**Additional file 2**. The RMI-Family Scoring template

***Abbreviations and subscripts***:

Physical Activity = PA; Screen Time = ST; Treat Food = FT; Overeating = OE;

Eating Not Hungry =ENH

Examples: ***Ch*PAB**refers to Youth interview, Physical activity domain, question B.

***Par*OEc**refers to Parent interview, Overeating domain, question C

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**1. Youth and Parent Motivation Sub-Scale Scores**

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| Youth Motivation Score (sum) | Parent Motivation Score (sum) |
| ***Ch*PAB*+ Ch*PAC (reverse scored) *=***  ***Ch*STB*+ Ch*STC (reverse scored)  *=***  ***Ch*TFB*+ Ch*TFC (reverse scored) *=***  ***Ch*OEB*+ Ch*OEC (reverse scored) *=***  ***Ch*ENHB*+ Ch*ENH(reverse scored) *=***  **Total Youth Motivation Sub-Scale Score**  **(Total score range: 10 – 50)** | ***Par*PAB + *Par*PAC +*Par*AD =**  ***Par*STB + *Par*STC +*Par*STD =**  ***Par*TFB + *Par*TFC +*Par*TFD =**  ***Par*OEB + *Par*OEC +*Par*OED =**  ***Par*ENHB + *Par*ENHC +*Par*ENHD =**  **Total Parent Motivation Sub-Scale Score**  **(Total score range: 15 – 45)** |

**2a. Family Concordance Sub-Scale Scores**

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| **Family (sum)** |
| If ***Ch*PAA** = ***Par*PAA**, *Concordance Family* PA = 1; If ***Ch*PAA** ≠ ***Par*PAA**, *Concordance Family* PA = 0  +  Absolute value of difference between **[*Ch*PAB** and ***Par*PAB] (reverse scored)**  **PA Family Concordance Sub-Scale Score** |

*Note:* Total Family Concordance Sub-Scale Score is the sum of PA, ST, T, OE and ENH Family Concordance scores. Total score range: 5 – 25.

**2b. Youth and Parent Within Concordance Sub-Scale Scores**

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| **Youth Within (sum)** |
| If ***Ch*PAA** = ***Youth estimate of Par*PAA**, *Concordance Youth* *Within* PA = 1; If ***Ch*PAA** ≠ ***Youth estimate of Par*PAA**, *Concordance Youth Within* PA = 0  +  Absolute value of difference between **[*Ch*PAB** and ***Youth estimate of* *Par*PAB] (reverse scored)**  **PA Youth Within Concordance Sub-Scale Score** |

*Note*: Total Youth Within Concordance Sub-Scale Score is the sum of PA, ST, T, OE and ENH Youth Within Concordance scores. Total score range: 5 – 25.

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| **Parent Within (sum)** |
| If ***Par*PAA** = ***Parent estimate of Ch*PAA**, *Concordance Parent Within* PA = 1; If ***Par*PAA** ≠ ***Parent estimate of Ch*PAA**, *Concordance Parent Within* PA = 0  +  Absolute value of difference between **[*Par*PAB** and ***Parent estimate of* *Ch*PAB] (reverse scored)**  **PA Parent Within Concordance Sub-Scale Score** |

*Note*: Total Parent Within Concordance Sub-Scale Score is the sum of PA, ST, T, OE and ENH Parent Within Concordance scores. Total score range: 5 – 25.

1. **Total RMI-Family Total Score (sum)**

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| --- |
| **Total Youth Motivation Sub-Scale +**  **Total Parent Motivation Sub-Scale +**  **Total Family Concordance Sub-Scale +**  **Total Youth Within Concordance Sub-Scale +**  **Total Parent Within Concordance Sub-Scale**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Total RMI-Family Total Score (total score range: 35 – 170)** |