







		ID.	ENTIFICATION DATA			
Paste identificati	ion tag					
			CODE:	DATE:	GROUP: .	
NAME:			LAST NAME(S):			
ADDRESS:			ZIP CODE:	TOWN/ CITY:	S7	ATE:
PHONE:		DATE	OF BIRTH:	CURRENT AGE:		□ FEMALE
COUNTRY OF BIRTH	H:		ETHNICITY:		INTERVIEWER:	
EXCLUSION CRITI	ERIA					
					Indicate whether any o	f the criteria are met:
1- Do you currently liv	ve in a hospita	al, nursing home or	r assisted living center?			
1□ yes	2 □ NO	9□ ns, nc*			□ EXCLUDED	
2- Are you pregnant?	1					
1□ YES	2□ NO	9 □ ns, nc			□ EXCLUDED	
3- Have you had a ch	ild in the last	6 months?				
1 □ YES	2□ NO	9□ ns, nc			□ EXCLUDED	
4- Have you undergo	ne any major	surgery in the last	month?			
1 □ YES	2□ NO	9□ ns, nc			□ EXCLUDED	
5- Have you suffered	any serious i	llnesses not related	d to diabetes in the last 6 mc	nths?		
1□ YES	2□ NO				□ EXCLUDED	

*ns, nc: does not know; does not answer

If excluded, go to page 4: Known diabetes, hypertension and cardiovascular disease

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SOCIAL STATUS

6- Civil status	7- What is your highest level of studies attained?		8- Do you h	nave a job?				
1□ Single	1□ Cannot read/write	1□ YES	2□ NO	9□ ns / nc				
2□ Married OR domestic	2 ☐ No formal schooling	9- If you do not work, what is the						
partnership	3 ☐ Primary education (up to 12 years)		reason?					
3□ Widowed	4□ Secondary education (16 years)		1□ Retired					
4□ Divorced	5☐ Bachelor, technical training (18 years)		2□ Unempl	oyed				
9□ ns / nc	6□ University first cycle studies (associate's degree	program)	3 □ Sick lea	ave				
	7□ University second cycle studies (undergraduate	degree program,	4□ Student					
	engineering, medicine)		5□ Housewife					
	9□ ns / nc		9□ ns/nc					
	ation or what was your main occupation for the major							
·	vate companies with 10 or more employees.	4 ☐ Skilled manual workers.						
2□ Directors of companies wi	with university second cycle or postgraduate studies. th fewer than 10 employees	5 □ Semi-skilled manual workers.6 □ Unskilled workers.						
•	with university first cycle studies.	7 ☐ Other (clergy, military,).						
3□ Administrative employees	, management and support personnel.							
Workers in personal serv	rices and security.							
Free-lance workers.								
Supervisors of manual w	orkers.							









SMOKING HABITS

PHYSICAL ACTIVITY

11- Do you smoke?	19- How many hours do you usually sleep? hours / day
1□ Yes 2□ No 9□ns/nc	
12- How many cigarettes do you smoke?/day	20- Which of these options best describes your main activity during the day,
	while at work, school, or home?
13- At what age did you start smoking?	1 ☐ Sitting most of the day
14- Have you changed your smoking habits in the last 6 months? 1□ Yes, I smoke more 3□ Yes, I smoke less 2□ NO 9□ns / nc	 2 □ Standing most of the day without significant movement and/or effort 3 □ Walking, carrying some weight, or making frequent trips that do not require great physical effort 4 □ Performing tasks that require a great amount of physical effort
IF NOT CURRENTLY A SMOKER	21- In your free time, do you usually perform heavy physical exercise at least
15- Have you ever smoked more than 1 cig./day at some point	once a week?
during your life?	1□Yes 2□No 9□ns /nc
1□Yes 2□No 9 □ns/nc	If the answer is yes:
16- How much did you use to smoke?	22- How many days a week?days
17- At what age did you quit smoking?	23- On the days that you exercise, for how long do you exercise? hours
18- At what age did you start smoking?	24- What kind of exercise do you do?



25 - Have you ever been told by a doctor that you had diabetes? (sugar in blood)





33- Do you take any pills for diabetes?



HISTORY OF DIABETES

1□Yes 2□No 9□ns/nc	1□Yes 2□No 9 ^í □ns/nc
26- If yes, how old were you at the time of diagnosis?years old	34- If yes, for how long have you been taking them?years
	35- Are you injecting insulin?
27- Do any of your relatives (parents, siblings, children, or grandparents) have	1□Yes 2□No 9□ns/nc
diabetes?	36- If yes, for how long have you been injecting insulin?
1□Yes 2□No 9□ns/nc	years
Specify how many:	
28- Grandparents:	37- Have you ever been on a diet for your diabetes, as guided
29- Parents:	by your doctor?
30- Uncles and aunts:	1□Yes 2□No 9□ns/nc
31- Brothers and sisters:	38- If yes, for how long have you been following the diet?
32- Children:	years(If not following any diet for diabetes, mark 77.)
HISTORY OF ARTERIAL HYPERTENSION	
39- Have you ever been told by a doctor that you had high blood pressure? 1□Yes	s 2□ No 9□ ns/nc
40- If yes, how old were you when he/she told you that you had hypertension?	years old
41- Do you take any medication for hypertension? 1□Yes 2□ No 9□ n	s/nc
42- If yes, for how long have you been taking it?years	
43- Have you taken it in the last 24 hours? 1□ Yes 2□ No 9□ ns/nc	









CARDIOVASCULAR AND OTHER DISEASES

44- Have	you ever beei	i told by a doctor t	nat you had high cholesterol?	
1□`	∕es 2□No	9□ns/nc		
45- Have	you been told	by a doctor that y	ou have suffered a heart attack, ar	ngina or myocardial infarction?
1□`	∕es 2□No	9□ns/nc		
46- Have	you been told	by a doctor that y	ou have suffered a stroke, cerebra	l hemorrhage or cerebral palsy?
1□`	∕es 2□No	9□ns/nc		
47- Have	you ever beei	n told by a doctor t	hat you have peripheral vascular c	disease (foot ulcers)?
1□`	∕es 2□No	9□ns/nc		
48- Have	you been told	by a doctor that y	ou suffer from a chronic disease (l	bronchitis, asthma, rheumatism, tumors etc)?
1□`	∕es 2□No	9□ns/nc	49-If you answered yes t	o any of the above questions, explain:
Drugs	hat you regul	arly take, including	ı vitamins, analgesics,	
tranqui	lizers, etc. (Not including herb	al products)	
50				55
51				56
52				57
53				58
54				59









GYNECOLOGICAL HISTORY

60- How many childbirths have you had? Weights of children at birth:kg,kg,kg,kg,kg,kg,kg,kg
61- Were any of your pregnancies interrupted? If so, how many?
62- Had your doctor ever told you that you had gestational diabetes?
1□Yes 2□No 9□ns/nc 63- If yes, in how many pregnancies?
64- How old were you when you had your first menstrual period? years old
65- Do you use hormonal contraceptives? (Oral or patch)
1□ Yes 2□No 9□ns/nc If yes, which one do you use?
66- If yes, for how long have you been taking them (regardless of how many times the composition may have been changed)? years
67- What was the date of your last menstrual period?
68- If you have had amenorrhea (lack of menstrual period) for 6 months or longer, what was the cause?
1□Natural 2□Surgical □ns/nc
69- Are you on treatment for menopause?
1□ Yes 2□ No 9□ns/nc 70- If yes, specify:
71- If yes, for how long have you been on this treatment (regardless of how many times the composition may have been changed)? years

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WEIGHT CHANGES

ANTHROPOMETRICS AND BLOOD PRESSURE

72- Do you remember how much you weighed at age 18?	81- Weight : kg
73- Do you weigh more now than when you were 18?	82- Height:cm
1□Yes 2□ No, the same 3□No, less weight 9□ns/nc	83- Waist :cm
74- Have you lost weight in the past year? 1□Yes 2□No 9□ns/nc	84- Hip: cm
75- If yes, how many kg you have you lost?kg	85- Systolic blood pressure 1:mmHg
	86- Diastolic blood pressure 1:mmHg
76- Was this loss involuntary? 1□Yes 2□No 9□ns/nc	87- Systolic blood pressure 2:mmHg
	88- Diastolic blood pressure 2:mmHg
77- Have you gained weight in the past year? 1□Yes 2□No 9□ns/nc	
	If the values show a difference of >5 mmHg, a 3rd measurement will
78- If yes, how many kg did you gain? kg	be taken:
79- Would you like to?	89- Systolic blood pressure 3:mmHg
1□ Gain Weight 2□ Lose Weight 3□ Maintain the same weight	90- Diastolic blood pressure 3:mmHg
80- In your opinion you are: 1□ Thin 2□ Normal	91- If any measurement cannot be taken, indicate which and why:
3□ Overweight 4□ Obese 9□ns/nc	
OBSERVATIONS	<u> </u>

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DIETARY HABITS

92- Have you changed the amount you use to eat in the last 6 months? 1□ Yes, I eat more 3□ Yes, I eat less 2□ No, I eat the same 9□ ns/nc 93- Have you changed the type of food in your diet over the past 6 months? 1□ Yes 2□ No 9□ ns/nc	99- Do you use saccharin or any kind of non-caloric sweetener? 1 Yes 2 No 3 ns/nc 100- Specify
94- If yes, specify the change:	101- How many meals you usually have in a typical day? 1□ less than 3 3□ 4 or 5
95- If yes, was the change recommended by a doctor or dietitian? 1□ Yes 2□No 9□ns/nc	2□ 3 4□ more than 5
96- If you are on a diet, specify what kind of diet you are following:	102- Do you snack between meals?
	1□ Yes 2□ No 3□ Sometimes 9□ns/nc
97- How many times do you eat out per week? 1 □ daily 4 □ once per week	103- Do you eat while watching TV?
2 ☐ from 6 to 4 per week 3 ☐ from 3 to 2 per week 7 ☐ seldom 5 ☐ 3 to 2 times a month 6 ☐ once a month 7 ☐ seldom	1□ Yes 2□ No 3□ Sometimes 9□ns/nc
	104- What do you eat while watching TV?
98- Do you take any kind of vitamin supplement? 1 □ Yes 2 □ No 9 □ ns / nc, If yes, specify:	1□ Meals
	2□ Snacks
	3□ Both









In each row, mark the box that best describes how often each type of food is consumed:

		PER DAY					PER WEEK			PER M	IONTH	SELDOM OR
		5 times or more	4 times	3 times	2 times	1 time	4-6 times	2-3 times	1 time	2-3 times	1 time	NEVER
105-	Breakfast cereals											
106-	Whole grain breakfast cereals											
107-	White bread											
108-	Whole wheat bread											
109-	White rice, pasta or couscous											
110-	Brown rice or whole wheat pasta or couscous											
111-	Sugar, honey, candies, jams											
112-	Chocolate											
113-	Sweets, cakes, muffins, cookies, donuts											







			PER WEEK			PER M	IONTH	SELDOM OR				
		5 times or more	4 times	3 times	2 times	1 time	4 - 6 times	2 - 3 times	1 time	2 - 3 times	1 time	NEVER
114-	Eggs											
115-	Milk, yogurt, cheese											
116-	Milk shakes, flan, custard, ice cream											
117-	Cream, butter											
118-	Margarine											
119-	Mayonnaise											
120-	Homemade fried food											
121-	Precooked foods (fried / frozen)											
122-	Other precooked dishes (including pizza)											









In each row, mark the box that best describes how often each type of food is consumed:

		PER DAY				PER WEEK			PER MONTH		SELDOM OR NEVER
	5 times or more	4 times	3 times	2 times	1 time	4 - 6 times	2 - 3 times	1 time	2 - 3 times	1 time	
123- Salads (raw vegetables)											
124- Vegetable side*											
125- Vegetables in stew**											
126- Legumes											
127- Potato: stewed, boiled or fried at home (NO crisps).											
128- Fruits / natural juices											
129- Nuts and similar											
130- Appetizers: cheese puffs, corn snack food, popcorn etc.											
131- Fish / fresh seafood											
132- Canned fish / seafood											
133- Meat, pork, beef, chicken											
134- Cured, dry sausages, ham											

^{*}Side = vegetable(s) that is/are consumed as such, as a main dish or accompanying a 2nd course, but not used to prepare stews, sautees, etc.

^{**} Vegetables consumed with lentils, stews, stir-fries, etc., and of which only a small amount is used in each dish.









What kind of oil do you usually use? (Multiple answers may be marked for each item.)

	1- Olive oil	2- Linoleic sunflower	3- High oleic sunflower	4- Others
135- To season (salads, etc)				
136- To stew				
137- To fry				
138- To prepare mayonnaise				

ALCOHOLIC BEVERAGES

			PER DAY				PER WEEK		PER M	SELDOM	
	5 times or more	4 times	3 times	2 times	1 time	4 - 6 times	2 - 3 times	1 time	2 - 3 times	1 time	OR NEVER
139- Red Wine											
140- White wine, sparkling wine											
141- Rose wine											
142- Dessert wine											
143- Beer											
143b- Cider											
144- Distilled spirits											
145- When you drink alcoh 1□ With meals 2□ Without food/meals	3□ Both			1 🗆 🗈	·			□ occasionally □ never 9□ns/nc			
ZLI Without food/meals		9⊔ ns/r	IC		2 4	n weekend	15	41	⊒ never 9i	⊒HS/HC	









NON-ALCOHOLIC BEVERAGES

	PER DAY				PER WEEK			PER MONTH		SELDOM	
	5 times or more	4 times	3 times	2 times	1 time	4 - 6 times	2 - 3 times	1 time	2 - 3 times	1 time	OR NEVER
147- Beer without alcohol											
148- Beverages with added sugar											
149- Beverages with no added sugar (light or diet)											
150- Commercial juices											
151- Caffeinated soft drinks											
152- Espresso			-								
153- Brewed coffee											
154- Instant coffee											
155- Decaffeinated brewed coffee											
156- Decaffeinated instant coffee											
157- Tea (specify)											
158- Other infusions (specify)											

159- Is the person who normally prep	pares the co	onsumed	l foods/be	verages p	resent at t	he time of	the interv	iew? 1	□Yes	2□No	9□ns/n
INTERVIEWER'S NOTES: 160- Level of interest: 1 High 2 Average 3 Low											
161- Accuracy in answering: 1 ☐ Good 2 ☐ Fair 3 ☐ Poor											









QUALITY OF LIFE QUESTIONNAIRE (Questionnaire SF-12) (TRANSLATED FROM THE SPANISH VALIDATED VERSION)

The following questions refer to your perception of health and well-being. Your answers will enable us to know how capable you see yourself of performing routine activities. If you are not sure how to answer a question, choose the most appropriate answer from the options provided.

162- In general, you	would say that your	nealth is:					
1□ Exceller	t 2□ Very good	3□ Good	4□ Fair	5□ Poor			
Read to the subject: The following questions are about activities that you might do during a typical day. Does your health currently							
limit your capacity to perform these activities? If so, how much?							
163- Moderate activities, such as moving a table, pushing a vacuum cleaner or walking 1 hour							
1-□ YES, ve	ery limited 2- □ Y	ES, somewhat lim	ited	3-□ NO, not limited at all			
164- Climbing several flights of stairs.							
1-□ YES, ve	ery limited 2-□ YE	S, somewhat limi	ted	3-□ NO, not limited at all			
Read to the subject: During the past 4 weeks, have you had any of the following problems performing work or other regular							
daily activities, as a result of your physical health?							
165- Accomplished less than you would like. 1□Yes 2□No							
166- Limited in the kind of work or other activities performed. 1□Yes 2□No							









Read to the subject: During the past 4 weeks, have you had any of the following problems performing work or other regular						
daily activities, as a result of emotional problems (such as feeling depressed or anxious)?						
167- Accomplished less than you would like. 1□Yes 2□No						
168- Performed work or activities with less care than usual. 1□Yes 2□No						
169- During the past 4 weeks, did you have any pain? ☐ Yes ☐ No						
169.B During the past 4 weeks, how much did your pain interfere with your normal work (including work other than						
housework)?						
1□ Not at all 2□ A little bit 3□ Some 4□ Quite a bit 5□ A lot						
Read to the subject: These questions are about how you have been feeling during the past 4 weeks.						
For each question, please give the one answer that best reflects the way you have been feeling.						
How much of the time during the past 4 weeks						
170- Have you felt calm and peaceful?						
1□ All the time 2□ Most of the time 3□ A good bit of the time 4□ Some of the time 5□ A little of the time 6□ None of the time						
171- Did you have a lot of energy?						
1□ All the time 2□ Most of the time 3□ A good bit of the time 4□ Some of the time 5□ A little of the time 6□ None of the time						
172- Have you felt discouraged and/or upset?						
1□ All the time 2□ Most of the time 3□ A good bit of the time 4□ Some of the time 5□ A little of the time 6□ None of the time						
173- During the past 4 weeks, how much of your time has your physical health or emotional problems interfered with social						
activities (like visiting friends, relatives, etc.)?						
1□ All the time 2□ Most of the time 3□ A good bit of the time 4□ Some of the time 5□ A little of the time 6□ None of the time						









PHYSICAL ACTIVITY QUESTIONNAIRE (IPAQ)

Read to the subject: Now I'll ask you about the time you spent being physically active during the last 7 days. Please answer each question even if you consider yourself to be an inactive person. Think about the activities you do at work, around the house and in the yard, to get from place to place, and in your spare time, for recreation, exercise or sport.

Read the subject: Now, think about all the vigorous activities that you did during the last 7 days. Vigorous physical activities refer to activities that take hard physical effort and make you breathe much harder than normal. Think only about those physical activities that you did for at least 10 minutes at a time.

174- During the last 7 days, on how many days did you do vigorous physical activities?

___ Days per week [VDAY; Range: 0 - 7, 8,9]

8. Does not know / is not sure

Refuses to answer

Interviewer clarification: Think only about those physical activities that you do for at least 10 minutes. **Interviewer Note:** If respondent answers zero, refuses to answer or does not know, skip to question 176.









175- How much time did you usually spend doing vigorous physical activities on one of those days?					
Hours per day [VDHRS; Range: 0-16] Minutes per day [VDMIN; Range: 0-960, 998, 999] 998. Does not know / is not sure 999. Refuses to answer					
Interviewer clarification: Think only about those physical activities that you do for at least 10 minutes. Interviewer note: We are looking for an average amount of time per day. If the respondent cannot answer because the amount of time varies from day to day, ask: "How long did you spend total performing vigorous physical activities during the last 7 days?" Hours per week [VWHRS; Range: 0-112] Minutes per week [VWMIN; Range: 0-6720, 9998, 9999] 9998. Does not know / is not sure 9999. Refuses to answer					
Read the subject: Now think about all the moderate activities that you did in the last 7 days. Moderate activities refer to activities that take moderate physical effort and make you breathe somewhat harder than normal. Think only about those physical activities that you did for at least 10 minutes at a time.					
176- During the last 7 days, on how many days did you do moderate physical activities? Days per week [MDAY; Range: 0-7, 8, 9] 8. Does not know / is not sure 9. Refuses to answer					
Interviewer clarification: Think only about those physical activities that you do for at least 10 minutes. Interviewer Note: If respondent answers zero, refuses or does not know, skip to question 178.					







177- How much time did you usually spend doing moderate physical activities on one of those days?					
— — Hours per day [MDHRS; Range: 0-16] — — Minutes per day [MDMIN; Range: 0-960, 998, 999] 998. Does not know / is not sure 999. Refuses to answer					
Interviewer clarification: Think only about those physical activities that you do for at least 10 minutes. Interviewer note: An average amount of time per day on one of the days on which you did moderate physical activity is needed. If the respondent cannot answer because the amount of time varies from day to day, or includes time spent in different jobs, ask: "How much time did you devote to doing moderate physical activity during the last 7 days"? Hours per week [MWHRS; Range: 0-112] Minutes per week [MWMIN; Range: 0-6720, 9998, 9999] 9998. Does not know / is not sure 9999. Refuses to answer					
Read the subject: Now think about the time you spent walking in the last 7 days. This includes at work and at home, walking to travel from place to place, and any other walking that you have done solely for recreation, sport, exercise, or leisure.					
178- During the last 7 days, on how many days did you <u>walk</u> for at least 10 minutes at a time?					
Days per week [WDAY; Range: 0-7, 8, 9] 8. Does not know / is not sure 9. Refuses to answer					
Interviewer clarification: Think only about the walking that you did for at least 10 minutes at a time. Interviewer Note: If respondent answers zero, refuses or does not know, skip to question 180.					







179- How much time did you typically spend <u>walking</u> on one of those days?					
Hours per day [WDHRS; Range: 0-16] Minutes per day [WDMIN; Range: 0-960, 998, 999] 998. Does not know / is not sure 999. Refuses to answer					
Note to interviewer: an average amount of time per day spent walking is needed. If the respondent cannot answer because the amount of time varies greatly from day to day, ask: What is the total amount of time you spent walking in the last 7 days"?					
Hours per week [WWHRS; Range: 0-112] Minutes per week [WWMIN; Range: 0-6720, 9998, 9999] 9998.Does not know / is not sure					
9999. Refuses to answer					
Read the subject: Now think about the time you spent sitting on weekdays during the last 7 days. Include time spent at work, at home, while studying and during leisure time. This may include time spent sitting at a desk, visiting friends, reading, or sitting and/or lying down (awake) to watch television.					
180- During the last 7 days, how much time did you spend on average sitting on a week day?					
— — Hours per week [SDHRS; 0-16] — — Minutes per week [SDMIN; Range: 0-960, 998, 999] 998. Does not know / is not sure 999. Refuses to answer					
Interviewer clarification: Include time spent lying down (awake) as well as sitting. Interviewer note: An average amount of time per day is needed. If the respondent cannot answer because the amount of time varies day to day, ask: "What was the total amount of time you spent sitting (a) last Wednesday?" ———————————————————————————————————					
998. Does not know / is not sure 999. Refuses to answer					









IDENTIFICATION DATA	A					
Paste identification tag CODE:	GROUP:					
FIRST NAME LAST NAME(S):						
BLOOD SAMPLE AND ORAL GLUCOSE TEST TOLERANCE (OGTT)						
EXCLUSION CRITERIA FOR BLOOD SAMPLE: 181- Have you experienced fever, diarrhea or vomiting in the last week? 1 Yes (postpone) 2 No 9 ns/nc 182- When was the last time you had something to eat or drink (other	188- Blood sample date (dd / mm / yy):					
than water)?:	190- Capillary basal glycemia: mg/dl 192- Hour:					
Exclusion criteria for OGTT: 184- Do you have diabetes? 1□Yes 2□No 9□ns/nc	(If higher than 180, repeat and, if confirmed, do not perform OGTT) 191- Glycemia post-OGTT (2h): mg/dl 193- Hour:					
185- Do you take insulin? 1□ Yes (not perform OGTT) 2□No 9□ns/nc186- Do you take pills for sugar/glycemic control?	194- Basal venous sample obtained? 1□Yes 2□No					
1□ Yes (not perform OGTT) 2□No 9□ns/nc 187- When was the last time you took one?	195- Post-OGTT venous sample obtained? 1□Yes 2□No					