How to Score the CRMT–PF

Culturally Responsive Measurement Tool - Protective Factors

PROTECTIVE FACTORS MEASURED

+ Family Resilience
+ Knowledge of Parenting & Child Development
+ Social Supports
+ Concrete Supports
+ Caregiver/Practicioner Relationship

CALCULATING INDIVIDUAL FAMILY SCORES

Note: Each Protective Factor must have 3+ answers to be calculated. Do not score "Prefer not to answer."

Example: Family Resilience Protective Factor	Scoring					
Family Resilience Items	**Strongly Agree**	**Agree**	**Neither Agree nor Disagree**	**Disagree**	**Strongly Disagree**	**Item Score**
1. In general, my family knows we are strong enough to solve problems in our lives.	4	(3)	2	1	0	**3**
2. Our family traditions are important to us	(4)	3	2	1	0	**4**
3. In general, my family works together to solve problems.	4	3	(2)	1	0	**2**
4. In general, my family stays hopeful even in difficult times.	4	(3)	2	1	0	**3**
5. My family is able to find time for things that matter to us.	4	(3)	2	1	0	**3**
Protective Factor Total						**15**
Average Protective Factor Score (Protective Factor Total divided by 5 [minimum 3]).					**[15 / 5] =**	**3**

1. Write the family's response to each item in the Item Score column.
2. Add all item scores together to get the Protective Factor Total.
3. Divide the Protective Factor Total / **number of questions** completed = Average Score.

CALCULATING KNOWLEDGE OF PARENTING & CHILD DEVELOPMENT SCORES

Note: The Knowledge of Parenting & Child Development items do not correlate, and it is not a subscale. Programs can compare item by item averages (means), standard deviations, and percentages across different groups and over time.

Knowledge of Parenting + Child Development	Scoring			
Knowledge of Parenting + Child Development Items	**Item 6**	**Item 7**	**Item 8**	**Item 9**
Family A	4	4	3	4
Family B	3	4	3	2
Family C	2	4	3	3
Family D	3	3	2	3
Family E	1	3	2	3
Item Total	13	18	13	15
Item Average	(13÷5) = **2.6**	(18÷5) = **3.6**	(13÷5) = **2.6**	(15÷5) = **3**

1. Sum each of the Item Scores across the groups = Item Total
2. Each Item Total / **number of families** in the group = Item Average
3. Compare the Item Average to other groups or between Pre- and Post-Test Periods

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CALCULATING GROUP/PROGRAM-WIDE SCORES

Family Resilience	Item Scores					Protective Factor Total	Average Protective Factor Score
Family Resilience Items	**Item 1**	**Item 2**	**Item 3**	**Item 4**	**Item 5**		
Family A	4	5	4	4	3	= 20	(20 ÷ 5) = **4**
Family B	2	2	1	3	2	= 10	(10 ÷ 5) = **2**
Family C	3	3	0	-	3	= 9	(9 ÷ 4) = **2.3**
Family D	5	4	4	4	4	= 21	(21 ÷ 5) = **4.2**
Family E	3	4	3	3	0	= 13	(13 ÷ 5) = **2.6**
						Total Group Score	**15.1**
							(15.1 ÷ 5) = **3.02**
						Average Group Score	**3.0**

1. Sum each family's score to calculate their individual Protective Factor Total.
2. Each Protective Factor Total / **number of items** answered = Average Protective Factor Score
3. Sum of Average Protective Factor Scores = the Total Group Score
4. Total Group Score / **number of families** included = Average Group Score

CALCULATING CHANGES IN SCORES

Observing change in family-level protective factors can help reveal the impact of your program and where additional supports may still be needed. Programs can consider change at individual/group levels by analyzing change in the average scores.

	Average Pre (Pre- or "Before")	Mean Post (Post- or "Now")	Raw Difference	Change	Percent Change
Family A	4.13	4.61	0.48	0.12	**+ 12%**
Family B	2.94	3.47	0.53	0.18	**+ 18%**

1. Mean Post-Score – Average Pre-Score = Raw Difference
2. Raw Difference / Average Pre-Score = Change
3. Change x 100 = Percent Change
4. Note if the change is an increase (+) or decrease (-)

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