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Version in use between 2012-11-05 and 2013-11-20

### Person

	First of all, do you agree to the re	cording of th	e interview? This is important for the quality control.	
x0_opint	Int: Please insert your short name (e.g. Stefan Mair -> MaS)	x0_opint		
x0_sex	(Sex)	x0_sex	□1 Male □2 Female	
x0_birthd	When were you born?	x0_birthd	.      .    YYYY	
x0pe02	How many brothers and sisters have you or have you had (including possible deceased siblings, except yourself)?	x0pe02a x0pe02b	Number of brothers            Number of sisters	if x0pe02= 0 <b>x0pe05</b>
	How many brothers are still alive? How many sisters are still alive?	x0pe02c x0pe02d		
x0pe04	Are you a twin or part of a multiple birth?	x0pe04	□1 Yes □2 No	
x0pe05	Where did your family live when you were born?	x0pe05a x0pe05b x0pe05c	Place Province Country	
x0pe06	What is your marital status?	x0pe06	<ul> <li>☐1 Married</li> <li>☐2 Separated/Divorced</li> <li>☐4 Widowed</li> <li>☐5 Single/never married</li> <li>☐6 Prefer not to answer</li> </ul>	
x0pe11	How many sons and daughters do you have?	x0pe11a x0pe11b	Number of sons      Number of daughters	

x0pe08	What is the highest level of education you have completed?		<b>□</b> 1	No formal education or degree	
			<u>2</u>	Primary school	
		x0pe08	□3	Lower secondary school	
		xopeoo	<b>□</b> 4	Professional school (istituto professionale)	
			□5	Upper secondary school (liceo/istituto tecnico)	
			□6	College/University or higher	
x0pe09	In total, how many years did you attend school (starting from the first year of primary school)?	x0pe09			

# Occupation

	The next questions are about your occupation.				
x0oc00	Are you employed at the moment?	x0oc00	☐1 Yes, all-day ☐2 Yes, regularly part-time		
			☐3 Yes, less than p-t or irregularly ☐4 No	x0oc01	
	Which is the address of your current workplace?		Street and house number:  Postcode:  Municipality / village:  Province:  Country:	x0oc13	
x0oc01	Have you been employed or self-employed before?	x0oc01	□1 Yes □2 No	if age =< 75 x0oc10 if age > 75 x0oc13	
x0oc01a	Until when have you been regularly employed?	x0oc01a	Year	if age > 75 <b>x0oc13</b>	
x0oc10	Are you at the moment?	x0oc10	☐5 In education or retraining	if x0oc01= 1 x0oc13 if x0oc01= 2 x0rh01	
x0oc11	Since when are you unemployed without interruption?	x0oc11a, x0oc11b	_  .   _ _  M M Y Y Y Y		
x0oc13	Do you receive or did you received in the past a pension for reduced working capacity?	x0oc13	□1 Yes □2 No	<b>x0oc02a</b> if x0oc01 = 2 <b>x0rh01a</b>	

x0oc13	When have you received this pension?  Or until now  Which profession / occupation have you carried out for a least 1 year?	x0oc13a x0oc13b x0oc13c	From (year)  _	if x0oc01= 2 x0rh01a
		x0oc02b	Other	
		x0oc02c x0oc02d	From (year)        To (year)   _	
	Have you carried out another profession / occupation for a least 1 year?	x0oc03	□1 Yes □2 No	x0oc08
x0oc03	Which?	x0oc03a x0oc03b	☐1 ☐2 ☐3 ☐4 ☐5 ☐6 ☐7 ☐8 ☐9 ☐10 (as above)  Other	
		x0oc03c x0oc03d	From (year)        To (year)	
	Have you carried out another profession / occupation for a least 1 year?	x0oc04	□1 Yes □2 No	x0oc08
x0oc04	Which?	x0oc04a x0oc04b	☐1 ☐2 ☐3 ☐4 ☐5 ☐6 ☐7 ☐8 ☐9 ☐10 (as above)  Other	

		x0oc04c x0oc04d	From (year) To (year)		
	Have you carried out another profession / occupation for a least 1 year?	x0oc05	□1 Yes	□2 No	x0oc08
x0oc05	Which?	x0oc05a	□1 □2 □3 □4 □5 (as abov	6	
		x0oc05b	Other		
		x0oc05c	From (year)		
		x0oc05d	To (year)		
	Have you carried out another profession / occupation for a least 1 year?	x0oc06	□1 Yes	□2 No	x0oc08
х0ос06	Which?	x0oc06a	□1 □2 □3 □4 □5 (as abov	6	
		x0oc06b	Other		
		x0oc06c	From (year)		
		x0oc06d	To (year)		
	Have you carried out another profession / occupation for a least 1 year?	x0oc07	□1 Yes	□2 No	x0oc08
x0oc07	Which?	x0oc07a	□1 □2 □3 □4 □5 (as abov	□6 □7 □8 □9 □10 /e)	
		x0oc07b	Other		
		х0ос07с	From (year)	_ _ _	
		x0oc07d	To (year)		
x0oc08	How would you rate your profession or regular occupation?	x0oc08	☐1 Heavy physical according ☐2 Medium heavy ph☐3 Light physical action ☐4 No physical activit	ysical activity	

	Until now, where have you lived for at I	east 1 year? (plad	ce)						
	(x0rh01a / x0rh02a / x0rh03a / x0rh04a / x0rh05a / x0rh06a / x0rh07a / x0rh08a / x0rh09a / x0rh10a)								
	From (year)								
	(x0rh01b / x0rh02b / x0rh03b / x0rh04b x0rh10b)	o / x0rh05b / x0rh0	06b / x0rh07b / x0	rh08b / x0rh09b	/				
	To (year)								
	(x0rh01c / x0rh02c / x0rh03c / x0rh04c	/ x0rh05c / x0rh0	6c / x0rh07c / x0rl	h08c / x0rh09c /	x0rh10c)				
	Do you have lived in another place for	at least 1 year?							
	(x0rh02 / x0rh03 / x0rh04 / x0rh05 / x0	)rh06 / x0rh07 / x0	0rh08 / x0rh09 / x0	)rh10)					
	Place	From (year)	To (year)	Other place?					
				Yes No					
x0rh01		_		□1 □2	$\Rightarrow$				
x0rh02		_		□1 □2	$\Rightarrow$				
x0rh03		_		□1 □2	$\Rightarrow$				
x0rh04		_		□1 □2	$\Rightarrow$				
x0rh05		_		□1 □2	$\Rightarrow$	end			
x0rh06		_		□1 □2	$\Rightarrow$				
x0rh07		_		□1 □2	$\Rightarrow$				
x0rh08		_		□1 □2	$\Rightarrow$				
x0rh09		_		□1 □2	$\Rightarrow$				
x0rh10		_							

## **Exposure**

	The next questions are about exp	osure to en	/ironm	ental risk factors.				
x0ex10	Do you do gardening (also allotment garden)?	x0ex10	<b>□</b> 1	Yes	<u>2</u>	No		x0ex12
x0ex11	Do you use pesticides? (insecticides, herbicides, fungicides)	x0ex11	<b>□</b> 1	Yes	<b>□</b> 2	No		x0ex12
x0ex11a	How often do you use these substances?	x0ex11a	□1 □2 □3	Once a week and r 1-3 times per mont Less frequently				
x0ex12	Do you use or did you use insecticides in your habitation? (e.g. repellent, electric diffuser with plates)	x0ex12	<u></u> 1	Yes	<b>□</b> 2	No		x0ex13
x0ex12a	How often do you use these substances?	x0ex12a	□1 □2 □3	Once a week and r 1-3 times per mont Less frequently				
x0ex13	Do you use or did you use wood preservatives in your habitation?	x0ex13	<u></u> 1	Yes	□2	No		x0ex21
x0ex13a	How often do you use these substances?	x0ex13a	□1 □2 □3	More than once a y Approximately once Less than once a y	e a yea	ar		
x0ex21	Does your work or your hobbies expose you FREQUENTLY to the following substances?	x0ex21 x0ex22 x0ex23 x0ex24 x0ex25 x0ex26	Engir Wood Grain	s wool/mineral wool		Yes  1  1  1  1  1  1  1  1	No  □2 □2 □2 □2 □2 □2 □2 □2	

x0ex21	**Nex21 {Does your work or your hobbies expose you FREQUENTLY to the following substances?}			Yes	No	
		x0ex27	Metals (nickel, chromium, iron, steel)	□1	<u></u>	
		x0ex28	Heavy metals (lead, cadmium, mercury) or arsenic	1	<u></u>	
		x0ex29	Solvents (e.g. PER, TRI) or paint	<u></u> 1	<u></u>	
		x0ex30	Petroleum products (gasoline, diesel, tar)	<u></u> 1	<u></u>	
		x0ex31	X-rays/ microwaves/ radioactive materials	<u></u> 1	<u></u>	
		x0ex32	Pesticides	<u> </u>	<u>2</u>	
x0ex20	Are you exposed to heavy noise at your workplace?	x0ex20	□1 Yes □2	No		

## Birth<sup>1</sup>

	The next questions are about you	ur birth and o	development.			
x0bi01a	What was your birth weight?	x0bi01a	□1 Exactly □2 Approximately			
			☐3 I do not know	x0bi03		
		x0bi01	In grams			
x0bi03	Are you born preterm or postterm?		1 Preterm birth			
		x0bi03	□2 Normal	x0bi04		
			☐3 Postterm birth			
			☐4 I do not know			
x0bi02a	For how many weeks was your mother pregnant until you were born?	x0bi02a	☐1 Exactly ☐2 Approximately			
			☐3 I do not know	x0bi04		
		x0bi02	In weeks			
x0bi04	How were you born?	x0bi04	☐1 Normal birth ☐2 Birth with the aid of delivery forceps or vacuum			
			☐3 Caesarean section ☐4 I do not know			

x0bi05	For how long were you breastfed?	x0bi05	☐1 I was not breastfed ☐2 I was breastfed, but I do not know for how long	
			☐3 Up to 2 weeks	
			☐4 3 to 4 weeks (up to 1 month)	
			□5 2 to 3 months	
			☐6 4 to 6 months	
			☐7 More than 6 months	
			☐8 I do not know, if I was breastfed	
x0bi06	Were you born with one or more congenital malformations?	x0bi06	□1 Yes □2 No □3 I don't know end	d
	Please specify:	x0bi06a		

http://www.p3gobservatory.org/questionnaireblock/viewAllBlocks.htm?questionnaireld=48 (last checked July 2012)

J:\5-5 New Research Initiatives\5-50 Vinschgau-Study\5-50-5 Study Phenotypes\SIMILAR STUDIES\LifeLines

<sup>&</sup>lt;sup>1</sup> LifeLines - Questions about birth and development

### Women

	The next questions are directed especially to women. These are questions on reproductive history and women's health e.g. on pregnancies, sexual hormone use etc.				
x0wo01a	How old were you at your first menstruation (menarche)?	x0wo01a x0wo01b x0wo01c	Year or age at that time  I have not had my period so far  I don't know		
x0wo03	Do you currently take contraceptive pills?		□1 Yes	x0wo04a	
		x0wo03	□6 No		
			☐2 Prefer not to answer	if age<=55y <b>x0wo05</b> if age>55y <b>x0wo12</b>	
x0wo02	Have you ever taken contraceptive pills?	x0wo02	□1 Yes □2 No □3 I don't know	if age<=55y <b>x0wo05</b> if age>55y <b>x0wo12</b>	
x0wo04	How many months or years have you taken contraceptive pills?	x0wo04a x0wo04b	Number of months    or number of years	if age>55y <b>c103</b>	
x0wo05	Are you pregnant at the moment?	x0wo05	☐1 Yes ☐2 No ☐3 I don't know, possibly	x0wo06	
	In which week of pregnancy are you at the moment?	x0wo05a			
x0wo12	Have you ever been pregnant? (Including stillbirths and miscarriages!)	x0wo12	□1 Yes □2 No □3 I don't know	x0wo06	
x0wo12a	How many children have you given birth to, including stillborn children?	x0wo12a			
	<b>INT:</b> Definition stillbirth: Birth of a dead foetus after a pregnancy of at least 28 weeks (or 7 months).				
x0wo06	Do you still have regular menstrual bleedings?	x0wo06	□2 No □1 Yes □3 I don't know	end	
	When did you have your last menstruation? (Age)	x0wo07	Age		

x0wo08	What was the reason for the menstruation cease?		1	Menopau	ıse					
		x0wo08	<u>2</u>	Operation	n					
			□3	☐3 Other reason						
	Please specify	x0wo08a								
x0wo09	Do you take hormones replacement preparations at the moment (estrogens or gestagens, i.e. sexual hormone preparations especially for women except the birth-control pill, e.g., in the form of tablets, ointments, plasters or injections)?	x0wo09	<u></u>	No	<b>□</b> 1	Yes	□3	I don't know	x0wo11	
x0wo10	Have you ever taken any hormone replacement therapy?	x0wo10	<u></u> 1	Yes	<u></u> 2	No	□3	I don't know	end	
x0wo11	How many years have you taken these hormone preparations all together?	x0wo11a x0wo11b	  L			of years	if less t	han 1 year		

## **Nutrition**

	How often do you eat the following	g foods?					
		Almost Daily	Several times a week	About once a week	Several times a month	Once a month or less frequent	Never
x0fd01	Meat (without sausages)	1	2	<u></u> 3	4	5	<u></u> 6
x0fd02	Sausages, ham	1	2	3	4	5	<u></u> 6
x0fd03	Poultry	1	2	3	4	5	<u>6</u>
x0fd04	Fish	1	2	З	4	5	<u>6</u>
x0fd05	Potatoes	1	2	З	4	5	6
x0fd06	Pasta	1	2	3	4	5	<u></u> 6
x0fd07	How often do you eat the followin	g foods?					
		Almost Daily	Several times a week	About once a week	Several times a month	Once a month or less frequent	Never
x0fd07	Rice	1	2	3	4	5	6
x0fd08	Salad or vegetable, raw	1	2	3	4	5	<u></u> 6
x0fd09	Vegetable, cooked	1	2	З	4	5	<u>6</u>
x0fd10	Fresh fruit	1	2	3	4	5	<u>6</u>
x0fd11	Chocolate, chocolates	1	2	3	4	5	<u>6</u>
x0fd12	Cakes, pastries, biscuits	1	2	3	4	5	<u>6</u>
x0fd13	How often do you eat the followin	g foods?					
		Almost Daily	Several times a week	About once a week	Several times a month	Once a month or less frequent	Never
x0fd13	Other sweets (candies, among other things)		2	3	4	5	<u></u> 6
x0fd14	Salted snacks such as salted peanuts, crisps, and others	1	2	Пз	4	5	<u></u>
x0fd15	White bread, brown bread, toast bread	<u> </u>	2	З	<u></u> 4	5	<u></u>
x0fd16	Whole grain bread, black bread, crisp bread	1				5	— — 6
x0fd17	Flaked oats, muesli, cornflakes	1		3	4	5	6
x0fd18	Curd, yoghurt, sour milk	1	2	3	4	5	<u>6</u>
	How often do you eat the followin	g foods?					

		Almost Daily	Several times a week	About once a week	Several times a month	Once a month or less frequent	Never
x0fd19	Low-fat milk products up to 1.5% (yoghurt, milk, curd, and others)	fat content	2	<u></u> 3	<u></u> 4	5	<u>6</u>
x0fd20	Cheese	1	2	3	4	5	<u>6</u>
x0fd21	Eggs	1	2	<u></u> 3	4	5	<u></u> 6
x0fd22	Milk including buttermilk	1	2	3	4	5	6
x0fd23	Margarine (as a spread)	1	2	3	4	5	6
x0fd24	Margarine, half-fat ("light")	1	2	3	4	5	<u>6</u>
x0fd25	How often do you eat the following	ng foods?					
		Almost Daily	Several times a week	About once a week	Several times a month	Once a month or less frequent	Never
x0fd25	Butter (as a spread)	1	2	3	4	5	<u></u> 6
x0fd26	Butter, half-fat ("light")	1	2	3	4	5	<u>6</u>
x0fd27	Diet lemonade, other diet beverag		2	3	4	5	<u></u> 6
x0fd28	Fruit juices, other soft drinks (lem cola-beverages, and others)	nonades,	2	<u></u> 3	4	5	<u>6</u>
x0fd29	Mineral water	1	2	3	4	5	6
x0fd31	Have you ever drunk espresso/ mocha coffee one or more times per month for at least 6 months in your lifetime? (except decaffeinated)	x0fd31	□1 Yes	□2 N	o <u></u> 3	I don't know	x0fd32
	When did you start drinking regularly espresso/ mocha coffee? (age)	x0fd31a	Age				
	Or: as child (<12), as teenager (13-18) or as adult (>19)?	x0fd31b	☐1 Child☐2 Teen☐3 Adult	nager			
	Do you drink regularly espresso/ mocha coffee at the moment? (at least once a month)	x0fd31c	□2 No		□1 Yes		x0fd31f
	When did you stop drinking regularly espresso/ mocha coffee? (age) Or: In total, how many years have you been drinking espresso/ mocha coffee?	x0fd31d, x0fd31e	<u> </u>	 Age or	_  r how many ye	ars	

x0fd31f	How many cups of espresso/ mocha coffee do you normally drink or have you drunk during a day?	x0fd31f							
x0fd32	Have you ever drunk black tea one or more times per month for at least 6 months in your lifetime?	x0fd32	1	Yes	<u></u> 2	No	□3	I don't know	x0fd33
	When did you start drinking regularly black tea? (age)	x0fd32a	Age					_	
	Or: as child (<12), as teenager (13-18) or as adult (>19)?	x0fd32b	□1 □2 □3	Child Teenager Adult	r				
	Do you drink regularly black tea at the moment? (at least once a month)	x0fd32c	_2	No			□1 Ye	5	x0fd32f
	When did you stop drinking regularly black tea? (age) Or: In total, how many years have you been drinking black tea?	x0fd32d, x0fd32e		_ Age	_l	or h	_ now many :	years	
x0fd32f	How many cups of black tea do you normally drink or have you drunk during a day?	x0fd32f							
x0fd33	Have you ever drunk filter coffee one or more times per month for at least 6 months in your lifetime? (except decaffeinated)		_1	Yes	<u></u> 2	No	□3	I don't know	x0fd34
	When did you start drinking regularly filter coffee? (age)	x0fd33a	Age					_	
	Or: as child (<12), as teenager (13-18) or as adult (>19)?	x0fd33b	□1 □2 □3	Child Teenager Adult	r				
	Do you drink regularly filter coffee at the moment? (at least once a month)	x0fd33c	<u>2</u>	No			□1 Ye	5	x0fd33f
	When did you stop drinking regularly filter coffee? (age) Or: In total, how many years have you been drinking filter coffee?	x0fd33d, x0fd33e		_ Age	_l	or h	_ now many :	years	

x0fd33f	How many cups of filter coffee (125 ml) do you normally drink or have you drunk during a day?	x0fd33f							_ _	
x0fd34	Have you ever drunk coke one or more times per month for at least 6 months in your lifetime? (except decaffeinated)	x0fd34	1	Yes	<u></u> 2	No	С	]3	I don't know	end
	When did you start drinking regularly coke? (age)	x0fd34a	Age							
	Or: as child (<12), as teenager (13-18) or as adult (>19)?	x0fd34b	□1 □2 □3	Child Teenage Adult	r					
	Do you drink regularly coke at the moment? (at least once a month)	x0fd34c	<u>2</u>	No			□1 `	Yes		x0fd34f
	When did you stop drinking regularly coke? (age) Or: In total, how many years have you been drinking coke?	x0fd34d, x0fd34e		_ Age	_	or h	_ now mar	 ny ye	ars	
x0fd34f	How many cans of coke (33 cl) do you normally drink or have you drunk during a day?	x0fd34f							_ _	

## Alcohol

x0al00	Have you ever drunk alcoholic drinks?	x0al00	□1	Yes	□2	No	end
x0al01	During the last 12 months, on average how often have you drunk alcoholic drinks, e.g. a glass of wine, beer, cocktail, schnapps or liqueur?		□1 □2 □3	Never At special occasion Once a month or le			x0al05a
		x0al01	□4 □5 □6 □7	2-4 times per mont 2-3 times per week 4 or more times per Daily	ζ	but not daily	if male x0al02a if female x0al02b
x0al02a	During the last 12 months, how often have you drunk 5 or more alcoholic drinks at a single occasion?	x0al02a	□1 □2 □3 □4 □5 □6 □7 □9 □10	Never in the last 12 1-2 times in the last 3-5 times in the last 6-11 times in the last Approximately once 2-3 times per mont 1-2 times per week 3-4 times per week Daily or almost da	x0al03a		
x0al02b	During the last 12 months, how often have you drunk 4 or more alcoholic drinks at a single occasion?	x0al02b	□1 □2 □3 □4 □5 □6 □7 □9 □10	Never in the last 12 1-2 times in the last 3-5 times in the last 6-11 times in the last Approximately once 2-3 times per mont 1-2 times per week 3-4 times per week Daily or almost da	et 12 mo	onths onths nonths	

	T T		ı			
x0al03a	During the last 12 months, how many of the following beverages have you usually drunk on a weekend (Friday, Saturday, Sunday)?  During the last 12 months, how many of the following beverages have you usually drunk on working days (from Monday until Thursday)?	x0al03a x0al03b x0al03c x0al03d x0al03e x0al03f  x0al04a x0al04b x0al04c x0al04d x0al04d x0al04d	Alcohol-free beer (number of glasses a 0.2) White wine or champagne (numof glasses a 0.125 l) Red wine (number of glasses a Schnapps/liqueur (number of glasses a 0.02 l) Cocktails (with alcohol)? (number of glasses a 0,3 l)  Alcohol-free beer (number of glasses a 0.2) White wine or champagne (numof glasses a 0.125 l) Red wine (number of glasses a Schnapps/liqueur (number of glasses a 0.02 l) Cocktails (with alcohol)? (number of glasses a 0.02 l) Cocktails (with alcohol)? (number of glasses a 0.3 l)	o.125 l)  oer  asses a  l)  nber  0.125 l)	_              	end
x0al05a	Why have you not drunk/ drunk few alcoholic drinks during the last 12 months?	x0al05a x0al05b x0al05c x0al05d x0al05e x0al05f x0al05f x0al05g x0al05h	Presence of a disease  Other health reasons / for protection of the own health  Recommendation of a physicial Financial reasons  Religious reasons  I am a recovered alcoholic  Other reasons  I don't know	Yes	No	end
x0al06a	When did you start drinking regularly alcohol?	x0al06a, x0al06b	_ _   Year or		 that time	

x0al07a When did you stop drinking regularly alcohol?	x0al07a, x0al07b	 Year or age at that time	
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# Smoking<sup>1</sup>

	Next I would like to ask you some	e questions a	about smoking and passiv	re smoking.	
x0sm32	Have you ever smoked for as long as a year?	x0sm32	□1 Yes	□2 No	x0sm46
	INT: 'YES' means at least 20 packs of cigarettes or 12 oz (360 grams) of tobacco in a lifetime, or at least one cigarette per day or one cigar a week for one year				
	How old were you when you started smoking?	x0sm33	Age (Years)		
x0sm34	How old were you when you started smoking daily?	x0sm34	Age (Years)		
		x0sm34a	1 Never smoked da	ily □2 {No}	
x0sm00	Do you <b>now</b> smoke, as of <b>one month ago</b> ?	x0sm00	☐1 Yes	□2 No	x0sm39
x0sm35	How much do you now smoke on average?	x0sm35 x0sm36 x0sm37 x0sm38	Number of cigarettes per Number of cigarillos per Number of cigars a weel Pipe tobacco in grams /	day:     <:	
x0sm39	Have you stopped or cut down smoking?	x0sm39	□1 Yes	□2 No	x0sm45
	Have you stopped or cut down smoking because of respiratory problems?	x0sm39a	☐1 Yes	2 No	
	How old were you when you stopped or cut down smoking?	x0sm40	Age (Years)		
x0sm41	On average of the entire time you smoked, before you stopped or cut down, how much did you smoke?	x0sm41 x0sm42 x0sm43 x0sm44	Number of cigarettes per Number of cigarillos per Number of cigars a week Pipe tobacco in grams /	day:     k:	
x0sm45	Do you or did you inhale the smoke?	x0sm45	□1 Yes	□2 No	
x0sm46	Have you been regularly exposed to tobacco smoke in the last 12 months?	x0sm46	□1 Yes	□2 No	end
	<b>INT:</b> 'Regularly' means on most days or nights				

	Not counting yourself, how many people in your household smoke regularly?	x0sm47		
	Do people smoke regularly in the room where you work?	x0sm48	□1 Yes □2 No	
	How many hours per day are you exposed to other people's smoke?	x0sm49	hours per day	if 0 <b>end</b>
x0sm49a	Please provide more information.  How many hours per day, are you exposed to other peoples tobacco smoke in the following locations?	x0sm49a x0sm49b x0sm49c x0sm49d	at home:    hours per day  at workplace:    hours per day  in bars, restaurants, cinemas or similar social settings:    hours per day  elsewhere:    hours per day	

<sup>&</sup>lt;sup>1</sup> European Community Respiratory Health Survey (ECRHS) III <a href="http://www.ecrhs.org/Quests.htm">http://www.ecrhs.org/Quests.htm</a> (last checked July 2012) JJ:\5-5 New Research Initiatives\5-50 Vinschgau-Study\5-50-5 Study Phenotypes\EXPOSURE\Smoking

## **Chronic diseases**

	The next questions are about you	ur health stat	rus.	
x0cd01	Has a doctor ever told you that you have a liver disease?	x0cd01	□1 Yes □2 No □3 I don't know	x0cd06
	Do you remember the name of the disease?	x0cd01e x0cd01f	☐1 Cirrhosis ☐2 Other Other	
	In which year was it diagnosed for the first time?	x0cd01a, x0cd01b	 	
x0cd06	Has a doctor ever told you that you have gout?	x0cd06	□1 Yes □2 No □3 I don't know	x0cd10
	In which year was it diagnosed for the first time?	x0cd06a, x0cd06b	_	
x0cd10	Has a doctor ever told you that you have osteoporosis?	x0cd10	□1 Yes □2 No □3 I don't know	x0cd14
	In which year was it diagnosed for the first time?	x0cd10a, x0cd10b	Year or age at that time	
x0cd14	Have you ever been told that you have a vasculitis (including lupus erythematosus)?	x0cd14	□1 Yes □2 No □3 I don't know	end
	Do you remember the name of the disease?	x0cd14d		
	In which year was it diagnosed for the first time?	x0cd14a, x0cd14b	 Year or age at that time	

### Cancer

x0ca00	Have you ever had cancer?	x0ca00	□1 Yes		]2 No	□3	I don't know	end
x0ca00a	How many malignant tumours (cancer) have you had?	x0ca00a						
x0ca01a	In which year was the first/ seco (x0ca01a/ x0ca02a/ x0ca03a). What kind of cancer? (x0ca01b/ x0ca02b / x0ca03b). Were you hospitalised for in-pation (x0ca01c / x0ca02c / x0ca03c). In which hospital were you treated (x0ca01d / x0ca02d / x0ca03	/ x0ca04a/ x0 o / x0ca04b / : ent treatmen / x0ca04c / > ed?	0ca05a) x0ca05b) t? x0ca05c)	cer asce	ertained?			
	Year Kind of cance		n-patient? es		Hospital			end if x0ca00a
		2 						= 1 = 2 = 3 = 4

### **Diabetes**

x0dm00	Do you have diabetes mellitus?	x0dm00	<u></u> 1	Yes	□2 No	□3 I don't I	know	end
x0dm01	In which year was it diagnosed?	x0dm01a, x0dm01b		_	_  _  Year	_  or age at that tim	e	
x0dm02	Do you know which type of diabetes you have?	x0dm02	□1 □2 □3 □4 □5	Adult dia	e diabetes (ty abetes (type ncy diabetes s after pancr know	2)		
x0dm03	How are you treated?		<u></u> 1	Only wit	h tablets			end
		x0dm03	□2 □3	-	h insulin ulin and tabl	ets		
			□4 □5	Only die				end
x0dm04	Please, indicate the year or the age since when you are treated with insulin.	x0dm04a, x0dm04b		_	_  _  Year	_  or age at that tim	e	

# Kidney diseases<sup>1</sup>

x0ki00	Has a doctor ever told you that you have a kidney disease?	x0ki00	<u></u> 1	Yes	□2 No	□3 I don't know	x0ki09
x0ki01	Was it a glomerulonephritis?	x0ki01	<u></u> 1	Yes	□2 No	☐3 I don't know	x0ki02
	In which year was it diagnosed for the first time?	x0ki01a, x0ki01b			_  _  Year	_  or age at that time	
	Do you remember the exact name of the disease?	x0ki01d					
x0ki02	Was it a pyelonephritis?	x0ki02	<b>□</b> 1	Yes	□2 No	☐3 I don't know	x0ki04
	In which year was it diagnosed for the first time?	x0ki02a, x0ki02b			_    Year	_  or age at that time	
x0ki04	Was it a disease of the renal arteries (including renal artery stenosis)?	x0ki04	<u></u> 1	Yes	□2 No	□3 I don't know	x0ki05
	In which year was it diagnosed for the first time?	x0ki04a, x0ki04b			_  _  Year	_  or age at that time	
	Do you remember the exact name of the disease or the diagnosis?	x0ki04d					
x0ki05	Was it a hereditary or congenital kidney disease (including polycystic kidney disease)?	x0ki05	<u></u> 1	Yes	□2 No	□3 I don't know	x0ki07
	In which year was it diagnosed for the first time?	x0ki05a, x0ki05b			_  _  Year	_  or age at that time	
	Do you remember the exact name of the disease or the diagnosis?	x0ki05d					
x0ki07	Have you ever been told that you have kidney stones?	x0ki07	1	Yes	□2 No	☐3 I don't know	x0ki08
	In which year were the kidney stones diagnosed for the first time?	x0ki07a, x0ki07b			_  _  Year	_  or age at that time	
x0ki08	Have you ever been told that you have another kidney disease, not mentioned yet?	x0ki08	<u></u> 1	Yes	□2 No	☐3 I don't know	x0ki09

	If you remember it, please specify the name of the disease:	x0ki08d		
	In which year was it diagnosed for the first time?	x0ki08a, x0ki08b	Year or age at that time	
x0ki09	Has a doctor ever told you that you have a reduced kidney function or a renal failure?	x0ki09	□1 Yes □2 No □3 I don't know	x0ki19
	In which year?	x0ki09a, x0ki09b	 Year or age at that time	
	Is the renal failure still present?	x0ki09c	□1 Yes □2 No □3 I don't know	
x0ki22	Have you ever been on dialysis?	x0ki22	□1 Yes □2 No □3 Non lo so	x0ki23
	When did you the first dialysis?	x0ki22a, x0ki22b	Year or age at that time	
x0ki23	Are you still on dialysis?	x0ki23	□2 No □1 Yes	x0ki10
	When did you the last dialysis?	x0ki23a, x0ki23b	Year or age at that time	
x0ki10	Have you ever undergone a kidney transplantation?	x0ki10	□1 Yes □2 No □3 I don't know	x0ki19
	How many transplantations?	x0ki10a		
x0ki11a	Year of the first transplantation	x0ki11a, x0ki11b	   Year or age at that time	f x0ki10a = 1 <b>x0ki19</b>
x0ki12a	Year of the second transplantation	x0ki12a, x0ki12b	   Year or age at that time	f x0ki10a = 2 <b>x0ki19</b>
x0ki13a	Year of the third transplantation	x0ki13a, x0ki13b	   Year or age at that time	f x0ki10a = 3 <b>x0ki19</b>
x0ki14a	Year of the fourth transplantation	x0ki14a, x0ki14b	   Year or age at that time	f x0ki10a = 4 <b>x0ki19</b>
x0ki15a	Year of the fifth transplantation	x0ki15a, x0ki15b	 Year or age at that time	

x0ki19	Have you ever donated a kidney?	x0ki19	1	Yes	□2 No	☐3 I don't know	x0ki20
	In which year?	x0ki19a, x0ki19b			_    Year	_  or age at that time	
x0ki20	Were you operated for angioplasty of the renal arteries?	x0ki20	_1	Yes	□2 No	□3 I don't know	x0ki21
	In which year?	x0ki20a, x0ki20b		_	_    Year	<u> </u>  _  or age at that time	
x0ki21	Have you undergone a renal surgery for another reason?	x0ki21	<u></u> 1	Yes	□2 No	☐3 I don't know	end
	Please specify:	x0ki21c					
	In which year?	x0ki21a, x0ki21b		_	_    Year	_  or age at that time	

<sup>&</sup>lt;sup>1</sup> based on Renal DataSchema (modified by PaC)

http://www.datashaper.org/Datashaper.html;jsessionid=C2EB9C7F6D2FEF61C2D17C1453BE1D68#dataschemasTab\$REL EASE\$RENAL\_1 (last checked July 2012)

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#### Blood values<sup>1</sup>

x0bl01	Has a doctor ever said that you have high blood pressure or hypertension?	x0bl01	1	Yes	<u></u> 2	No	□3 I don't know	x0bl02		
x0bl01b	At what age were you first told this?	x0bl01b	Ą	Age at that time						
x0bl01c	Was this during pregnancy only?	x0bl01c	<b>□</b> 1	Yes		<u>2</u>	No			
x0bl02	Have you ever taken medication for hypertension or high blood pressure, following a doctor's prescription?	x0bl02	1	Yes	□2	No	□3 I don't know	x0bl12		
	At what age did you begin taking medicine for this?  INT: if unknown: 99	x0bl02a	Αţ	_ ge at that t	_  ime					
	Are you still taking medicine for this?	x0bl02b	<u>2</u>	No			□1 Yes	x0bl12		
	When did you stop taking medicine for this?	x0bl02c	Ą	_ ge at that t	_  :ime					
x0bl12	Has a doctor ever said you have raised blood lipids (cholesterol, triglycerides)?	x0bl12	1	Yes	<u></u> 2	No	□3 I don't know	end		
x0bl12a	Have you ever taken medication for this, following a doctor's prescription?	x0bl12a	1	Yes	<b>□</b> 2	No	□3 I don't know	end		
	At what age did you begin taking medicine for this?  INT: if unknown: 99	x0bl12b	Ą	 ge at that t	ime					
	Are you still taking medicine for this?	x0bl12c	<u></u> 1	Yes		<u>2</u>	No			

- PhenX Toolkit Blood Pressure (Adult/Primary) #040301

https://www.phenxtoolkit.org/index.php?pageLink=browse.protocoldetails&id=40301 (last checked July 2012)

- PhenX Toolkit Lipid Profile #040200

https://www.phenxtoolkit.org/index.php?pageLink=browse.protocoldetails&id=40201 (last checked July 2012)

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<sup>&</sup>lt;sup>1</sup> based on

# Thyroid diseases

x0th00	Were you ever diagnosed to have a thyroid disease?	x0th00	_1	Yes	□2 No	☐3 I don't know	x0th12
x0th01 x0th02 x0th03	Which thyroid disease were you diagnosed for?  If YES: Do you remember the year of the diagnosis?		No	Don't Know	Yes	Year of diagnosis	
x0th04 x0th05 x0th06	Hypothyroidism	x0th02, x0th02a	<u>□</u> 2	□3	□1 📥 Year		
x0th07	2. Hashimoto's disease	x0th07, x0th07a	<u>2</u>	□3	□1 □ Year	_	
	3. Hyperthyroidism	x0th01, x0th01a	<u>2</u>	□3	□1 □ Year		
	4. Graves' disease (Basedow's disease)	x0th05, x0th05a	<u></u>	□3	□1 □ Year	_ _ _	
	5. Goiter	x0th03, x0th03a	<u>2</u>	□3	□1 □ Year		
	6. Nodule	x0th04, x0th04a	<u>□</u> 2	□3	□1 □ Year	_	
	7. Cancer	x0th06, x0th06a	<u>□</u> 2	□3	□1 ➡ Year		
x0th09	8. A different thyroid disease, not mentioned yet?	x0th09	1	Yes	□2 No	☐3 I don't know	
if sex = male (	e AND children >0 => <b>x0th08</b> OR children=0 AND (x0th02,, x  OR children=0 AND (x0th02= 1 O						
	Do you remember the year of the diagnosis?	x0th09a	Year				
	Do you remember the name of the disease or can you describe it as precisely as possible?	x0th09b					if sex = male OR children=0 x0th12
x0th08	9. Did you suffered from an alteration of the thyroid function during pregnancy?	x0th08	<u></u> 1	Yes	□2 No	☐3 I don't know	
x0th12	Were you ever submitted to an operation to the thyroid gland?	x0th12	_1	Yes	□2 No	☐3 I don't know	x0th13
x0th12a	In which year?	x0th12a	Year				

	Do you remember which kind of operation?	x0th12b	☐1 Partial removal ☐2 Full removal ☐3 Nodule ☐4 Other	x0th13
	Could you please specify as much as you can?	x0th12c		
x0th13	Did you ever undergo a therapy for the thyroid?	x0th13	☐1 Yes, radioiodine therapy ☐2 Yes, medical or pharmacological therapy	
			□3 No □4 I don't know	x0th14
	Do you remember the year of the first treatment?	x0th13a	From (year)   _ _	
	Until when did the treatment last?  INT: enter 3000 if the therapy is continuing)	x0th13b	To (year)	
x0th14	Did other persons in your family suffered from diseases to the thyroid function?	x0th14	□1 Yes □2 No □3 I don't know	end
	Please specify	x0th14a x0th14b x0th14c x0th14d x0th14e x0th14f	[CHECKBOX]         Yes         No           Mother         1         2           Father         1         2           Brother(s)         1         2           Sister(s)         1         2           Son(s)         1         2           Daughter(s)         1         2	
	Do you remember the name of the disease?	x0th14g		

<sup>&</sup>lt;sup>1</sup> Based on a template from the KORA study, the questionnaire was reviewed and entirely restructured by Cristian Pattaro, Claudia Beu Volpato, and Helmuth Weiß (Hospital of Schlanders/Silandro) on Apr/May 2012

J:\5-5 New Research Initiatives\5-50 Vinschgau-Study\5-50-5 Study Phenotypes\METABOLISM\thyroid

# **Myocardial infarction**

x0mi00	Have you ever had any pain or discomfort in your chest?	x0mi00	□1 Yes □2 No	x0mi08
x0mi01	Do you get it when you walk uphill or hurry?		□1 Yes	
		x0mi01	□2 No	x0mi07
			☐3 I never hurry or walk uphill ☐4 I don't know	
x0mi02	Do you get it when you walk at an ordinary pace on the level?	x0mi02	□1 Yes □2 No □3 I don't know	
x0mi03	What do you do, if you get it while you are walking?	x0mi03	☐1 I stop or slow down ☐3 I take nitroglycerine	
			☐2 I carry on walking in the same pace	x0mi07
x0mi04	Does the pain/discomfort vanish within 10 minutes if you slow down or stop?	x0mi04	□2 No □1 Yes	x0mi07
x0mi05a	Will you show me, where it was?	x0mi05a	Yes No Sternum □1 □2	
		x0mi05b	Left arterial chest	
		x0mi05c	Neck / jaw ☐1 ☐2	
		x0mi05d	Left shoulder	
		x0mi05e	Other	
	If it was at another site, which?	x0mi05f		
x0mi06	Does the pain or the discomfort radiate into the left arm?	x0mi06	□1 Yes □2 No	
x0mi07	Have you ever had a severe pain across the front of your chest lasting for half an hour or more?	x0mi07	□1 Yes □2 No	
x0mi08	To your knowledge, do you have a coronary heart disease?	x0mi08	□1 Yes □2 No □3 I don't know	x0mi09
	In which year was it diagnosed?	x0mi08b, x0mi08c	 Year or age at that time	

	Were you or are you still treated by a doctor for this?	x0mi08d	□1 □2	Yes, in th		t	□3 □4	No I don't know	
x0mi09	Have you ever been told by a doctor that you had a myocardial infarction?	x0mi09	<u></u> 1	Yes	_2	No	□3	I don't know	x0mi16
x0mi10	In total, how many myocardial infarction have you had?	x0mi10							
x0mi11a	Which year did the first/ second/ third/ fourth/ fifth myocardial infarction occur?  (x0mi11a / x0mi12a / x0mi13a / x0mi14a / x0mi15a)  Were you treated in-patient in a hospital?  (x0mi11b / x0mi12b / x0mi13b / x0mi14b / x0mi15b)  In which hospital were you treated?  (x0mi11c / x0mi12c / x0mi13c / x0mi14c / x0mi15c)								
		nt?  > > > >							x0mi16 if x0mi10 = 1 = 2 = 3 = 4
x0mi16	No Yes     _	> > >							if <b>x0mi10</b> = 1 = 2 = 3
x0mi16 x0mi17	No Yes    _   _   _   _   _   _   _   _   _	> > >							if <b>x0mi10</b> = 1 = 2 = 3

## **Heart failure**

x0hf01	Do you have shortness of breath during exercise e.g. when climbing stairs?	x0hf01	<u></u> 1	Yes	<u>2</u>	No	□3	I don't know	x0hf02
	Since when? (Year)	x0hf01a, x0hf01b			 		 or age at t	 that time	
x0hf02	Do you have "water in the lung" (pulmonary edema)?	x0hf02	_1	Yes	<u>2</u>	No	□3	I don't know	x0hf03
	Since when? (Year)	x0hf02a, x0hf02b			_ Year		 or age at t	hat time	
x0hf03	Do you often have swollen legs, because of "water in the legs"?	x0hf03	1	Yes	<u>2</u>	No	□3	I don't know	x0hf04
	Since when? (Year)	x0hf03a, x0hf03b			_ Year	I	 or age at t	hat time	
x0hf04	Do you have myocarditis?	x0hf04	_1	Yes	□2	No	□3	I don't know	x0hf05
		x0hf04a, x0hf04b			_ Year	l	 or age at t	hat time	
	Describe the disease as accurately as possible:	x0hf04c							
x0hf05	Do you have myocardial diseases? (e.g. hypertrophic cardiomyopathy)	x0hf05	<u></u> 1	Yes	_2	No	□3	I don't know	x0hf06
		x0hf05a, x0hf05b			 		 or age at t	 that time	
	Describe the disease as accurately as possible:	x0hf05c						<del></del>	
x0hf06	Have you ever been told that you have a heart defect (as a child)?	x0hf06	<u></u> 1	Yes	<u>2</u>	No	□3	I don't know	x0hf07
	Describe the problem as accurately as possible:	x0hf06a							
x0hf07	Has a doctor ever performed an ECG on you (except surgical preparation or sport competitions)	x0hf07	_1	Yes	2	No	□3	I don't know	x0hf08

	Where there conspicuous findings?	x0hf07c	□1 Yes □2 No	x0hf08
	Which?	x0hf07d		
	Do you remember in which year the ECG showed conspicuous findings for the first time?	x0hf07a, x0hf07b	 Year or age at that time	
x0hf08	Has a doctor ever told you that you have a heart failure?	x0hf08	□1 Yes □2 No □3 I don't know	end
	In which year was it diagnosed for the first time?	x0hf08a, x0hf08b	Year or age at that time	

# Cardiac arrhythmias

x0af02	Do you have atrial fibrillation?	x0af02	<u></u> 1	Yes	<u>2</u>	No	□3	I don't know	x0af07
	Was it diagnosed by a doctor?	x0af02a	<u></u> 1	Yes	<u></u> 2	No	□3	I don't know	x0af03
		x0af02b, x0af02c		Y	_ ear	_	or age at	that time	
	Were you or are you still treated by a doctor for this?	x0af02d	☐1 Yes, in the past ☐3 No ☐2 Yes, currently ☐4 I don't know						
x0af03	Do you experience discomfort during atrial fibrillation?	x0af03	_1	Yes	2	No	□3	I don't know	x0af04
x0af03a	Which?  Describe the other discomfort:	x0af03a x0af03b x0af03c x0af03d x0af03e x0af03f x0af03g x0af03h	Extra Wea Short	iness			Yes  1 1 1 1 1 1 1 1 1 1 1	No  O O O O O O O O O O O O O O O O O O	
x0af04	Is the atrial fibrillation chronic i.e. continuously, without a break?	x0af04	□1 □2	Yes 					x0af07
			□3	I don't kn	ow				x0af07
x0af05	How often do you have atrial fibrillation?	x0af05	□1 □2 □3 □4	Once a woodle	eek nonth				

x0af06	On average, how long does an attack of atrial fibrillation last?	x0af06	□1 □2 □3 □4	Seconds Minutes Hours Days					
x0af07	Had you have extrasystole, irregular heartbeat, tachycardia or cardiac flutter?	x0af07	1	Yes	<u>2</u>	No	□3	I don't know	x0af08
		x0af07a, x0af07b		Y	_  _ ear		 or age at	Lat time	
	Describe the type of cardiac arrhythmia	x0af07c							
x0af08	Have you undergone an electric shock therapy because of a cardiac arrhythmia?	x0af08	1	Yes	<u>2</u>	No	□3	I don't know	
x0af09	Do you have experienced a loss of consciousness with a cardiac arrest?	x0af09	1	Yes	<u>2</u>	No	□3	I don't know	x0af10
	Were you under physical or psychological stress at that time?	x0af09a	1	Yes		<u></u> 2	No		
x0af10	Have you ever been reanimated by a doctor, an ambulance man or another person?	x0af10	1	Yes	<u>2</u>	No	□3	I don't know	
x0af11	Are you carrier of a pacemaker or an implanted defibrillator?	x0af11	<b>□</b> 1	Yes	<u></u> 2	No	□3	I don't know	
x0af12	Have you or had you in the past any other diseases of the heart we did not mention yet?	x0af12	1	Yes			□2 N	0	end
	Describe the diseases of the heart as accurately as possible:	x0af12a							

#### Circulation<sup>1</sup>

x0ci01	Did a doctor <u>ever</u> say that you had claudication or peripheral arterial disease (poor blood flow to the legs or blocked or narrowed arteries to the legs)?  INT: Do not include varicose veins or phlebitis.	x0ci01	1	Yes	2	No	□3	I don't know	x0ci03
x0ci02	For the above condition have you ever had	x0ci02a x0ci02b		ography (dy oplasty (bal		<b>□</b> 1	es of the	Don't know e legs)?  3 blockage)?	
		x0ci02c		ery to impro de surgery			in your	□3 legs (do not	
x0ci03	Did you ever had varicous veins in the legs (excluding during pregnancy)?	x0ci03	<u></u> 1	Yes	□2	No	□3	I don't know	
x0ci04	Did you ever had phlebitis at superficial veins on the legs?	x0ci04	_1	Yes	<u></u> 2	No	□3	I don't know	
x0ci05	Has a doctor ever told you that you had pulmonary embolus or blood clots in your lungs?	x0ci05	<u></u> 1	Yes	<u></u> 2	No	□3	I don't know	
x0ci06	Has a doctor ever told you that you had deep venous thrombosis or blood clots in your legs?	x0ci06	<u></u> 1	Yes	<u>2</u>	No	□3	I don't know	end
	Have you ever been treated by a doctor or a nurse with shots at home or as an outpatient (usually followed by blood thinning medications such as Coumadin, Warfarin) for blood clots in the legs called deep vein thrombosis or DVT?	x0ci06a	<u></u> 1	Yes	<u></u> 2	No	□3	I don't know	
	Have you ever had outpatient test(s) performed for blood clots in the legs called deep vein thrombosis or DVT?	x0ci06b	<u></u> 1	Yes	<u></u> 2	No	□3	I don't know	

- PhenX Toolkit Peripheral Arterial Disease Protocol

https://www.phenxtoolkit.org/index.php?pageLink=browse.protocoldetails&id=40901 (last checked July 2012)

- PhenX Toolkit Pulmonary Embolism Protocol

https://www.phenxtoolkit.org/index.php?pageLink=browse.protocoldetails&id=41301 (last checked July 2012)

- PhenX Toolkit Deep Venous Thrombosis Protocol

https://www.phenxtoolkit.org/index.php?pageLink=browse.protocoldetails&id=41201 (last checked July 2012)

J:\5-5 New Research Initiatives\5-50 Vinschgau-Study\5-50-5 Study Phenotypes\CARDIO

<sup>&</sup>lt;sup>1</sup> Based on MICROS questionnaire and

### Stroke<sup>1</sup>

x0st21	Have you ever been told that you had a transient ischemic attack (TIA)?	x0st21	<u></u> 1	Yes	<u></u> 2	No	□3 I don't know	x0st00
	When? (Year)	x0st21a, x0st21b			_ ear	_	or age at that time	
	Describe the situation as accurately as possible:	x0st21c						
x0st00	Have you ever been told by a doctor that you had a stroke?	x0st00	1	Yes	<b>□</b> 2	No	□3 I don't know	x0st07
x0st06a	When did the first stroke occur?	x0st06a x0st06b			N	_ M M	_  .	
x0st07	Have you ever had any sudden loss or changes in speech lasting 24 hours or longer?	x0st07	<b>□</b> 1	Yes	<u>□</u> 2	No	□3 I don't know	x0st08
	Did the episode come on suddenly?	x0st07a	<u></u> 1	Yes		<u>2</u>	No	
x0st08	Have you ever had any sudden loss of vision, or blurring, lasting 24 hours or longer?	x0st08	<u></u> 1	Yes	<u>□</u> 2	No	□3 I don't know	x0st09
	Did the episode come on suddenly?	x0st08a	1	Yes		<u>2</u>	No	
x0st09	Have you ever had a sudden spell of double vision, which lasted 24 hours or longer?	x0st09	<u></u> 1	Yes	<u>□</u> 2	No	□3 I don't know	x0st10
x0st09a	If you closed one eye, did the double vision go away?		<u></u> 1	Yes				
		x0st09a	<u></u> 2	No				x0st10
			<u></u> 3	I do not kr	now			
	Did the episode come on suddenly?	x0st09b	<u></u> 1	Yes		<u>2</u>	No	
x0st10	Have you ever had sudden numbness, tingling, or loss of feeling on one side of your body, including your face, arm, or leg which lasted 24 hours or longer?	x0st10	<u></u> 1	Yes	<u>□</u> 2	No	□3 I don't know	x0st11

	Did the feeling of numbness or tingling occur only when you kept your arms or legs in a		_1	Yes					c02_043
	certain position?	x0st10a	<u>2</u>	No					
			□3	I don't kn	OW				
	Did the episode come on suddenly?	x0st10b	1	Yes		<u></u> 2	No		
x0st11	Have you ever had any sudden episode of paralysis or weakness on one side of your body, including your face, arm, or leg which lasted at least 24 hours?	x0st11	1	Yes	<u>2</u>	No	□3	I don't know	x0st12
	Did the episode come on suddenly?	x0st11a	1	Yes		<u>2</u>	No		
x0st12	Have you had any sudden spells of dizziness, loss of balance, or sensation of spinning which lasted 24 hours or longer?	x0st12	_1	Yes	<u></u> 2	No	□3	I don't know	end
	Did the dizziness, loss of balance or spinning sensation occur only when changing the position of your head or body?	x0st12a	_1	Yes	<u></u> 2	No	□3	I don't know	

<sup>&</sup>lt;sup>1</sup> based on Jackson Heart Study (JHS). Stoke Symptoms Form. Version A. December 7, 2000.: <a href="https://www.phenxtoolkit.org/index.php?pageLink=browse.protocoldetails&id=130301">https://www.phenxtoolkit.org/index.php?pageLink=browse.protocoldetails&id=130301</a>

J:\5-5 New Research Initiatives\5-50 Vinschgau-Study\5-50-5 Study Phenotypes\NEURO\Stroke (last checked July 2012)

Neurology

x0ne09	Has a doctor ever told you that you have epilepsy?	x0ne09	_1	Yes	<u>□</u> 2	No	□3	I don't know	x0ne10
	In which year was epilepsy diagnosed for the first time?	x0ne09a, x0ne09b		_	_  _ Year	_	or age a	 t that time	
x0ne10	Has a doctor ever told you that you have febrile seizures (mostly as a child)?	x0ne10	_1	Yes	<u>2</u>	No	□3	I don't know	x0ne02
	In which year was febrile seizures diagnosed for the first time?	x0ne10a, x0ne10b		_	_  _ Year		 or age a	 t that time	
x0ne02	Do you have uncontrollable tremor?	x0ne02	_1	Yes	<u>□</u> 2	No	□3	I don't know	x0pk01
	Was it diagnosed by a doctor?	x0ne02a	_1	Yes	<b>□</b> 2	No	□3	I don't know	x0ne03
	When? (Year)	x0ne02b, x0ne02c		_	_  _ Year	_	or age a	L that time	
	Were you or are you still treated by a doctor for this?	x0ne02d	□1 □2	Yes, in	-	:	□3 □4	No I don't know	
x0ne03	Where do you tremble (arms, legs, head):	x0ne03a							
	Do you tremble at rest? (e.g. when you are sitting on the couch watching TV)	x0ne03b	_1	Yes		<u></u> 2	No		
	Do you tremble in movement/ certain postures? (e.g. when you hold a cup, a glass or a spoon for the soup)	x0ne03c	_1	Yes		<u></u> 2	No		
x0pk01 <sup>1</sup>	Do you or did you have trouble arising from a chair?	x0pk01	_1	Yes	<u>2</u>	No	□3	I don't know	
x0pk02 <sup>1</sup>	Is your handwriting smaller than it once was?	x0pk02	<b>□</b> 1	Yes	<u>2</u>	No	□3	I don't know	
x0pk03 <sup>1</sup>	Has anyone told you that your voice is softer than in once was?	x0pk03	<u></u> 1	Yes	<u></u> 2	No	□3	I don't know	
x0pk04 <sup>1</sup>	Is or was your balance poor?	x0pk04	<b>□</b> 1	Yes	<u></u> 2	No	□3	I don't know	

Do your feet even seem to get stuck to the floor?	x0pk05	<b>□</b> 1	Yes	<u>2</u>	No	□3	I don't know	
Has anyone told you that your face seems less expressive than it once was?	x0pk06	<u></u> 1	Yes	<u>2</u>	No	□3	I don't know	
Do your arms or legs shake?	x0pk07	<u></u> 1	Yes	<u></u> 2	No	□3	I don't know	
Do you have trouble fastening buttons?	x0pk08	<u></u> 1	Yes	<u></u> 2	No	□3	I don't know	
Do you shuffle or take small steps when you walk?	x0pk09	<u></u> 1	Yes	<u>2</u>	No	□3	I don't know	
Has anyone ever told you that you have Parkinson's disease?	x0pk10	<u></u> 1	Yes	<u>2</u>	No	□3	I don't know	
Have you ever taken drugs such as Sinemet or Madopar?	x0pk11	_1	Yes	<u></u> 2	No	□3	I don't know	
Did you notice forgetfulness (also orientation problems)? e.g. loose the way on known routes	x0ne06	□1	Yes	□2	No	□3	I don't know	x0ne07
Was it diagnosed by a doctor?	x0ne06a	<u></u> 1	Yes	□2	No	□3	I don't know	x0ne07
Since when? (Year)	x0ne06b, x0ne06c		_	_   Year		or age a	 at that time	
Were you or are you still treated by a doctor for this?	x0ne06d	□1 □2		•	t	□3 □4	No I don't know	
Has a doctor ever told you that you have multiple sclerosis?	x0ne07	_1	Yes	<u>2</u>	No	□3	I don't know	x0ne08
In which year was multiple sclerosis diagnosed for the first	x0ne07a, x0ne07h		_	_  . Year	[	<u> </u>	_	
time?	X011007.5			Teal		or age a	at that time	
Do you suffer from paraesthesias or (burning) pain in the hand?	x0ne08	<u></u> 1	Yes		No	or age a	I don't know	x0ne21
Do you suffer from paraesthesias or (burning) pain		<u></u> 1	Yes		No	3 		x0ne21
	Has anyone told you that your face seems less expressive than it once was?  Do your arms or legs shake?  Do you have trouble fastening buttons?  Do you shuffle or take small steps when you walk?  Has anyone ever told you that you have Parkinson's disease?  Have you ever taken drugs such as Sinemet or Madopar?  Did you notice forgetfulness (also orientation problems)? e.g. loose the way on known routes  Was it diagnosed by a doctor?  Since when? (Year)  Were you or are you still treated by a doctor for this?  Has a doctor ever told you that you have multiple sclerosis?  In which year was multiple sclerosis diagnosed for the first	Has anyone told you that your face seems less expressive than it once was?  Do your arms or legs shake?  Do you have trouble fastening buttons?  Do you shuffle or take small steps when you walk?  Has anyone ever told you that you have Parkinson's disease?  Have you ever taken drugs such as Sinemet or Madopar?  Did you notice forgetfulness (also orientation problems)? e.g. loose the way on known routes  Was it diagnosed by a doctor?  Were you or are you still treated by a doctor for this?  None06d  Has a doctor ever told you that you have multiple sclerosis?  In which year was multiple sclerosis diagnosed for the first  x0pk07  x0pk08  x0pk09  x0pk09  x0pk09  x0pk10  x0pk10  x0pk10  x0pk10  x0pe06  x0ne06  x0ne06  x0ne06  x0ne06  x0ne06  x0ne07	Stuck to the floor?  Has anyone told you that your face seems less expressive than it once was?  Do your arms or legs shake?  Do you have trouble fastening buttons?  Do you shuffle or take small steps when you walk?  Has anyone ever told you that you have Parkinson's disease?  Have you ever taken drugs such as Sinemet or Madopar?  Did you notice forgetfulness (also orientation problems)? e.g. loose the way on known routes  Was it diagnosed by a doctor?  Was it diagnosed by a doctor?  Were you or are you still treated by a doctor for this?  None06d  Were you or are you still treated by a doctor ever told you that you have multiple sclerosis?  In which year was multiple sclerosis diagnosed for the first youne07b, wone07b, wone07b	Stuck to the floor?  Has anyone told you that your face seems less expressive than it once was?  Do your arms or legs shake?  Do you have trouble fastening buttons?  Do you shuffle or take small steps when you walk?  Has anyone ever told you that you have Parkinson's disease?  Have you ever taken drugs such as Sinemet or Madopar?  Did you notice forgetfulness (also orientation problems)? e.g. loose the way on known routes  Was it diagnosed by a doctor?  Were you or are you still treated by a doctor for this?  None06d  Were you or are you still treated by a doctor ever told you that you have multiple sclerosis?  In which year was multiple sclerosis diagnosed for the first youndres  Xopk07  xopk09  These  xopk09  These  xopk09  These  xopk10  These	Stuck to the floor?  Has anyone told you that your face seems less expressive than it once was?  Do your arms or legs shake?  Do you have trouble fastening buttons?  Do you shuffle or take small steps when you walk?  Has anyone ever told you that you have Parkinson's disease?  Have you ever taken drugs such as Sinemet or Madopar?  Did you notice forgetfulness (also orientation problems)? e.g. loose the way on known routes  Was it diagnosed by a doctor?  Were you or are you still treated by a doctor for this?  None06d  Were you or are you still treated by a doctor ever told you that you have multiple sclerosis?  In which year was multiple sclerosis diagnosed for the first youn or seems with the first wone of the property of t	Stuck to the floor?  Has anyone told you that your face seems less expressive than it once was?  Do your arms or legs shake?  Do you have trouble fastening buttons?  Do you shuffle or take small steps when you walk?  Has anyone ever told you that you have Parkinson's disease?  Did you notice forgetfulness (also orientation problems)? e.g. loose the way on known routes  Was it diagnosed by a doctor?  Were you or are you still treated by a doctor for this?  Stopk09  The	Stuck to the floor?  Has anyone told you that your face seems less expressive than it once was?  Do your arms or legs shake?  Do you have trouble fastening buttons?  Do you shuffle or take small steps when you walk?  Has anyone ever told you that you have Parkinson's disease?  Apk000	Stuck to the floor?  Has anyone told you that your face seems less expressive than it once was?  Do you have trouble fastening buttons?  Do you shuffle or take small steps when you walk?  Has anyone ever told you that you have Parkinson's disease?  Have you ever taken drugs such as Sinemet or Madopar?  Did you notice forgetfulness (also orientation problems)? e.g. loose the way on known routes  Was it diagnosed by a doctor?  Were you or are you still treated by a doctor for this?  XOpk07

x0ne21e	Describe the neurologic disease as accurately as possible:	x0ne21e		
	Was it diagnosed by a doctor?	x0ne21a	□1 Yes □2 No □3 I don't know	x0ne22
	When? (Year)	x0ne21b, x0ne21c	Year or age at that time	
	Were you or are you still treated by a doctor for this?	x0ne21d	☐1 Yes, in the past ☐3 No ☐2 Yes, currently ☐4 I don't know	
x0ne22	Have you any other neurologic diseases we did not mention yet?	x0ne22	□1 Yes □2 No	end
x0ne22e	Describe the neurologic disease as accurately as possible:	x0ne22e		
	Was it diagnosed by a doctor?	x0ne22a	□1 Yes □2 No □3 I don't know	end
	When? (Year)	x0ne22b, x0ne22c	 Year or age at that time	
	Were you or are you still treated by a doctor for this?	x0ne22d	☐1 Yes, in the past ☐3 No ☐2 Yes, currently ☐4 I don't know	

<sup>&</sup>lt;sup>1</sup> Pramstaller PP. et al. Validation of a mail questionnaire for parkinsonism in two languages (German and Italian). J Neurol. 1999 Feb;246(2):79-86.

J:\5-5 New Research Initiatives\5-50 Vinschgau-Study\5-50-5 Study Phenotypes\NEURO\PD-ET

# Migraine

x0mg01	Have you had migraine (attack- like headaches) within the last 12 months?	x0mg01	□1 Yes □2 No □3 I don't know end
x0mg02a	How often have you had headache within the last 3 months?	x0mg02a	<ul> <li>☐ 1 Rarely or never (max. 1 day per month)</li> <li>☐ 2 Occasionally (from 2 to 4 days per month)</li> <li>☐ 3 Frequently (from 5 to 15 days per month)</li> <li>☐ 4 Chronically (more than 15 days per month)</li> </ul>
x0mg04	How long does your headache last if you do not take drugs or if the treatment has no effect?	x0mg04	<ul> <li>□1 Up to 30 minutes</li> <li>□2 More than 30 minutes up to 4 hours</li> <li>□3 More than 4 hours up to 3 days</li> <li>□4 More than 3 up to 7 days</li> <li>□5 More than 7 days</li> <li>□6 Don't Know</li> </ul>
x0mg05	Please indicate whether the following headache characteristics apply to you or do not.  Do you have a headache	x0mg05 x0mg06 x0mg07 x0mg08	Yes No  which is limited to one side of the head? □1 □2  that occurs on both sides of the head? □1 □2  with pulsating or throbbing quality? □1 □2  with a dull, oppressive quality? □1 □2
x0mg05	Please indicate whether the following headache characteristics apply to you or do not.  Do you have a headache	x0mg09 x0mg10 x0mg11 x0mg12	Yes No  that occurs suddenly at a single point of the head and lasts only few seconds?

x0mg05	Please indicate whether the following headache characteristics apply to you or do not.  Do you have a headache  Please indicate whether the following headache characteristics apply to you or do not.  Do you have a headache	x0mg13 x0mg14 x0mg15 x0mg16 x0mg17 x0mg17	Yes No  accompanied by vomiting?	
x0mg21	How many years have you been suffering from headaches?	x0mg21		
x0mg22	How would you rate the intensity of your headaches on average?	x0mg22	☐1 ☐2 ☐3 ☐4 ☐5 ☐6 ☐7 ☐8 ☐9 ☐10 1 = very weak pain 10 = very severe pain	

#### Pain<sup>1</sup>

x0pn00	Do you suffer from recurrent pain in general (excluding headache) for more than 6 months?	sv00	□1 Yes	<u></u> 2	No		end
x0pn01	Do you suffer from back pain?	sv01	□1 Yes	□2	No		x0pn11
x0pn05a	Localisation of the pain (see image)				Yes	No	
		sv01a_1	lumbar		<b>□</b> 1	<u> </u>	
		sv01a_2	thoracic		<b>□</b> 1	<u> </u>	
		sv01a_3	cervical		<b>□</b> 1	<u>2</u>	
x0pn06a	Does the pain radiate into the leg or into the arm?				Yes	No	
		sv01b_1	Leg		<u></u> 1	<u> </u>	
		sv01b_2	Arm		<u> </u>	<u>2</u>	
x0pn02a	Since when is the back pain present?	sv01c_1	Months				
	present:	sv01c_2	Years				
	Frequency in days/month or days/year	sv01c_3	     Days/Month	1			
		sv01c_4	Days/Year				
	Intensity	sv01c_5	☐1 ☐2 ☐3 ☐4 ☐5 1 = very weak pain		□7 □8 [ = very seve		
x0pn11	Do you suffer from joint pain?	sv03_1	□1 Yes	<u>2</u>	No		x0pn21
	Present since: (months)	sv03_2	    _ Months				
	Present since: (years)	sv03_3	Years				
	Frequency in days/month or days/year	sv03_4	     Days/Month	1			
		sv03_5	Days/Year				
x0pn14	How strong is the joint pain?	sv03a_1	☐1 ☐2 ☐3 ☐4 ☐5 1 = very weak pain		□7 □8 [ = very seve	⊒9 □10 ere pain	
	Which joints are affected?	sv03a_2					

x0pn21	Do you suffer from other pain (e.g. abdominal pain, menstrual cramps, toothache)?	sv04_1	□1 Yes	□2 No	x0pn30
	Present since: (months) Present since: (years)	sv04_2 sv04_3	_   Months   _   Years		
	Frequency in days/month or days/year	sv04_4 sv04_5	Days/Month		
x0pn24	Intensity of the pain	sv04a_1		☐6	
	Description/localisation:	sv04a_2			
x0pn30	Which is the main pain?	sv05			
x0pn31	How big is the impairment of daily life caused by the pain(s)?	sv06	☐1 ☐2 ☐3 ☐4 ☐5 1 = no impairment	☐6 ☐7 ☐8 ☐9 ☐10 10 = very high impairment	

<sup>&</sup>lt;sup>1</sup> Erhebungsbogen Schmerz-Vorgeschichte (strukturiertes Interview)

#### Other diseases

x0ot01	Have you ever had an accident with injuries? e.g. accident at work, road accident	x0ot01	□1 Yes □2 No □3 I don't know	x0ot11
x0ot01a	Description of the injury:	x0ot01a		
	When? (Year)	x0ot01b, x0ot01c	 Year or age at that time	
	Have you had another accident with injuries?	x0ot02	□1 Yes □2 No	x0ot11
x0ot02a	Description of the injury:	x0ot02a		
	When? (Year)	x0ot02b, x0ot02c	 Year or age at that time	
	Have you had another accident with injuries?	x0ot03	□1 Yes □2 No	x0ot11
x0ot03a	Description of the injury:	x0ot03a		
	When? (Year)	x0ot03b, x0ot03c	 Year or age at that time	
	Have you had another accident with injuries?	x0ot04	□1 Yes □2 No	x0ot11
x0ot04a	Description of the injury:	x0ot04a		
	When? (Year)	x0ot04b, x0ot04c	 Year or age at that time	
x0ot11	Have you any other disease we did not mention yet, which was diagnosed by a doctor?	x0ot11	□1 Yes □2 No □3 I don't know	x0ot21
x0ot11a	Describe the disease as precisely as possible:	x0ot11a		
	Since when? (Year)	x0ot11b, x0ot11c	 Year or age at that time	
	Have you any other disease we did not mention yet, which was diagnosed by a doctor?	x0ot12	□1 Yes □2 No	x0ot21

x0ot12a	Describe the disease as precisely as possible:	x0ot12a				
	Since when? (Year)	x0ot12b, x0ot12c		_ _  Year	or age at that time	
	Have you any other disease we did not mention yet, which was diagnosed by a doctor?	x0ot13	_1	Yes	□2 No	x0ot21
x0ot13a	Describe the disease as precisely as possible:	x0ot13a				
	Since when? (Year)	x0ot13b, x0ot13c		_ _  Year	or age at that time	
	Have you any other disease we did not mention yet, which was diagnosed by a doctor?	x0ot14	_1	Yes	□2 No	x0ot21
x0ot14a	Describe the disease as precisely as possible:	x0ot14a				
	Since when? (Year)	x0ot14b, x0ot14c		_ _  Year	or age at that time	
	Have you any other disease we did not mention yet, which was diagnosed by a doctor?	x0ot15	_1	Yes	□2 No	x0ot21
x0ot15a	Describe the disease as precisely as possible:	x0ot15a				
	Since when? (Year)	x0ot15b, x0ot15c		_ _  Year	or age at that time	
	Have you any other disease we did not mention yet, which was diagnosed by a doctor?	x0ot16	<u></u> 1	Yes	□2 No	x0ot21
x0ot16a	Describe the disease as precisely as possible:	x0ot16a				
	Since when? (Year)	x0ot16b, x0ot16c		_ _  Year	or age at that time	
	Have you any other disease we did not mention yet, which was diagnosed by a doctor?	x0ot17	<u></u> 1	Yes	□2 No	x0ot21
x0ot17a	Describe the disease as precisely as possible:	x0ot17a				

	Since when? (Year)	x0ot17b, x0ot17c		<u>  _</u>	_  _  Year	or age at that time	
	Have you any other disease we did not mention yet, which was diagnosed by a doctor?	x0ot18	<u></u> 1	Yes		□2 No	x0ot21
x0ot18a	Describe the disease as precisely as possible:	x0ot18a					
	Since when? (Year)	x0ot18b, x0ot18c		<u>  _</u>	_  _  Year	_  or age at that time	
	Have you any other disease we did not mention yet, which was diagnosed by a doctor?	x0ot19	_1	Yes		□2 No	x0ot21
x0ot19a	Describe the disease as precisely as possible:	x0ot19a					
	Since when? (Year)	x0ot19b, x0ot19c		<u>  _</u>	_  _  Year	_  or age at that time	
	Have you any other disease we did not mention yet, which was diagnosed by a doctor?	x0ot20	<u></u> 1	Yes		□2 No	x0ot21
x0ot20a	Describe the disease as precisely as possible:	x0ot20a					
	Since when? (Year)	x0ot20b, x0ot20c		<u>  _</u>	_  _  Year	_  or age at that time	
x0ot21	Did you have any surgery we did not mention yet?	x0ot21	<b>□</b> 1	Yes	□2 No	☐3 I don't know	end
x0ot21a	What type of surgery did you have?	x0ot21a					
	When? (Year)	x0ot21b, x0ot21c		_	_  _  Year	_  or age at that time	
	Did you have any other surgery we did not mention yet?	x0ot22	□1	Yes		□2 No	end
x0ot22a	What type of surgery did you have?	x0ot22a					
	When? (Year)	x0ot22b, x0ot22c		<u>  _</u>	_  _  Year	_  or age at that time	

	Did you have any other surgery we did not mention yet?	x0ot23	□1 Yes □2 No	end
x0ot23a	What type of surgery did you have?	x0ot23a		
	When? (Year)	x0ot23b, x0ot23c	 Year or age at that time	
	Did you have any other surgery we did not mention yet?	x0ot24	□1 Yes □2 No	end
x0ot24a	What type of surgery did you have?	x0ot24a		
	When? (Year)	x0ot24b, x0ot24c	 Year or age at that time	
	INT: Now stop the recording.			

### Algometer

With this test we will assess your sensibility to pressure pain. In a moment, I will press this pressure measuring instrument on the tip of your finger. This will cause initially a feeling of pressure; eventually, the pressure will be painful. Please, say immediately "Stop" when you feel no longer only pressure but, in addition, pain. Do not wait until the pain becomes unbearable but rather say "Stop" just in the moment when you start feeling pain. Now, I will show it to you on the middle finger. Then, we will carry out the actual measurement on the index finder.					
Insert the value in kg	algo_1		_  .  _	_	
The measurement was carried out on the following index finger:	algo_2	□1 left	☐2 right		

# **Family**

	The next questions are about your parents and grandparents.					
	When were you born?	_ . _ . _ . _ _  DD MM YYYY				
fh01	What is the name and surname of your mother?					
	Where does she come from? (place)					
	When is she born? (date) Or: year of birth (if the exact date is unknown)	.      .     D D M M YYYY Year   _	ı			
fh02	What is the name and surname of your mother's mother? (maternal grandmother)					
	Where does she come from? (place)		l			
	When is she born? (date) Or: year of birth (if the exact date is unknown)	·      ·         YYYY  Year				
fh03	What is the name and surname of your mother's father? (maternal grandfather)					
	Where does he come from? (place)		l			
	When is he born? (date) Or: year of birth (if the exact date is unknown)	_  ·      ·       D D M M YYYY Year   _				
fh04	What is the name and surname of your father?					
	Where does he come from? (place)					
	When is he born? (date) Or: year of birth (if the exact date is unknown)	_  .    .   _  .   _  YYYY  Year   _				
fh05	What is the name and surname of your father's mother? (paternal grandmother)					

	Where does she come from? (place)		
	When is she born? (date) Or: year of birth (if the exact date is unknown)	.   _  .   _ _  D D M M YYYY Year   _ _	
fh06	What is the name and surname of your father's father? (paternal grandfather)		
	Where does he come from? (place)		
	When is he born? (date) Or: year of birth (if the exact date is unknown)	.   _  .   _ _  D D M M YYYY Year   _ _	