

How to Calculate the CAI Scales

The following table shows how to calculate a single score for each scale. Because different types of items are combined to form the scales, we recommend recoding the items (and their scales) so that they range from 0 to 1 (with 0 representing the absence of competency and 1 representing complete competency).

Scales	Item #	Procedures	R=Item score is Reversed
Goal Functioning	23a	<ul style="list-style-type: none"> Recode all three items using the following: $((6\text{-item score})-1)/4$ Average the three scores together to create a scale score Only calculate the scale if 2 out of the 3 items are present (non-missing) 	R
	23b		R
	23c		R
Stress	23d	<ul style="list-style-type: none"> Recode all four items using the following: $((6\text{-item score})-1)/4$ Average the four scores together to create a scale score Only calculate the scale if 3 out of the 4 items are present (non-missing) 	R
	23e		R
	23f		R
	23g		R
Client Preferences	15	<ul style="list-style-type: none"> Reverse and recode #15 with the following: $(\text{item score}-1)/4$ Recode #s 16,20,21 using the following: $((6\text{-item score})-1)/4$ Average the four scores together to create a scale score Only calculate the scale if 3 out of the 4 items are present (non-missing) 	
	16		R
	20		R
	21		R
Intensive Case Management	32b	<ul style="list-style-type: none"> Recode all three items using the following: $((6\text{-item score})-1)/4$ Average the three scores together to create a scale score Only calculate the scale if 2 out of the 3 items are present (non-missing) 	R
	32c		R
	32d		R
Holistic Approach	25	<ul style="list-style-type: none"> Reverse and recode all four items with the following: $(\text{item score}-1)/4$ Average the four scores together to create a scale score Only calculate the scale if 3 out of the 4 items are present (non-missing) 	
	26		
	27		
	28		
Family Education	45a	<ul style="list-style-type: none"> Recode all four items using the following: $((5\text{-item score})-1)/3$ Average the four scores together to create a scale score Only calculate the scale if 3 out of the 4 items are present (non-missing) 	R
	45b		R
	45c		R
	45d		R
Rehabilitation	33a	<ul style="list-style-type: none"> Reverse and recode #s 33a & 33b with the following: $(\text{item score}-1)/4$ Reverse and recode #s 34,35,36 with the following: $(100\text{-item score})/100$ Average the five scores together to create a scale score Only calculate the scale if 3 out of the 5 items are present (non-missing) 	
	33b		
	34		
	35		
	36		
Skills advocacy	46	<ul style="list-style-type: none"> Recode all five items using the following: $((6\text{-item score})-1)/4$ Average the five scores together to create a scale score Only calculate the scale if 3 out of the 5 items are present (non-missing) 	R
	47		R
	48		R
	32a		R
	32f		R
Integration/ Natural Supports	42a	<ul style="list-style-type: none"> Recode all three items using the following: $((6\text{-item score})-1)/4$ Average the three scores together to create a scale score Only calculate the scale if 2 out of the 3 items are present (non-missing) Count the "Don't know" response (=6) as missing 	R
	42b		R
	42c		R
Stigma	41a	<ul style="list-style-type: none"> Recode all three items using the following: $((6\text{-item score})-1)/4$ Average the three scores together to create a scale score Only calculate the scale if 2 out of the 3 items are present (non-missing) 	R
	41c		R
	41d		R
Community Resources	37	<ul style="list-style-type: none"> Reverse and recode all three items with the following: $((6\text{-item score})-1)/4$ Average the three scores together to create a scale score Only calculate the scale if 2 out of the 3 items are present (non-missing) 	R
	39		R
	40		R
Medication Management	30	<ul style="list-style-type: none"> Recode both items using the following: $((6\text{-item score})-1)/4$ Average the two scores together to create a scale score Only calculate the scale if both items are present (non-missing) 	R
	31		R
Family Involvement	32e	<ul style="list-style-type: none"> Recode all three items using the following: $((6\text{-item score})-1)/4$ Average the three scores together to create a scale score Only calculate the scale if 2 out of the 3 items are present (non-missing) 	R
	32g		R
	32i		R

How to Calculate the CAI Scales (continued)

Scales	Item #	Procedures	R=Item score is Reversed
Team Value	51	<ul style="list-style-type: none"> Reverse and recode #52 with the following: $(\text{item score}-1)/4$ Recode #s 51,53,54 using the following: $((6\text{-item score})-1)/4$ Average the four scores together to create a scale score Only calculate the scale if 3 out of the 4 items are present (non-missing) 	R
	52		
	53		R
	54		R
Evidence-based practice	22a	<ul style="list-style-type: none"> Recode all five items using the following: $((5\text{-item score})-1)/3$ Average the five scores together to create a scale score Only calculate the scale if 3 out of the 5 items are present (non-missing) 	R
	22b		R
	22c		R
	22d		R
	22e		R
Optimism	12a	<ul style="list-style-type: none"> Reverse and recode #12a, 12d, 12e with the following: $(\text{item score}-1)/4$ Recode #s 12b, 12c, 12f using the following: $((6\text{-item score})-1)/4$ Average the six scores together to create a scale score Only calculate the scale if 4 out of the 6 items are present (non-missing) 	
	12b		R
	12c		R
	12d		
	12e		