

Association between socioeconomic status and adiposity in urban Cameroon.

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Table 1: Summary of amenities and scores used in the analyses, [and percentage of household with each amenities](#). Cameroon Study¹⁹

Household amenities	Percentage of households with the amenity (%)	Household amenity	Supprimé : s
Electricity	99.8	0.170	Tableau mis en forme
Television	81.6	0.264	
A bicycle	2.8	-0.073	
A car	23.7	0.323	
A gas or electric portable stove		0.171	
Radio	72.9	0.077	
A refrigerator	65.4	0.303	
A motorcycle	4.3	0.068	
A gas or electric oven	18.7	0.309	
A domestic worker not related to household head	6.8	0.020	
Principal type of flooring			Mis en forme : Police :Non Italique
Dirt, earth	2.2	-0.137	
Wood, plank	0.1	-0.099	
Cement	56.1	0.105	
Tile	1.6	0.354	
Other type of flooring	40.0	0.260	
Bucket latrine	30.4	0.074	Tableau mis en forme
Principal household source of water			Mis en forme : Police :Non Italique
Piped drinking water in residence	92.9	0.348	
Well with a hand pump	0.9	-0.100	
River, canal or surface water	0.00	-0.114	
Water piped into the yard	6.1	0.174	
Rain water	0.03	-0.091	
Bottled water	0.07	-0.031	
Own flush toilet	75.8	0.354	
Number per sleeping room	---	-0.006 x (number - 1.920)/1.220	

Table 2a : Clinical characteristics of the study population by sex in urban Cameroonians aged 25 years and above:

Supprimé : Socio-demographic and anthropometric

Characteristics	WOMEN	MEN	P
N	1530	1301	
Age (years)	38.4 (10.3)	39.0 (10.9)	0.2
Body mass index (kg/m ²)	26.7 (4.8)	24.7 (3.3)	< 0.001
<u>Classification of BMI</u>			< 0.001
<u>18.5 kg/m² < BMI < 25 kg/m²</u>	<u>43.8</u>	<u>62.2</u>	
<u>25 kg/m² < BMI < 30 kg/m²</u>	<u>34.6</u>	<u>30.4</u>	
<u>BMI > 30 kg/m²</u>	<u>21.6</u>	<u>7.3</u>	
<u>Waist circumference (cm)</u>	<u>84.8 (12)</u>	<u>83.6 (10)</u>	<u>0.003</u>
<u>Classification of waist</u>			< 0.001
<u>Waist < 80 cm (W) 94 cm (M)</u>	<u>33.7</u>	<u>82.5</u>	
<u>Waist > 80 cm (W) 94 cm (M)</u>	<u>66.3</u>	<u>17.5</u>	
<u>Leisure time physical activity (MET/day)*</u>	<u>11.6 (7.0-15.5)</u>	<u>10.4 (6.1-15.9)</u>	<u>0.3</u>

- Supprimé : Waist circumference (cm)
- Supprimé : 84.8 (12)
- Supprimé : 83.6 (10)
- Supprimé : 0.003
- Supprimé : Leisure time physical activity (MET/day)*
- Supprimé : 11.6 (7.0-15.5)
- Supprimé : 10.4 (6.1-15.9)
- Supprimé : 0.3
- Mis en forme : Expositant
- Mis en forme : Soulignement
- Mis en forme : Expositant
- Supprimé : Occupational level (%)
- Supprimé : < 0.001
- Supprimé : Low
- Supprimé : 37
- Supprimé : 29
- Mis en forme : Soulignement
- ... [1]
- Supprimé : High ... [2]
- Supprimé : None ... [3]
- Supprimé : Primary
- Supprimé : 23
- Supprimé : 19
- Mis en forme : Soulignement
- Supprimé : Secondary
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Data are mean (SD), median* (25th - 75th percentile) or percentages.

Table 2b: Socio-demographic characteristics of the study population by sex in urban Cameroonians aged 25 years and above:

<u>Characteristics</u>	<u>WOMEN</u>	<u>MEN</u>	<u>P</u>
<u>N</u>	<u>1530</u>	<u>1301</u>	
<u>Occupational level (%)</u>			<u>< 0.001</u>
<u>Low</u>	<u>37</u>	<u>29</u>	
<u>Middle</u>	<u>51</u>	<u>50</u>	
<u>High</u>	<u>12</u>	<u>21</u>	
<u>Educational level (%)</u>			<u>< 0.001</u>
<u>None</u>	<u>13</u>	<u>10</u>	
<u>Primary</u>	<u>23</u>	<u>19</u>	
<u>Secondary</u>	<u>46</u>	<u>44</u>	
<u>University</u>	<u>18</u>	<u>27</u>	
<u>Alcohol consumption (%)</u>			<u>< 0.001</u>
<u>Non drinkers</u>	<u>71</u>	<u>63</u>	
<u>< 5 g/day</u>	<u>13</u>	<u>10</u>	
<u>5 - 30 g/day</u>	<u>11</u>	<u>14</u>	
<u>> 30 g/day</u>	<u>5</u>	<u>13</u>	
<u>Tobacco smoking (%)</u>			<u>< 0.001</u>
<u>Non smokers</u>	<u>96.4</u>	<u>91.0</u>	
<u>Ex-smokers</u>	<u>0.6</u>	<u>1.0</u>	
<u>Current smokers</u>	<u>3.0</u>	<u>8.0</u>	

Data are percentages.

Tableau mis en forme

Tableau mis en forme

Table 3: Odds ratios (95% confidence intervals) between overweight, obesity and abdominal obesity and factors by sex in urban Cameroonians aged 25 years and above:

Dependent variables	Women			Men	
	Overweight + Obesity	Obesity	Abdominal obesity	Overweight + Obesity	Obesity
Age classes in years					
25-34	1	1	1	1	1
35-44	2.0 (1.5 – 2.5)	3.5 (2.5 – 4.9)	2.5 (1.9 – 3.2)	3.1 (2.3 – 4.2)	5.1 (2.6 – 10.0)
45-54	2.7 (2.0 – 3.8)	5.9 (4.0 – 8.8)	3.2 (2.2 – 4.5)	4.5 (3.3 – 6.1)	12.0 (6.3 – 21.5)
55 +	1.7 (1.1 – 2.6)	3.2 (1.8 – 5.4)	3.7 (2.2 – 6.2)	2.7 (1.8 – 4.1)	5.4 (2.4 – 11.7)
P*	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Quartiles of leisure time physical activities					
1 st quartile	1	1	1	1	1
2 nd quartile	1.13 (0.84–1.50)	1.4 (1.0 – 2.1)	0.7 (0.5 – 0.9)	1.3 (0.9 – 1.8)	1.4 (0.8 – 2.3)
3 rd quartile	1.10 (0.83–1.48)	1.31(0.89–1.93)	0.9 (0.6 – 1.2)	0.9 (0.6 – 1.2)	0.9 (0.5 – 1.4)
4 th quartile	1.11 (0.84–1.50)	1.32 (0.90–1.94)	0.7 (0.5 – 0.9)	0.7 (0.5 – 0.9)	0.5 (0.2 – 0.9)
P*	0.8	0.3	0.04	0.003	0.01
Tobacco smoking					
Non-smokers	1	1	1	1	1
Smokers	0.6 (0.3 – 1.1)	1.4 (1.0 – 1.9)	0.8 (0.4 – 1.5)	0.7 (0.5 – 1.3)	1.0 (0.6 – 1.6)
P*	0.08	0.03	0.5	0.2	1.0
Alcohol consumption					
Non-drinker	1	1	1	1	1
< 5g/ day	1.7 (1.2 – 2.4)	1.7 (1.2 – 2.6)	1.1 (0.8 – 1.5)	0.8 (0.5 – 1.2)	0.8 (0.4 – 1.4)
5 – 30 g/day	1.3 (0.9 – 1.8)	1.3 (0.8 – 2.0)	1.3 (0.9 – 1.9)	1.1 (0.8 – 1.6)	0.9 (0.5 – 1.4)
> 30 g/day	0.8 (0.4 – 1.3)	1.1 (0.6 – 1.9)	1.2 (0.7 – 1.8)	1.4 (1.0 – 1.9)	1.3 (0.7 – 2.3)
P*	0.006	0.06	0.5	0.1	0.6

* p for difference.

Table 4: Adjusted# odds ratios (95 % CI) associated with markers of adiposity and studied socio-economic variables in urban Cameroonians aged 25 years and above:

Socio-economic variables	Women				n	Overweight + Obesity	OR
	n	Overweight + Obesity	Obesity	Abdominal obesity			
Household amenities quartiles							
First (poorest)	379	1	1	1	330	1	
Second	382	1.5 (1.1 - 2.0)	1.9 (1.2 - 2.8)	1.2 (0.9 - 1.7)	320	1.7 (1.2 - 2.4)	1.5 (1.1 - 2.0)
Third	387	1.5 (1.1 - 2.0)	2.0 (1.3 - 3.0)	1.3 (1.0 - 1.8)	327	1.6 (1.1 - 2.3)	2.1 (1.5 - 2.9)
Fourth (richest)	382	1.5 (1.1 - 2.0)	1.8 (1.2 - 2.8)	1.7 (1.2 - 2.4)	324	2.3 (1.6 - 3.2)	2.4 (1.7 - 3.4)
P*		0.03	0.005	0.03		< 0.001	
Occupational level							
Low	572	1	1	1	376	1	
Middle	769	1.1 (0.9 - 1.4)	1.1 (0.8 - 1.5)	1.0 (0.8 - 1.3)	644	1.2 (0.9 - 1.5)	2.1 (1.5 - 2.9)
High	189	0.8 (0.6 - 1.2)	0.9 (0.5 - 1.4)	0.9 (0.6 - 1.3)	281	1.6 (1.2 - 2.3)	3.8 (2.7 - 5.3)
P*		0.2	0.5	0.7		0.02	

Reference category is normal weight for overweight and obesity, waist < 80 cm (women) and < 94 cm (men).

#Odds ratios are adjusted for age classes, leisure time physical activity quartiles, classes of alcohol consumption, and classes of tobacco smoking.

* p for difference.

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Page 21: [1] Supprimé	Kamadjeu	11/06/2004 11:08
Middle	51	50
Page 21: [2] Supprimé	Kamadjeu	11/06/2004 10:55
High	12	21
Educational level (%)		< 0.001
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None	13	10
Page 21: [4] Supprimé	Kamadjeu	11/06/2004 10:55
University	18	27
Alcohol consumption (%)		< 0.001
Non drinkers	71	63
< 5 g/day	13	10
5 - 30 g/day	11	14
> 30 g/day	5	13
Tobacco smoking (%)		< 0.001
Non + ex-smokers	97	92
Current smokers	3	8