**Supplementary Materials**

**Supplementary Text 1.**  Model specification

Logit [P (Yi = 1 | X = X1, X2)] = β0 + β1 \* X1 + β2 \* X2

Logit [P (Yi = 1 | infcare, profcare)] = β0 + β1 \* infcare + β2 \* profcare

Parameter notes: Where Yi: Stated health status, Negative impact on health, Depression, Anxiety, Feeling alone, Making sacrifices, Feeling the need to be replaced. X1: duration of informal care provided and X2: professional care.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Dependent variables | Y1: Stated health statusRef. 1=Very good or good | Y2: Negative impact on healthRef. 1=Yes | Y3: DepressionRef. 1=Yes | Y4: Anxiety Ref. 1=Yes | Y5: Feeling aloneRef. 1=Yes | Y6: Making sacrificesRef. 1=Yes | Y7: Feeling the need to be replacedRef. 1=Yes |
| Effect size | OR (95% CI) | OR (95% CI) | OR (95% CI) | OR (95% CI) | OR (95% CI) | OR (95% CI) | OR (95% CI) |
| Independent variables*Duration of informal care provided* |  |  |  |  |  |  |  |
|  Model 1a Model 2b | 0.74 (0.38-1.42)0.97 (0.47-1.99) | 2.16 (0.98-4.77)\*1.54 (0.66-3.60) | 1.23 (0.48-3.14)0.65 (0.22-1.90) | 2.25 (1.14-4.46)\*\*1.73 (0.83-3.60) | 2.61 (1.30-5.24)\*\*\*2.15 (1.02-4.5)\* | 2.23 (1.03-4.51)\*\*1.87 (0.89-3.94)\* | 2.09 (0.91-4.83)\*2.89 (1.15-7.30)\* |
| *Professional care* NoYesModel 1 Model 2Hosmer –Lemeshow test ‘Model 2’AUCd ‘Model 2’ | Reference (1.00)1.25 (0.65-2.40)1.37 (0.62-3.05)§0.72 | Reference (1.00)0.67 (0.31-1.44)0.49 (0.20-1.22)§0.70 | Reference (1.00)0.71 (0.28-1.79)0.38 (0.12-1.23)§0.73 | Reference (1.00)0.68 (0.35-1.34)0.54 (0.24-1.22)§0.71 | Reference (1.00)0.54 (0.27-1.07)\*0.51 (0.23-1.14)\*§0.72 | Reference (1.00)0.45 (0.22-0.90)\*0.40 (0.17-0.88)\*§0.71 | Reference (1.00)0.19 (0.08-0.45)\*\*\*0.19 (0.07-0.51)\*\*\*§0.76 |

**Supplementary Table 1.** Association of caregiving activity with the health indicators stated by caregivers according a logistic regression.

a Model 1 : unadjusted. b Model 2 : adjusted for sex, age, and cohabitation. dAUC: area under the ROC curve with adjusted model (Model 2).

OR: Odds Ratio; CI: Confidence Interval

\*\*\* p < 0.01; \*\* p < 0.05 and \* p < 0.1

§ p>0.05.

**Supplementary Table 2.** Estimation of the average value of informal care provided per main caregiver according to the time of the occurrence of the MI event (in euros)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Valuation method | MI onset <1 year (±SD) | MI onset ≥1 year (±SD) | Totald (±SD) | Mean cost of 1 hour (median) [min-max]  |
| *Contingent valuation methodabc (n=79)* | n=23 | n=56 |  |  |
|  Unrestricted Restricted | 12,089 (±15,362) (1)11,545 (±12,913)  | 8,689 (±15,555) (3)8,000 (±13,888) | 9,679 (±18,827) (5)9,033 (±16,933) | 10.9 (10.0) [0.0-30.0]10.8 (10.0) [0.0-30.0] |
| *Opportunity cost method (n=147)* Unrestricted Restricted*Proxy good method (n=147)* Unrestricted RestrictedT-test (*p* value) | n=5211,925 (±13,464)10,904 (±10,789)n=5211,727 (±13,593) (2)10,707 (±10,930)(1)(2) : >0.05 | n=9510,939 (±14,771) (4)9,627 (±11,345)n=9510,513 (±14,933)9,185 (±11,424)(3)(4) : >0.05 | 11,288 (±14,284) (6)10,079 (±11,131)10,943 (±14,438)9,723 (±11,238)(5)(6) : >0.05 | 10.6 (9.9) [9.4-16.3]10.7 (9.9) [9.5-16.3]8.6 (8.6) [8.6-8.6]8.6 (8.6) [8.6-8.6] |

a Sixty individuals were not able to provide a WTP value.

b Eight individuals refused to provide a WTP value

c Twenty caregivers indicated a WTP equal to 0.

d Total means the average cost of informal care per main caregiver per year.

All statistics were performed with Student test.

**Supplementary Table 3.** Estimation of the average value of informal care provided per main caregivers according to cohabitation (in euros)

|  |  |  |  |
| --- | --- | --- | --- |
| Valuation method | Total (±SD) | Mean cost of 1 hour (median) [min-max]  | *p* value |
| *Contingent valuation method(n=79)* |  |  |  |
|  Cohabitation Non-cohabitation | 11,391 (±3,650)7,833 (±1,356) | 11.5 (10.0) [0.0-30.0]10.1 (10.0) [0.0-30.0] | <0.05 |
| *Opportunity cost method (n=147)* Cohabitation Non-cohabitation*Proxy good method (n=147)* Cohabitation Non-cohabitation | 13,638 (±7,212)7,834 (±3,606)13,797 (±7,212)7,029 (±3,521) | 10.2 (9.9) [9.4-16.3]11.0 (9.9) [9.5-16.3]8.6 (8.6) [8.6-8.6]8.6 (8.6) [8.6-8.6] | <0.05<0.05 |

All statistics were performed with Student test.