



# IRAN STEPS Survey 2007

Fact Sheet 1386

The third round of STEPS survey of chronic disease risk factors in Iran was carried out from May, 2007 to June, 2007. It included Socio demographic, behavioral information in Step 1. Physical measurements such as height, weight and blood pressure in Step 2 and biochemical measurements to assess blood glucose and cholesterol levels in Step 3. The STEPS survey in Iran was a population-based survey of adults aged 15-64. A cluster sample design was used to produce representative data for that age range in Iran. A total of 30000 adults participated in this survey. It is followed by the fourth survey in 2008.

Results for adults aged 15-64 years (incl. 95% CI) (adjust if necessary)	Both Sexes	Males	Females
<b>Step 1 Tobacco Use</b>			
Percentage who currently smoke tobacco daily	11.39 [10.82,11.99]	21.65 [21.11,22.21]	0.88 [0.74,1.04]
<i>For those who smoke tobacco daily</i>			
Average age started smoking (years)	20.19 [19.52,20.87]	19.49 [19.16,19.82]	20.92 [19.57,22.26]
Average years of smoking	13.11 [12.40,13.82]	14.00 [13.66,14.34]	12.20 [10.78,13.62]
Percentage smoking manufactured cigarettes	-----	-----	-----
<i>For smokers of manufactured cigarettes</i>			
Mean number of manufactured cigarettes smoked per day	11.62 [10.32,12.93]	12.26 [11.75,12.77]	10.97 [8.36,13.57]
<b>Step 1 Alcohol Consumption</b>			
Percentage of abstainers (who did not drink alcohol in the last year )	-----	-----	-----
Percentage of current drinkers (who drank alcohol in the past 30 days)	-----	-----	-----
<i>For those who drank alcohol in the last 30 days</i>			
Percentage of women who had 4 or more drinks on any day in the last week	-----	-----	-----
Percentage of men who had 5 or more drinks on any day in the last week	-----	-----	-----
Percentage who drank alcohol on 4 or more days in the last week	-----	-----	-----
<b>Step 1 Fruit and Vegetable Consumption (in a typical week)</b>			
Mean number of servings of fruit consumed per day	1.40 [1.34,1.46]	1.40 [1.32,1.47]	1.40 [1.33,1.46]
Mean number of servings of vegetables consumed per day	1.40 [1.33,1.46]	1.34 [1.27,1.41]	1.45 [1.38,1.53]
Percentage who ate 5 or more combined servings of fruit & vegetables per day	12.98 [11.71,14.37]	12.08 [11.40,12.78]	13.91 [13.10,14.76]
<b>Step 1 Physical Activity</b>			
Percentage with low levels of activity (defined as <600 MET-minutes/week)	35.21 [33.79,36.65]	24.32 [23.56,25.1]	46.36 [45.4,47.31]
Median time spent in work-related physical activity per day (minutes)	5.71	21.42	0
Median time spent in transport-related physical activity per day (minutes)	15	20	12.85
Median time spent in recreational physical activity per day (minutes)	0	0	0



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Results for adults aged 15-64 years (incl. 95% CI) ( <i>adjust if necessary</i> )	Both Sexes	Males	Females
<b>Step 2 Physical Measurements</b>			
Mean body mass index - BMI (kg/m <sup>2</sup> )	25.09 [24.98,25.19]	24.31 [24.18,24.45]	25.88 [25.73,26.03]
Percentage who are overweight or obese (BMI ≥ 25 kg/m <sup>2</sup> )	46.00 [44.99,47.02]	40.39 [39.68,41.10]	51.75 [51.09,52.40]5
Percentage who are obese (BMI ≥ 30 kg/m <sup>2</sup> )	16.74 [15.96,17.55]	11.25 [10.77,11.74]	22.37 [21.82,22.93]
Average waist circumference (cm)	84.59 [84.26,84.90]	85.47 [85.03,85.91]	83.69 [83.32,84.06]
Mean systolic blood pressure - SBP (mmHg)	119.5 [119.1,119.8]	123.0 [122.6,123.5]	115.9 [115.5,116.4]
Mean diastolic blood pressure - DBP (mmHg)	77.1 [76.8,77.4]	77.0 [76.6,77.3]	77.3 [77.0,77.6]
Percentage with raised BP (SBP ≥ 140 and/or DBP ≥ 90 mmHg)	17.38 [16.72,18.05]	17.63 [17.17,18.1]	17.12 [16.74,17.5]
Percentage with raised BP (SBP ≥ 170 and/or DBP ≥ 100 mmHg)	6.42 [6.09,6.78]	5.48 [5.23,5.75]	7.39 [7.17,7.61]
<b>Step 3 Biochemical Measurements</b>			
Mean fasting blood glucose (mmol/L)	89.24 [88.64,89.84]	89.51 [88.69,90.34]	88.96 [88.22,89.69]
Percentage with raised blood glucose (≥ 7.0 mmol/L)	9.69 [8.92,10.52]	9.41 [8.84,10.02]	9.97 [9.46,10.51]
Mean total blood cholesterol (mmol/L)	185.5 [184.4,186.7]	181.4 [179.9,182.8]	189.7 [188.2,191.2]
Percentage with raised total cholesterol (≥ 5.2 mmol/L)	32.84 [31.6,34.1]	29.5 [28.65,30.36]	36.26 [35.43,37.1]
Percentage with raised total cholesterol (≥ 6.5 mmol/L)	7.20 [6.63,7.82]	5.6 [5.29,5.92]	8.86 [8.41,9.33]
<b>Summary of combined risk factors</b>			
<ul style="list-style-type: none"> <li>• <b>current daily smokers</b></li> <li>• <b>less than 5 servings of fruits &amp; vegetables per day</b></li> <li>• <b>Low level of activity</b> (&lt;600 MET -minutes)</li> <li>• <b>overweight or obese</b> (BMI ≥ 25 kg/m<sup>2</sup>)</li> <li>• <b>raised BP</b> (SBP ≥ 140 and/or DBP ≥ 90 mmHg)</li> </ul>			
Percentage with low risk (i.e. none of the risk factors included above)	3.84 [3.39,4.36]	4.36 [4.02,4.73]	3.31 [3.04,3.61]
<b>Percentage with raised risk (i.e. at least three of the risk factors included above) distributed in the age groups below</b>			
Percentage with raised risk, aged 15 to 44 years old	22.21 [21.21,23.24]	21.24 [20.62,21.86]	23.21 [22.48,23.95]
Percentage with raised risk, aged 45 to 64 years old	52.29 [50.58,53.99]	47.7 [46.61,48.79]	56.9 [55.81,57.99]