

Portuguese adults' health status perception



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Introduction and Aim

Health status perception is a general indicator of physical and psychological well-being and reflects different lifestyles' variables.

The **aim** of this work was to evaluate the determinants of health status perception among the Portuguese adult population.

Participants and Methods

Data from the study "Portuguese Population's Food Habits and Lifestyles" were used. A national representative sample of 3529 Portuguese adults was interviewed at home between February and April 2009. Health status was evaluated by the EQ-5D (Szende et al. 1997). The EQ visual analogue scale rates the subject's own assessment of their health status (0 = *worst imaginable health*; 100 = *best imaginable health*). Physical activity was evaluated by the International Physical Activity Questionnaire (IPAQ; Craig et al. 2003). The present analysis is carried out in 2811 subjects due to incompleteness of 718 records.

A binary logistic regression model was computed to estimate the odds of lower perception of own health status (EQ visual analogue scale under the median) among Portuguese adults according to their sex, age and education level, civil status, professional occupation, region of residence, BMI category (WHO 1998), physical activity level, smoking habits and problems identified in each of the EQ-5D dimensions (mobility, self-care, usual activities, pain/discomfort and anxiety/depression) (OR adjusted for all other variables).

Results and Discussion

Portuguese adults show high health status perception, being the median on the EQ visual analogue scale of 80. According to our data, only 7.0% of the Portuguese adult population rate their perception of own health status below the middle point of the scale.

Older, underweight (vs. normal weight), widowed (vs. married), unemployed (vs. active) and living in any region except North were found to have a lower perception of health status. The presence of problems in three of the five EQ-5D dimensions (mobility, pain/discomfort and anxiety/depression) was also associated with lower perception of health status (Table 1).

To our knowledge this is the first study to assess the perception of health status in a representative sample of Portuguese adults. Future research should explore the causes of lower health status perception being associated with demographic characteristics.

References

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Table 1. Determinants of lower health status perception.

	Health status Mean	OR (95%CI)	OR adj. (95%CI)
SEX			
Female	74.8	1 (reference)	1 (reference)
Male	77.9	0.786 (0.684 0908)	0.935 (0.763 1147)
AGE			
18 29years	85.6	1 (reference)	1 (reference)
30 44years	80.9	1.972 (1.574 2471)	1.691 (1.207 2370)
45 64years	72.7	4.726 (3.834 5832)	2.987 (2.086 4277)
≥ 65 years	62.6	14.300 (10.942 18687)	4.389 (2.597 7416)
EDUCATION LEVEL			
< 4th grade	59.1	14.024 (8.590 22897)	1.863 (1.022 3398)
4th grade completed	66.2	4.025 (3.126 5182)	1.224 (0.864 1734)
6th grade completed	73.4	2.369 (1.765 3180)	1.143 (0.794 1645)
9th grade completed	79.3	1.261 (1.006 1579)	1.079 (0.824 1414)
12th grade completed	81.9	0.823 (0.662 1022)	1.098 (0.844 1429)
Bachelor/universitary	80.0	1 (reference)	1 (reference)
CIVIL STATUS			
Married	75.7	1 (reference)	1 (reference)
Single	83.7	0.393 (0.329 0469)	0.895 (0.664 1205)
Separated/divorced	73.1	1.455 (1.120 1890)	1.323 (0.968 1807)
Widowed	61.2	5.000 (3.695 6765)	1.590 (1.079 2344)
PROFESSIONAL OCCUPATION			
Active	79.1	1 (reference)	1 (reference)
Student	87.3	0.353 (0.273 0456)	0.981 (0.666 1444)
Unemployed	74.4	1.923 (1.432 2582)	2.570 (1.797 3675)
Housewife/househusband	67.1	3.636 (2.578 5130)	1.217 (0.769 1926)
Retired	64.1	4.609 (3.725 5702)	0.905 (0.619 1324)
REGION OF RESIDENCE			
Norte	82.9	1 (reference)	1 (reference)
Centro	72.6	3.091 (2.497 3826)	4.364 (3.363 5663)
LVT	72.1	2.559 (2.142 3056)	3.657 (2.894 4625)
Alentejo	74.0	1.940 (1.364 2765)	1.792 (1.157 2776)
Algarve	70.7	3.061 (1.930 4854)	4.744 (2.769 8129)
Madeira	71.2	3.050 (1.837 5063)	4.177 (2.297 7594)
Açores	76.7	1.862 (1.102 3144)	2.157 (1.147 4056)
BMI CATEGORY			
Underweight (< 18.50)	75.0	1.371 (0.755 2489)	2.201 (1.087 4457)
Normal (18.50 24.99)	80.0	1 (reference)	1 (reference)
Pre obesity (25.00 29.99)	73.9	1.878 (1.607 2195)	1.208 (0.977 1494)
Obesity (≥ 30.00)	68.7	3.571 (2.748 4641)	1.304 (0.927 1835)
PHYSICAL ACTIVITY LEVEL			
High	79.0	1 (reference)	1 (reference)
Moderate	76.7	1.240 (1.046 1469)	1.241 (0.997 1544)
Low	72.2	2.071 (1.697 2527)	1.149 (0.881 1499)
SMOKING HABITS			
Never smoked	76.1	1 (reference)	1 (reference)
Ex smoker	72.8	1.338 (1.082 1655)	0.999 (0.763 1309)
Smoker	78.8	0.750 (0.632 0891)	1.241 (0.997 1544)
MOBILITY			
No problems	79.0	1 (reference)	1 (reference)
Some/severe problems	55.1	23.755 (14.872 37944)	5.027 (2.916 8667)
SELF CARE			
No problems	77.2	1 (reference)	1 (reference)
Some/severe problems	52.6	19.874 (8.977 43996)	1.603 (0.608 4225)
USUAL ACTIVITIES			
No problems	78.1	1 (reference)	1 (reference)
Some/severe problems	56.1	10.844 (7.180 16377)	1.075 (0.624 1854)
PAIN/DISCOMFORT			
No problems	81.2	1 (reference)	1 (reference)
Some/severe problems	62.9	7.525 (6.189 9151)	2.699 (2.100 3470)
ANXIETY/DEPRESSION			
No problems	79.6	1 (reference)	1 (reference)
Some/severe problems	65.9	4.297 (3.568 5175)	2.520 (2.009 3160)