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| **Table S1** Prior probabilities, posterior probabilities, and inclusion Bayes factors for each effect on therapy effectiveness ratings in the exploratory ANCOVA. |
| Effects | P(incl) | P(incl | data) | BFincl |
| Therapy type  | 0.600 | 1.000 | 906344 |
| Results type  | 0.600 | 1.000 | 8.600 × 106 |
| Psychic score  | 0.500 | 1.000 | 1.784 × 1012 |
| Therapy score  | 0.500 | 0.992 | 117.664 |
| Statistics experience  | 0.500 | 0.124 | 0.141 |
| Therapy type × Results type  | 0.200 | 0.862 | 25.062 |

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| **Table S2**ANCOVA for therapy effectiveness ratings with covariates of psychic score, therapy score, and statistics experience. |
|  | SS | df | MS | *F* | *p* | η2p |
| Therapy type  | 15304.57 | 1 | 15304.57 | 30.23 | < .001 | 0.05 |
| Results type  | 20090.88 | 2 | 10045.44 | 19.84 | < .001 | 0.06 |
| Therapy type × Results type  | 5841.10 | 2 | 2920.55 | 5.77 | 0.003 | 0.02 |
| Psychic score | 33216.45 | 1 | 33216.45 | 65.61 | < .001 | 0.10 |
| Therapy score | 7195.303 | 1 | 7195.303 | 14.212 | < .001 | 0.02 |
| Statistics experience | 115.91 | 1 | 115.91 | 0.23 | 0.632 | 0.00 |
| Residuals | 299217.43 | 591 | 506.29 |  |  |  |

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| **Table S3**ANOVA for therapy effectiveness ratings. |
|  | SS | df | MS | *F* | *p* | η2p |
| Therapy type  | 15200.67 | 1 | 15200.67 | 26.58 | < .001 | 0.04 |
| Results type  | 23676.33 | 2 | 11838.17 | 20.70 | < .001 | 0.07 |
| Therapy type × Results type  | 4840.33 | 2 | 2420.17 | 4.23 | 0.015 | 0.01 |
| Residuals | 339666 | 594 | 571.83 |  |  |  |

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| **Table S4** Models for psychic score: Prior probabilities, posterior probabilities, and Bayes factors. |
| Models | P(M) | P(M | data) | BFM | BF10 |
| Null model | 0.200 | 0.820 | 18.184 | 1.000 |
| Therapy type  | 0.200 | 0.147 | 0.691 | 0.180 |
| Results type  | 0.200 | 0.028 | 0.114 | 0.034 |
| Therapy type + Results type  | 0.200 | 0.005 | 0.019 | 0.006 |
| Therapy type + Results type + Therapy type × Results type | 0.200 | 3.886 × 10-4 | 0.002 | 4.741 × 10-4 |

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| **Table S5**Models for therapy score: Prior probabilities, posterior probabilities, and Bayes factors. |
| Models | P(M) | P(M | data) | BFM | BF10 |
| Null model | 0.200 | 0.621 | 6.559 | 1.000 |
| Therapy type  | 0.200 | 0.324 | 1.921 | 0.522 |
| Results type  | 0.200 | 0.035 | 0.145 | 0.056 |
| Therapy type + Results type  | 0.200 | 0.018 | 0.074 | 0.029 |
| Therapy type + Results type + Therapy type × Results type | 0.200 | 0.001 | 0.005 | 0.002 |