

* Encoding: UTF-8.

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* ShortForm2017_FunctionalLimitations-iADL-GARS.

* Last updated: September 20, 2018.

* SPSS syntax for ADL and iADL sum- and dichotomous scores based on GARS scoring for the items.

* Source: Kempen, GIMJ, Doeglas, DM en Suurmeijer, ThPBM, Het meten van problemen met zelfredzaamheid op verzorgend en huishoudelijk gebied met de GARS, Een handleiding; second edition, June 2012;.

** Research Institute SHARE, UMCG/RUG.

** Link to GARS manual:

[https://www.umcg.nl/EN/Research/InstitutesProgrammes/SHARE/researchtools/tools/paginas/GARS.aspx?logout=.](https://www.umcg.nl/EN/Research/InstitutesProgrammes/SHARE/researchtools/tools/paginas/GARS.aspx?logout=)

* International publication GARS: Kempen GIJM, Miedema I, Ormel J, Molenaar W. The assessment of disability with the Groningen Activity Restriction Scale. Conceptual framework and psychometric properties. Soc Sci Med 1996; 43: 1601-1610

* TOPICS Short Form 2017 consists of 10 (i)ADL items: 8 original GARS items and 2 LASA items (with answers following the GARS answering scheme).

* Therefore: the 2 LASA items (taking medicines and using transport) are included in de GARS-4, GARS-2 (dichotomous) and GARS-3 sum scores.

* Sum scores for GARS-4, GARS-2 and GARS-3 and ADL/iADL subscales are based on the calculations as described in the GARS manual (Kempen et al, 2012, see above).

* Following the original GARS instrument, the 2 mobility items (climbing stairs and walking outdoors) are summed with four other ADL items as an ADL subscale and the remaining four items are together summed as an iADL subscale.

* You may want to decide to separate the ADL subscale into 4 "pure" ADL tasks and 2 mobility items, but this scoring is not included in the current syntax.

* We decided to allow a maximum of 2 missing values for the total of 10 (i)ADL items and a maximum of 1 missing value for both subscales separately.

* In case of more missing values, a sum score for GARS-4, GARS-2 and GARS-3 (and subscale) cannot be calculated; in that case, the sum score is coded as a missing value (9999).

* As a TOPICS Short Form user, you can decide otherwise.

* ADVICE: we strongly advise you to run this syntax in pieces; running it all at once may create errors/problems and incorrect results.

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* First, recode missing values and identify the number of missings for all ADL + iADL items and ADL + iADL subscales.

* Recode missing values.

```
MISSING VALUES SF_TO_GARS_DRES SF_TO_GARS_CHAIR SF_TO_GARS_WASH SF_TO_GARS_STAIRS  
SF_TO_GARS_WALK
```

```
    SF_TO_GARS_FEET SF_TO_GARS_HH SF_TO_GARS_SHOP SF_TO_LASA_MED SF_TO_LASA_TRANSP  
(9999).
```

* Identify the number of missings for all ADL + iADL items and for ADL, iADL subscales separately.

```
COMPUTE SF_TO_MISNO_GARS=NMISS(SF_TO_GARS_DRES, SF_TO_GARS_CHAIR,  
SF_TO_GARS_WASH, SF_TO_GARS_STAIRS, SF_TO_GARS_WALK, SF_TO_GARS_FEET, SF_TO_GARS_HH,  
SF_TO_GARS_SHOP, SF_TO_LASA_MED, SF_TO_LASA_TRANSP).
```

```
EXECUTE.
```

```
COMPUTE SF_TO_MISNO_ADL=NMISS(SF_TO_GARS_DRES, SF_TO_GARS_CHAIR, SF_TO_GARS_WASH,  
SF_TO_GARS_STAIRS, SF_TO_GARS_WALK, SF_TO_GARS_FEET).
```

```
EXECUTE.
```

```
COMPUTE SF_TO_MISNO_iADL=NMISS(SF_TO_GARS_HH, SF_TO_GARS_SHOP, SF_TO_LASA_MED,  
SF_TO_LASA_TRANSP).
```

```
EXECUTE.
```

```
VARIABLE LABELS
```

```
SF_TO_MISNO_GARS 'Number of missings for all (i)ADL items'
```

```
SF_TO_MISNO_ADL 'Number of missings for ADL items (subscale)'
```

```
SF_TO_MISNO_iADL 'Number of missings for iADL items (subscale)'.
```

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```

```
*** GARS-4 total sum score and sum score for ADL and iADL subscale ***.
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```

```
* GARS-4 total sum score.
```

```
COMPUTE SF_TO_GARS4_sum= SUM(SF_TO_GARS_DRES, SF_TO_GARS_CHAIR, SF_TO_GARS_WASH,  
SF_TO_GARS_STAIRS, SF_TO_GARS_WALK, SF_TO_GARS_FEET, SF_TO_GARS_HH, SF_TO_GARS_SHOP,  
SF_TO_LASA_MED, SF_TO_LASA_TRANSP).
```

```
EXECUTE.
```

```
IF (missing(SF_TO_GARS4_sum)) SF_TO_GARS4_sum=9999.
```

```
IF (SF_TO_MISNO_GARS >2) SF_TO_GARS4_sum=9999.
```

```
EXECUTE.
```

```
MISSING VALUES SF_TO_GARS4_sum (9999).
```

```
* GARS-4 ADL subscale sum score, based on 6 items.
```

```
COMPUTE SF_TO_GARS4ADL_sum= SUM(SF_TO_GARS_DRES, SF_TO_GARS_CHAIR,  
SF_TO_GARS_WASH, SF_TO_GARS_STAIRS, SF_TO_GARS_WALK, SF_TO_GARS_FEET).
```

```
EXECUTE.
```

```
IF (missing(SF_TO_GARS4ADL_sum)) SF_TO_GARS4ADL_sum=9999.
```

```
IF (SF_TO_MISNO_ADL >1) SF_TO_GARS4ADL_sum=9999.
```

```
EXECUTE.
```

```
MISSING VALUES SF_TO_GARS4ADL_sum (9999).
```

* GARS-4 iADL subscale sum score, based on 4 items.

```
COMPUTE SF_TO_GARS4iADL_sum= SUM(SF_TO_GARS_HH, SF_TO_GARS_SHOP, SF_TO_LASA_MED,  
SF_TO_LASA_TRANSP).
```

```
EXECUTE.
```

```
IF (missing(SF_TO_GARS4iADL_sum)) SF_TO_GARS4iADL_sum=9999.
```

```
IF (SF_TO_MISNO_iADL >1) SF_TO_GARS4iADL_sum=9999.
```

```
EXECUTE.
```

```
MISSING VALUES SF_TO_GARS4iADL_sum (9999).
```

```
VARIABLE LABELS
```

```
SF_TO_GARS4_sum 'Sum score GARS-4 baseline'
```

```
SF_TO_GARS4ADL_sum 'Sum score GARS-4 ADL subscale baseline'
```

```
SF_TO_GARS4iADL_sum 'Sum score GARS-4 iADL subscale baseline'.
```

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```
*** GARS-2: dichotomising GARS-4 and calculating sum scores ***.
```

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* In accordance with GARS manual: two variants for dichotomising GARS-4.

* The higher the score, the more problems with self-reliance -> this applies to both dichotomous variants.

* A- Dichotomising GARS-4: score 1-2-3 vs score 4 -> to determine per item whether the care receiver can or cannot perform an activity independently, regardless of the degree of difficulty.

* 0=independently (score 1-2-3), 1= not independently (score 4).

IF (SF_TO_GARS_DRES<=3) SF_TO_GARS_DRES_di=0.

IF (SF_TO_GARS_DRES=4) SF_TO_GARS_DRES_di=1.

IF (SF_TO_GARS_CHAIR<=3) SF_TO_GARS_CHAIR_di=0.

IF (SF_TO_GARS_CHAIR=4) SF_TO_GARS_CHAIR_di=1.

IF (SF_TO_GARS_WASH<=3) SF_TO_GARS_WASH_di=0.

IF (SF_TO_GARS_WASH=4) SF_TO_GARS_WASH_di=1.

IF (SF_TO_GARS_STAIRS<=3) SF_TO_GARS_STAIRS_di=0.

IF (SF_TO_GARS_STAIRS=4) SF_TO_GARS_STAIRS_di=1.

IF (SF_TO_GARS_WALK<=3) SF_TO_GARS_WALK_di=0.

IF (SF_TO_GARS_WALK=4) SF_TO_GARS_WALK_di=1.

IF (SF_TO_GARS_FEET<=3) SF_TO_GARS_FEET_di=0.

IF (SF_TO_GARS_FEET=4) SF_TO_GARS_FEET_di=1.

IF (SF_TO_GARS_HH<=3) SF_TO_GARS_HH_di=0.

IF (SF_TO_GARS_HH=4) SF_TO_GARS_HH_di=1.

IF (SF_TO_GARS_SHOP<=3) SF_TO_GARS_SHOP_di=0.

IF (SF_TO_GARS_SHOP=4) SF_TO_GARS_SHOP_di=1.

IF (SF_TO_LASA_MED<=3) SF_TO_LASA_MED_di=0.

IF (SF_TO_LASA_MED=4) SF_TO_LASA_MED_di=1.

IF (SF_TO_LASA_TRANSP<=3) SF_TO_LASA_TRANSP_di=0.

IF (SF_TO_LASA_TRANSP=4) SF_TO_LASA_TRANSP_di=1.

EXECUTE.

VARIABLE LABELS

SF_TO_GARS_DRES_di 'Dichotomous score SF_TO_GARS_DRES baseline'

SF_TO_GARS_CHAIR_di 'Dichotomous score SF_TO_GARS_CHAIR baseline'

SF_TO_GARS_WASH_di 'Dichotomous score SF_TO_GARS_WASH baseline'

SF_TO_GARS_STAIRS_di 'Dichotomous score SF_TO_GARS_STAIRS baseline'

SF_TO_GARS_WALK_di 'Dichotomous score SF_TO_GARS_WALK baseline'

SF_TO_GARS_FEET_di 'Dichotomous score SF_TO_GARS_FEET baseline'

SF_TO_GARS_HH_di 'Dichotomous score SF_TO_GARS_HH baseline'

SF_TO_GARS_SHOP_di 'Dichotomous score SF_TO_GARS_SHOP baseline'

SF_TO_LASA_MED_di 'Dichotomous score SF_TO_LASA_MED baseline'

SF_TO_LASA_TRANSP_di 'Dichotomous score SF_TO_LASA_TRANSP baseline'.

VALUE LABELS

SF_TO_GARS_DRES_di SF_TO_GARS_CHAIR_di SF_TO_GARS_WASH_di SF_TO_GARS_STAIRS_di
SF_TO_GARS_WALK_di 0 'Able to perform activity independently' 1 'Not able to perform activity
independently, regardless of difficulty' /

SF_TO_GARS_FEET_di SF_TO_GARS_HH_di SF_TO_GARS_SHOP_di SF_TO_LASA_MED_di
SF_TO_LASA_TRANSP_di 0 'Able to perform activity independently' 1 'Not able to perform activity
independently, regardless of difficulty'.

COMPUTE SF_TO_GARSdi_sum = SUM(SF_TO_GARS_DRES_di, SF_TO_GARS_CHAIR_di,
SF_TO_GARS_WASH_di, SF_TO_GARS_STAIRS_di, SF_TO_GARS_WALK_di, SF_TO_GARS_FEET_di,
SF_TO_GARS_HH_di, SF_TO_GARS_SHOP_di, SF_TO_LASA_MED_di, SF_TO_LASA_TRANSP_di).

EXECUTE.

IF (SF_TO_GARSdi_sum GT 0) SF_TO_GARS2_IND=1.

IF (SF_TO_GARSdi_sum = 0) SF_TO_GARS2_IND=0.

IF (SF_TO_MISNO_GARS >2) SF_TO_GARS2_IND=9999.

IF (missing(SF_TO_GARSdi_sum)) SF_TO_GARS2_IND=9999.

EXECUTE.

MISSING VALUES SF_TO_GARS2_IND (9999).

* GARS-2 (score 1-2-3 vs 4) ADL subscale sum score, based on 6 items.

COMPUTE SF_TO_GARSdi_ADLsum= SUM(SF_TO_GARS_DRES_di, SF_TO_GARS_CHAIR_di,
SF_TO_GARS_WASH_di, SF_TO_GARS_STAIRS_di, SF_TO_GARS_WALK_di, SF_TO_GARS_FEET_di).

EXECUTE.

IF (SF_TO_GARSdi_ADLsum GT 0) SF_TO_GARS2ADL_IND=1.

IF (SF_TO_GARSdi_ADLsum = 0) SF_TO_GARS2ADL_IND=0.

IF (SF_TO_MISNO_ADL >1) SF_TO_GARS2ADL_IND=9999.

IF (missing(SF_TO_GARSdi_ADLsum)) SF_TO_GARS2ADL_IND=9999.

EXECUTE.

MISSING VALUES SF_TO_GARS2ADL_IND (9999).

* GARS-2 (score 1-2-3 vs 4) iADL subscale sum score, based on 4 items.

COMPUTE SF_TO_GARSdi_iADLsum= SUM(SF_TO_GARS_HH_di, SF_TO_GARS_SHOP_di,
SF_TO_LASA_MED_di, SF_TO_LASA_TRANSP_di).

EXECUTE.

IF (SF_TO_GARSdi_iADLsum GT 0) SF_TO_GARS2iADL_IND=1.

IF (SF_TO_GARSdi_iADLsum = 0) SF_TO_GARS2iADL_IND=0.

IF (SF_TO_MISNO_iADL >1) SF_TO_GARS2iADL_IND=9999.

IF (missing(SF_TO_GARSdi_iADLsum)) SF_TO_GARS2iADL_IND=9999.

EXECUTE.

MISSING VALUES SF_T0_GARS2iADL_IND (9999).

VARIABLE LABELS

SF_T0_GARSdi_sum 'Sum score of dichotomous scores (score 1-2-3 vs 4) for all (i)ADL items'

SF_T0_GARS2_IND 'Dichotomous score based on GARS-4 (score 1-2-3 vs 4): ADL/iADL limitations - independence'

SF_T0_GARSdi_ADLsum 'Sum score of dichotomous scores (score 1-2-3 vs 4) for all ADL items'

SF_T0_GARS2ADL_IND 'Dichotomous score based on GARS-4 (score 1-2-3 vs 4): ADL limitations - independence'

SF_T0_GARSdi_iADLsum 'Sum score of dichotomous scores (score 1-2-3 vs 4) for all iADL items'

SF_T0_GARS2iADL_IND 'Dichotomous score based on GARS-4 (score 1-2-3 vs 4): iADL limitations - independence'.

VALUE LABELS SF_T0_GARS2_IND 0 '(i)ADL limitations - independence: cannot perform 1 or more activities independently' 1 'No (i)ADL limitations - independence: can perform all activities independently'.

VALUE LABELS SF_T0_GARS2ADL_IND 0 'ADL limitations - independence: cannot perform 1 or more activities independently' 1 'No ADL limitations - independence: can perform all activities independently'.

VALUE LABELS SF_T0_GARS2iADL_IND 0 'iADL limitations - independence: cannot perform 1 or more activities independently' 1 'No iADL limitations - independence: can perform all activities independently'.

* B- Dichotomising GARS-4: score 2-3-4 vs score 1 -> to determine whether the care receiver has ANY difficulty with performing activities.

* 0=no difficulty (score 1), 1= difficulty (score 2-3-4).

IF (SF_T0_GARS_DRES>=2) SF_T0_GARS_DRES_di2=1.

IF (SF_T0_GARS_DRES=1) SF_T0_GARS_DRES_di2=0.

```
IF (SF_TO_GARS_CHAIR>=2) SF_TO_GARS_CHAIR_di2=1.
IF (SF_TO_GARS_CHAIR=1) SF_TO_GARS_CHAIR_di2=0.
IF (SF_TO_GARS_WASH>=2) SF_TO_GARS_WASH_di2=1.
IF (SF_TO_GARS_WASH=1) SF_TO_GARS_WASH_di2=0.
IF (SF_TO_GARS_STAIRS>=2) SF_TO_GARS_STAIRS_di2=1.
IF (SF_TO_GARS_STAIRS=1) SF_TO_GARS_STAIRS_di2=0.
IF (SF_TO_GARS_WALK>=2) SF_TO_GARS_WALK_di2=1.
IF (SF_TO_GARS_WALK=1) SF_TO_GARS_WALK_di2=0.
IF (SF_TO_GARS_FEET>=2) SF_TO_GARS_FEET_di2=1.
IF (SF_TO_GARS_FEET=1) SF_TO_GARS_FEET_di2=0.
IF (SF_TO_GARS_HH>=2) SF_TO_GARS_HH_di2=1.
IF (SF_TO_GARS_HH=1) SF_TO_GARS_HH_di2=0.
IF (SF_TO_GARS_SHOP>=2) SF_TO_GARS_SHOP_di2=1.
IF (SF_TO_GARS_SHOP=1) SF_TO_GARS_SHOP_di2=0.
IF (SF_TO_LASA_MED>=2) SF_TO_LASA_MED_di2=1.
IF (SF_TO_LASA_MED=1) SF_TO_LASA_MED_di2=0.
IF (SF_TO_LASA_TRANSP>=2) SF_TO_LASA_TRANSP_di2=1.
IF (SF_TO_LASA_TRANSP=1) SF_TO_LASA_TRANSP_di2=0.
EXECUTE.
```

VARIABLE LABELS

```
SF_TO_GARS_DRES_di2 'Dichotomous score 2 SF_TO_GARS_DRES baseline'
SF_TO_GARS_CHAIR_di2 'Dichotomous score 2 SF_TO_GARS_CHAIR baseline'
SF_TO_GARS_WASH_di2 'Dichotomous score 2 SF_TO_GARS_WASH baseline'
SF_TO_GARS_STAIRS_di2 'Dichotomous score 2 SF_TO_GARS_STAIRS baseline'
SF_TO_GARS_WALK_di2 'Dichotomous score 2 SF_TO_GARS_WALK baseline'
SF_TO_GARS_FEET_di2 'Dichotomous score 2 SF_TO_GARS_FEET baseline'
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SF_TO_GARS_HH_di2 'Dichotomous score 2 SF_TO_GARS_HH baseline'

SF_TO_GARS_SHOP_di2 'Dichotomous score 2 SF_TO_GARS_SHOP baseline'

SF_TO_LASA_MED_di2 'Dichotomous score 2 SF_TO_LASA_MED baseline'

SF_TO_LASA_TRANSP_di2 'Dichotomous score 2 SF_TO_LASA_TRANSP baseline'.

VALUE LABELS

SF_TO_GARS_DRES_di2 SF_TO_GARS_CHAIR_di2 SF_TO_GARS_WASH_di2 SF_TO_GARS_STAIRS_di2
SF_TO_GARS_WALK_di2 0 'No difficulty with performing this activity' 1 'Difficulty with performing
this activity' /

SF_TO_GARS_FEET_di2 SF_TO_GARS_HH_di2 SF_TO_GARS_SHOP_di2 SF_TO_LASA_MED_di2
SF_TO_LASA_TRANSP_di2 0 'No difficulty with performing this activity' 1 'Difficulty with performing
this activity'.

COMPUTE SF_TO_GARSdi2_sum = SUM(SF_TO_GARS_DRES_di, SF_TO_GARS_CHAIR_di,
SF_TO_GARS_WASH_di, SF_TO_GARS_STAIRS_di, SF_TO_GARS_WALK_di, SF_TO_GARS_FEET_di,
SF_TO_GARS_HH_di, SF_TO_GARS_SHOP_di, SF_TO_LASA_MED_di, SF_TO_LASA_TRANSP_di).

EXECUTE.

IF (SF_TO_GARSdi2_sum GT 0) SF_TO_GARS2_DIF=1.

IF (SF_TO_GARSdi2_sum = 0) SF_TO_GARS2_DIF=0.

IF (SF_TO_MISNO_GARS >2) SF_TO_GARS2_DIF=9999.

IF (missing(SF_TO_GARSdi2_sum)) SF_TO_GARS2_DIF=9999.

EXECUTE.

MISSING VALUES SF_TO_GARS2_DIF (9999).

* GARS-2 (score 1-2-3 vs 4) ADL subscale sum score, based on 6 items.

COMPUTE SF_TO_GARSdi2_ADLsum= SUM(SF_TO_GARS_DRES_di, SF_TO_GARS_CHAIR_di,
SF_TO_GARS_WASH_di, SF_TO_GARS_STAIRS_di, SF_TO_GARS_WALK_di, SF_TO_GARS_FEET_di).

EXECUTE.

```
IF (SF_TO_GARSdi2_ADLsum GT 0) SF_TO_GARS2ADL_DIF=1.
IF (SF_TO_GARSdi2_ADLsum = 0) SF_TO_GARS2ADL_DIF=0.
IF (SF_TO_MISNO_ADL >1) SF_TO_GARS2ADL_DIF=9999.
IF (missing(SF_TO_GARSdi2_ADLsum)) SF_TO_GARS2ADL_DIF=9999.
EXECUTE.
MISSING VALUES SF_TO_GARS2ADL_DIF (9999).
```

* GARS-2 (score 1-2-3 vs 4) iADL subscale sum score, based on 4 items.

```
COMPUTE SF_TO_GARSdi2_iADLsum= SUM(SF_TO_GARS_HH_di, SF_TO_GARS_SHOP_di,
SF_TO_LASA_MED_di, SF_TO_LASA_TRANSP_di).
```

```
EXECUTE.
```

```
IF (SF_TO_GARSdi2_iADLsum GT 0) SF_TO_GARS2iADL_DIF=1.
IF (SF_TO_GARSdi2_iADLsum = 0) SF_TO_GARS2iADL_DIF=0.
IF (SF_TO_MISNO_iADL >1) SF_TO_GARS2iADL_DIF=9999.
IF (missing(SF_TO_GARSdi2_iADLsum)) SF_TO_GARS2iADL_DIF=9999.
EXECUTE.
MISSING VALUES SF_TO_GARS2iADL_DIF (9999).
```

VARIABLE LABELS

SF_TO_GARSdi2_sum 'Sum score of dichotomous scores (score 2-3-4 vs 1) for all (i)ADL items'

SF_TO_GARS2_DIF 'Dichotomous score based on GARS-4 (score 2-3-4 vs 1): ADL/iADL limitations - difficulty'

SF_TO_GARSdi2_ADLsum 'Sum score of dichotomous scores (score 2-3-4 vs 1) for all ADL items'

SF_TO_GARS2ADL_DIF 'Dichotomous score based on GARS-4 (score 2-3-4 vs 1): ADL limitations - difficulty'

SF_TO_GARSdi2_iADLsum 'Sum score of dichotomous scores (score 2-3-4 vs 1) for all iADL items'

SF_TO_GARS2iADL_DIF 'Dichotomous score based on GARS-4 (score 2-3-4 vs 1): iADL limitations - difficulty'.

VALUE LABELS SF_TO_GARS2_DIF 0 'No (i)ADL limitations - difficulty: can perform all activities independently' 1 '(i)ADL limitations - difficulty: has difficulty with performing 1 or more activities'.

VALUE LABELS SF_TO_GARS2ADL_DIF 0 'No ADL limitations - difficulty: has no difficulty with performing activities' 1 'ADL limitations - difficulty: has difficulty with performing 1 or more activities'.

VALUE LABELS SF_TO_GARS2iADL_DIF 0 'No iADL limitations - difficulty: has no difficulty with performing activities' 1 'iADL limitations - difficulty: has difficulty with performing 1 or more activities'.

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*** GARS-3: recoding GARS-4 and calculating sum score ***.

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* Recoding GARS-4 into GARS-3: score 1 = 1, score 2 = 2, score 3 recode into 2 and score 4 recode into 3 (see GARS manual).

IF (SF_TO_GARS_DRES=1) SF_TO_GARS_DRES_rec=1.

IF (SF_TO_GARS_DRES=2) SF_TO_GARS_DRES_rec=2.

IF (SF_TO_GARS_DRES=3) SF_TO_GARS_DRES_rec=2.

IF (SF_TO_GARS_DRES=4) SF_TO_GARS_DRES_rec=3.

IF (SF_TO_GARS_CHAIR=1) SF_TO_GARS_CHAIR_rec=1.

IF (SF_TO_GARS_CHAIR=2) SF_TO_GARS_CHAIR_rec=2.

IF (SF_TO_GARS_CHAIR=3) SF_TO_GARS_CHAIR_rec=2.

IF (SF_TO_GARS_CHAIR=4) SF_TO_GARS_CHAIR_rec=3.

IF (SF_TO_GARS_WASH=1) SF_TO_GARS_WASH_rec=1.

IF (SF_TO_GARS_WASH=2) SF_TO_GARS_WASH_rec=2.

IF (SF_TO_GARS_WASH=3) SF_TO_GARS_WASH_rec=2.

IF (SF_TO_GARS_WASH=4) SF_TO_GARS_WASH_rec=3.

IF (SF_TO_GARS_STAIRS=1) SF_TO_GARS_STAIRS_rec=1.
IF (SF_TO_GARS_STAIRS=2) SF_TO_GARS_STAIRS_rec=2.
IF (SF_TO_GARS_STAIRS=3) SF_TO_GARS_STAIRS_rec=2.
IF (SF_TO_GARS_STAIRS=4) SF_TO_GARS_STAIRS_rec=3.
IF (SF_TO_GARS_WALK=1) SF_TO_GARS_WALK_rec=1.
IF (SF_TO_GARS_WALK=2) SF_TO_GARS_WALK_rec=2.
IF (SF_TO_GARS_WALK=3) SF_TO_GARS_WALK_rec=2.
IF (SF_TO_GARS_WALK=4) SF_TO_GARS_WALK_rec=3.
IF (SF_TO_GARS_FEET=1) SF_TO_GARS_FEET_rec=1.
IF (SF_TO_GARS_FEET=2) SF_TO_GARS_FEET_rec=2.
IF (SF_TO_GARS_FEET=3) SF_TO_GARS_FEET_rec=2.
IF (SF_TO_GARS_FEET=4) SF_TO_GARS_FEET_rec=3.
IF (SF_TO_GARS_HH=1) SF_TO_GARS_HH_rec=1.
IF (SF_TO_GARS_HH=2) SF_TO_GARS_HH_rec=2.
IF (SF_TO_GARS_HH=3) SF_TO_GARS_HH_rec=2.
IF (SF_TO_GARS_HH=4) SF_TO_GARS_HH_rec=3.
IF (SF_TO_GARS_SHOP=1) SF_TO_GARS_SHOP_rec=1.
IF (SF_TO_GARS_SHOP=2) SF_TO_GARS_SHOP_rec=2.
IF (SF_TO_GARS_SHOP=3) SF_TO_GARS_SHOP_rec=2.
IF (SF_TO_GARS_SHOP=4) SF_TO_GARS_SHOP_rec=3.
IF (SF_TO_LASA_MED=1) SF_TO_LASA_MED_rec=1.
IF (SF_TO_LASA_MED=2) SF_TO_LASA_MED_rec=2.
IF (SF_TO_LASA_MED=3) SF_TO_LASA_MED_rec=2.
IF (SF_TO_LASA_MED=4) SF_TO_LASA_MED_rec=3.
IF (SF_TO_LASA_TRANSP=1) SF_TO_LASA_TRANSP_rec=1.
IF (SF_TO_LASA_TRANSP=2) SF_TO_LASA_TRANSP_rec=2.
IF (SF_TO_LASA_TRANSP=3) SF_TO_LASA_TRANSP_rec=2.

IF (SF_TO_LASA_TRANSP=4) SF_TO_LASA_TRANSP_rec=3.

EXECUTE.

VARIABLE LABELS

SF_TO_GARS_DRES_rec 'Recoded score SF_TO_GARS_DRES baseline for GARS-3 for GARS-3'

SF_TO_GARS_CHAIR_rec 'Recoded score SF_TO_GARS_CHAIR baseline for GARS-3 for GARS-3'

SF_TO_GARS_WASH_rec 'Recoded score SF_TO_GARS_WASH baseline for GARS-3 for GARS-3'

SF_TO_GARS_STAIRS_rec 'Recoded score SF_TO_GARS_STAIRS baseline for GARS-3'

SF_TO_GARS_WALK_rec 'Recoded score SF_TO_GARS_WALK baseline for GARS-3'

SF_TO_GARS_FEET_rec 'Recoded score SF_TO_GARS_FEET baseline for GARS-3'

SF_TO_GARS_HH_rec 'Recoded score SF_TO_GARS_HH baseline for GARS-3'

SF_TO_GARS_SHOP_rec 'Recoded score SF_TO_GARS_SHOP baseline for GARS-3'

SF_TO_LASA_MED_rec 'Recoded score SF_TO_LASA_MED baseline for GARS-3'

SF_TO_LASA_TRANSP_rec 'Recoded score SF_TO_LASA_TRANSP baseline for GARS-3'.

VALUE LABELS SF_TO_GARS_DRES_rec SF_TO_GARS_CHAIR_rec SF_TO_GARS_WASH_rec
SF_TO_GARS_STAIRS_rec SF_TO_GARS_WALK_rec SF_TO_GARS_FEET_rec SF_TO_GARS_HH_rec
SF_TO_GARS_SHOP_rec SF_TO_LASA_MED_rec SF_TO_LASA_TRANSP_rec

1 'Yes, I can do it fully independently, without any difficulty'

2 'Yes, I can do it fully independently, but with difficulty'

3 'No, I cannot do it independently, only with someone's help'.

* GARS-3 sum score.

COMPUTE SF_TO_GARS3_sum= SUM(SF_TO_GARS_DRES_rec, SF_TO_GARS_CHAIR_rec,
SF_TO_GARS_WASH_rec, SF_TO_GARS_STAIRS_rec, SF_TO_GARS_WALK_rec, SF_TO_GARS_FEET_rec,
SF_TO_GARS_HH_rec, SF_TO_GARS_SHOP_rec, SF_TO_LASA_MED_rec, SF_TO_LASA_TRANSP_rec).

EXECUTE.

IF (missing(SF_TO_GARS3_sum)) SF_TO_GARS3_sum=9999.

IF (SF_TO_MISNO_GARS >2) SF_TO_GARS3_sum=9999.

EXECUTE.

MISSING VALUES SF_TO_GARS3_sum (9999).

* GARS-3 ADL subscale sum score, based on 6 items.

COMPUTE SF_TO_GARS3ADL_sum= SUM(SF_TO_GARS_DRES_rec, SF_TO_GARS_CHAIR_rec,
SF_TO_GARS_WASH_rec, SF_TO_GARS_STAIRS_rec, SF_TO_GARS_WALK_rec, SF_TO_GARS_FEET_rec).

EXECUTE.

IF (missing(SF_TO_GARS3ADL_sum)) SF_TO_GARS3ADL_sum=9999.

IF (SF_TO_MISNO_ADL >1) SF_TO_GARS3ADL_sum=9999.

EXECUTE.

MISSING VALUES SF_TO_GARS3ADL_sum (9999).

* GARS-3 iADL subscale sum score, based on 4 items.

COMPUTE SF_TO_GARS3iADL_sum= SUM(SF_TO_GARS_HH_rec, SF_TO_GARS_SHOP_rec,
SF_TO_LASA_MED_rec, SF_TO_LASA_TRANSP_rec).

EXECUTE.

IF (missing(SF_TO_GARS3iADL_sum)) SF_TO_GARS3iADL_sum=9999.

IF (SF_TO_MISNO_iADL >1) SF_TO_GARS3iADL_sum=9999.

EXECUTE.

MISSING VALUES SF_TO_GARS3iADL_sum (9999).

VARIABLE LABELS

SF_TO_GARS3_sum 'Sum score GARS-3 baseline'

SF_T0_GARS3ADL_sum 'Sum score GARS-3 ADL subscale baseline'

SF_T0_GARS3iADL_sum 'Sum score GARS-3 iADL subscale baseline'.