

Scoring Instructions for Self-Administered ASI Composite Scores

Coding Responses

Format	Questions	Coding
3-item	2a	Yes = 0, Indifferent = 1, No = 2
Days in past month	3, 7, 12, 17, 20, 21, 23, 27, 28, 35	Enter number from 0 to 30
Yes/no	5, 6, 11a, 11b, 11c, 15, 26a, 26b, 26c, 26d, 26e, 26f, 26g, 26h, 26i, 31	No = 0, Yes = 1
5-point scale	8, 9, 13, 14, 18, 19, 24, 25, 29, 30, 32, 33	Not at all = 0; slightly = 1; moderately = 2; considerably = 3; extremely = 4
Yes/no psych	10a, 10b, 10c, 10d	No = 0; Yes = 1; Only when high or in withdrawal = 0.
Yes/no family	16a, 16b, 16c, 16d, 16e, 16f, 16g, 16h, 16i, 16j	No = 0; Yes = 1; No recent contact = missing data (not used in analysis).
Money	4, 22	Log of dollar amount

Calculating Composite Scores

Calculation of composite scores from the self-administered ASI questionnaire are based on scoring procedures for the ASI interview outlined in: McGahan, Griffith, Parente, & McLellan (1986), Composite Scores for the Addiction Severity Index, Philadelphia, PA: Department of Veterans Affairs Medical Center. Two modifications were made to the standard ASI composite scoring: 1) scoring of the drug use composite was adjusted for use of dummy-coded items; and 2) scoring of the legal status composite was adjusted for inclusion of fewer items (3 instead of 5) in the composite.

Note: These are scoring instructions for a self-report version of the Addiction Severity Index (ASI) used by the Center for Health Care Evaluation, VA Palo Alto Health Care System (152-MPD), Menlo Park, CA, 94025. See Rosen, Henson, et al. (2000: Addiction, 95, 419-425) for information on this version and see McLellan, Kushner, et al., (1992: Journal of Substance Abuse Treatment, 9, 199-213) for general information on the ASI. **Composite scores from this self-administered measure should NOT be directly compared with norms or composite scores for the standard interview-based ASI.**

Scoring Instructions for the Self-Administered Version of the ASI
(continued)

Basic logic of composite scores: Composite scores range between 0 (no endorsement of any problems) and 1 (maximal endorsement of all problems). The score obtained on each item is divided by its highest possible score. The scores of all items on each composite are then averaged to generate a score between 0 and 1.

Computational formulas (Note: Q3 = response to question 3; Q10a = response to question 10a)

Employment status composite score = $1 - [Q3/120 + (\text{Log } Q4 + 1)/36 + Q5/4 + Q6/4]$

Medical status composite score = $[Q7/90 + Q8/12 + Q9/12]$

Psychiatric status composite score = $[Q10a/11 + Q10b/11 + Q10c/11 + Q10d/11 + Q11a/11 + Q11b/11 + Q11c/11 + Q12/330 + Q13/44 + Q14/44 + Q15/11]$

Family/social status composite (this involves several steps)

First, sum the number of items in Q16a to Q16j that have either a “yes” or “no” response. (Do not count items with “no recent contact”.) This is the **conflict denominator**.

Second, sum the number of items in Q16a to Q16j that have a “yes” response. This is the **conflict numerator**.

Third, the **conflict ratio** = **conflict numerator/conflict denominator**

Fourth, compute the composite score.

Family/social composite score = $[\text{conflict ratio}/5 + Q2a/10 + Q17/150 + Q18/20 + Q19/20]$

Alcohol use composite score = $[Q20/180 + Q21/180 + (\text{Log } Q22 + 1)/44 + Q23/180 + Q24/24 + Q25/24]$

Drug use composite score = $[Q26a/13 + Q26b/13 + Q26c/13 + Q26d/13 + Q26e/13 + Q26f/13 + Q26g/13 + Q26h/13 + Q26i/13 + Q27/390 + Q28/390 + Q29/52 + Q30/52]$

Legal status composite score = $[Q31/3 + Q32/12 + Q33/12]$