

Supplementary Material

**Socio-geographical disparities of obesity and excess of weight in adults
in Spain: insights from the ENE-COVID study**

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Supplementary Table S1. crude prevalence of severe obesity in adult population by sociodemographic characteristics in ENE-COVID study

	TOTAL		MEN		WOMEN	
	N	% (95% CI)	N	% (95% CI)	N	% (95% CI)
SEVERE OBESITY (BMI\geq35 kg/m²)						
Overall	57131	4.9 (4.6-5.1)	27031	4.5 (4.1-4.8)	30100	5.3 (5.0-5.6)
Age (years)						
18-24	4601	2.0 (1.6-2.6)	2267	2.3 (1.6-3.3)	2334	1.7 (1.2-2.5)
25-29	2991	2.8 (2.2-3.6)	1451	1.6 (1.0-2.4)	1540	4.1 (3.1-5.5)
30-34	3404	4.1 (3.3-5.0)	1617	4.3 (3.2-5.9)	1787	3.8 (2.9-5.1)
35-39	4380	4.1 (3.4-4.9)	2112	3.8 (2.9-5.0)	2268	4.4 (3.5-5.5)
40-44	5646	4.9 (4.3-5.7)	2707	5.0 (4.0-6.2)	2939	4.9 (4.0-5.9)
45-49	6018	4.7 (4.1-5.4)	2902	4.4 (3.6-5.4)	3116	5.0 (4.0-6.2)
50-54	5846	5.8 (5.1-6.6)	2748	6.0 (5.0-7.2)	3098	5.6 (4.7-6.6)
55-59	5749	6.1 (5.4-7.0)	2676	5.7 (4.7-6.8)	3073	6.6 (5.6-7.7)
60-64	5200	6.7 (5.8-7.7)	2512	5.9 (4.9-7.3)	2688	7.5 (6.2-9.0)
65-69	4029	6.3 (5.4-7.3)	1961	5.3 (4.2-6.7)	2068	7.2 (5.9-8.7)
70-74	3386	6.1 (5.2-7.1)	1582	5.8 (4.5-7.4)	1804	6.3 (5.2-7.7)
75-79	2477	6.3 (5.2-7.6)	1142	4.7 (3.3-6.7)	1335	7.5 (5.9-9.4)
80-84	1701	5.2 (4.0-6.8)	710	3.0 (1.8-5.1)	991	6.6 (4.9-8.9)
85-89	1140	3.2 (2.1-4.8)	449	1.4 (0.6-3.6)	691	4.2 (2.6-6.7)
\geq 90	563	3.6 (2.3-5.8)	195	2.5 (0.8-7.5)	368	4.2 (2.5-6.9)
Education						
Less than primary	3678	9.6 (8.5-10.8)	1490	7.8 (6.3-9.6)	2188	10.7 (9.3-12.3)
Primary	7811	7.0 (6.3-7.8)	3523	5.4 (4.6-6.3)	4288	8.4 (7.4-9.5)
Secondary	31164	4.9 (4.6-5.2)	15674	4.7 (4.2-5.1)	15490	5.1 (4.7-5.6)
University	12587	2.6 (2.3-2.9)	5352	2.7 (2.2-3.3)	7235	2.5 (2.1-2.9)
Census tract average income*						
<25 th percentile	15229	6.2 (5.7-6.8)	7230	5.3 (4.6-6.0)	7999	7.1 (6.4-7.9)
25 th -<50 th percentile	14397	5.1 (4.7-5.6)	6838	4.9 (4.3-5.6)	7559	5.3 (4.7-5.9)
50 th -<75 th percentile	13054	4.7 (4.2-5.3)	6221	4.1 (3.5-4.8)	6833	5.3 (4.7-6.1)
\geq 75 th percentile	14451	3.4 (3.0-3.9)	6742	3.5 (2.9-4.2)	7709	3.4 (2.9-4.0)
Disability						
No	52224	4.7 (4.4-4.9)	24468	4.3 (4.0-4.7)	27756	5.0 (4.7-5.3)
Yes	3171	8.5 (7.5-9.7)	1660	6.4 (5.1-8.0)	1511	10.9 (9.2-12.9)
Nationality						
Spanish	54559	4.9 (4.7-5.2)	25947	4.5 (4.2-4.9)	28612	5.3 (5.0-5.6)
Other	2562	4.3 (3.4-5.4)	1080	3.3 (2.3-4.9)	1482	5.0 (3.8-6.7)
Municipality size (inhabitants)						
<5,000	10401	5.8 (5.2-6.5)	5160	5.4 (4.6-6.3)	5241	6.3 (5.4-7.3)
5,000-19,999	12045	5.3 (4.8-5.8)	5730	4.8 (4.2-5.5)	6315	5.8 (5.1-6.6)
20,000-99,999	17006	4.7 (4.3-5.2)	7939	4.2 (3.7-4.9)	9067	5.1 (4.6-5.7)
\geq 100,000	17679	4.6 (4.2-5.0)	8202	4.2 (3.6-4.8)	9477	4.9 (4.4-5.5)

Population prevalence and 95% confidence intervals (CI) accounting for sampling weights, nonresponse rates by sex, age, and census tract average income, stratification by province and municipality size, and clustering by household and census tract. BMI: Body Mass Index; N: number of participants; *Categories based on percentiles from province-specific distributions of census tract average income in 2017.