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*****
*****
*          scoring algorithm for the KIDSCREEN-27 proxy version          *
*****
*****
*          copyright and intellectual property: The European KIDSCREEN group      *
*****

*          1) uses transformed KIDSCREEN item-scores (transformed e.g. by a priori *
*          application of the syntax "transform_KIDSCREEN-27_rawdata.SPS")      *
*          2) based on the RASCH-Person-Parameter Estimates                    *
*          3) T-values were computed wich refer to the entire KIDSCREEN survey  ..*
*          (excluded were cases older than 18, younger than 8, > 25% missings in *
*          KIDSCREEN items, with any missing in the particular scale)          *
*          4) for the entire European sample the mean of the T-values is 50, the *
*          standard deviation is 10                                           *
*****

```

RECODE

```

    KP27PHY1
    (5=3) (1 thru 2=1) (3 thru 4=2) (ELSE=Copy) INTO KP27PHYc .
VARIABLE LABELS KP27PHYc 'gh_y01 coll 1 + 2 & 3 + 4 & 5'.
EXECUTE .
MISSING VALUES KP27PHYc (0 + 6 thru 99999) .
EXECUTE .

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COMPUTE KP27ph_R = (KP27PHYc + KP27PHY2 + KP27PHY3 + KP27PHY4 + KP27PHY5 ) .
EXECUTE .

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COMPUTE KP27pw_R = (KP27PWB1 + KP27PWB2 + KP27PWB3 + KP27PWB4 + KP27PWB5 +
KP27PWB6 + KP27PWB7 ) .
EXECUTE .

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COMPUTE KP27pa_R = (KP27PAR1 + KP27PAR2 + KP27PAR3 + KP27PAR4 + KP27PAR5 +
KP27PAR6 + KP27PAR7 ) .
EXECUTE .

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COMPUTE KP27pe_R = (KP27SOC1 + KP27SOC2 + KP27SOC3 + KP27SOC4 ) .
EXECUTE .

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COMPUTE KP27sc_R = (KP27SCH1 + KP27SCH2 + KP27SCH3 + KP27SCH4 ) .
EXECUTE .

```

RECODE KP27ph_R

```

(      5      =      -5.365      )
(      6      =      -3.806      )
(      7      =      -2.984      )
(      8      =      -2.439      )
(      9      =      -2.01 )
(     10      =      -1.641      )
(     11      =      -1.302      )
(     12      =      -0.976      )
(     13      =      -0.642      )
(     14      =      -0.283      )

```

```
(      15      =      0.114 )
(      16      =      0.559 )
(      17      =      1.049 )
(      18      =      1.574 )
(      19      =      2.116 )
(      20      =      2.671 )
(      21      =      3.273 )
(      22      =      4.015 )
(      23      =      5.318 ).
```

EXECUTE .

RECODE KP27pw_R

```
(      7      =     -5.861      )
(      8      =     -4.59      )
(      9      =     -3.903      )
(     10      =     -3.388      )
(     11      =     -2.962      )
(     12      =     -2.594      )
(     13      =     -2.267      )
(     14      =     -1.971      )
(     15      =     -1.697      )
(     16      =     -1.44      )
(     17      =     -1.192      )
(     18      =     -0.949      )
(     19      =     -0.707      )
(     20      =     -0.463      )
(     21      =     -0.214      )
(     22      =      0.041      )
(     23      =      0.305      )
(     24      =      0.581      )
(     25      =      0.871      )
(     26      =      1.18      )
(     27      =      1.515      )
(     28      =      1.884      )
(     29      =      2.298      )
(     30      =      2.759      )
(     31      =      3.263      )
(     32      =      3.803      )
(     33      =      4.399      )
(     34      =      5.139      )
(     35      =      6.44      ).
```

EXECUTE .

RECODE KP27pa_R

```
(      7      =     -4.89      )
(      8      =     -3.671      )
(      9      =     -3.037      )
(     10      =     -2.574      )
(     11      =     -2.197      )
(     12      =     -1.872      )
(     13      =     -1.586      )
(     14      =     -1.328      )
(     15      =     -1.093      )
(     16      =     -0.877      )
(     17      =     -0.674      )
(     18      =     -0.481      )
(     19      =     -0.297      )
(     20      =     -0.118      )
(     21      =      0.057      )
(     22      =      0.231      )
(     23      =      0.405      )
(     24      =      0.581      )
(     25      =      0.761      )
```

```
(      26      =      0.948 )
(      27      =      1.144 )
(      28      =      1.354 )
(      29      =      1.582 )
(      30      =      1.835 )
(      31      =      2.125 )
(      32      =      2.468 )
(      33      =      2.9   )
(      34      =      3.51  )
(      35      =      4.708 ).
```

EXECUTE .

RECODE KP27pe_R

```
(      4      =     -6.203   )
(      5      =     -4.846   )
(      6      =     -4.017   )
(      7      =     -3.278   )
(      8      =     -2.529   )
(      9      =     -1.813   )
(     10      =     -1.177   )
(     11      =     -0.585   )
(     12      =      0.002   )
(     13      =      0.597   )
(     14      =      1.21    )
(     15      =      1.857   )
(     16      =      2.555   )
(     17      =      3.27    )
(     18      =      3.986   )
(     19      =      4.799   )
(     20      =      6.145   ).
```

EXECUTE .

RECODE KP27sc_R

```
(      4      =     -5.843   )
(      5      =     -4.284   )
(      6      =     -3.362   )
(      7      =     -2.73    )
(      8      =     -2.24    )
(      9      =     -1.803   )
(     10      =     -1.367   )
(     11      =     -0.888   )
(     12      =     -0.331   )
(     13      =      0.287   )
(     14      =      0.914   )
(     15      =      1.574   )
(     16      =      2.318   )
(     17      =      3.112   )
(     18      =      3.896   )
(     19      =      4.763   )
(     20      =      6.157   ).
```

EXECUTE .

Compute KP27ph_T = (((KP27ph_R - 1.6534) / 1.72649) * 10 + 50) .

EXECUTE .

Compute KP27pw_T = (((KP27pw_R - 2.3939) / 1.53339) * 10 + 50) .

EXECUTE .

Compute KP27pa_T = (((KP27pa_R - 1.4540) / 1.11661) * 10 + 50) .

EXECUTE .

Compute KP27pe_T = (((KP27pe_R - 2.0309) / 2.02229) * 10 + 50) .

EXECUTE .

Compute KP27sc_T = (((KP27sc_R - 2.0341) / 1.99441) * 10 + 50) .

EXECUTE .

```
VAR LAB KP27ph_R 'proxy 27item Physical RASCH PP'.
EXECUTE .
VAR LAB KP27pw_R 'proxy 27item Psychological Wellbeing RASCH PP'.
EXECUTE .
VAR LAB KP27pa_R 'proxy 27item Parents RASCH PP'.
EXECUTE .
VAR LAB KP27pe_R 'proxy 27item Peers RASCH PP'.
EXECUTE .
VAR LAB KP27sc_R 'proxy 27item School RASCH PP'.
EXECUTE .
```

```
VAR LAB KP27ph_T 'proxy 27item Physical international T-values based on RASCH
PP'.
EXECUTE .
VAR LAB KP27pw_T 'proxy 27item Psychological Wellbeing international T-values
based on RASCH PP'.
EXECUTE .
VAR LAB KP27pa_T 'proxy 27item Parents international T-values based on RASCH
PP'.
EXECUTE .
VAR LAB KP27pe_T 'proxy 27item Peers international T-values based on RASCH PP'.
EXECUTE .
VAR LAB KP27sc_T 'proxy 27item School international T-values based on RASCH PP'.
EXECUTE .
```