

SUPPLEMENTARY DATA

Supplementary tables

Table 1 of the supplementary data: Population characteristics by regions in SIDIAP and BIFAP

Table 2 of the supplementary data: Prevalence of obesity among children and adolescents of both sexes in the overall population and by region and age

Table 3 of the supplementary data: Prevalence of overweight/obesity among children and adolescents of both sexes in the overall population and by region and age

Table 4A of the supplementary data: Prevalence trends of obesity between 2005 and 2017 in boys by age groups (2-5 years, 6-11 years, 12-17 years) and region

Table 4B of the supplementary data: Prevalence trends of obesity between 2005 and 2017 in girls by age groups (2-5 years, 6-11 years, 12-17 years) and region

Table 5A of the supplementary data: Prevalence trends of overweight/obesity between 2005 and 2017 in boys by age groups (2-5 years, 6-11 years, 12-17 years) and region

Table 5B of the supplementary data: Prevalence trends of overweight/obesity between 2005 and 2017 in girls by age groups (2-5 years, 6-11 years, 12-17 years) and region

Table 6 of the supplementary data: Incidence rate (number of new cases/100 person-year) of obesity and sex, age, and region

Table 7 of the supplementary data: Incidence rate (number of new cases/100 person-year) of overweight/obesity and sex, age, and region

Table 8 of the supplementary data: Incidence rate (number of new cases/100 person-year) of overweight/obesity and obesity by sex and age by incidence periods

Table 9 of the supplementary data: Prevalence of overweight/obesity and obesity across different Spanish nationally-representative studies

Table 1 of the supplementary data. Population characteristics by regions in SIDIAP and BIFAP

	Aragon n= 246 371	Asturias n = 34 939	Cantabria n =50 589	Catalonia n = 1 277 228	Castille and Leon n = 348 251	Madrid n = 368 329	Murcia n = 36 813	Navarre n = 142 048
<i>Age at baseline</i>	6.0 ± 4.5	6.6 ± 4.5	6.9 ± 4.9	5.9 ± 4.6	7.1 ± 4.7	7.0 ± 4.8	6.2 ± 4.4	5.5 ± 4.3
<i>Sex</i>								
Boys	125 227 (50.8)	17 946 (51.4)	25 629 (50.7)	652 078 (51.1)	177 712 (51.0)	185 785 (50.4)	18 854 (51.2)	72 814 (51.3)
Girls	121 144 (49.2)	16 993 (48.6)	24 960 (49.3)	625 150 (48.9)	170 539 (49.0)	182 544 (49.6)	17 959 (48.8)	69 234 (48.7)
<i>Years of follow-up</i>	7.1 ± 3.6	5.3 ± 3.8	6.1 ± 3.8	8.8 ± 3.9	4.8 ± 2.0	5.9 ± 3.8	6.0 ± 3.6	8.1 ± 4.0
<i>No. of BMI measurements</i>	7.3 ± 5.4	5.2 ± 4.7	6.1 ± 5.3	3.9 ± 3.2	5.5 ± 4.8	5.1 ± 4.5	4.3 ± 3.5	9.1 ± 6.6
<i>BMI category*</i>								
Underweight	933 (0.4)	174 (0.5)	158 (0.3)	4816 (0.4)	1788 (0.5)	1818 (0.5)	206 (0.6)	443 (0.3)
Normal weight	158 481 (64.3)	22 329 (63.9)	31 392 (62.1)	794 353 (62.2)	232 211 (66.7)	247 488 (67.2)	22 542 (61.2)	93 485 (65.8)
Overweight	53 064 (21.5)	7563 (21.6)	11 799 (23.3)	279 841 (21.9)	71 879 (20.6)	72 927 (19.8)	7607 (20.7)	30 543 (21.5)
Obesity	33 893 (13.8)	4873 (13.9)	7240 (14.3)	198 218 (15.5)	42 373 (12.2)	46 096 (12.5)	6458 (17.5)	17 577 (12.4)

BIFAP, *Base de datos para la Investigación Farmacoepidemiológica en Atención Primaria* (Database for Pharmacoepidemiological Research in Primary Care); BMI, body mass index; SIDIAP, the Information System for Research in Primary Care (SIDIAP).

Values are expressed as No. (%) or mean ± standard deviation.

*Children were categorized as obese if they had at least 1 zBMI classified as indicating obesity during the study period. Children were categorized as being overweight/obese if they had at least 1 zBMI classified as indicating overweight or any measurement classified as indicating obesity during the study period. Finally, children were categorized as having normal weight if they were never categorized as being overweight or obese during the study period.

Table 2 of the supplementary data. Prevalence of obesity among children and adolescents of both sexes in the overall population and by region and age

Age (y)	Overall (95%CI)	Regions							
		Aragon (95%CI)	Asturias (95%CI)	Cantabria (95%CI)	Castille and Leon (95%CI)	Catalonia (95%CI)	Madrid (95%CI)	Murcia (95%CI)	Navarre (95%CI)
<i>Boys</i>									
2	0.8 (0.8-0.9)	0.6 (0.6-0.7)	0.7 (0.5-1.0)	0.9 (0.7-1.1)	0.6 (0.5-0.6)	1.0 (0.9-1.0)	0.7 (0.6-0.8)	1.0 (0.7-1.2)	0.6 (0.6-0.7)
3	1.8 (1.7-1.8)	1.6 (1.5-1.8)	1.6 (1.2-1.9)	1.6 (1.3-1.9)	1.3 (1.2-1.4)	2.0 (1.9-2.0)	1.9 (1.7-2.1)	3.6 (2.8-4.5)	1.3 (1.2-1.5)
4	2.2 (2.2-2.2)	2.2 (2.0-2.3)	2.1 (1.7-2.5)	2.6 (2.3-3.0)	1.9 (1.8-2.1)	2.3 (2.2-2.4)	2.1 (2.0-2.2)	3.8 (3.3-4.3)	1.7 (1.6-1.9)
5	10.3 (10.1-10.4)	8.3 (7.9-8.6)	10.5 (9.2-11.8)	11.0 (9.9-12.1)	10.5 (10.1-10.9)	10.4 (10.3-10.6)	11.4 (10.8-12.0)	16.8 (14.8-18.7)	9.7 (9.1-10.3)
6	13.1 (13.0-13.2)	13.0 (12.7-13.3)	14.0 (13.2-14.9)	15.3 (14.5-16.0)	12.4 (12.2-12.7)	13.3 (13.2-13.4)	12.6 (12.3-12.9)	19.4 (18.5-20.3)	11.3 (11.0-11.7)
7	20.2 (19.9-20.4)	18.2 (17.6-18.9)	21.1 (18.8-23.4)	22.6 (20.8-24.5)	19.9 (19.3-20.5)	20.7 (20.4-21.0)	20.7 (19.9-21.4)	26.2 (22.5-29.9)	16.6 (15.8-17.4)
8	19.6 (19.5-19.8)	19.1 (18.7-19.6)	23.5 (21.6-25.4)	22.1 (20.6-23.5)	19.5 (19.1-20.0)	20.0 (19.8-20.1)	20.9 (20.5-21.4)	33.3 (29.2-37.5)	15.2 (14.8-15.7)
9	24.1 (23.9-24.3)	20.7 (20.1-21.2)	23.4 (21.2-25.6)	22.1 (20.6-23.5)	21.8 (21.3-22.4)	25.7 (25.4-26.0)	24.1 (23.4-24.7)	34.5 (30.6-38.4)	21.0 (20.1-21.9)
10	21.1 (20.9-21.2)	19.2 (18.6-19.8)	20.6 (19.5-21.7)	23.1 (21.4-24.7)	20.1 (19.6-20.7)	21.5 (21.3-21.7)	25.6 (24.8-26.3)	29.7 (27.7-31.7)	16.1 (15.6-16.7)
11	19.4 (19.3-19.6)	16.9 (16.5-17.4)	22.5 (20.0-25.0)	19.5 (18.4-20.6)	16.7 (16.2-17.1)	21.5 (21.3-21.8)	19.1 (18.7-19.4)	26.4 (25.1-27.6)	14.1 (13.5-14.7)
12	15.8 (15.6-15.9)	14.3 (13.9-14.8)	19.7 (17.5-21.9)	15.4 (14.3-16.4)	15.1 (14.7-15.5)	16.2 (16.0-16.4)	16.4 (15.9-16.9)	25.2 (22.2-28.3)	12.9 (12.3-13.6)
13	14.0 (13.8-14.1)	12.1 (11.5-12.6)	13.5 (12.6-14.4)	13.2 (11.9-14.6)	10.1 (9.7-10.5)	15.4 (15.2-15.7)	15.9 (15.2-16.6)	17.6 (16.0-19.1)	10.7 (10.0-11.4)
14	10.6 (10.5-10.7)	10.1 (9.8-10.4)	15.5 (12.9-18.1)	10.6 (9.9-11.2)	9.9 (9.6-10.2)	11.1 (10.9-11.3)	10.8 (10.6-11.1)	18.4 (16.7-20.0)	8.0 (7.6-8.4)
15	13.9 (13.6-14.2)	12.0 (11.1-12.9)	15.8 (12.3-19.3)	12.5 (10.6-14.4)	13.6 (12.6-14.5)	13.9 (13.5-14.2)	15.3 (14.4-16.2)	20.4 (16.7-24.1)	14.1 (12.7-15.5)
16	14.2 (13.9-14.5)	13.8 (12.6-15.0)	19.1 (15.0-23.1)	13.6 (11.3-15.8)	14.3 (13.3-15.4)	13.6 (13.2-14.0)	17.3 (16.1-18.4)	21.4 (17.4-25.4)	13.9 (12.2-15.6)
17	13.4 (13.0-13.7)	13.9 (12.7-15.2)	16.0 (12.1-19.9)	13.9 (11.3-16.4)	13.1 (12.0-14.1)	12.8 (12.4-13.2)	15.8 (14.7-17.0)	20.3 (15.8-24.7)	14.1 (12.2-16.0)
<i>Girls</i>									
2	0.8 (0.8-0.8)	0.6 (0.5-0.6)	0.8 (0.5-1.0)	0.9 (0.7-1.1)	0.5 (0.4-0.6)	1.0 (0.9-1.0)	0.6 (0.6-0.7)	1.3 (1.0-1.6)	0.6 (0.5-0.7)
3	1.5 (1.5-1.6)	1.4 (1.3-1.6)	1.4 (1.1-1.7)	1.4 (1.1-1.6)	1.0 (1.0-1.1)	1.7 (1.7-1.8)	1.7 (1.5-1.9)	2.6 (1.8-3.3)	1.1 (1.0-1.2)
4	1.6 (1.6-1.6)	1.5 (1.4-1.6)	1.8 (1.4-2.2)	1.6 (1.4-1.9)	1.3 (1.2-1.5)	1.7 (1.7-1.8)	1.3 (1.2-1.4)	3.3 (2.9-3.8)	1.2 (1.1-1.3)
5	8.9 (8.8-9.0)	6.9 (6.6-7.2)	9.2 (7.9-10.6)	10.2 (9.1-11.3)	8.2 (7.8-8.5)	9.3 (9.1-9.4)	10.5 (9.9-11.1)	14.9 (12.9-16.9)	8.0 (7.5-8.6)
6	10.4 (10.3-10.4)	9.9 (9.7-10.2)	10.3 (9.5-11.1)	11.4 (10.7-12.1)	9.4 (9.1-9.6)	10.8 (10.6-10.9)	9.9 (9.6-10.1)	15.6 (14.8-16.5)	8.6 (8.2-8.9)
7	17.3 (17.1-17.5)	15.5 (14.9-16.1)	16.6 (14.5-18.8)	18.1 (16.4-19.7)	16.6 (16.1-17.2)	18.0 (17.8-18.3)	17.8 (17.2-18.5)	27.7 (24.2-31.1)	13.2 (12.5-13.9)
8	14.5 (14.4-14.6)	13.9 (13.5-14.3)	16.6 (14.8-18.3)	17.3 (16.1-18.6)	13.8 (13.4-14.2)	14.9 (14.7-15.1)	15.4 (15.0-15.8)	27.5 (24.1-30.9)	11.1 (10.8-11.5)
9	16.6 (16.5-16.8)	13.3 (12.9-13.8)	15.6 (13.7-17.5)	14.6 (13.4-15.8)	14.0 (13.5-14.4)	18.3 (18.0-18.5)	16.7 (16.1-17.2)	30.4 (26.9-33.9)	14.2 (13.4-14.9)
10	13.2 (13.1-13.4)	11.5 (11.1-11.9)	11.6 (10.7-12.5)	13.3 (12.1-14.6)	11.7 (11.3-12.2)	13.8 (13.6-13.9)	16.2 (15.6-16.8)	20.6 (18.9-22.4)	10.1 (9.7-10.6)
11	11.8 (11.6-11.9)	9.9 (9.5-10.2)	13.8 (11.8-15.9)	10.7 (9.9-11.6)	9.1 (8.7-9.4)	13.7 (13.5-13.9)	10.8 (10.5-11.1)	17.5 (16.4-18.6)	8.8 (8.3-9.3)
12	9.5 (9.4-9.7)	8.1 (7.8-8.5)	9.9 (8.2-11.6)	9.5 (8.6-10.4)	8.6 (8.3-8.9)	10.0 (9.8-10.1)	10.0 (9.6-10.4)	21.9 (18.7-25.1)	7.8 (7.2-8.3)
13	9.3 (9.2-9.5)	7.5 (7.1-8.0)	8.5 (7.7-9.2)	10.1 (8.8-11.4)	6.4 (6.1-6.7)	10.4 (10.2-10.6)	10.8 (10.2-11.3)	14.1 (12.6-15.6)	7.7 (7.1-8.3)
14	6.7 (6.6-6.8)	6.2 (6.0-6.5)	12.7 (10.0-15.4)	6.8 (6.3-7.3)	6.3 (6.0-6.5)	7.3 (7.2-7.5)	6.4 (6.2-6.5)	11.6 (10.2-13.1)	4.6 (4.3-4.9)
15	9.9 (9.6-10.1)	9.3 (8.5-10.1)	17.8 (14.1-21.5)	11.2 (9.4-13.0)	9.7 (8.8-10.5)	9.6 (9.3-9.9)	11.1 (10.4-11.9)	17.1 (13.8-20.4)	9.4 (8.2-10.5)
16	10.0 (9.8-10.3)	9.6 (8.7-10.6)	14.7 (11.3-18.1)	11.2 (9.2-13.1)	9.7 (8.9-10.5)	9.8 (9.5-10.1)	11.1 (10.3-11.9)	14.1 (11.0-17.2)	10.6 (9.1-12.0)
17	10.2 (10.0-10.4)	10.1 (9.2-11.0)	13.6 (10.4-16.8)	11.7 (9.8-13.6)	10.3 (9.5-11.1)	9.8 (9.6-10.1)	11.5 (10.7-12.3)	17.8 (14.5-21.1)	10.8 (9.3-12.3)

The last measurement was used for the same age year if a child had more than one body mass index measurement.

Table 3 of the supplementary data. Prevalence of overweight/obesity among children and adolescents of both sexes in the overall population and by region and age

Age (y)	Overall (95%CI)	Regions							
		Aragon (95%CI)	Asturias (95%CI)	Cantabria (95%CI)	Castille and Leon (95%CI)	Catalonia (95%CI)	Madrid (95%CI)	Murcia (95%CI)	Navarre (95%CI)
<i>Boys</i>									
2	4.6 (4.5-4.6)	3.2 (3.0-3.4)	4.3 (3.7-4.8)	5.5 (5.0-6.0)	3.0 (2.9-3.2)	5.3 (5.2-5.4)	3.8 (3.7-4.0)	5.5 (4.9-6.0)	3.8 (3.5-4.0)
3	7.3 (7.2-7.4)	6.6 (6.4-6.9)	7.7 (7.0-8.3)	7.8 (7.2-8.4)	5.7 (5.5-5.9)	8.0 (7.9-8.2)	7.0 (6.6-7.3)	12.1 (10.6-13.5)	6.3 (6.0-6.5)
4	8.0 (7.9-8.1)	7.7 (7.5-8.0)	7.9 (7.1-8.7)	9.4 (8.8-10.1)	7.0 (6.8-7.3)	8.3 (8.2-8.4)	7.3 (7.1-7.5)	12.3 (11.5-13.1)	7.0 (6.6-7.2)
5	25.9 (25.7-26.1)	21.6 (21.0-22.1)	25.3 (23.4-27.2)	29.5 (27.9-31.1)	25.5 (24.9-26.0)	26.7 (26.4-27.0)	25.5 (24.7-26.3)	38.1 (35.5-40.7)	25.8 (24.9-26.6)
6	32.0 (31.9-32.2)	31.9 (31.4-32.3)	33.4 (32.2-34.5)	37.5 (36.5-38.5)	31.1 (30.7-31.5)	32.4 (32.2-32.5)	30.4 (30.0-30.8)	40.5 (39.4-41.5)	29.7 (29.2-30.3)
7	38.8 (38.5-39.0)	36.9 (36.1-37.8)	43.1 (40.4-45.9)	45.5 (43.3-47.7)	39.1 (38.3-39.8)	39.2 (38.8-39.5)	37.5 (36.7-38.4)	43.8 (39.7-48.0)	36.1 (35.0-37.1)
8	41.1 (41.0-41.3)	41.1 (40.5-41.6)	46.1 (43.9-48.4)	46.0 (44.3-47.7)	42.0 (41.4-42.5)	41.3 (41.1-41.5)	42.4 (41.9-43.0)	49.2 (44.8-53.6)	36.4 (35.8-37.0)
9	46.6 (46.4-46.9)	44.0 (43.3-44.6)	46.9 (44.3-49.5)	48.2 (46.5-50.0)	45.5 (44.8-46.1)	47.9 (47.5-48.2)	45.9 (45.2-46.7)	51.0 (47.0-55.1)	43.6 (42.5-44.8)
10	46.5 (46.3-46.7)	44.7 (44.0-45.4)	48.3 (47.0-49.7)	50.1 (48.2-52.1)	46.5 (45.8-47.2)	46.8 (46.5-47.0)	50.3 (49.5-51.2)	55.0 (52.9-57.2)	41.4 (40.7-42.2)
11	45.8 (45.6-46.0)	44.2 (43.6-44.8)	50.7 (47.8-53.7)	48.2 (46.8-49.6)	44.2 (43.7-44.8)	46.9 (46.6-47.2)	46.5 (46.0-47.0)	52.8 (51.4-54.3)	39.5 (38.7-40.4)
12	41.9 (41.7-42.1)	40.1 (39.5-40.7)	46.2 (43.4-48.9)	44.1 (42.6-45.6)	41.5 (40.9-42.0)	42.5 (42.2-42.7)	41.6 (41.0-42.2)	49.4 (45.9-52.9)	38.0 (37.1-38.9)
13	37.8 (37.5-38.0)	35.5 (34.7-36.3)	40.6 (39.3-42.0)	38.8 (36.9-40.8)	33.3 (32.7-33.9)	39.3 (39.0-39.6)	39.3 (38.4-40.2)	43.0 (41.0-45.0)	33.3 (32.3-34.4)
14	33.4 (33.2-33.5)	33.0 (32.5-33.5)	37.8 (34.4-41.2)	35.8 (34.7-36.8)	32.4 (31.9-32.9)	33.7 (33.4-33.9)	34.3 (33.9-34.6)	41.6 (39.5-43.7)	29.1 (28.4-29.7)
15	34.5 (34.2-34.9)	31.3 (30.0-32.6)	33.7 (29.2-38.3)	33.4 (30.7-36.1)	33.1 (31.8-34.4)	35.0 (34.6-35.5)	35.6 (34.4-36.8)	35.9 (31.5-40.4)	33.3 (31.4-35.2)
16	33.1 (32.6-33.5)	32.4 (30.8-34.0)	38.4 (33.3-43.4)	33.7 (30.6-36.8)	32.6 (31.2-34.0)	32.7 (32.2-33.3)	36.0 (34.5-37.4)	39.5 (34.7-44.4)	30.6 (28.4-32.9)
17	31.1 (30.6-31.6)	32.4 (30.7-34.1)	34.0 (29.0-39.1)	32.9 (29.4-36.4)	31.1 (29.6-32.5)	30.3 (29.8-30.9)	34.3 (32.8-35.8)	37.0 (31.6-42.3)	30.8 (28.3-33.3)
<i>Girls</i>									
2	4.7 (4.6-4.8)	3.2 (3.1-3.4)	5.1 (4.4-5.7)	5.2 (4.8-5.7)	3.1 (3.0-3.3)	5.5 (5.4-5.5)	3.9 (3.7-4.0)	6.1 (5.4-6.7)	3.7 (3.5-3.9)
3	7.2 (7.2-7.3)	6.3 (6.0-6.5)	7.2 (6.5-7.9)	8.0 (7.3-8.6)	5.7 (5.5-6.0)	8.0 (7.8-8.1)	6.8 (6.4-7.2)	10.4 (9.0-11.9)	6.2 (5.9-6.4)
4	6.9 (6.8-7.0)	6.7 (6.5-7.0)	7.2 (6.4-8.0)	7.7 (7.1-8.3)	6.2 (5.9-6.4)	7.3 (7.2-7.4)	5.9 (5.7-6.1)	11.2 (10.4-12.0)	5.9 (5.6-6.2)
5	24.6 (24.4-24.8)	20.3 (19.8-20.8)	25.0 (23.0-27.0)	28.1 (26.5-29.7)	23.1 (22.5-23.6)	25.7 (25.4-25.9)	25.6 (24.8-26.4)	34.5 (31.9-37.1)	23.7 (22.8-24.5)
6	30.2 (30.1-30.4)	29.5 (29.1-29.9)	31.7 (30.5-32.9)	34.2 (33.2-35.2)	28.6 (28.2-29.0)	30.9 (30.7-31.1)	28.9 (28.5-29.3)	37.4 (36.2-38.5)	27.8 (27.3-28.4)
7	39.8 (39.5-40.1)	37.8 (36.9-38.6)	40.8 (38.0-43.6)	41.5 (39.4-43.6)	40.2 (39.5-41.0)	40.4 (40.0-40.7)	39.0 (38.2-39.9)	49.0 (45.1-52.9)	36.6 (35.6-37.7)
8	40.0 (39.8-40.2)	39.3 (38.8-39.9)	44.7 (42.4-47.1)	45.4 (43.8-47.1)	40.2 (39.7-40.8)	40.2 (40.0-40.5)	41.2 (40.6-41.8)	52.5 (48.8-56.2)	36.0 (35.4-36.6)
9	43.7 (43.5-44.0)	40.5 (39.8-41.1)	45.3 (42.7-48.0)	44.4 (42.6-46.1)	41.9 (41.2-42.5)	45.3 (44.9-45.6)	42.9 (42.2-43.7)	53.5 (49.7-57.3)	40.8 (39.7-41.8)
10	40.6 (40.4-40.8)	38.7 (38.0-39.4)	41.1 (39.7-42.5)	42.0 (40.1-43.8)	39.2 (38.6-39.9)	41.2 (41.0-41.5)	43.1 (42.3-43.9)	49.1 (46.9-51.3)	36.0 (35.3-36.7)
11	38.3 (38.1-38.5)	35.6 (35.0-36.2)	42.2 (39.3-45.1)	39.6 (38.2-40.9)	35.9 (35.3-36.4)	40.3 (40.0-40.6)	37.8 (37.3-38.3)	44.5 (43.1-46.0)	33.5 (32.7-34.3)
12	34.3 (34.1-34.5)	31.8 (31.2-32.4)	36.6 (33.9-39.4)	36.1 (34.7-37.6)	33.0 (32.4-33.5)	35.1 (34.9-35.4)	34.1 (33.5-34.7)	43.5 (39.6-47.4)	30.6 (29.7-31.5)
13	32.3 (32.0-32.5)	29.1 (28.3-29.9)	33.0 (31.8-34.3)	34.2 (32.2-36.3)	27.5 (26.9-28.0)	34.3 (34.0-34.6)	34.3 (33.4-35.2)	37.3 (35.2-39.4)	27.5 (26.4-28.5)
14	27.5 (27.3-27.7)	26.1 (25.6-26.5)	36.5 (32.6-40.5)	30.3 (29.3-31.3)	26.5 (26.0-27.0)	28.7 (28.4-28.9)	27.3 (26.9-27.6)	34.2 (32.1-36.3)	23.1 (22.5-23.7)
15	30.5 (30.2-30.9)	28.2 (26.9-29.5)	40.2 (35.5-45.0)	32.7 (30.0-35.4)	29.8 (28.6-31.1)	30.3 (29.9-30.7)	33.8 (32.7-34.9)	39.7 (35.4-44.0)	27.7 (25.9-29.5)
16	29.6 (29.2-30.0)	27.4 (26.0-28.8)	34.6 (30.1-39.1)	34.4 (31.5-37.3)	29.0 (27.7-30.2)	29.4 (28.9-29.8)	31.9 (30.8-33.1)	37.1 (32.8-41.4)	28.5 (26.4-30.6)
17	29.1 (28.7-29.5)	27.4 (26.1-28.8)	30.2 (25.9-34.5)	29.3 (26.6-32.0)	28.9 (27.7-30.1)	28.8 (28.4-29.2)	31.8 (30.6-33.0)	38.9 (34.6-43.1)	28.6 (26.5-30.8)

The last measurement was used for the same age year if a child had more than one body mass index measurement.

Table 4A. Prevalence trends of obesity between 2005 and 2017 in boys by age groups (2-5 years, 6-11 years, 12-17 years) and region

Trend (y)	Overall (95%CI)	Regions							
		Aragon (95%CI)	Asturias (95%CI)	Cantabria (95%CI)	Castille and Leon (95%CI)	Catalonia (95%CI)	Madrid (95%CI)	Murcia (95%CI)	Navarre (95%CI)
2-5 y									
2005	3.0 (2.9-3.1)	2.8 (2.4-3.3)	3.1 (2.4-3.8)	3.1 (2.4-3.8)		3.2 (3.0-3.4)	2.4 (2.1-2.7)	4.2 (2.8-5.6)	2.2 (1.9-2.6)
2006	2.8 (2.7-2.9)	2.5 (2.2-2.9)	2.9 (2.2-3.6)	3.1 (2.4-3.8)		3.0 (2.9-3.1)	2.3 (2.0-2.5)	5.3 (4.1-6.6)	1.9 (1.6-2.2)
2007	2.7 (2.6-2.8)	2.3 (2.0-2.6)	2.7 (2.0-3.4)	2.8 (2.1-3.4)		2.8 (2.7-2.9)	2.5 (2.2-2.7)	4.9 (3.7-6.1)	2.0 (1.7-2.3)
2008	2.7 (2.6-2.8)	2.7 (2.4-3.0)	3.1 (2.3-3.9)	3.0 (2.3-3.6)		2.9 (2.8-3.0)	2.1 (1.9-2.4)	3.8 (2.8-4.9)	2.0 (1.7-2.3)
2009	2.5 (2.4-2.6)	2.4 (2.1-2.6)	2.1 (1.4-2.9)	2.6 (2.0-3.2)		2.6 (2.5-2.8)	2.2 (2.0-2.4)	4.5 (3.4-5.7)	2.1 (1.8-2.4)
2010	2.6 (2.5-2.7)	2.6 (2.4-2.9)	2.6 (1.8-3.4)	3.3 (2.6-4.0)	3.0 (2.5-3.4)	2.7 (2.6-2.9)	2.1 (1.9-2.3)	3.4 (2.5-4.3)	2.0 (1.7-2.3)
2011	2.6 (2.5-2.7)	2.6 (2.3-2.8)	2.3 (1.5-3.1)	2.1 (1.6-2.7)	2.7 (2.5-3.0)	2.7 (2.6-2.9)	2.0 (1.7-2.2)	4.4 (3.4-5.4)	1.8 (1.5-2.1)
2012	2.4 (2.4-2.5)	2.5 (2.2-2.7)	2.0 (1.2-2.8)	2.3 (1.7-2.9)	2.5 (2.4-2.8)	2.5 (2.4-2.6)	2.1 (1.9-2.4)	3.4 (2.6-4.3)	1.7 (1.5-2.0)
2013	2.4 (2.3-2.4)	2.3 (2.1-2.6)	1.3 (0.6-2.0)	2.6 (1.9-3.3)	2.2 (2.0-2.4)	2.6 (2.5-2.7)	2.1 (1.8-2.4)	2.5 (1.7-3.4)	1.6 (1.3-1.8)
2014	2.3 (2.2-2.4)	2.1 (1.8-2.3)	1.9 (1.0-2.7)	2.0 (1.4-2.6)	2.2 (2.0-2.4)	2.2 (2.0-2.6)	2.0 (1.7-2.3)	2.6 (1.6-3.5)	1.6 (1.4-1.9)
2015	2.2 (2.1-2.3)	2.0 (1.8-2.2)	1.2 (0.6-1.9)	1.5 (0.9-2.2)	2.1 (1.9-2.3)	2.4 (2.3-2.5)	1.8 (1.5-2.1)	2.3 (1.4-3.2)	2.1 (1.8-2.4)
2016	2.3 (2.2-2.3)	2.1 (1.9-2.4)	0.8 (0.2-1.4)	0.8 (0.1-2.7)	2.1 (1.9-2.3)	2.5 (2.3-2.6)	2.0 (1.7-2.3)	2.5 (1.5-3.5)	1.8 (1.5-2.1)
2017	2.1 (2.0-2.2)	1.9 (1.7-2.1)	1.2 (0.4-2.1)	1.5 (0.8-2.3)	1.9 (1.8-2.1)	2.3 (2.1-2.4)	1.9 (1.6-2.2)	2.7 (1.6-3.8)	1.7 (1.4-1.9)
Change from 2005-2017*	-30.0%	-32.1%	-61.3%	-51.6%	-36.7%	-28.1%	-20.8%	-35.7%	-22.7%
6-11 y									
2005	19.5 (19.2-19.8)	16.6 (15.5-17.6)	21.1 (19.3-22.9)	20.8 (19.0-22.5)		20.2 (19.9-20.6)	19.3 (18.6-20.0)	26.5 (22.8-30.2)	14.4 (13.5-15.3)
2006	18.8 (18.6-19.1)	16.9 (15.9-17.8)	19.8 (18.0-21.5)	19.8 (18.0-21.5)		19.4 (19.1-19.8)	18.8 (18.2-19.5)	23.6 (20.6-26.5)	14.5 (13.6-15.4)
2007	18.8 (18.6-19.1)	16.2 (15.4-17.0)	19.3 (17.6-21.0)	20.9 (19.1-22.6)		19.7 (19.3-20.0)	18.0 (17.4-18.6)	27.1 (24.4-29.8)	14.7 (13.9-15.6)
2008	18.9 (18.7-19.2)	16.9 (16.2-17.6)	21.4 (19.4-23.4)	20.1 (18.4-21.8)		19.5 (19.2-19.8)	19.3 (18.7-19.9)	23.2 (20.9-25.6)	14.8 (13.9-15.6)
2009	19.1 (18.9-19.4)	17.2 (16.6-17.9)	18.4 (16.5-20.3)	19.7 (18.1-21.3)		19.9 (19.5-20.2)	19.4 (18.8-20.1)	22.6 (20.6-24.7)	15.1 (14.3-15.9)
2010	18.9 (18.7-19.1)	17.2 (16.6-17.9)	19.6 (17.4-21.7)	18.9 (17.3-20.6)	20.0 (18.9-21.0)	19.5 (19.2-19.8)	18.9 (18.3-19.5)	24.7 (22.4-27.0)	15.2 (14.4-16.0)
2011	18.7 (18.5-18.9)	17.0 (16.4-17.6)	18.2 (16.1-20.3)	19.5 (18.0-21.1)	17.6 (17.1-18.1)	19.7 (19.4-20.0)	18.6 (17.9-19.2)	24.9 (22.8-27.0)	15.8 (14.9-16.6)
2012	17.9 (17.7-18.1)	16.8 (16.2-17.4)	17.8 (15.6-19.7)	18.2 (16.6-19.7)	17.1 (16.7-17.6)	18.6 (18.3-18.9)	18.0 (17.4-18.7)	24.9 (22.9-26.8)	14.7 (13.9-15.5)
2013	18.1 (17.9-18.3)	16.8 (16.2-17.4)	18.4 (16.0-20.8)	16.7 (15.2-18.2)	17.1 (16.6-17.6)	19.0 (18.7-19.3)	18.3 (17.6-19.0)	23.9 (21.9-26.0)	14.9 (14.2-15.7)
2014	17.9 (17.7-18.1)	16.5 (15.9-17.1)	16.2 (13.7-18.7)	19.0 (17.2-20.8)	16.7 (16.2-17.2)	18.9 (18.6-19.2)	17.6 (16.8-18.3)	23.6 (21.5-25.8)	14.3 (13.6-15.1)
2015	17.6 (17.4-17.8)	16.7 (16.1-17.3)	16.9 (14.4-19.4)	19.1 (16.9-21.3)	17.0 (16.5-17.5)	18.2 (17.9-18.5)	17.3 (16.6-18.1)	21.1 (18.7-23.4)	14.2 (13.4-14.9)
2016	17.9 (17.7-18.1)	17.5 (16.9-18.1)	15.6 (13.1-18.1)	19.6 (17.1-22.1)	17.0 (16.5-17.4)	18.7 (18.4-19.0)	17.2 (16.4-18.0)	22.7 (19.9-25.5)	14.4 (13.7-15.2)
2017	17.6 (17.4-17.8)	17.3 (16.6-17.9)	16.3 (13.6-19.0)	18.3 (15.7-20.9)	16.7 (16.3-17.2)	18.3 (18.0-18.6)	17.0 (16.2-17.8)	22.1 (19.4-24.8)	13.8 (13.1-14.5)
Change from 2005-2017*	-9.7%	4.2%	-22.7%	-12.0%	-16.5%	-9.4%	-11.9%	-16.6%	-4.2%
12-17 y									
2005	14.4 (14.1-14.7)	13.0 (11.5-14.5)	18.0 (15.7-20.3)	14.4 (12.5-16.2)		14.7 (14.3-15.2)	14.4 (13.6-15.2)	24.2 (18.0-30.4)	10.3 (9.2-11.5)
2006	14.4 (14.1-14.7)	12.7 (11.4-14.0)	16.0 (13.8-18.3)	12.6 (11.0-14.3)		14.7 (14.3-15.2)	15.2 (14.4-16.0)	17.8 (13.0-22.7)	10.7 (9.6-11.8)
2007	14.3 (14.0-14.6)	12.1 (11.0-13.2)	14.8 (12.5-17.1)	13.1 (11.4-14.8)		14.7 (14.3-15.1)	15.2 (14.4-16.0)	25.7 (20.3-31.0)	11.2 (10.1-12.2)
2008	14.3 (14.0-14.6)	11.5 (10.6-12.4)	16.2 (13.5-18.8)	14.4 (12.6-16.2)		14.8 (14.4-15.2)	14.9 (14.1-15.7)	24.0 (19.5-28.6)	10.9 (9.9-12.0)
2009	14.2 (13.8-14.4)	13.1 (12.2-13.9)	16.6 (13.9-19.3)	12.4 (10.7-14.1)		14.6 (14.2-15.0)	14.2 (13.4-15.0)	19.3 (15.0-23.5)	11.5 (10.4-12.6)
2010	14.0 (13.8-14.3)	11.9 (11.1-12.7)	15.1 (12.2-17.9)	15.1 (13.2-17.0)	15.4 (14.1-16.8)	14.6 (14.2-14.9)	14.0 (13.2-14.7)	19.2 (15.3-23.0)	11.2 (10.1-12.3)
2011	13.5 (13.2-13.8)	12.1 (11.4-12.9)	12.6 (10.1-15.2)	13.4 (11.7-15.2)	12.2 (11.6-12.8)	14.5 (14.1-14.9)	13.5 (12.7-14.3)	21.9 (18.1-25.8)	10.5 (9.4-11.5)
2012	13.0 (12.8-13.3)	12.0 (11.2-12.8)	14.6 (11.7-17.4)	12.8 (11.0-14.6)	11.5 (10.9-12.1)	13.9 (13.5-14.2)	13.2 (12.4-14.1)	21.0 (17.3-24.6)	10.5 (9.5-11.6)
2013	12.8 (12.6-13.1)	11.8 (11.1-12.5)	12.1 (9.1-15.1)	10.4 (8.8-12.1)	11.1 (10.6-11.7)	13.8 (13.4-14.1)	12.7 (12.0-13.4)	18.0 (14.7-21.4)	10.6 (9.6-11.6)
2014	12.9 (12.6-13.1)	11.8 (11.2-12.5)	13.2 (9.7-16.6)	9.5 (8.1-11.0)	11.7 (11.2-12.2)	13.9 (13.6-14.2)	12.4 (11.8-13.0)	17.6 (14.9-20.2)	9.7 (8.7-10.6)
2015	12.8 (12.6-13.0)	12.1 (11.5-12.8)	14.7 (11.0-18.5)	10.7 (9.0-12.4)	11.7 (11.2-12.2)	13.8 (13.5-14.1)	11.7 (11.2-12.3)	17.6 (15.2-20.0)	9.9 (8.9-10.8)
2016	13.1 (12.8-13.3)	11.9 (11.3-12.5)	11.6 (8.6-14.5)	12.2 (10.2-14.3)	12.3 (11.8-12.8)	13.9 (13.6-14.2)	12.3 (11.7-12.9)	17.2 (14.6-19.7)	10.9 (10.0-11.9)
2017	13.5 (13.3-13.8)	12.8 (12.1-13.4)	8.3 (5.3-11.3)	11.3 (9.2-13.4)	12.9 (12.4-13.4)	14.6 (14.3-14.9)	11.7 (11.0-12.4)	19.1 (16.3-21.9)	10.2 (9.3-11.2)
Change from 2005-2017*	-6.3%	-1.5%	-53.9%	-21.5%	-16.2%	-0.7%	-18.8%	-21.1%	-1.0%

The last measurement was used for the same study year if a child had more than one body mass index measurement.

* The percent change of prevalence between the years 2005 to 2017 was calculated by dividing the difference between the prevalence in 2005 and 2017 by the prevalence in 2005 and multiplying by 100. For Castille and Leon the difference was calculated between 2010 and 2017.

Table 4B of the supplementary data. Prevalence trends of obesity between 2005 and 2017 in girls by age groups (2-5 years, 6-11 years, 12-17 years) and region

Trend (y)	Overall (95%CI)	Regions							
		Aragon (95%CI)	Asturias (95%CI)	Cantabria (95%CI)	Castille and Leon (95%CI)	Catalonia (95%CI)	Madrid (95%CI)	Murcia (95%CI)	Navarre (95%CI)
2-5 y									
2005	2.5 (2.4-2.6)	2.1 (1.7-2.5)	3.2 (2.5-4.0)	2.6 (2.0-3.2)		2.8 (2.6-2.9)	1.7 (1.5-1.9)	4.4 (2.9-5.8)	1.6 (1.3-1.9)
2006	2.3 (2.2-2.4)	2.1 (1.8-2.4)	2.4 (1.7-3.0)	2.7 (2.0-3.4)		2.5 (2.4-2.6)	1.7 (1.5-1.9)	4.5 (3.3-5.7)	1.5 (1.2-1.8)
2007	2.2 (2.1-2.3)	1.7 (1.4-2.0)	3.0 (2.3-3.8)	2.7 (2.0-3.4)		2.4 (2.3-2.5)	1.6 (1.4-1.8)	4.8 (3.5-6.0)	1.4 (1.2-1.7)
2008	2.2 (2.1-2.3)	1.9 (1.6-2.1)	2.4 (1.6-3.1)	1.7 (1.2-2.2)		2.4 (2.3-2.5)	1.6 (1.4-1.8)	4.9 (3.7-6.1)	1.5 (1.3-1.8)
2009	2.2 (2.1-2.3)	1.9 (1.7-2.1)	1.8 (1.1-2.5)	1.9 (1.3-2.4)		2.4 (2.3-2.5)	1.7 (1.5-1.9)	3.0 (2.1-4.0)	1.7 (1.4-2.0)
2010	2.2 (2.1-2.3)	2.1 (1.8-2.3)	1.9 (1.2-2.7)	1.9 (1.4-2.5)	2.9 (2.4-3.3)	2.3 (2.2-2.4)	1.9 (1.7-2.1)	2.9 (2.0-3.8)	1.8 (1.5-2.0)
2011	2.1 (2.0-2.2)	2.1 (1.9-2.4)	1.4 (0.7-2.0)	1.6 (1.1-2.1)	2.0 (1.9-2.2)	2.3 (2.2-2.4)	1.6 (1.4-1.8)	3.5 (2.5-4.4)	1.5 (1.2-1.8)
2012	2.0 (1.9-2.1)	1.9 (1.7-2.2)	1.7 (0.9-2.5)	1.9 (1.3-2.4)	1.7 (1.6-1.9)	2.2 (2.1-2.3)	2.0 (1.8-2.3)	2.9 (2.0-3.7)	1.4 (1.2-1.7)
2013	2.0 (1.9-2.0)	1.8 (1.6-2.0)	1.8 (0.9-2.6)	2.4 (1.8-3.0)	1.6 (1.5-1.8)	2.2 (2.1-2.3)	1.6 (1.4-1.9)	3.1 (2.1-4.0)	1.4 (1.1-1.6)
2014	1.9 (1.8-2.0)	1.6 (1.4-1.8)	1.6 (0.7-2.4)	2.2 (1.6-2.8)	1.7 (1.5-1.8)	2.1 (2.0-2.2)	1.7 (1.4-2.0)	3.2 (2.2-4.2)	1.4 (1.2-1.7)
2015	1.8 (1.8-1.9)	1.7 (1.5-1.9)	0.8 (0.2-1.4)	1.7 (1.0-2.4)	1.7 (1.6-1.9)	2.0 (1.8-2.1)	1.7 (1.4-1.9)	2.9 (1.8-3.9)	1.6 (1.3-1.9)
2016	1.9 (1.8-1.9)	1.8 (1.6-2.0)	1.2 (0.4-1.9)	1.7 (0.9-2.5)	1.7 (1.6-1.9)	2.0 (1.9-2.1)	1.6 (1.3-1.8)	2.1 (1.1-3.0)	1.6 (1.3-1.8)
2017	1.8 (1.7-1.8)	1.6 (1.4-1.8)	1.2 (0.5-3.6)	2.6 (1.5-3.6)	1.5 (1.3-1.6)	2.0 (1.9-2.2)	1.3 (1.1-1.6)	1.3 (0.5-2.1)	1.3 (1.1-1.6)
Change from 2005-2017*	-28.0%	-23.8%	-62.5%	0.0%	-48.3%	-28.6%	-23.5%	-70.5%	-18.8%
6-11 y									
2005	13.8 (13.6-14.1)	11.4 (10.5-12.3)	13.5 (12.0-15.1)	11.8 (10.4-13.2)		14.8 (14.4-15.1)	12.9 (12.3-13.5)	19.9 (16.5-23.2)	10.0 (9.2-10.8)
2006	13.6 (13.4-13.9)	10.3 (9.6-11.1)	12.9 (11.4-14.4)	13.7 (12.2-15.2)		14.5 (14.2-14.8)	13.1 (12.5-13.6)	17.8 (15.1-20.5)	10.3 (9.6-11.1)
2007	13.4 (13.2-13.6)	10.8 (10.1-11.5)	13.3 (11.8-14.9)	14.1 (12.6-15.5)		14.2 (13.9-14.4)	13.2 (12.6-13.7)	20.5 (18.1-23.0)	10.0 (9.3-10.7)
2008	13.5 (13.3-13.7)	11.3 (10.7-11.9)	11.9 (10.3-13.6)	14.3 (12.9-15.8)		14.2 (13.9-14.5)	13.4 (12.8-13.9)	20.4 (18.2-22.7)	10.3 (9.6-11.0)
2009	13.6 (13.3-13.8)	11.4 (10.9-12.0)	11.3 (9.6-12.9)	14.1 (12.7-15.5)		14.4 (14.1-14.6)	13.3 (12.7-13.8)	18.7 (16.7-20.7)	10.5 (9.8-11.2)
2010	13.6 (13.4-13.8)	11.8 (11.2-12.3)	12.1 (11.8-14.6)	13.2 (11.8-14.6)	13.3 (12.5-14.2)	14.5 (14.2-14.8)	12.9 (12.4-13.5)	19.3 (17.3-21.4)	10.2 (9.5-10.9)
2011	13.3 (13.1-13.5)	12.1 (11.5-12.6)	12.1 (10.3-14.0)	13.2 (11.9-14.5)	11.1 (10.7-11.5)	14.6 (14.3-14.9)	13.0 (12.5-13.6)	18.9 (17.0-20.9)	10.9 (10.2-11.6)
2012	13.0 (12.8-13.2)	12.2 (11.7-12.7)	13.5 (11.4-15.6)	13.4 (12.0-14.7)	11.3 (10.9-11.7)	13.9 (13.6-14.2)	12.9 (12.3-13.5)	18.5 (16.8-20.2)	10.7 (10.0-11.3)
2013	13.0 (12.8-13.2)	11.8 (11.3-12.3)	11.2 (9.2-13.2)	12.6 (11.2-13.9)	11.5 (11.1-11.9)	14.1 (13.8-14.3)	13.0 (12.4-13.6)	16.9 (15.1-18.8)	10.4 (9.7-11.1)
2014	13.2 (13.0-13.3)	11.9 (11.4-12.4)	9.3 (7.3-11.2)	12.7 (11.2-14.2)	11.4 (11.0-11.8)	14.1 (13.9-14.4)	13.7 (13.1-14.4)	16.8 (14.9-18.8)	10.9 (10.2-11.6)
2015	12.9 (12.7-13.1)	12.3 (11.7-12.8)	11.8 (9.6-14.0)	12.9 (11.0-14.8)	12.0 (11.6-12.4)	13.6 (13.4-13.9)	12.3 (11.6-12.9)	16.5 (14.4-18.6)	10.4 (9.8-11.1)
2016	13.1 (12.9-13.2)	12.1 (11.6-12.6)	10.6 (8.5-12.8)	12.8 (10.7-14.8)	12.1 (11.7-12.5)	13.8 (13.5-14.0)	12.8 (12.1-13.5)	19.6 (16.8-22.3)	10.6 (10.0-11.3)
2017	13.1 (12.9-13.2)	12.5 (12.0-13.1)	12.4 (9.8-15.0)	14.3 (11.9-16.6)	12.0 (11.6-12.4)	13.8 (13.6-14.1)	12.5 (11.8-13.2)	16.2 (13.8-18.7)	10.7 (10.1-11.3)
Change from 2005-2017*	-5.1%	9.6%	-8.1%	21.2%	-9.8%	-6.8%	-3.1%	-18.6%	7.0%
12-17 y									
2005	9.0 (8.7-9.2)	6.4 (5.3-7.5)	10.3 (8.4-12.1)	6.3 (5.0-7.6)		9.4 (9.0-9.7)	9.1 (8.5-9.8)	15.4 (10.8-20.0)	6.6 (5.7-7.6)
2006	8.9 (8.6-9.1)	7.8 (6.7-8.8)	11.8 (9.8-13.8)	7.2 (5.9-8.5)		9.3 (9.0-9.6)	8.7 (8.1-9.3)	16.6 (11.8-21.4)	5.6 (4.7-6.4)
2007	9.1 (8.8-9.3)	6.7 (5.8-7.5)	10.8 (8.8-12.8)	9.2 (7.8-10.6)		9.5 (9.1-9.8)	9.0 (8.4-9.6)	16.4 (11.3-21.4)	6.8 (6.0-7.7)
2008	9.1 (8.9-9.4)	7.0 (6.3-7.8)	9.6 (7.6-11.6)	10.1 (8.7-11.5)		9.5 (9.2-9.8)	9.1 (8.5-9.7)	18.4 (13.7-23.1)	6.9 (6.0-7.8)
2009	8.9 (8.6-9.1)	7.4 (6.7-8.0)	9.5 (7.3-11.6)	9.7 (8.2-11.2)		9.1 (8.8-9.4)	9.2 (8.6-9.9)	22.9 (18.4-27.4)	6.6 (5.8-7.5)
2010	9.1 (8.8-9.3)	7.8 (7.1-8.4)	9.9 (7.6-12.2)	8.5 (7.0-9.9)	9.6 (8.5-10.8)	9.6 (9.3-9.9)	8.6 (8.0-9.2)	16.3 (12.7-20.0)	6.2 (5.4-7.1)
2011	8.8 (8.6-9.0)	7.2 (6.6-7.8)	7.6 (5.5-9.7)	9.6 (8.0-11.1)	7.5 (7.0-7.9)	9.8 (9.5-10.2)	8.3 (7.6-8.9)	15.2 (11.9-18.5)	6.4 (5.6-7.3)
2012	8.3 (8.1-8.5)	7.3 (6.7-8.0)	10.6 (8.0-13.2)	8.4 (6.9-9.8)	7.1 (6.6-7.5)	9.0 (8.7-9.3)	7.9 (7.2-8.5)	16.2 (13.1-19.4)	6.4 (5.5-7.2)
2013	8.3 (8.1-8.5)	7.5 (6.9-8.1)	10.9 (8.0-13.9)	8.2 (6.8-9.7)	6.8 (6.4-7.3)	8.9 (8.7-9.2)	8.2 (7.6-8.8)	13.0 (9.9-16.1)	6.6 (5.8-7.5)
2014	8.2 (8.1-8.4)	7.2 (6.7-7.8)	10.2 (7.1-13.4)	8.5 (7.1-9.9)	7.0 (6.5-7.4)	9.1 (8.8-9.4)	7.6 (7.1-8.1)	11.3 (8.9-13.7)	6.3 (5.5-7.2)
2015	8.4 (8.2-8.6)	7.6 (7.1-8.1)	11.6 (8.2-15.1)	9.6 (8.0-11.1)	7.5 (7.1-7.9)	9.1 (8.9-9.4)	7.5 (7.0-8.0)	13.1 (10.8-15.4)	6.5 (5.7-7.3)
2016	9.1 (8.9-9.3)	8.0 (7.5-8.6)	7.9 (5.4-10.4)	8.2 (6.4-9.9)	8.5 (8.1-8.9)	9.8 (9.6-10.1)	8.2 (7.7-8.8)	13.7 (11.4-16.0)	7.6 (6.7-8.4)
2017	9.3 (9.1-9.5)	8.0 (7.5-8.5)	9.4 (6.3-12.6)	10.4 (8.4-12.5)	8.2 (7.8-8.7)	10.3 (10.0-10.6)	8.0 (7.4-8.5)	12.4 (9.9-14.9)	8.3 (7.4-9.2)
Change from 2005-2017*	3.3%	25.0%	-8.7%	65.1%	-14.6%	9.6%	-12.1%	-19.5%	25.8%

The last measurement was used for the same study year if a child had more than one body mass index measurement.

* The percent change of prevalence between the years 2005 to 2017 was calculated by dividing the difference between the prevalence in 2005 and 2017 by the prevalence in 2005 and multiplying by 100. For Castille and Leon the difference was calculated between 2010 and 2017.

Table 5A of the supplementary data. Prevalence trends of overweight/obesity between 2005 and 2017 in boys by age groups (2-5 years, 6-11 years, 12-17 years) and region

Trend (y)	Overall (95%CI)	Regions							
		Aragon (95%CI)	Asturias (95%CI)	Cantabria (95%CI)	Castille and Leon (95%CI)	Catalonia (95%CI)	Madrid (95%CI)	Murcia (95%CI)	Navarre (95%CI)
2-5 y									
2005	10.4 (10.2-10.6)	8.8 (8.0-9.6)	10.2 (8.9-11.4)	11.4 (10.1-12.6)		11.3 (11.0-11.5)	8.4 (7.9-8.8)	15.5 (13.0-17.9)	8.2 (7.5-8.9)
2006	9.9 (9.8-10.1)	8.7 (8.0-9.4)	10.4 (9.1-11.7)	11.0 (9.8-12.3)		10.6 (10.3-10.8)	8.2 (7.8-8.6)	14.2 (12.3-16.2)	7.9 (7.2-8.5)
2007	9.6 (9.4-9.8)	8.1 (7.5-8.6)	11.3 (10.0-12.7)	11.2 (9.9-12.4)		10.0 (9.8-10.3)	8.6 (8.1-9.0)	14.3 (12.3-16.2)	8.2 (7.5-8.8)
2008	9.5 (9.3-9.6)	8.9 (8.4-9.4)	10.5 (9.1-12.0)	10.2 (9.1-11.4)		10.0 (9.8-10.2)	7.5 (7.1-7.9)	14.4 (12.5-16.2)	8.2 (7.6-8.7)
2009	9.0 (8.8-9.2)	8.2 (7.7-8.6)	7.7 (6.4-9.1)	9.8 (8.7-10.9)		9.5 (9.3-9.7)	7.3 (6.9-7.7)	14.5 (12.6-16.4)	7.9 (7.3-8.5)
2010	9.0 (8.8-9.2)	8.8 (8.4-9.3)	7.7 (6.3-9.1)	9.7 (8.6-10.9)	9.2 (8.5-10.0)	9.5 (9.3-9.7)	7.0 (6.6-7.4)	13.5 (11.8-15.2)	7.8 (7.2-8.4)
2011	8.6 (8.4-8.7)	8.3 (7.8-8.7)	8.9 (7.4-10.5)	9.5 (8.3-10.6)		9.1 (8.9-9.3)	6.7 (6.3-7.2)	11.6 (10.0-13.2)	6.7 (6.2-7.2)
2012	8.3 (8.1-8.4)	7.4 (7.0-7.8)	7.4 (5.9-8.9)	8.8 (7.7-9.9)	8.6 (8.2-9.0)	8.1 (7.8-8.5)	6.8 (6.3-7.2)	10.2 (8.7-11.6)	6.9 (6.4-7.4)
2013	8.0 (7.8-8.1)	7.4 (6.9-7.8)	5.5 (4.2-6.9)	9.3 (8.1-10.5)	7.4 (7.1-7.7)	8.8 (8.6-9.0)	6.1 (5.6-6.5)	9.0 (7.5-10.6)	6.8 (6.2-7.3)
2014	7.9 (7.8-8.1)	7.2 (6.8-7.6)	7.0 (5.4-8.6)	8.9 (7.7-10.0)	7.5 (7.2-7.9)	8.5 (8.3-8.7)	6.5 (6.0-7.0)	8.2 (6.6-9.8)	6.7 (6.2-7.2)
2015	7.4 (7.3-7.6)	7.2 (6.8-7.6)	5.1 (3.7-6.5)	7.4 (6.1-8.8)	7.2 (6.8-7.5)	7.9 (7.7-8.1)	6.2 (5.7-6.7)	7.0 (5.5-8.6)	6.6 (6.1-7.2)
2016	7.7 (7.5-7.8)	7.2 (6.8-7.7)	4.8 (3.4-6.2)	7.0 (5.5-8.4)	7.3 (7.0-7.6)	8.3 (8.1-8.5)	6.2 (5.7-6.7)	7.8 (6.0-9.5)	6.5 (6.0-7.0)
2017	7.3 (7.2-7.5)	6.7 (6.3-7.1)	5.6 (3.9-7.2)	8.2 (6.5-9.9)	6.8 (6.5-7.1)	7.9 (7.7-8.1)	6.0 (5.5-6.5)	8.9 (7.0-10.8)	6.5 (5.9-7.0)
Change from 2005-2017 ^a	-29.8%	-23.9%	-45.1%	-28.1%	-26.1%	-30.1%	-28.6%	-42.6%	-20.7%
6-11 y									
2005	42.2 (41.8-42.5)	40.1 (38.6-41.5)	43.7 (41.5-45.9)	46.0 (43.8-48.1)		42.5 (42.1-43.0)	42.7 (41.8-43.6)	49.5 (45.4-53.7)	37.5 (36.3-38.8)
2006	41.2 (40.9-41.6)	39.5 (38.2-40.7)	43.7 (41.5-45.9)	44.5 (42.4-46.8)		41.5 (41.1-41.9)	41.5 (40.7-42.4)	45.5 (42.0-49.0)	37.9 (36.7-39.1)
2007	41.3 (41.0-41.7)	39.5 (38.5-40.6)	44.0 (41.8-46.1)	46.7 (44.5-48.8)		41.9 (41.5-42.3)	40.6 (39.8-41.4)	48.2 (45.1-51.2)	37.4 (36.2-38.5)
2008	41.1 (40.8-41.4)	40.1 (39.1-41.0)	47.0 (44.6-49.5)	46.0 (43.9-48.1)		41.3 (40.9-41.7)	41.2 (40.4-42.0)	45.5 (42.7-48.2)	37.7 (36.6-38.8)
2009	41.2 (40.9-41.5)	39.6 (38.7-40.4)	42.4 (40.0-44.8)	45.1 (43.0-47.1)		41.9 (41.5-42.2)	40.8 (40.0-41.6)	45.0 (42.6-47.5)	37.2 (36.1-38.3)
2010	41.4 (41.1-41.7)	40.5 (39.8-41.4)	42.6 (40.0-45.3)	44.6 (42.6-46.7)	42.6 (41.4-43.9)	41.7 (41.3-42.0)	40.8 (40.0-41.6)	48.6 (45.9-51.2)	37.5 (36.4-38.6)
2011	40.9 (40.6-41.2)	39.6 (38.9-40.4)	41.6 (38.9-44.3)	44.9 (43.0-46.8)	41.0 (40.4-41.6)	41.1 (40.7-41.5)	41.5 (40.7-42.3)	49.1 (46.7-51.5)	37.2 (36.1-38.3)
2012	40.1 (39.8-40.3)	39.3 (38.5-40.1)	42.5 (39.6-45.4)	41.5 (39.5-43.4)	40.5 (39.9-41.1)	40.1 (39.7-40.5)	40.9 (40.0-41.7)	48.4 (46.1-50.6)	35.7 (34.7-36.8)
2013	40.3 (40.0-40.5)	39.8 (39.0-40.5)	40.6 (37.6-43.7)	41.5 (39.6-43.5)	40.4 (39.8-41.0)	40.7 (40.3-41.0)	40.1 (39.2-41.0)	46.4 (43.9-48.8)	36.3 (35.3-37.4)
2014	39.4 (39.2-39.7)	37.8 (37.0-38.6)	35.9 (32.6-39.1)	42.0 (39.8-44.3)	38.9 (38.3-39.5)	40.4 (40.1-40.8)	37.8 (36.8-38.7)	46.9 (44.4-49.5)	35.2 (34.2-36.2)
2015	38.5 (38.3-38.8)	38.0 (37.2-38.8)	36.5 (33.2-39.7)	40.6 (37.8-43.3)	38.7 (38.1-39.3)	39.3 (38.9-39.6)	35.9 (35.0-36.9)	42.6 (39.8-45.4)	34.3 (33.3-35.3)
2016	38.7 (38.4-38.9)	38.1 (37.3-38.9)	40.4 (37.1-43.7)	41.5 (38.3-44.6)	38.9 (38.2-39.5)	39.3 (39.0-39.7)	35.7 (34.7-36.7)	44.4 (41.1-47.8)	35.1 (34.1-36.0)
2017	37.8 (37.5-38.1)	37.2 (36.4-38.0)	36.9 (33.4-40.5)	39.7 (36.4-43.0)	37.6 (37.0-38.2)	38.7 (38.4-39.1)	34.6 (33.6-35.6)	44.1 (40.9-47.3)	33.8 (32.8-34.8)
Change from 2005-2017 ^a	-10.4%	-7.2%	-15.6%	-13.7%	-11.7%	-8.9%	-19.0%	-10.9%	-9.9%
12-17 y									
2005	37.9 (37.4-38.3)	38.4 (36.2-40.5)	43.1 (40.2-46.1)	41.2 (38.6-43.8)		37.8 (37.2-38.4)	38.3 (37.2-39.5)	39.0 (31.9-46.1)	32.7 (30.9-34.5)
2006	38.1 (37.6-38.5)	36.0 (34.2-37.9)	41.1 (38.0-44.2)	35.9 (33.4-38.3)		38.1 (37.6-38.7)	39.5 (38.4-40.6)	43.6 (37.3-49.8)	34.9 (33.2-36.5)
2007	38.2 (37.8-38.7)	36.9 (35.3-38.4)	41.2 (38.1-44.4)	37.7 (35.3-40.1)		38.2 (37.7-38.8)	39.7 (38.7-40.8)	46.3 (40.2-52.4)	34.9 (33.2-36.5)
2008	38.8 (38.3-39.2)	35.2 (33.8-36.5)	43.4 (39.9-47.0)	41.2 (38.7-43.8)		39.1 (38.6-39.7)	39.8 (38.7-40.9)	44.8 (39.5-50.1)	35.2 (33.6-36.9)
2009	37.9 (37.5-38.4)	36.4 (35.1-37.6)	43.0 (39.4-46.7)	37.9 (35.4-40.4)		38.5 (38.0-39.0)	38.0 (36.9-39.0)	41.9 (36.6-47.2)	34.0 (32.5-35.6)
2010	37.8 (37.4-38.2)	35.7 (34.5-36.9)	42.1 (38.1-46.0)	40.7 (38.0-43.3)	38.6 (36.8-40.4)	38.4 (37.9-38.9)	37.4 (36.3-38.5)	40.3 (35.5-45.1)	34.3 (32.7-35.9)
2011	37.4 (37.0-37.7)	35.3 (34.2-36.5)	39.6 (35.9-43.3)	39.4 (36.9-41.9)	36.0 (35.1-36.8)	38.7 (38.2-39.3)	36.7 (35.6-37.9)	46.7 (40.0-49.1)	32.5 (30.9-34.1)
2012	36.4 (36.0-36.8)	34.9 (33.8-36.0)	35.7 (31.8-39.6)	37.2 (34.6-39.8)	35.2 (34.4-36.1)	37.5 (37.0-38.0)	36.2 (35.1-37.4)	42.4 (37.9-46.8)	32.0 (30.4-33.5)
2013	36.0 (35.6-36.3)	34.6 (33.5-35.6)	35.9 (31.5-40.3)	38.2 (35.6-40.8)	34.3 (33.4-35.1)	37.3 (36.8-37.8)	34.5 (33.5-35.5)	40.9 (36.6-45.2)	31.9 (30.4-33.5)
2014	36.1 (35.8-36.4)	34.9 (33.9-35.9)	36.4 (31.5-41.4)	35.9 (33.5-38.2)	35.4 (34.7-36.2)	37.2 (36.7-37.6)	34.9 (33.9-35.8)	42.4 (29.9-45.9)	31.4 (29.9-32.9)
2015	35.8 (35.5-36.1)	34.8 (33.8-35.7)	34.7 (29.7-39.7)	35.5 (32.9-38.2)	35.1 (34.3-35.8)	36.8 (36.4-37.3)	34.9 (34.0-35.7)	41.3 (38.1-44.4)	30.6 (29.2-32.1)
2016	35.8 (35.5-36.1)	35.3 (34.4-36.3)	38.2 (33.8-42.7)	35.2 (32.2-38.2)	35.4 (34.7-36.1)	36.7 (36.3-37.2)	34.4 (33.5-35.3)	40.1 (36.8-43.5)	30.8 (29.3-32.2)
2017	36.0 (35.7-36.4)	36.0 (35.1-36.9)	35.7 (30.5-40.9)	36.4 (33.2-39.6)	35.7 (35.0-36.4)	36.9 (36.5-37.4)	34.1 (33.1-35.1)	44.6 (41.0-48.1)	30.4 (29.0-31.8)
Change from 2005-2017 ^a	-5.0%	-6.3%	-17.2%	-11.7%	-7.5%	2.4%	-11.0%	14.4%	-7.0%

The last measurement was used for the same study year if a child had more than one body mass index measurement.

^a The percent change of prevalence between the years 2005 to 2017 was calculated by dividing the difference between the prevalence in 2005 and 2017 by the prevalence in 2005 and multiplying by 100. For Castille and Leon the difference was calculated between 2010 and 2017.

Table 5B of the supplementary data: Prevalence trends of overweight/obesity between 2005 and 2017 in girls by age groups (2-5 years, 6-11 years, 12-17 years) and region

Trend (y)	Overall (95%CI)	Regions							
		Aragon (95%CI)	Asturias (95%CI)	Cantabria (95%CI)	Castille and Leon (95%CI)	Catalonia (95%CI)	Madrid (95%CI)	Murcia (95%CI)	Navarre (95%CI)
2-5 y									
2005	9.6 (9.4-9.8)	8.6 (7.8-9.4)	10.5 (9.2-11.8)	10.7 (9.4-11.9)		10.5 (10.2-10.7)	6.9 (6.5-7.4)	14.5 (12.0-17.0)	7.7 (7.0-8.3)
2006	9.4 (9.2-9.6)	8.1 (7.4-8.8)	10.5 (9.1-11.8)	10.7 (9.4-11.9)		10.1 (9.9-10.4)	7.0 (6.5-7.4)	15.3 (13.2-17.4)	7.3 (6.7-7.9)
2007	9.0 (8.8-9.2)	7.7 (7.1-8.2)	10.3 (9.0-11.7)	10.4 (9.1-11.6)		9.6 (9.4-9.9)	7.1 (6.7-7.5)	13.1 (11.2-15.1)	7.6 (7.0-8.2)
2008	8.9 (8.7-9.0)	7.8 (7.3-8.3)	8.8 (7.4-10.2)	8.3 (7.2-9.4)		9.5 (9.3-9.8)	6.8 (6.4-7.2)	14.1 (12.2-16.0)	7.8 (7.2-8.4)
2009	8.6 (8.4-8.8)	8.0 (7.5-8.5)	8.0 (6.6-9.5)	9.2 (8.1-10.4)		9.2 (9.0-9.4)	6.6 (6.2-7.0)	11.4 (9.7-13.2)	7.3 (6.7-7.9)
2010	8.5 (8.3-8.7)	8.2 (7.7-8.6)	7.3 (5.9-8.8)	8.6 (7.4-9.7)		8.9 (8.7-9.1)	7.1 (6.6-7.5)	10.6 (8.9-12.2)	7.4 (6.8-8.0)
2011	8.2 (8.0-8.3)	7.7 (7.3-8.2)	7.3 (5.8-8.7)	8.1 (7.0-9.2)	9.0 (8.3-9.8)	8.8 (8.6-9.0)	6.2 (5.8-6.7)	9.8 (8.2-11.3)	6.7 (6.2-7.2)
2012	7.8 (7.7-8.0)	7.0 (6.6-7.4)	7.5 (6.0-9.1)	8.2 (7.1-9.3)	7.4 (7.0-7.7)	8.4 (8.2-8.6)	7.2 (6.7-7.7)	10.5 (8.9-12.0)	6.3 (5.8-6.9)
2013	7.8 (7.6-7.9)	6.8 (6.3-7.2)	7.9 (6.2-9.7)	8.5 (7.3-9.7)	7.2 (6.9-7.6)	8.6 (8.4-8.8)	6.3 (5.8-6.7)	10.2 (8.5-11.9)	6.1 (5.5-6.6)
2014	7.5 (7.3-7.6)	6.5 (6.1-6.9)	7.0 (5.2-8.7)	9.6 (8.3-10.8)	7.1 (6.7-7.4)	8.1 (7.9-8.3)	6.2 (5.7-6.7)	9.4 (7.7-11.2)	6.0 (5.5-6.5)
2015	7.1 (7.0-7.3)	6.5 (6.1-7.0)	5.2 (3.7-6.7)	7.5 (6.1-8.8)	6.9 (6.6-7.3)	7.6 (7.4-7.8)	6.3 (5.8-6.9)	8.9 (7.1-10.7)	6.2 (5.6-6.7)
2016	7.2 (7.0-7.3)	6.9 (6.5-7.4)	5.0 (3.5-6.5)	8.1 (6.4-9.8)	6.4 (6.1-6.8)	7.9 (7.7-8.1)	5.7 (5.2-6.2)	6.5 (4.8-8.1)	5.9 (5.4-6.5)
2017	7.0 (6.8-7.2)	6.4 (6.0-6.8)	6.1 (4.2-7.9)	8.4 (6.6-10.2)	6.4 (6.0-6.7)	7.7 (7.5-7.9)	5.4 (4.8-5.9)	6.3 (4.8-8.1)	6.4 (5.8-6.9)
Change from 2005-2017 ^a	-27.1%	-25.6%	-41.9%	21.5%	-28.9%	-26.7%	-21.7%	-56.6%	-16.9%
6-11 y									
2005	38.5 (38.1-38.8)	36.1 (34.7-37.5)	38.6 (36.4-40.8)	39.1 (37.0-41.2)		39.4 (38.9-39.8)	37.6 (36.7-38.5)	41.4 (37.3-45.6)	34.1 (32.8-35.3)
2006	38.5 (38.1-38.8)	35.4 (34.2-36.7)	38.2 (36.0-40.4)	39.6 (37.4-41.7)		39.3 (38.9-39.8)	37.5 (36.7-38.3)	47.4 (43.9-51.0)	34.9 (33.8-36.1)
2007	38.1 (37.8-38.4)	35.4 (34.3-36.4)	41.4 (39.2-43.6)	41.5 (39.4-43.6)		38.8 (38.4-39.2)	37.4 (36.6-38.1)	45.4 (42.4-48.4)	34.3 (33.2-35.4)
2008	38.0 (37.6-38.3)	35.6 (34.7-36.5)	40.4 (37.9-42.9)	41.8 (39.8-43.9)		38.7 (38.3-39.1)	37.0 (36.3-37.8)	43.2 (40.5-46.0)	34.5 (33.3-35.6)
2009	38.1 (37.8-38.4)	36.0 (35.1-36.8)	40.4 (37.9-42.9)	40.9 (38.9-42.9)		38.9 (38.5-39.3)	37.1 (36.3-37.9)	44.5 (41.9-47.0)	34.2 (33.1-35.3)
2010	38.4 (38.1-38.7)	36.3 (35.5-37.1)	40.8 (38.1-43.5)	39.1 (37.1-41.1)	38.0 (36.8-39.3)	39.2 (38.8-39.6)	38.0 (37.3-38.8)	45.4 (42.8-48.0)	34.8 (33.7-35.9)
2011	38.0 (37.7-38.2)	36.4 (35.6-37.2)	37.6 (34.9-40.4)	40.2 (38.3-42.0)	36.4 (35.8-37.0)	39.2 (38.8-39.6)	37.5 (36.7-38.2)	43.6 (41.1-46.0)	34.9 (33.8-36.0)
2012	37.3 (37.1-37.6)	36.2 (35.4-37.0)	38.2 (35.3-41.1)	40.1 (38.1-42.1)	36.2 (35.6-36.8)	38.2 (37.8-38.6)	37.2 (36.3-38.0)	41.0 (38.8-43.2)	34.1 (33.1-35.2)
2013	37.3 (37.0-37.5)	35.9 (35.2-36.7)	34.9 (31.9-38.0)	38.6 (36.6-40.6)	36.0 (35.4-36.5)	38.4 (38.0-38.7)	36.9 (36.0-37.7)	43.1 (40.6-45.5)	33.8 (32.7-34.8)
2014	37.2 (37.0-37.5)	35.2 (34.5-36.0)	33.9 (30.7-37.0)	38.5 (36.3-40.7)	36.1 (35.5-36.7)	38.4 (38.0-38.7)	36.9 (35.9-37.9)	41.0 (38.4-43.6)	33.8 (32.8-34.8)
2015	36.0 (35.7-36.2)	34.5 (33.8-35.3)	37.6 (34.3-41.0)	37.7 (35.0-40.5)	35.6 (35.0-36.2)	36.9 (36.5-37.2)	34.0 (33.0-34.9)	39.8 (37.0-42.6)	32.2 (31.2-33.2)
2016	36.2 (36.0-36.5)	35.2 (34.4-35.9)	32.3 (29.0-35.5)	37.6 (34.6-40.6)	36.2 (35.6-36.8)	37.0 (36.7-37.3)	34.1 (33.1-35.1)	41.9 (38.4-45.3)	33.2 (32.3-34.2)
2017	35.8 (35.5-36.0)	34.7 (33.9-35.5)	36.6 (32.8-40.3)	38.2 (34.9-41.4)	35.3 (34.7-35.9)	36.7 (36.4-37.1)	32.9 (31.9-33.9)	35.2 (32.1-38.4)	32.9 (31.9-33.9)
Change from 2005-2017 ^a	-7.0%	-3.9%	-5.2%	-2.3%	-7.1%	-6.9%	-12.5%	-15.0%	-3.5%
12-17 y									
2005	31.8 (31.3-32.2)	27.9 (25.9-29.9)	35.4 (32.5-38.4)	32.7 (30.2-35.2)		32.3 (31.7-32.9)	32.1 (31.1-33.2)	42.7 (36.4-49.1)	25.8 (24.1-27.5)
2006	30.9 (30.5-31.4)	28.1 (26.3-29.9)	33.5 (30.5-36.4)	32.7 (30.3-35.2)		31.7 (31.1-32.2)	30.1 (29.1-31.1)	43.7 (37.2-50.1)	25.9 (24.3-27.5)
2007	31.1 (30.7-31.6)	27.5 (26.0-28.9)	35.2 (32.2-38.2)	32.2 (29.9-34.5)		32.0 (31.5-32.6)	30.4 (29.4-31.3)	40.4 (33.7-47.0)	26.4 (24.9-28.0)
2008	31.6 (31.2-32.0)	28.1 (26.8-29.4)	33.0 (29.8-36.2)	33.0 (30.7-35.2)		32.6 (32.1-33.1)	31.1 (30.2-32.1)	43.7 (37.4-49.7)	26.8 (25.2-28.3)
2009	31.4 (30.9-31.8)	29.1 (27.9-30.2)	32.3 (28.9-35.7)	32.5 (30.2-34.9)		32.1 (31.6-32.6)	31.6 (30.6-32.6)	39.3 (34.1-44.5)	26.2 (24.7-27.7)
2010	31.6 (31.2-32.0)	28.5 (27.4-29.6)	35.2 (31.5-38.8)	32.9 (30.4-35.4)	31.2 (29.4-32.9)	32.8 (32.2-33.3)	31.0 (30.0-32.0)	36.5 (31.7-41.2)	26.2 (24.7-27.7)
2011	30.8 (30.4-31.1)	27.9 (26.9-29.0)	35.3 (31.5-39.1)	34.6 (32.1-37.1)	28.7 (27.9-29.5)	32.3 (31.8-32.8)	30.4 (29.4-31.4)	36.7 (32.3-41.1)	26.5 (24.9-28.0)
2012	30.4 (30.1-30.8)	27.8 (26.8-28.8)	37.2 (33.1-41.3)	32.6 (30.1-35.1)	28.1 (27.3-28.9)	31.9 (31.4-32.4)	29.5 (28.4-30.6)	38.5 (34.4-42.6)	27.0 (25.4-28.5)
2013	30.0 (29.6-30.3)	28.1 (27.1-29.1)	36.3 (31.7-40.8)	32.0 (29.6-34.5)	27.6 (26.8-28.4)	31.2 (30.8-31.7)	29.6 (28.6-30.6)	36.6 (32.2-41.0)	26.0 (24.5-27.5)
2014	30.1 (29.7-30.4)	27.6 (26.6-28.5)	30.5 (25.7-35.2)	30.5 (28.3-32.9)	28.7 (27.9-29.4)	31.5 (31.1-31.9)	29.1 (28.2-30.0)	32.5 (29.0-36.0)	25.9 (24.5-27.4)
2015	30.2 (29.9-30.5)	28.9 (28.0-29.8)	35.2 (30.1-40.3)	32.4 (29.9-34.9)	29.2 (28.5-29.9)	30.9 (30.5-31.4)	29.8 (29.0-30.6)	37.4 (34.1-40.6)	26.4 (25.0-27.9)
2016	30.8 (30.5-31.1)	29.3 (28.4-30.1)	31.9 (27.6-36.2)	31.1 (28.1-34.0)	30.4 (29.7-31.1)	31.8 (31.4-32.2)	29.5 (28.6-30.4)	37.1 (33.8-40.3)	26.8 (25.3-28.2)
2017	31.3 (31.0-31.6)	29.6 (28.7-30.4)	29.8 (24.9-34.7)	31.9 (28.8-35.1)	30.0 (29.3-30.7)	32.5 (32.0-32.9)	30.6 (29.6-31.6)	34.8 (31.2-38.4)	28.5 (27.0-30.0)
Change from 2005-2017 ^a	-1.6%	6.1%	-15.8%	-24%	-3.8%	0.6%	-4.7%	-18.5%	10.5%

The last measurement was used for the same study year if a child had more than one body mass index measurement.

^a The percent change of prevalence between the years 2005 to 2017 was calculated by dividing the difference between the prevalence in 2005 and 2017 by the prevalence in 2005 and multiplying by 100. For Castille and Leon the difference was calculated between 2010 and 2017.

Table 6 of the supplementary data: Incidence rate (number of new cases/100 person-year) of obesity and sex, age, and region

Age (y)	Regions (N° new cases / 100 person-year)								
	Overall (95%CI)	Aragon (95%CI)	Asturias (95%CI)	Cantabria (95%CI)	Castille and Leon (95%CI)	Catalonia (95%CI)	Madrid (95%CI)	Murcia (95%CI)	Navarre (95%CI)
<i>Boys</i>									
2-3	0.5 (0.5-0.5)	0.5 (0.5-0.6)	0.5 (0.4-0.7)	0.5 (0.4-0.7)	0.5 (0.4-0.5)	0.6 (0.5-0.6)	0.3 (0.2-0.3)	0.4 (0.3-0.6)	0.5 (0.4-0.6)
4-5	1.6 (1.5-1.6)	1.7 (1.6-1.8)	1.3 (1.1-1.6)	1.7 (1.5-1.9)	1.8 (1.7-1.8)	1.6 (1.6-1.6)	1.2 (1.1-1.3)	1.8 (1.5-2.0)	1.2 (1.2-1.3)
6-7	4.5 (4.5-4.5)	4.9 (4.8-5.1)	5.4 (4.9-5.8)	5.7 (5.3-6.1)	4.4 (4.2-4.5)	4.5 (4.4-4.5)	4.3 (4.2-4.4)	6.6 (6.1-7.1)	4.0 (3.9-4.2)
8-9	3.2 (3.2-3.2)	3.1 (3.0-3.3)	1.6 (1.4-1.9)	2.5 (2.2-2.8)	2.8 (2.7-3.0)	3.5 (3.4-3.5)	2.9 (2.8-3.0)	0.8 (0.6-1.0)	2.8 (2.6-2.9)
10-11	1.7 (1.6-1.7)	1.4 (1.3-1.5)	2.9 (2.6-3.3)	1.7 (1.4-1.9)	1.3 (1.2-1.4)	1.7 (1.7-1.8)	1.7 (1.6-1.8)	4.0 (3.5-4.4)	1.3 (1.2-1.5)
12-13	0.8 (0.8-0.9)	0.7 (0.6-0.8)	1.1 (0.8-1.3)	0.8 (0.7-1.0)	0.9 (0.8-0.9)	0.9 (0.9-0.9)	0.8 (0.7-0.8)	0.7 (0.5-0.9)	0.5 (0.4-0.5)
14-15	0.5 (0.5-0.5)	0.6 (0.5-0.7)	0.2 (0.1-0.3)	0.7 (0.5-0.9)	0.5 (0.5-0.6)	0.5 (0.4-0.5)	0.8 (0.7-0.9)	0.6 (0.4-0.8)	0.5 (0.4-0.6)
16-17	0.3 (0.3-0.3)	0.2 (0.1-0.2)	0.3 (0.2-0.6)	0.4 (0.3-0.6)	0.4 (0.3-0.5)	0.3 (0.3-0.3)	0.2 (0.2-0.3)	0.2 (0.1-0.5)	0.2 (0.1-0.2)
<i>Girls</i>									
2-3	0.4 (0.4-0.5)	0.4 (0.4-0.5)	0.4 (0.3-0.6)	0.5 (0.3-0.6)	0.4 (0.4-0.5)	0.5 (0.5-0.5)	0.2 (0.2-0.3)	0.3 (0.2-0.5)	0.4 (0.4-0.5)
4-5	1.2 (1.2-1.3)	1.3 (1.2-1.4)	1.0 (0.8-1.2)	1.5 (1.3-1.7)	1.3 (1.2-1.4)	1.3 (1.3-1.3)	0.9 (0.9-1.0)	1.5 (1.3-1.7)	0.9 (0.9-1.0)
6-7	3.5 (3.4-3.5)	3.6 (3.5-3.7)	3.7 (3.3-4.1)	4.2 (3.9-4.6)	3.4 (3.3-3.5)	3.5 (3.4-3.5)	3.3 (3.2-3.5)	4.7 (4.3-5.1)	3.2 (3.0-3.3)
8-9	2.2 (2.2-2.2)	2.1 (2.0-2.2)	1.3 (1.1-1.6)	2.0 (1.8-2.3)	2.0 (1.9-2.1)	2.4 (2.3-2.4)	2.1 (2.0-2.2)	0.8 (0.6-1.0)	1.9 (1.8-2.1)
10-11	1.0 (0.9-1.0)	0.8 (0.8-0.9)	1.5 (1.2-1.8)	0.9 (0.8-1.1)	0.8 (0.7-0.8)	1.0 (1.0-1.0)	0.9 (0.9-1.0)	2.5 (2.2-2.9)	0.8 (0.7-0.9)
12-13	0.6 (0.6-0.6)	0.5 (0.4-0.5)	0.7 (0.5-1.0)	0.6 (0.5-0.7)	0.6 (0.6-0.7)	0.6 (0.6-0.7)	0.5 (0.5-0.6)	0.5 (0.4-0.7)	0.3 (0.3-0.4)
14-15	0.4 (0.4-0.4)	0.5 (0.4-0.5)	0.4 (0.2-0.6)	0.6 (0.4-0.7)	0.4 (0.4-0.5)	0.4 (0.4-0.4)	0.6 (0.5-0.6)	0.3 (0.2-0.5)	0.3 (0.2-0.4)
16-17	0.4 (0.4-0.4)	0.3 (0.2-0.3)	0.3 (0.1-0.6)	0.7 (0.5-0.9)	0.6 (0.5-0.7)	0.5 (0.4-0.5)	0.3 (0.3-0.4)	0.4 (0.2-0.8)	0.2 (0.1-0.3)

Table 7 of the supplementary data: Incidence rate (number of new cases/100 person-year) of overweight/obesity and sex, age, and region

Age (y)	Regions (N° new cases / 100 person-years)								
	Overall (95%CI)	Aragon (95%CI)	Asturias (95%CI)	Cantabria (95%CI)	Castille and Leon (95%CI)	Catalonia (95%CI)	Madrid (95%CI)	Murcia (95%CI)	Navarre (95%CI)
<i>Boys</i>									
2-3	1.8 (1.7-1.8)	1.8 (1.7-1.9)	1.9 (1.6-2.2)	2.2 (2.0-2.5)	1.8 (1.7-1.9)	1.8 (1.8-1.9)	0.8 (0.8-0.9)	1.0 (0.8-1.2)	2.1 (2.0-2.2)
4-5	4.0 (4.0-4.1)	4.5 (4.3-4.6)	3.6 (3.2-3.9)	4.7 (4.3-5.0)	4.2 (4.1-4.3)	4.2 (4.1-4.2)	2.9 (2.8-3.0)	4.7 (4.3-5.1)	3.4 (3.3-3.5)
6-7	11.4 (11.3-11.4)	13.1 (12.8-13.4)	13.6 (12.8-14.5)	15.8 (15.0-16.5)	11.9 (11.7-12.2)	10.9 (10.8-11.0)	10.8 (10.5-11.0)	15.0 (14.2-15.8)	11.1 (10.8-11.4)
8-9	6.7 (6.6-6.8)	7.1 (6.9-7.3)	3.1 (2.7-3.6)	5.8 (5.3-6.4)	6.3 (6.1-6.5)	7.0 (6.9-7.1)	6.1 (5.9-6.3)	1.0 (0.8-1.3)	6.5 (6.3-6.8)
10-11	4.5 (4.4-4.6)	4.2 (4.1-4.4)	8.0 (7.2-8.8)	4.4 (3.9-4.9)	3.7 (3.5-3.8)	4.5 (4.4-4.6)	4.6 (4.5-4.8)	10.4 (9.5-11.3)	4.5 (4.3-4.8)
12-13	2.7 (2.6-2.7)	2.4 (2.2-2.5)	3.7 (3.1-4.3)	2.7 (2.4-3.1)	2.8 (2.7-3.0)	2.8 (2.7-2.9)	2.7 (2.6-2.9)	2.0 (1.6-2.5)	1.5 (1.4-1.7)
14-15	1.7 (1.6-1.7)	2.2 (2.0-2.3)	0.5 (0.3-0.9)	2.3 (2.0-2.8)	1.5 (1.3-1.6)	1.4 (1.4-1.5)	2.7 (2.6-2.9)	1.5 (1.1-2.0)	1.6 (1.4-1.8)
16-17	0.6 (0.5-0.6)	0.4 (0.3-0.5)	0.8 (0.4-1.4)	0.6 (0.4-0.9)	0.7 (0.6-0.8)	0.7 (0.6-0.7)	0.4 (0.3-0.4)	0.3 (0.1-0.8)	0.3 (0.2-0.3)
<i>Girls</i>									
2-3	1.7 (1.6-1.7)	1.6 (1.5-1.7)	2.0 (1.7-2.3)	2.4 (2.1-2.6)	1.8 (1.7-1.9)	1.7 (1.7-1.8)	0.8 (0.7-0.9)	0.9 (0.7-1.2)	2.0 (1.9-2.2)
4-5	3.5 (3.4-3.5)	4.0 (3.8-4.1)	2.8 (2.5-3.1)	4.0 (3.7-4.3)	3.5 (3.4-3.7)	3.6 (3.6-3.7)	2.6 (2.5-2.6)	3.8 (3.4-4.2)	2.8 (2.6-2.9)
6-7	10.7 (10.6-10.7)	11.9 (11.6-12.1)	13.2 (12.4-14.1)	14.2 (13.5-14.9)	10.9 (10.7-11.2)	10.3 (10.3-10.4)	10.2 (10.0-10.4)	13.1 (12.4-13.9)	10.6 (10.3-10.9)
8-9	6.4 (6.3-6.4)	6.6 (6.4-6.8)	3.2 (2.7-3.6)	5.6 (5.1-6.1)	6.0 (5.8-6.2)	6.6 (6.5-6.7)	5.9 (5.7-6.1)	1.3 (1.0-1.6)	6.5 (6.3-6.8)
10-11	3.2 (3.2-3.3)	2.9 (2.7-3.0)	6.3 (5.6-7.0)	3.3 (3.0-3.8)	2.6 (2.5-2.8)	3.2 (3.2-3.3)	3.4 (3.3-3.6)	7.5 (6.8-8.3)	3.0 (2.8-3.2)
12-13	2.0 (2.0-2.0)	1.7 (1.6-1.8)	3.0 (2.5-3.6)	1.9 (1.6-2.2)	2.3 (2.2-2.5)	2.1 (2.1-2.2)	1.8 (1.7-2.0)	1.4 (1.0-1.8)	1.0 (0.9-1.2)
14-15	1.6 (1.6-1.6)	1.8 (1.6-1.9)	0.7 (0.4-1.1)	2.4 (2.1-2.9)	1.5 (1.4-1.7)	1.4 (1.4-1.5)	2.5 (2.3-2.6)	1.2 (0.8-1.6)	1.4 (1.3-1.6)
16-17	1.0 (1.0-1.1)	0.4 (0.4-0.5)	0.8 (0.5-1.4)	1.0 (0.7-1.3)	1.1 (0.9-1.2)	1.3 (1.2-1.3)	0.7 (0.6-0.8)	1.2 (0.7-1.8)	0.3 (0.2-0.4)

Table 8 of the supplementary data. Incidence rate (number of new cases/100 person-years) of overweight/obesity and obesity by sex and age by incidence periods

Age (y)	Overweight/obesity (No. new cases/100 person-years)		Obesity (No. new cases/100 person-years)	
	First period	Second period	First period	Second period
	01/2005-06/2011 (95%CI)	07/2011-12/2017 (95%CI)	01/2005-06/2011 (95%CI)	07/2011-12/2017 (95%CI)
<i>Boys</i>				
2-3	2.07 (2.02-2.13)	1.55 (1.51-1.59)	0.53 (0.50-0.55)	0.43 (0.41-0.45)
4-5	4.04 (3.98-4.11)	2.98 (2.93-3.03)	1.40 (1.36-1.44)	1.10 (1.08-1.13)
6-7	11.67 (11.53-11.81)	9.85 (9.75-9.95)	3.79 (3.72-3.87)	3.20 (3.15-3.25)
8-9	7.08 (6.95-7.21)	5.97 (5.88-6.06)	2.50 (2.43-2.56)	2.11 (2.06-2.15)
10-11	3.79 (3.69-3.90)	2.68 (2.61-2.74)	1.15 (1.10-1.19)	0.87 (0.84-0.90)
12-13	1.98 (1.90-2.06)	1.96 (1.90-2.02)	0.68 (0.64-0.72)	0.64 (0.62-0.67)
14-15	2.14 (2.05-2.24)	1.82 (1.76-1.89)	0.66 (0.61-0.70)	0.55 (0.53-0.58)
16-17	2.17 (2.04-2.30)	1.57 (1.50-1.65)	0.95 (0.88-1.02)	0.69 (0.65-0.73)
<i>Girls</i>				
2-3	2.23 (2.17-2.28)	1.59 (1.55-1.63)	0.62 (0.59-0.65)	0.47 (0.45-0.49)
4-5	4.71 (4.63-4.78)	3.46 (3.40-3.51)	1.76 (1.71-1.80)	1.38 (1.35-1.41)
6-7	12.37 (12.23-12.52)	10.51 (10.41-10.61)	4.91 (4.84-4.99)	4.08 (4.03-4.14)
8-9	7.64 (7.51-7.78)	6.21 (6.12-6.30)	3.61 (3.53-3.69)	2.97 (2.92-3.03)
10-11	5.41 (5.28-5.53)	3.68 (3.60-3.75)	2.02 (1.95-2.08)	1.43 (1.39-1.47)
12-13	2.49 (2.40-2.59)	2.50 (2.43-2.56)	0.91 (0.86-0.96)	0.87 (0.84-0.90)
14-15	2.42 (2.32-2.53)	1.82 (1.75-1.88)	0.86 (0.81-0.92)	0.67 (0.64-0.71)
16-17	0.85 (0.77-0.95)	1.01 (0.95-1.08)	0.58 (0.52-0.64)	0.50 (0.46-0.53)

Table 9 of the supplementary data: Prevalence of overweight/obesity and obesity across different Spanish nationally-representative studies

Study year (age)	Overweight/obesity		Obesity	
	ALADINO	BIFAP/SIDIAP	ALADINO	BIFAP/SIDIAP
<i>Overall</i>				
2011 (6-9 y)	44.5%	37.8%	18.3%	15.9%
2015 (6-9 y)	41.3%	35.6%	18.1%	14.9%
	ESE	BIFAP/SIDIAP	ESE	BIFAP/SIDIAP
<i>Boys</i>				
2006 (5-9 y)	33.4%	26.4%	14.4%	8.7%
2011 (5-9 y)	34.0%	26.7%	15.1%	8.6%
<i>Girls</i>				
2006 (5-9 y)	37.2%	30.6%	14.5%	9.6%
2011 (5-9 y)	37.5%	30.5%	12.6%	9.6%

ALADINO, Estudio de Vigilancia del Crecimiento, Alimentación, Actividad Física, Desarrollo Infantil y Obesidad en España (The Spanish Growth, nutrition, physical activity, child development and obesity surveillance study); BIFAP, *Base de datos para la Investigación Farmacoepidemiológica en Atención Primaria* (Database for Pharmacoepidemiological Research in Primary Care); ESE, Encuesta de Salud de España (Spanish health survey); SIDIAP, the Information System for Research in Primary Care (SIDIAP).