



Liberia STEPS Survey 2011

Fact Sheet

The STEPS survey of chronic disease risk factors in Liberia was carried out from February to March 2011. Liberia carried out Step 1, Step 2 and Step 3. Socio demographic and behavioural information was collected in Step 1. Physical measurements such as height, weight and blood pressure were collected in Step 2. Biochemical measurements were collected to assess blood glucose in Step 3. The STEPS survey in Liberia was a population-based survey of adults aged 25-64. A multi-stage cluster sample design was used to produce data for that age range in Liberia. A total of 2,508 adults participated in the Liberia STEPS survey. The overall response rate was approximately 87.1%.

Results for adults aged 25-64 years (incl. 95% CI)	Both Sexes	Males	Females
Step 1 Tobacco Use			
Percentage who currently smoke tobacco	9.9% (8.2 – 11.6)	17.2% (14.7 – 19.7)	2.8% (1.6 – 3.9)
Percentage who currently smoke tobacco daily	7.5% (6.0 – 9.0)	13.9% (11.5 – 16.3)	1.3% (0.5 – 2.2)
<i>For those who smoke tobacco daily</i>			
Average age started smoking (years)	21.3 (20.3 – 22.4)	21.4 (20.3 – 22.5)	*
Percentage of daily smokers smoking manufactured cigarettes	91.8% (87.6 – 95.9)	91.9% (87.6 – 96.2)	*
Mean number of manufactured cigarettes smoked per day (by smokers of manufactured cigarettes)	5.7 (5.0 – 6.5)	5.9 (5.0 – 6.7)	*
Step 1 Alcohol Consumption			
Percentage who are lifetime abstainers	63.2% (59.1 – 67.4)	50.8% (45.9 – 55.7)	75.2% (70.9 – 79.6)
Percentage who are past 12 month abstainers	6.9% (5.7 – 8.1)	7.6% (6.2 – 9.0)	6.3% (4.7 – 7.8)
Percentage who currently drink (drank alcohol in the past 30 days)	24.0% (20.4 – 27.5)	34.3% (29.1 – 39.5)	14.0% (11.2 – 16.8)
Percentage who engage in heavy episodic drinking (men who had 5 or more / women who had 4 or more drinks on any day in the past 30 days)	--	23.0% (19.5-26.5)	9.7% (7.5 – 11.8)
Step 1 Fruit and Vegetable Consumption (in a typical week)			
Mean number of days fruit consumed	2.3 (2.2 – 2.4)	2.2 (2.1 – 2.4)	2.3 (2.1 – 2.5)
Mean number of servings of fruit consumed on average per day	0.7 (0.6-0.8)	0.7 (0.6 – 0.9)	0.7 (0.6 – 0.8)
Mean number of days vegetables consumed	3.5 (3.3 – 3.7)	3.4 (3.1 – 3.6)	3.6 (3.4 – 3.8)
Mean number of servings of vegetables consumed on average per day	1.0 (0.9-1.1)	1.0 (0.9-1.1)	1.0 (1.0-1.1)
Percentage who ate less than 5 servings of fruit and/or vegetables on average per day	96.1% (95.0-97.1)	96.7% (95.2-98.2)	95.5% (94.5-96.5)
Step 1 Physical Activity			
Percentage with low levels of activity (defined as < 600 MET-minutes per week)*	33.2% (27.6 – 38.8)	29.8% (23.8 – 35.8)	36.6% (30.5 – 42.7)
Percentage with high levels of activity (defined as ≥ 3000 MET-minutes per week)*	47.3% (42.1 – 52.5)	51.6% (45.9 – 57.4)	43.1% (37.4 – 48.7)
Median time spent in physical activity on average per day (minutes) (presented with inter-quartile range)	87.9 (17.1 – 317.1)	111.4 (23.6 – 357.9)	75.0 (12.9 – 268.6)
Percentage not engaging in vigorous activity	59.9% (54.4 – 65.5)	54.4% (48.2 – 60.6)	65.4% (59.0 – 71.7)

* For complete definitions of low and high levels of physical activity, other conditions are specified in the GPAQ Analysis Guide, available at: <http://www.who.int/chp/steps/GPAQ/en/index.html>



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Results for adults aged 25-64 years (incl. 95% CI)	Both Sexes	Males	Females
Step 2 Physical Measurements			
Mean body mass index - BMI (kg/m ²)	26.4 (25.9 - 26.9)	25.4 (24.8 - 26.1)	27.3 (26.7 - 28.0)
Percentage who are overweight (BMI ≥ 25 kg/m ²)	49.9% (46.9 - 53.0)	43.0% (38.6 - 47.4)	57.0% (53.3 - 60.8)
Percentage who are obese (BMI ≥ 30 kg/m ²)	22.0% (19.2 - 24.8)	15.4% (11.6 - 19.3)	28.7% (25.1 - 32.4)
Average waist circumference (cm)	--	73.3 (70.4 - 76.2)	80.4 (78.1 - 82.8)
Mean systolic blood pressure - SBP (mmHg), including those currently on medication for raised BP	128.7 (127.3 - 130.1)	129.7 (128.0 - 131.4)	127.8 (126.3 - 129.2)
Mean diastolic blood pressure - DBP (mmHg), including those currently on medication for raised BP	79.7 (78.9 - 80.6)	79.5 (78.5 - 80.6)	79.9 (78.9 - 80.9)
Percentage with raised BP (SBP ≥ 140 and/or DBP ≥ 90 mmHg or currently on medication for raised BP)	30.7% (28.0 - 33.4)	30.3% (26.4 - 34.1)	31.0% (28.4 - 33.7)
Percentage with raised BP (SBP ≥ 140 and/or DBP ≥ 90 mmHg) who are not currently on medication for raised BP	88.2% (84.2 - 92.1)	90.5% (86.3 - 94.6)	86.0% (80.7 - 91.4)
Step 3 Biochemical Measurement			
Mean fasting blood glucose, including those currently on medication for raised blood glucose (mg/dl)	96.7 (94.9 - 98.5)	97.0 (94.8 - 99.1)	96.4 (94.1 - 98.7)
Percentage with impaired fasting glycaemia as defined below • capillary whole blood value ≥5.6 mmol/L (100 mg/dl) and <6.1 mmol/L (110 mg/dl)	14.9% (13.3-16.4)	14.0% (12.1-15.9)	15.7% (13.3-18.0)
Percentage with raised fasting blood glucose as defined below or currently on medication for raised blood glucose • capillary whole blood value ≥ 6.1 mmol/L (110 mg/dl)	19.2% (16.0-22.3)	19.0% (15.3-22.8)	19.3% (15.8-22.8)
Summary of combined risk factors			
<ul style="list-style-type: none"> current daily smokers less than 5 servings of fruits & vegetables per day low level of activity overweight (BMI ≥ 25 kg/m²) raised BP (SBP ≥ 140 and/or DBP ≥ 90 mmHg or currently on medication for raised BP) 			
Percentage with none of the above risk factors	1.1% (0.7 - 1.5)	1.0% (0.3 - 1.6)	1.3% (0.6 - 1.9)
Percentage with three or more of the above risk factors, aged 25 to 44 years	28.7% (24.9 - 32.6)	26.7% (22.4 - 31.0)	31.0% (26.6 - 35.4)
Percentage with three or more of the above risk factors, aged 45 to 64 years	43.2% (37.4 - 49.0)	40.7% (32.5 - 48.9)	45.5% (39.7 - 51.2)
Percentage with three or more of the above risk factors, aged 25 to 64 years	33.5% (29.7 - 37.3)	31.0% (26.7 - 35.3)	36.1% (32.1 - 40.0)

* Indicates less than 50 respondents.

For additional information, please contact:
STEPS country focal point [C. Sanford Wesseh, cswesseh@yahoo.com]