
8.5.2 FACTOR FOR PERSONS AGED 16 YEARS OLD OR MORE

Calculated using the Factor for all household persons (obtained in step 4) and is modified in the following two steps:

Step 1. Correction of non-response in Individual Questionnaires. Using the factor WP_i^t the **factor for persons aged 16 or more who have completed the individual questionnaire** is constructed correcting the non-response that appears in individual questionnaires:

$$WCI_i^t = \frac{\sum_{j \in G_i} WP_j^t}{\sum_{j \in G_i} WP_j^t \cdot R_j} \cdot WP_i^t$$

Where:

- Variable R is 1 in individual j when he/she has completed the individual questionnaire and 0 if not.
- G_i is the series of persons in the same Autonomous Community and age group and sex. The sex and age groups considered are the 22 groups mentioned in the general case in section 4¹.

Step 2. Grouping of the four Rotation shifts. The last step is to group the factors of the four shifts weighting them by the number of Individual questionnaires in each, by Autonomous Community.

The Factor for persons aged 16 years old or more who have completed the individual questionnaire is:

$$WCI_i = \frac{ci_{ca}^t}{ci_{ca}} WCI_i^t$$

Where ci_{ca}^t represents the sample number of Individual questionnaires in the Autonomous Community ca and rotation shift t and ci_{ca} represents the actual sample number of individual questionnaires for the Autonomous Community ca

$$\left(ci_{ca} = \sum_{t=1}^4 ci_{ca}^t \right)$$

¹ Except in Cantabria and the Comunidad de Madrid, where groups have had to be grouped given the scarcity of the sample.

