Adults’ Responses to Children’s Symptoms (ARCS)
(Updated 8/5/2009)

The revised ARCS is a 29-item measure of parents’ responses to their children’s abdominal pain episodes. Both child-report and parent-report versions are available. Respondents use a 0 (never) to 4 (always) rating scale. These 29 items were validated in:


Scoring instructions:
- Items for each subscale are listed below. NOTE: Item 27 belongs on Factor 2 because its highest positive factor loading is on that subscale (it has a strong negative loading on Factor 1, reported by Van Slyke & Walker, 2006).
- Responses are scored “0” to “4”. No items are reverse scored.
- Each subscale is scored by computing the mean of the item responses.

<table>
<thead>
<tr>
<th>Scale</th>
<th>Items</th>
</tr>
</thead>
<tbody>
<tr>
<td>Factor 1: Protect</td>
<td>3, 5, 7, 8, 11, 13, 15, 16, 17, 19, 20, 22, 23, 25, 29</td>
</tr>
<tr>
<td>Factor 2: Minimize</td>
<td>2, 9, 14, 18, 21, 27</td>
</tr>
<tr>
<td>Factor 3: Distract and Monitor</td>
<td>1, 4, 6, 10, 12, 24, 26, 28</td>
</tr>
</tbody>
</table>

**SPSS syntax for Parent Report:**

***Higher scores indicate more of that kind of parenting behavior.
***Mean scores calculated when at least 80% of the data is present.

COMPUTE T1Parcsprot = mean.12(T1Parcs3, T1Parcs5, T1Parcs7, T1Parcs8, T1Parcs11, T1Parcs13, T1Parcs15, T1Parcs16, T1Parcs17, T1Parcs19, T1Parcs20, T1Parcs22, T1Parcs23, T1Parcs25, T1Parcs29).
RECODE T1Parcsprot (sysmis = 99).
MISSING VALUES T1Parcsprot (99).
VARIABLE LABELS T1Parcsprot 'Parent: T1: ARCS Protect'.
Execute.

COMPUTE T1Parcsmin = mean.5(T1Parcs2, T1Parcs9, T1Parcs14, T1Parcs18, T1Parcs21, T1Parcs27).
RECODE T1Parcsmin (sysmis = 99).
MISSING VALUES T1Parcsmin (99).
VARIABLE LABELS T1Parcsmin 'Parent: T1: ARCS Minimize'.
Execute.

COMPUTE T1Parcsdist = mean.6(T1Parcs1, T1Parcs4, T1Parcs6, T1Parcs10, T1Parcs12, T1Parcs24, T1Parcs26, T1Parcs28).
RECODE T1Parcsdist (sysmis = 99).
MISSING VALUES T1Parcsdist (99).
VARIABLE LABELS T1Parcsdist 'Parent: T1: ARCS Distract & Monitor'.
Execute.