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| Supplementary Table 1 |
| *Mean scores for each item on the SHAPS* |
| Item | Sample 1 | Sample 2 | Sample 3 | Sample 4 |
| 1. | I would enjoy my favourite television or radio programme | 1.66 ± 0.59 | 1.60 ± 0.60 | 1.68 ± 0.73 | 1.79 ± 0.53 |
| 2. | I would enjoy being with my family or close friends | 1.60 ± 0.66 | 1.49 ± 0.61 | 1.70 ± 0.76 | 1.55 ± 0.71 |
| 3. | I would find pleasure in my hobbies and pastimes | 1.92 ± 0.83 | 1.83 ± 1.77 | 1.96 ± 0.86 | 2.02 ± 0.80 |
| 4. | I would be able to enjoy my favourite meal | 1.77 ± 0.69 | 1.77 ± 0.77 | 1.84 ± 0.81 | 1.66 ± 0.69 |
| 5. | I would enjoy a warm bath or refreshing shower | 1.65 ± 0.66 | 1.66 ± 0.64 | 1.85 ± 0.84 | 1.70 ± 0.60 |
| 6. | I would find pleasure in the scent of flowers or the smell of a fresh sea breeze or freshly baked bread | 1.72 ± 0.72 | 2.09 ± 0.95 | 1.75 ± 0.80 | 1.72 ± 0.75 |
| 7. | I would enjoy seeing other people’s smiling faces | 1.66 ± 0.63 | 2.03 ± 0.92 | 1.72 ± 0.70 | 1.54 ± 0.57 |
| 8. | I would enjoy looking smart when I have made an effort with my appearance | 1.84 ± 0.72 | 1.77 ± 0.69 | 1.83 ± 0.71 | 2.06 ± 0.67 |
| 9. | I would enjoy reading a book, magazine or newspaper | 1.93 ± 0.71 | 2.20 ± 0.93 | 1.95 ± 0.86 | 1.86 ± 0.64 |
| 10. | I would enjoy a cup of tea or coffee or my favorite drink | 1.67 ± 0.65 | 1.71 ± 0.75 | 1.64 ± 0.68 | 1.68 ± 0.61 |
| 11. | I would find pleasure in small things, e.g. bright sunny day, a telephone call from a friend | 1.75 ± 0.67 | 2.00 ± 0.94 | 1.72 ± 0.72 | 1.64 ± 0.62 |
| 12. | I would be able to enjoy a beautiful landscape or view | 1.73 ± 0.64 | 1.74 ± 0.74 | 1.64 ± 0.67 | 1.55 ± 0.63 |
| 13. | I would get pleasure from helping others | 1.59 ± 0.65 | 1.54 ± 0.66 | 1.52 ± 0.66 | 1.71 ± 0.62 |
| 14. | I would feel pleasure when I receive praise from other people | 1.87 ± 0.72 | 1.69 ± 0.58 | 1.80 ± 0.76 | 1.44 ± 0.50 |
| *Note.* Mean ± SD. |

Supplementary Table 2. Analyses of variance within the opioid-treated chronic pain samples (N = 432).

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| Variable | *B (SE)* | *t* | *p* |
| Model 1 |  |  |  |
| Misuser status, dichotomous (COMM) | 3.12 (.88) | 3.57 | <.001 |
| Pain severity (BPI) | .40 (.27) | 1.45 | .15 |
| Major depressive dx | .55 (.65) | .85 | .40 |
| Opioid dose | .001 (.001) | 1.03 | .30 |
|  |  |  |  |
| Model 2 |  |  |  |
| Misuse score, continuous (COMM) | .15 (.05) | 3.21 | .001 |
| Pain severity (BPI) | .37 (.27) | 1.34 | .18 |
| Major depressive dx | .39 (.66) | .59 | .56 |
| Opioid dose | .001 (.001) | 1.12 | .27 |
|  |  |  |  |
| Model 3 |  |  |  |
| Misuse score, continuous (COMM) | .11 (.05) | 2.24 | .03 |
| Pain severity (BPI) | .30 (.27) | 1.10 | .27 |
| Major depression symptom count | .20 (.08) | 2.41 | .02 |
| Opioid dose | .001 (.001) | 1.03 | .31 |
|  |  |  |  |
| Model 4 |  |  |  |
| Misuser status, dichotomous (COMM) | 2.14 (1.00) | 2.14 | .03 |
| Pain severity (BPI) | .04 (.31) | .14 | .89 |
| Major depression symptom count | .37 (.09) | 3.95 | <.001 |
| Opioid dose | .001 (.001) | .74 | .46 |
| Opioid duration | .01 (.004) | 2.10 | .04 |