Supplementary Tables and Figures

Table S1. Food items included in the short questionnaire, household measuring units to estimate quantities per time, sodium content per 100 g of food and maximum values set by National Act 26905.

Food product	Units	Sodium (mg/100 g)	Max. values: Sodium mg/100 g
Cheeses			
Soft and semi-soft cheeses such as Brie or Port Salut	[slices, 1 slice=60g]	443	_
Medium-hard cheeses such as Gouda, Mar del Plata, Edam	[slices, 1 slice=60g]	624	_
Hard cheeses or "grating cheeses" such as Parmesan or Reggianito	SP (10 g)*	804	-
Cheese without added salt	SP (60 g)*	55.3	-
Meats	_		
Vienna sausage	[units, 1 unit=40 g]	978	1196
Chorizo or chorizo-sausage, fresh sausage	[units, 1 unit=90 g]	1041	950
Other cold cuts as ham salami bologna and other sliced cold cuts	[slices, 1 slice=20 g]	833	1196
Pre-processed hamburgers	[units, 1 unit=90 g]	72 0	850
Frozen pre-cooked breaded chicken nuggets or fish	[medallions,	515	736
•	1 medallion=82 g]	010	750
Canned fish	SP (60 g)*	346	-
Dought			
"Empanadas" (individual pies) , puff pastry	[units, 1 unit=30 g]	619	-
Quiches/pies (any filling), puff pastry	[servings, 1 serving=50 g]	625	-
Pizza	[servings, 1 serving=60 g]	505	-
Breads, Crackers and Cookies	r# : ## 1 11 \ 1		
French bread or whole-wheat bread	["mignones"(bread rolls), 1 mignon=40 g]	800	-
Sliced or sandwich bread, white or whole-wheat	[slices, 1 slice=25 g]	494	530/501
Hamburger or hot dog buns	[units, 1 unit=50 g]	474	530
	["mignones" (bread rolls), 1		
Bread without added salt	mignon=40 g]	10	-
White or whole wheat crackers	[units, 1 unit=6 g]	629	941
Crackers without added salt made with white or whole flour	[units, 1 unit=6 g]		-
Cookies	[units, 1 unit=7 g]	283	512
Filled/Sandwich cookies such as Oreo®	[units, 1 unit=13 g]	251	429
Danish/croissants and other baked/fried sweet dough as churros	[units, 1 unit=35 g]	55	-
Biscuits or savory bizcochos	[units, 1 unit=11 g]	747	530
Cakes, pies, muffins, cupcakes	[servings or slices, 1	280	
Cakes, pies, mannis, cupeakes	serving=40 g]	200	
Alfajor	[units, 1 unit=50 g]	100	-
Other products			
Margarines	[teaspoons, 1 teaspoon=5 g]	435	-
Butter, salted	[indiv. pack/teaspoons, 1	160	_
	teaspoon=5 g]	7 (0	0.50
Salted snacks (such as salted sticks, cheese puffs, chips)	[cups, 1 cup=25 g]	768	950
Salted peanuts	[cups, 1 cup=100 g]	1451	950
Sauces, ready-to-use (such as Italian or Spaghetti sauce)	SP (50 g)*	389	-
Canned vegetables and/or legumes (such as corn, garden salad, lentils)	SP (100 g)*	212	-
Bouillon cubes or powder	SP (quantity to prepare one serving of 200 ml)*	352	430
Instant soups	[individual pouches, cups or bowls, 1 cup =235 ml]	239	352
Mayonnaise, mustard, ketchup, etc	SP (12 g)*	916	_
Wayoffialse, filustaru, ketchup, etc	01 (12 g)	710	· · · · · · · · · · · · · · · · · · ·

^{*}Quantities of these items were based on standardized portions (SP)

Table S2. Sodium content in food products/100g of food: Source of data

Food products	Source	Observations
French bread or whole-wheat bread , [bread rolls]	Ferrante et al 2011[2]	Direct Analysis French bread. Representative sample of bakeries from Argentina affiliated with the Argentinean Federation of Bakeries.
Cheeses, Meat Products (Vienna sausage, Chorizo or chorizo-sausage sausage, Other cold cuts as ham, salami, bologna and other sliced cold cuts, Pre-processed hamburgers, Frozen pre-cooked breaded chicken, nuggets). Canned fish. Canned vegetables. Bouillon cubes or powder, Instant soups. Empanadas/pies/quiches (puff pastry), Pizza Margarines, Butter (salted). Salted snacks, Salted peanuts. Sauces (ready-to-use). Alfajores. Cakes, pies, muffins, cupcakes.	Allemandi et al 2013[3]; Allemandi et al 2015[1]	Indirect Data (Labeling or food industry web site) Sample based on market share (main brands were included) in one supermarket.
Sliced or sandwich bread, white or whole-wheat, Hamburger or hot dog buns, Bread without added salt, White or whole wheat crackers, Cookies, Filled/Sandwich cookies such as Oreo®, Crackers without added salt, made with white or whole flour, Biscuits or savory bizcochos	Elorriaga et al 2013[4]	Indirect Data (Labeling) Packaged breads, crackers, cookies. Any brand products available in 6 stores in Bariloche and Marcos Paz (2 supermarkets, two markets and two grocery stores).
Danish/croissants and other baked/fried sweet dough as churros	SARA Software[5]	Direct Analysis. (INFOODS Methodology) Food codes A14, A15, A16

Table S3. Weighted linear regression models of sodium intake from food products.

	Sodium intake from food products(md/day)12				
	Coefficient (95%CI)	P value			
Male	439.1 (304.8; 573.5)	<0.001			
Age (≥55y)	-94.9 (-223.8; 334.0)	0.149			
Education Level, >8y	-191.7 (-327.5; -55.8)	0.006			

^{95%} CI: 95% confidence interval.

Table S4. Reported weighted frequency of consumption of separated food items included in the short questionnaire during the last 12 months

Food items	Every day, once or more times (%)	2-6 times a week (%)	Once a week (%)	Less than once a week (%)	Never or less than once a month (%)
Soups, dressings, canned foods and other conver	nience foods				
Bouillon cubes or powder	8.9	21	16.3	19.9	33.9
Instant soups	9.1	7.0	9.6	20.9	53.4
Empanadas (meat pies)	0.1	13.9	32.4	46.2	7.4
Quiches (any filling such as vegetables, ham and cheese, poultry, etc)	1	20.0	24.7	36.8	17.5
Pizza	0.1	9.1	38.2	45.7	6.9
Canned vegetables/legumes	0.5	20.8	20.7	19.4	38.6
Canned Fish	0.0	7.9	22.7	39.9	29.5
Sauces, ready-to-use	0.2	18.5	18.7	15.5	47.1
Mayonnaise, mustard, kétchup, etc.	1.0	12.9	19.4	28.4	38.3
Bread, crackers, cookies					
French bread or whole wheat bread (from bakeries)	26.4	28.5	17.2	8.8	19.1
Sliced or sandwich bread	2.2	7.5	6.8	13.5	70
Bread, Vienna	0.3	2.4	5.7	9.6	82
Bread, any type without added salt	5.5	4.1	3.9	6.3	80.2
White or whole wheat crackers	21.3	11.8	8.1	14.6	44.2
White or whole wheat crackers, without added salt	16.6	7.3	5.4	12.2	58.5
Cookies	6	13.7	11.3	26.3	42.7
Filled/sandwich cookies such as Oreo	4.6	12.8	10.5	24.9	47.2
Meats Products					
Vienna sausage	0.0	6.3	13.7	30.8	49.2
Chorizo/Chorizo sausage /Argentinean sausage	0.1	1.7	19.8	48.2	30.2
Other cold cuts (such as ham, salami, bologna, etc.)	0.9	22	19.7	38.3	19.1
Pre-processed hamburgers	0.0	8.2	13.4	25.4	53
Frozen pre-cooked breaded chicken, nuggets or fish	0.2	11.7	12.8	12.8	62.5
Cheeses					

 $^{^{1}\}mbox{Values}$ are expressed in mg of sodium per day; to calculate grams of salt, multiply mg of sodium by 0.0025

² Models included age, sex, level of education

Soft cheeses (not including pizza, pies and cakes)	4.8	29.9	23.8	29.2	12.3
Semi-hard cheeses	1.7	23.8	22	32.3	20.2
Hard cheese (grated cheese type), alone or as part of another dish *	1.6	30.2	23.9	30.1	14.2
Without added salt	16.1	6.5	5.4	13.7	58.3
Pastry, other bakery products, sweets					
Danish/croissants and other "Argentine facturas"	1.7	12.2	22.4	37.9	25.8
Biscuits or savory bizcochos	3.7	11.1	9.1	19.4	56.7
Cakes, pies, muffins, etc	0.3	1.7	9	41.1	47.9
Alfajores	1.4	3.5	5.9	15.2	74
Other					
Margarine	1.0	2.2	3.8	6	87
Butter	4.9	20.8	18.3	10.5	45.5
Salted snacks	0.0	1	7.2	24.8	67.0
Salted peanuts	0.0	0.7	6	24.2	69.1

Table S5.1 Main dietary sources of sodium among women by age group

	Age									
	< 55	y (n=7		≥55 year	586)					
	Sodium consumed	-		Sodium consumed						
Food products	per person	0/	D1-!	per person	0/	D 1 - !				
	mg/day	%	Ranking	mg/day	%	Ranking				
Sodium from food products	Mean (SE)		0	Mean (SE)						
Sodium from food products	1675 (50)	10.2	-	1604 (52)	22.6	1				
Bouillon cubes, powder/ Instant soups	322 (16)	19.2	1	363 (19)	22.6	1				
Meat products	310 (14)	18.5	2	249 (12)	15.6	2				
Traditional Bread (from bakery)	268 (15)	16	3	236 (18)	14.7	4				
Cheeses	252 (11)	15.1	4	247 (12)	15.4	3				
Empanada/Pie, puff pastry	148 (6)	8.8	5	153 (7)	9.5	5				
Pizza	74 (3)	4.4	6	69 (3)	4.3	6				
Crackers	57 (4)	3.4	7	57 (4)	3.5	7				
Canned foods, (vegetables/fish)	49 (2)	2.9	8	56 (4)	3.5	8				
Peanuts, salty	33 (2)	2	9	26 (3)	1.6	10				
Sliced or sandwich bread	27 (3)	1.6	10	29 (3)	1.8	9				
Cookies	26 (2)	1.5	11	18 (1)	1.1	12				
Sauces, ready- to-use	24 (1)	1.4	12	22 (1)	1.4	11				
Biscuits or savory bizcochos	18 (1)	1.1	13	16 (1)	1	13				
Pastry and other	16 (1)	0.9	14	13 (1)	0.8	14				
Seasonings	12 (1)	0.7	15	8 (1)	0.5	16				
Bread, (Vienna, Hamb./ hot dog bun)	12 (1)	0.7	16	13 (2)	0.8	15				

Table S5.2 Main dietary sources of sodium among men by age group

		Age							
	< 55	y (n=4	106)	≥55 year	s (n=4	13)			
Food products	Sodium consumed per person			Sodium consumed per person					
•	mg/day	%	Ranking	mg/day	%	Ranking			
	Mean (SE)			Mean (SE)					
Sodium from food products	2104 (76)		0	2085 (77)					
Meat products	427 (22)	20.3	1	378 (20)	18.1	2			
Traditional Bread (from bakery)	425 (27)	20.2	2	423 (29)	20.3	1			
Cheeses	318 (18)	15.1	3	301 (17)	14.5	4			
Bouillon cubes, powder/ Instant soups	290 (21)	13.8	4	367 (22)	17.6	3			
Empanada/Pie, puff pastry	197 (10)	9.3	5	194 (10)	9.3	5			
Pizza	105 (5)	5	6	94 (5)	4.5	6			
Crackers	55 (5)	2.6	7	60 (5)	2.9	7			
Canned foods, (vegetables/fish)	51 (3)	2.4	8	56 (3)	2.7	8			
Peanuts, salty	47 (4)	2.2	9	35 (3)	1.7	9			
Cookies	35 (3)	1.6	10	27 (3)	1.3	11			
Sliced or sandwich bread	29 (4)	1.4	11	32 (4)	1.6	10			
Biscuits or savory bizcochos	26 (2)	1.3	12	20 (2)	1	13			
Sauces, ready- to-use	24 (2)	1.1	13	26 (2)	1.2	12			
Pastry and other	18 (1)	0.9	14	16 (1)	0.8	14			
Seasonings	17 (1)	0.8	15	12 (1)	0.6	16			
Bread, (Vienna, Hamb./ hot dog bun)	15 (2)	0.7	16	16 (3)	0.8	15			

 Table S5.3 Main dietary sources of sodium among women by level of education

				Educati	ion				
	< 8years	< 8years (n=684)			8-12 years (n 434)				
Food products	Sodium consumed per person mg/day Mean (SE)	d %	Ranking	Sodium consumed per person mg/day Mean (SE)	d %	Ranking	Sodium consumed per person mg/day Mean (SE)	%	Ranking
Sodium from food products	1792 (57)		_	1578 (64)			1492 (77)		
Bouillon cubes, powder/ Instant soups	397 (22)	22.2	1	285 (18)	18.1	2	296 (29)	19.8	2
Meat products	311 (13)	17.3	2	304 (19)	19.3	1	220 (21)	14.8	3
Traditional Bread (from bakery)	296 (21)	16.5	3	243 (18)	15.4	4	203 (22)	13.6	4
Chesses	235 (11)	13.1	4	245 (15)	15.5	3	299 (25)	20.0	1
Empanada/Pie, puff pastry	161 (7)	9	5	146 (8)	9.3	5	132 (12)	8.9	5
Pizza	74 (3)	4.1	6	74 (4)	4.7	6	68 (4)	4.5	6
Crackers	61 (5)	3.4	7	54 (5)	3.4	7	54 (7)	3.6	7
Canned foods, (vegetables/fish)	56 (2)	3.1	8	47 (2)	3	8	50 (7)	3.3	8
Peanuts, salty	31 (3)	1.7	9	34 (3)	2.1	9	25 (4)	1.7	10
Sliced or sandwich bread	29 (3)	1.6	10	22 (3)	1.4	11	35 (8)	2.4	9
Cookies	27 (2)	1.5	11	21 (2)	1.3	12	19 (4)	1.3	11
Sauces, ready- to-use	26 (2)	1.5	12	23 (2)	1.5	10	17 (2)	1.1	12
Biscuits or savory bizcochos	20 (2)	1.1	13	15 (1)	1.0	14	15 (3)	1.0	14
Bread, (Vienna, Hamburguer or hot dog bun)	15 (2)	0.8	14	12 (2)	0.8	15	8 (2)	0.5	16
Pastry and other	14 (1)	0.8	15	16 (1)	1.0	13	13 (1)	0.9	15
Seasonings	9 (1)	0.8	16	11 (1)	0.6	16	15 (2)	0.7	13

 Table S5.4 Main dietary sources of sodium among men by level of education

				Educat	ion				
	< 8years	(n 465)	j.	8-12 years	(n 243)		>12 years (<i>n</i> 111)		
Food products	Sodium consumed per person mg/day % Mean (SE)		Ranking	Sodium consume per person mg/day Mean (SE)	d % Rankir		Sodium consumed per person mg/day Mean (SE)	%	Ranking
Sodium from food products	2147 (79)		-	2138 (107)			1912 (123)		
Traditional Bread (from bakery)	426 (26)	19.9	1	450 (39)	21	1	375 (51)	19.6	1
Meat products	414 (21)	19.3	2	439 (32)	20.6	2	357 (37)	18.7	2
Bouillon cubes, powder/ Instant soups	385 (27)	17.9	3	260 (22)	12.2	4	247 (28)	12.9	4
Cheeses	282 (15)	13.1	4	346 (28)	16.2	3	326 (30)	17.1	3
Empanada/Pie, puff pastry	201 (11)	9.3	5	196 (13)	9.1	5	184 (17)	9.6	5
Pizza	97 (5)	4.5	6	104 (8)	4.9	6	109 (9)	5.7	6
Canned foods, (vegetables/fish)	59 (3)	2.7	7	48 (3)	2.2	8	48 (5)	2.5	8
Crackers	57 (5)	2.6	8	56 (7)	2.6	7	58 (10)	3	7
Peanuts, salty	42 (3)	1.9	9	44 (5)	2.1	9	43 (7)	2.3	9
Cookies	32 (3)	1.5	10	33 (4)	1.5	10	32 (6)	1.7	10
Sliced or sandwich bread	29 (4)	1.4	11	31 (5)	1.5	11	30 (8)	1.6	11
Sauces, ready- to-use	27 (2)	1.3	12	24 (2)	1.1	13	18 (3)	1	13
Biscuits or savory bizcochos	25 (2)	1.2	13	28 (4)	1.3	12	17 (3)	0.9	14
Bread, (Vienna, Hamb./hot dog bun)	17 (3)	0.8	14	15 (3)	0.7	16	9 (2)	0.5	16
Pastry and other	15 (1)	0.7	15	21 (2)	1	14	16 (2)	0.8	15
Seasonings	12 (1)	0.5	16	18 (2)	0.8	15	22 (3)	1.1	12

Figure S1. Sources of sodium from food products considering the inclusion in the National Act 26905, by sex and level of education

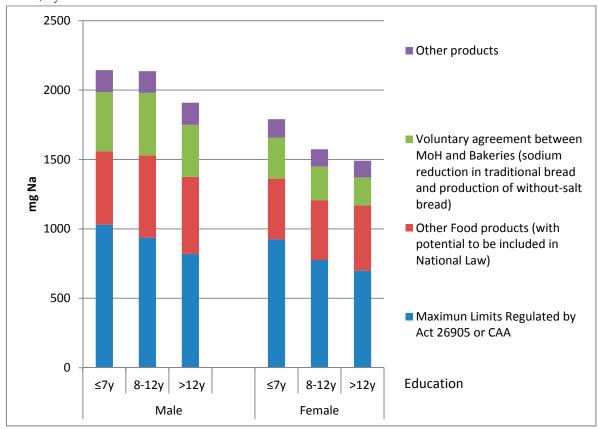


Table S6. Multiple-adjusted odds ratios of adding salt associated with demographic characteristics in adults aged 35-74y, Bariloche and Marcos Paz, Argentina, n=3026.^a

	Ac	lding salt in coo	oking ^b	Addi	Adding salt at the table ^b			
	OR	(95%CI)	P value	OR	(95%CI)	P value		
Male	0.96	(0.78 - 1.20)	0.735	1.38	(1.09 -1.73)	0.007		
Age (>55y)	0.66	(0.59 - 0.73)	< 0.001	0.67	(0.53 - 0.85)	0.001		
Education Level								
≥8 y	0.90	(0.72 - 1.13)	0.363	0.99	(0.78 - 1.26)	0.940		

OR: Odds Ratio; (95%CI): 95% Confidence Interval

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 Programa informático para análisis de encuestas alimentarias sara.
 http://msal.gov.ar/htm/Site/ennys/site/sara.asp

^a Model included age, sex, level of education and city.

^b Often /always.