Self-reported hearing status

The following syntax can be used to obtain the two versions of the summed scores:

It is applied to the data of wave E. Variables to be used:

<table>
<thead>
<tr>
<th>Variable</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>esense09</td>
<td>Follow conversation 4 persons: without HA</td>
</tr>
<tr>
<td>esense10</td>
<td>Follow conversation 4 persons: with HA</td>
</tr>
<tr>
<td>esense11</td>
<td>Have conversation 1 person: without HA</td>
</tr>
<tr>
<td>esense12</td>
<td>Have conversation 1 person: with HA</td>
</tr>
<tr>
<td>esense13</td>
<td>Can use normal Telephone</td>
</tr>
</tbody>
</table>

***Summed score- without accounting for hearing aid use

missing values esense09 esense11 esense13 (.).
compute ehearSR_sum_woHA = esense09+esense11+ esense13 .
if (esense09<0  | esense11<0 | esense13<0) ehearSR_sum_woHA = -1.
fre ehearSR_sum_woHA .
value labels ehearSR_sum_woHA -1'no summed score, see esense09 and/or 11 and/or 13' .
variable labels ehearSR_sum_woHA 'Summed score of esense09, 11 and 13, self-report, without accounting for hearing aid'.
missing values esense09 esense11 esense13 (-2, -1).
missing values ehearSR_sum_woHA (-1).

*Using this syntax, of Respondents with -1 (na, asked) of -2 (na, see ESENSE01), no summed scores could be computed and are assigned -1.

***Summed score- accounting for hearing aid use

*First, a score has to be computed that combines esense09 and 10, and esense11 and 12.

*First for esense09 and 10:

missing values esense09 esense10 (.).
compute esense0910= esense09 .
if ((esense09 = 2 | esense09 = 3 |esense09 = 4) & (esense10= 1 | esense10= 2 | esense10= 3 | esense10= 4)) esense0910= esense10.
variable labels esense0910 'Answers while using hearing aid (esense10) en without a hearing aid (esense09), taken together'.
value labels esense0910 -1'na' 1'yes, without difficulty' 2'yes, with some difficulty' 3'yes, with much difficulty' 4'no, I cannot' .
fre esense0910.
missing values esense09 esense10 (-2,-1).
missing values esense0910 (-1).

*The same can be performed for esense11 en 12.

missing values esense11 esense12 ()
compute esense1112= esense11 .
if ((esense11 = 2 | esense11 = 3 | esense11 = 4) & (esense12= 1 | esense12= 2 | esense12= 3 | esense12= 4)) esense1112= esense12.
variable labels esense1112 'Answers while using hearing aid (esense12) en without a hearing aid (esense11), taken together'.
value labels esense1112 -1'na' 1'yes, without difficulty' 2'yes, with some difficulty' 3'yes, with much difficulty' 4'no, I cannot' .
fre esense1112.
missing values esense11 esense12 (-2,-1).
missing values esense1112 (-1).

**Now, the summed score that accounts for hearing aid use can be computed:

missing values esense0910 esense1112 esense13() .
compute ehearSR_sum_wwoHA = esense0910+esense1112+ esense13 .
IF (esense0910<0 | esense1112<0 | esense13<0) ehearSR_sum_wwoHA = -1.
fre ehearSR_sum_wwoHA .
value labels ehearSR_sum_wwoHA -1'no summed score, see esense0910 and/or 1112 and/or 13' .
variable labels ehearSR_sum_wwoHA 'Summed score of esense0910, 1112 and 13, self-report, with and without hearing aid'.
missing values esense0910 esense1112 esense13 ehearSR_sum_wwoHA (-1).

*This score can be transformed in a categorical variable (3 levels of hearing status) that was mentioned earlier in this document.