower meant that the person had a | 0 , and (15-124) oppulation. The interpretation , Below range* Below range* Below range* Below range | 0.0% of TBI patients scored below 0.0% of TBI patients scored below ns here allow for the assumption chance of being in the malingering group (females chance of being in the malingering group (males). chance of being in the PTSD group (females). | 0 5). |
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a score of 0 or lower meant that the person had a Below range* chance of being in the PTSD group (males).

(Source: Greiffenstein et al., The Clin Neuropsychol 2004;18:573-590)

*Notes: "Below range" means that this person scored lower than did anyone in the study sample. A 0% probability of being in the malingering group might be inferred. "Above range" means that this person scored higher than did anyone in the study sample. A 100% probability of being in the malingering group might be inferred. Fake Bad Scale Interpretation Page

References

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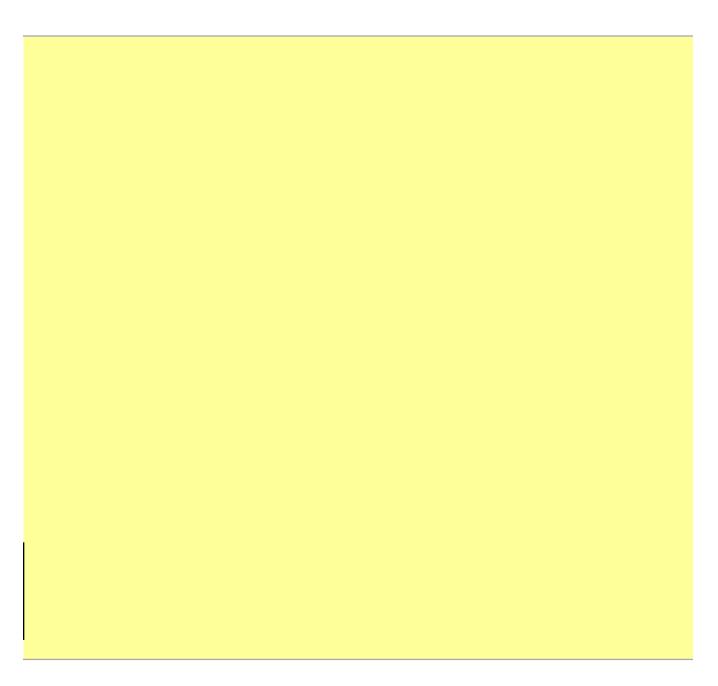
Tsushima, W.T. & Tsushima, V.G. (2001). Comparison of the Fake Bad Scale and other MMPI-2 validity scales with

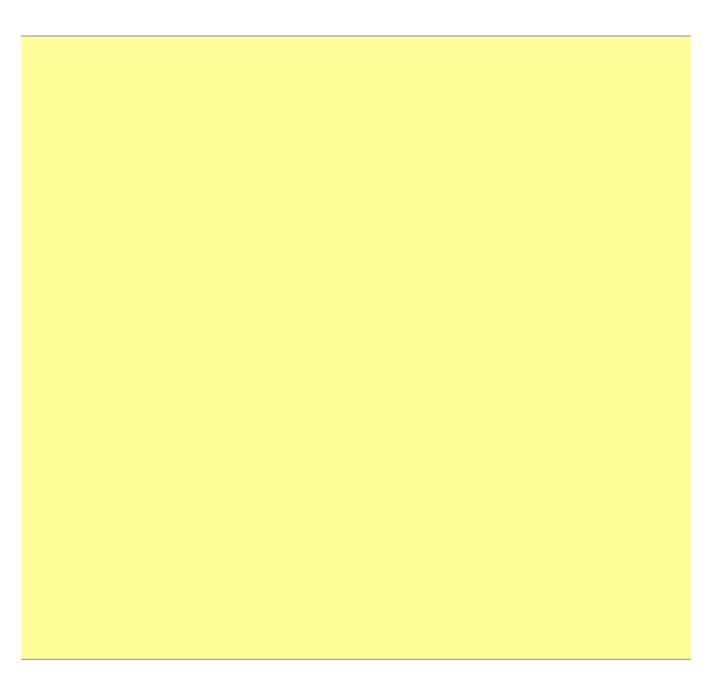
Answer Key to the FBS:

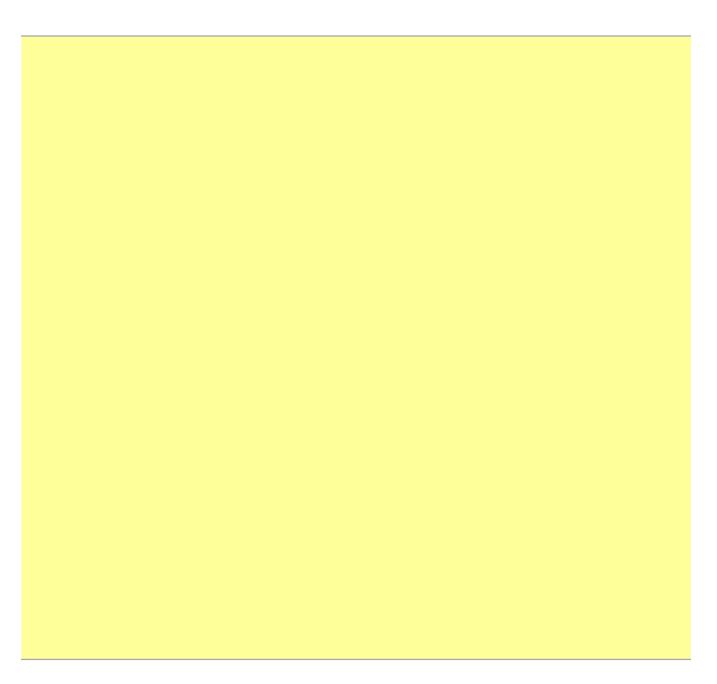
Following are the MMPI-2 items and scored direction of answering for the Fake Bad Scale (FBS):

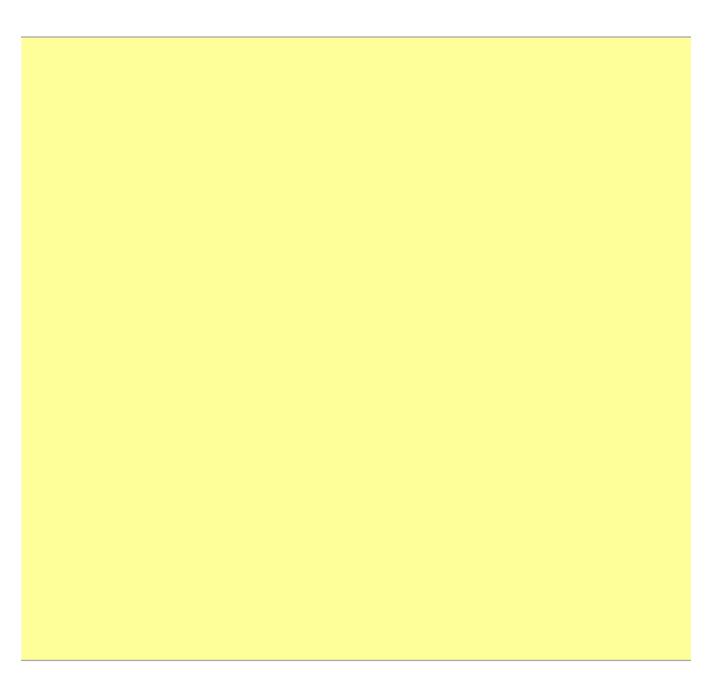
Add one point if marked True: 11, 18, 28, 30, 31, 39, 40, 44, 59, 111, 252, 274, 325, 339,

Add one point if marked False: 12, 41, 57, 58, 81, 110, 117, 152, 164, 176, 224, 227, 24









| Ross et al. | | | Greiffenste | ein et al. | | | | | | |
|-------------|-------------|-------------|----------------|---------------|------------|--------------|------------|-------------|-------------|------------|
| Score | Sensitivity | Specificity | | PPP Fema | les | | | | | |
| 0 | 1 | 0 | Base rate | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | 1 | 0 | 0.5 | 5 Below rang | Below rang | Below rang | Below rang | Below range | Below range | Below rang |
| 2 | 1 | 0 | 0.2 | 5 Below rang | Below rang | Below rang | Below rang | Below range | Below range | Below rang |
| 3 | 1 | 0 | | PPP Males | i | | | | | |
| 4 | 1 | 0 | Base rate | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
| 5 | 1 | 0 | 0.5 | 5 Below rang | Below rang | Below rang | Below rang | Below range | Below range | Below rang |
| 6 | 1 | 0 | 0.2 | 5 Below rang | Below rang | Below rang | Below rang | Below range | Below range | Below rang |
| 7 | 1 | 0 | | NPP Fema | les | | | | | |
| 8 | 1 | 0.034 | Base rate | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
| 9 | 1 | 0.051 | 0.5 | 5 Below rang | Below rang | Below rang | Below rang | Below range | Below range | Below rang |
| 10 | 1 | 0.102 | 0.2 | 5 Below rang | Below rang | Below rang | Below rang | Below range | Below range | Below rang |
| 11 | 1 | 0.254 | | NPP Males | | | | | | |
| 12 | 1 | 0.322 | Base rate | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
| 13 | 1 | 0.356 | 0.5 | 5 Below rang | Below rang | Below rang | Below rang | Below range | Below range | Below rang |
| 14 | 1 | 0.475 | 0.2 | 5 Below rang | Below rang | Below rang | Below rang | Below range | Below range | Below rang |
| 15 | 1 | 0.559 | | | | | | | | |
| 16 | 1 | 0.593 | | | | | | | | |
| 17 | 1 | 0.61 | Greene: F | requencies in | the MMPI2 | Normative \$ | Sample | | | |
| 18 | 1 | 0.746 | | Males | Females | Cum male | | Pct_male | Pct fem | Inv_pct_m |
| 19 | 0.983 | 0.797 | 0 | 0 | 0 | 0 | 0 | 0.00% | 0.00% | 100.00% |
| 20 | 0.949 | 0.547 | 1 | 0 | 0 | 0 | 0 | 0.00% | 0.00% | 100.00% |
| 21 | 0.898 | 0.898 | 2 | 0 | 0 | 0 | 0 | 0.00% | 0.00% | 100.00% |
| 22 | 0.881 | 0.915 | | 3 8 | 3 | 8 | 3 | 0.70% | 0.21% | 99.30% |
| 23 | 0.881 | 0.9449 | 4 | 1 8 | 4 | 16 | 7 | 1.41% | 0.48% | 98.59% |
| 24 | 0.847 | 0.949 | | 5 24 | 13 | 40 | 20 | 3.51% | 1.37% | 96.49% |
| 25 | 0.814 | 0.949 | | 6 44 | 20 | 84 | 40 | 7.38% | 2.74% | 92.62% |
| 26 | 0.712 | 0.983 | | 7 67 | 26 | 151 | 66 | 13.27% | 4.51% | 86.73% |
| 27 | 0.661 | 1 | 8 | 3 78 | 55 | 229 | 121 | 20.12% | 8.28% | 79.88% |
| 28 | 0.593 | 1 | | 9 103 | 75 | 332 | 196 | 29.17% | 13.41% | 70.83% |
| 29 | 0.508 | 1 | 1(|) 119 | 107 | 451 | 303 | 39.63% | 20.73% | 60.37% |
| 30 | 0.424 | | 1 ⁻ | | | 571 | 435 | 50.18% | 29.75% | 49.82% |
| 31 | 0.407 | | 12 | - | | 706 | 582 | 62.04% | 39.81% | 37.96% |

| 32 | 0.322 | 1 | | 13 | 102 | 157 | 808 | 739 | 71.00% | 50.55% | 29.00% |
|-------------|-------------|-------------|--------|--------|-----|-----|------|------|---------|---------|--------|
| 33 | 0.203 | 1 | | 14 | 96 | 159 | 904 | 898 | 79.44% | 61.42% | 20.56% |
| 34 | 0.169 | 1 | | 15 | 75 | 121 | 979 | 1019 | 86.03% | 69.70% | 13.97% |
| 35 | 0.153 | 1 | | 16 | 48 | 110 | 1027 | 1129 | 90.25% | 77.22% | 9.75% |
| 36 | 0.102 | 1 | | 17 | 29 | 98 | 1056 | 1227 | 92.79% | 83.93% | 7.21% |
| 37 | 0.068 | 1 | | 18 | 26 | 64 | 1082 | 1291 | 95.08% | 88.30% | 4.92% |
| 38 | 0.034 | 1 | | 19 | 17 | 40 | 1099 | 1331 | 96.57% | 91.04% | 3.43% |
| 39 | 0.064 | 1 | | 20 | 12 | 40 | 1111 | 1371 | 97.63% | 93.78% | 2.37% |
| 40 | 0 | 1 | | 21 | 9 | 26 | 1120 | 1397 | 98.42% | 95.55% | 1.58% |
| 41 | 0 | 1 | | 22 | 6 | 24 | 1126 | 1421 | 98.95% | 97.20% | 1.05% |
| 42 | 0 | 1 | | 23 | 6 | 10 | 1132 | 1431 | 99.47% | 97.88% | 0.53% |
| 43 | 0 | 1 | | 24 | 3 | 10 | 1135 | 1441 | 99.74% | 98.56% | 0.26% |
| | | | | 25 | 1 | 10 | 1136 | 1451 | 99.82% | 99.25% | 0.18% |
| Larrabee et | t al. | | | 26 | 1 | 2 | 1137 | 1453 | 99.91% | 99.38% | 0.09% |
| Score | Sensitivity | Specificity | | 27 | 1 | 1 | 1138 | 1454 | 100.00% | 99.45% | 0.00% |
| 0 | 1 | 0 | | 28 | | 2 | 1138 | 1456 | 100.00% | 99.59% | 0.00% |
| 1 | 1 | 0 | | 29 | | 3 | 1138 | 1459 | 100.00% | 99.79% | 0.00% |
| 2 | 1 | 0 | | 30 | | 0 | 1138 | 1459 | 100.00% | 99.79% | 0.00% |
| 3 | 1 | 0 | | 31 | | 1 | 1138 | 1460 | 100.00% | 99.86% | 0.00% |
| 4 | 1 | 0 | | 32 | | 2 | 1138 | 1462 | 100.00% | 100.00% | 0.00% |
| 5 | 1 | 0.034 | | 33 | | | | | | | 0.00% |
| 6 | 1 | 0.034 | | 34 | | | | | | | 0.00% |
| 7 | 1 | 0.034 | | 35 | | | | | | | 0.00% |
| 8 | 1 | 0.138 | | 36 | | | | | | | 0.00% |
| 9 | 1 | 0.138 | | 37 | | | | | | | 0.00% |
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| 17 | 0.962 | 0.552 | | 0 | 80 | | | | | | |
| 18 | 0.923 | 0.552 | | | | | | | | | |

| 19 | 0.923 | 0.69 | | | | | |
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| 20 | 0.923 | 0.793 | | | | | |
| 21 | 0.808 | 0.862 | | | | | |
| 22 | 0.808 | 0.862 | | | | | |
| 23 | 0.692 | 0.862 | | | | | |
| 24 | 0.615 | 0.862 | | | | | |
| 25 | 0.615 | 0.931 | | | | | |
| 26 | 0.538 | 0.966 | | | | | |
| 27 | 0.5 | 0.966 | | | | | |
| 28 | 0.5 | 0.966 | | | | | |
| 29 | 0.423 | 0.966 | | | | | |
| 30 | 0.385 | 0.966 | | | | | |
| 31 | 0.308 | 1 | | | | | |
| 32 | 0.192 | 1 | | | | | |
| 33 | 0.115 | 1 | | | | | |
| 34 | 0.115 | 1 | | | | | |
| 35 | 0.038 | 1 | | | | | |
| 36 | 0 | 1 | | | | | |
| 37 | 0 | 1 | | | | | |
| 38 | 0 | 1 | | | | | |
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| | | Below rang | | | | | | 0.87 | 0.87 | 0.92 | 0.95 |
| | | Below rang | | - | | | | 0.69 | 0.68 | 0.92 | 0.95 |
| Delow rang | 0.03 | 0.03 | 0.00 | 0.71 | 0.00 |
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| Below rang | Below rang | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.65 | 0.78 | 0.87 | 1 |
| Below rang | Below rang | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.38 | 0.54 | 0.69 | 1 |
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| 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| Below rang | 0.82 | 0.78 | 0.72 | 0.64 | 0.61 |
| Below rang | 0.93 | 0.89 | 0.89 | 0.87 | 0.82 |
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| Below rang | Below rang | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.65 | 0.66 | 0.63 | 0.63 | 0.59 |
| Below rang | Below rang | 0.94 | 0.94 | 0.94 | 0.94 | 0.94 | 0.85 | 0.84 | 0.84 | 0.84 | 0.81 |
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