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Version in use since 2013-11-21 Version used until - - -

#### LAST CHANGES:

Until 2014-05-16 the Nutrition + Alcohol module (DAIMON) was still in use; since 2014-05-19 the reduced Alcohol module in LimeSurvey is applied. Nutition is assessed by a paper-based self-administrated FFQ since 2014-05-05.

2014-09-01: Introduction of MMSE + Sniffin'Sticks

2014-09-01: Revision of the logic in "Angina pectoris" module

2015-04-16: x0\_opint and x0\_opint2 (add new study assistant "SaS"); x0bl12 and x0th12b (correct typos German)

# Administration

	First of all, do you agree to the recording of the interview? This is important for the quality control.					
x0_opint	Int: Please insert your name		□ вук			
			☐ GrB			
			□ GuR			
		x0_opint	□ LiB			
			☐ MoL			
			□ ObT			
			☐ PaL			
			□TeR			
			☐ SaS			
		x0_opinta	Other			

# Person - Birth

x0_sex	(Sex)	x0_sex	□1 Male □2 Female	
x0_birthd	When were you born?	x0_birthd	.      .    YYYY	
x0pe05	Where did your family live when you were born?	x0pe05a x0pe05b x0pe05c	Place Province Country	

# **Person - Family**

			ii i diiiiiy	
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>x0pe06</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	
х0ре06	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	_

# **Person - Education**

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

Осс	upation	- Employment		
The next questions are about you	ur occupation	).		
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	
Occupation - Current				
Have you been employed or self-employed before?	x0oc01	□1 Yes □2 No	if age =< 75 x0oc10 if age > 75 x0oc13	
Until when have you been regularly employed?	x0oc01a	Year	if age > 75 <b>x0oc13</b>	
	The next questions are about you Are you employed at the moment?  Which is the address of your current workplace?  Continuous the property of	The next questions are about your occupation  Are you employed at the moment?  Which is the address of your current workplace?  Occupati  Have you been employed or self-employed before?  Until when have you been	moment?  x0oc00	

		ooapat.		
x0oc01	Have you been employed or self-employed before?	x0oc01	□1 Yes □2 No if	age =< 75 <b>x0oc10</b> age > 75 <b>x0oc13</b>
x0oc01a	Until when have you been regularly employed?	x0oc01a		age > 75 <b>x0oc13</b>
x0oc10	Are you at the moment?		☐1 Unemployed	
		x0oc10	<ul><li>☐5 In education or retraining</li><li>☐6 in maternity protection, parental leave or other</li></ul>	00c01= 1 <b>x0oc13</b> 00c01= 2 <b>x0rh01</b>
x0oc11	Since when are you unemployed without interruption?	x0oc11a, x0oc11b	_ . . _ _ _  MM YYYY	
x0oc13	Do you receive or did you received in the past a pension for reduced working capacity?	x0oc13	if.	<b>x0oc02</b> x0oc01 = 2 <b>x0rh01</b>

x0oc13	Since when have you received this pension?	x0oc13a	From (year)	# v0o o04 0
	Until when have you received this pension?	x0oc13b	To (year)   _ _	if x0oc01= 2 <b>x0rh01</b>
	Or until now	x0oc13c	□1 Until now □2 {No}	
		Occupa	ation - Past	
x0oc02	Which profession / occupation have you carried out for a least 1 year?		☐1 Farmer ☐2 Office employee ☐3 Electrician	
		x0oc02a	<ul> <li>□4 Building industry</li> <li>□5 Hotel/restaurant industry</li> <li>□6 Waiter/barista/chef</li> <li>□7 Nurse/doctor</li> <li>□8 Teacher</li> <li>□9 Mechanic</li> <li>□10 Carpenter</li> </ul>	
		x0oc02b	Other	
	Since when have you carried out this occupation? Until when have you carried out this occupation? Or until now	x0oc02c x0oc02d	From (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)	
	Since when have you carried out this occupation?	x0oc03c	From (year)	

To (year)

☐1 Yes

☐1 Until now

☐2 {No}

☐2 No

x0oc08

x0oc03d

x0oc04

Until when have you carried out

Have you carried out another

profession / occupation for a

this occupation?

Or until now

least 1 year?

х0ос04	Which?	x0oc04a	□1 □2 □3 □4 □5 □6 □7 □8 □9 □10 (as above)	
		x0oc04b	Other	
	Since when have you carried out this occupation?	x0oc04c	From (year)	
	Until when have you carried out this occupation?	x0oc04d	To (year)	
	Or until now		☐1 Until now ☐2 {No}	
	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 □6 □7 □8 □9 □10 (as above)	
		x0oc05b	Other	
	Since when have you carried out this occupation?	x0oc05c	From (year)   _ _	
	Until when have you carried out this occupation?	x0oc05d	To (year)	
	Or until now		☐1 Until now ☐2 {No}	
	Have you carried out another profession / occupation for a least 1 year?	x0oc06	□1 Yes □2 No	x0oc08
x0oc06	Which?	x0oc06a	□1 □2 □3 □4 □5 □6 □7 □8 □9 □10 (as above)	
		x0oc06b	Other	
	Since when have you carried out this occupation?	x0oc06c	From (year)   _ _	
	Until when have you carried out this occupation?	x0oc06d	To (year)   _ _	
	Or until now		☐1 Until now ☐2 {No}	
	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 □6 □7 □8 □9 □10 (as above)	
		x0oc07b	Other	

	Since when have you carried out this occupation? Until when have you carried out this occupation? Or until now	x0oc07c x0oc07d	From (year)        To (year)   _      1 Until now	
x0oc08	How would you rate your profession or regular occupation?	x0oc08	<ul> <li>☐1 Heavy physical activity</li> <li>☐2 Medium heavy physical activity</li> <li>☐3 Light physical activity</li> <li>☐4 No physical activity</li> </ul>	

# Residence

	Until now, where have you lived for	or at least 1 year	? (place)							
	(x0rh01a / x0rh02a / x0rh03a / x0 x0rh10a)	rh04a / x0rh05a /	/ x0rh06a / x0rh07a / x0rl	h08a / x0rh09a /						
	From (year)									
	(x0rh01b / x0rh02b / x0rh03b / x0 x0rh10b)	rh04b / x0rh05b /	/ x0rh06b / x0rh07b / x0rl	h08b / x0rh09b /						
	To (year)									
	(x0rh01c / x0rh02c / x0rh03c / x0rh04c / x0rh05c / x0rh06c / x0rh07c / x0rh08c / x0rh09c / x0rh10c)									
	Do you have lived in another place for at least 1 year?									
	(x0rh02 / x0rh03 / x0rh04 / x0rh0	5 / x0rh06 / x0rh	07 / x0rh08 / x0rh09 / x0i	rh10)						
	Place	From (year)	To (year) /Until now	Other place?						
				Yes No						
x0rh01			🗆1	□1 □2 <del>□</del>	•					
x0rh02			🗆1	□1 □2 <del>□</del>	,					
x0rh03			_ _ _  🗆1	□1 □2 <del>□</del>	,					
x0rh04			_ _ _  🗆1	□1 □2 <del>□</del>	,					
x0rh05			_ _ _  🗆1	□1 □2 <b>□</b>	end					
x0rh06			_ _ _  🗆1	□1 □2 <del>□</del>	•					
x0rh07			🗆1	□1 □2 <del>□</del>	,					
x0rh08			🗆1	□1 □2 <b>□</b>	•					
x0rh09			🗆1	□1 □2 □	>					
x0rh10			🗆1							

# **Exposure - Garden**

		-						
	The next questions are about exp	posure to en	vironm	ental risk factors.				
x0ex10	Do you do gardening (also allotment garden)?	x0ex10	_1	Yes	<u></u> 2	No	x0ex12	
x0ex11	Do you use pesticides? (insecticides, herbicides, fungicides)	x0ex11	_1	Yes	<u>2</u>	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				
Exposure - Indoor								
x0ex12	Do you use or did you use insecticides in your habitation? (e.g. repellent, electric diffuser with plates)	x0ex12	_1	Yes	<u>2</u>	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	_1	Yes	<u>2</u>	No	x0ex21	
x0ex13a	How often do you use these substances?		<b>□</b> 1	More than once a y	/ear			

x0ex13a

☐2 Approximately once a year

☐3 Less than once a year

# Exposure – Work/Hobbies

x0ex21	Does your work or your hobbies			Yes	No	
	expose you FREQUENTLY to the following substances?	x0ex21	Detergent, disinfectant	☐1	□2	
		xuexzı	Detergent, disinfectant			
		x0ex22	Engine exhaust	<u></u> 1	<b>□</b> 2	
		x0ex23	Wood dust	<b>□</b> 1	<u> </u>	
		x0ex24	Grain dust	<u> </u>	<u> </u>	
		x0ex25	Glass wool/mineral wool	<u> </u>	<u> </u>	
		x0ex26	Asbestos	<u> </u>	<u> </u>	
		x0ex27	Metals (nickel, chromium, iron, steel)	<b>□</b> 1	<u></u>	
		x0ex28	Heavy metals (lead, cadmium, mercury) or arsenic	<u></u> 1	<u>2</u>	
		x0ex29	Solvents (e.g. PER, TRI) or paint	<u></u> 1	<u>2</u>	
		x0ex30	Petroleum products (gasoline, diesel, tar)	<b>□</b> 1	<u></u>	
		x0ex31	X-rays/ microwaves/ radioactive materials	<u></u> 1	<u>2</u>	
		x0ex32	Pesticides	<u></u> 1	<u> </u>	
x0ex20	Are you exposed to heavy noise at your workplace?	x0ex20	□1 Yes □2 I	No		

	E	sirtn' - i	Birth weight	
	The next questions are about you	ur birth and o	development.	
x0bi01a	Do you know your exact birth weight?	x0bi01a	☐1 Exactly ☐2 Approximately	
			☐3 I do not know	x0bi03
	What was your birth weight?	x0bi01	In grams	
	Birth	¹ - Preg	nancy duration	
x0bi03	Are you born preterm or postterm?		1 Preterm birth	
		x0bi03	☐2 Normal	x0bi04
			☐3 Postterm birth	
			☐4 I do not know	
x0bi02a	Do you know exactly in which week of pregnancy your mother was when you were born?	x0bi02a	☐1 Exactly ☐2 Approximately	
			☐3 I do not know	x0bi04
	For how many weeks was your mother pregnant until you were born?	x0bi02	In weeks	
		Birth	n¹ - Birth	
x0bi04	How were you born?		☐1 Normal birth	
		x0bi04	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?		☐1 I was not breastfed ☐2 I was breastfed, but I do not know for how long	
			☐3 Up to 2 weeks	
		v0bi0E	☐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 - Menarche

		VOITICIT	- Menarche	
	The next questions are directed and women's health e.g. on preg		women. These are questions on reproductive history xual hormone use etc.	if male <b>end</b>
x0wo01	Do you know the age when you had at your first menstruation (menarche)?		□0 Yes	
		x0wo01	☐1 I have not had my period so far ☐2 I don't know	x0wo03
	How old were you at your first menstruation (menarche)?	x0wo01a	Age (Years)   _	
	Wo	omen - (	Contraception	
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>
	V	Vomen	- Pregnancy	
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	<u>   </u>	
	<b>INT:</b> Definition stillbirth: Birth of a dead foetus after a pregnancy of at least 28 weeks (or 7 months).			

# **Women - Menstruation**

x0wo06	Do you still have regular menstrual bleedings?	x0wo06	□1 Yes	end
			□2 No	
			□3 I don't know	end
	When did you have your last menstruation? (Age)	x0wo07	Age (Years)   _	
x0wo08	What was the reason for the menstruation cease?		☐1 Menopause	
		x0wo08	☐2 Operation ☐3 Other reason	end
	Please specify	x0wo08a		
x0wo09	Do you take hormones replacement preparations at the moment (estrogens or	x0wo09	□1 Yes	x0wo11
	gestagens, i.e. sexual hormone preparations especially for women except the birth-control		☐2 No	
pill, e.g., in the form of tablets, ointments, plasters or injections)?			☐3 I don't know	x0wo11
x0wo10	Have you ever taken any hormone replacement therapy?	x0wo10	□1 Yes □2 No □3 I don't know	end
x0wo11	How many years have you taken these hormone preparations all together?	x0wo11a x0wo11b	Number of years     Number of months if less than 1 year	

# **Nutrition (DAIMON)**

In use until 2014-05-16

	How often do you eat the following 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	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	3	4	5	<u></u> 6					
x0fd05	Potatoes	1	2	З	<u></u> 4	5	<u>6</u>					
x0fd06	Pasta	1	2	3	4	5	6					
x0fd07	How often do you eat the following 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	З	4	5	<u></u> 6					
x0fd08	Salad or vegetable, raw	1	2	3	4	5	<u>6</u>					
x0fd09	Vegetable, cooked	1	2	З	4	5	<u>6</u>					
x0fd10	Fresh fruit	1	2	З	<u></u> 4	5	<u>6</u>					
x0fd11	Chocolate, chocolates	1	2	З	4	5	<u>6</u>					
x0fd12	Cakes, pastries, biscuits	1	2	3	4	5	6					
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)	<u> </u>	2	З	<u></u> 4	5	<u></u>					
x0fd14	Salted snacks such as salted peanuts, crisps, and others	<b>□</b> 1	2	Пз	<b>□</b> 4	5	∏ <sub>6</sub>					
x0fd15	White bread, brown bread, toast bread	 1					— П <sub>6</sub>					
x0fd16	Whole grain bread, black bread, crisp bread	1		$\square_3$	<u> </u>	5	 					
x0fd17	Flaked oats, muesli, cornflakes	1		3		5						
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	<b>□</b> 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	<b>□</b> 2	No		3 Ido	n'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	<b>□</b> 1	Child						
		XOIGOZD	□2	Teenage	r					
			□3	Adult						
	Do you drink regularly black tea at the moment? (at least once a month)	x0fd32c	<u>2</u>	No			□1 Ye	S		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 ho	_ ow many	 years		
x0fd32f	How many cups of black tea do you normally drink or have you drunk during a day?	x0fd32f							<u>  _</u>	
x0fd33	Have you ever drunk filter coffee one or more times per month for at least 6 months in your lifetime? (except decaffeinated)		<u></u> 1	Yes	<b>□</b> 2	No		3 I do	n'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	<b>□</b> 1	Child						
		XUIUSSD	<u>2</u>	Teenage	r					
			□3	Adult						
	Do you drink regularly filter coffee at the moment? (at least once a month)	x0fd33c	□2	No			□1 Ye	s		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	_	or ho	 ow 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 (DAIMON)

In use until 2014-05-16

x0al00	Have you ever drunk alcoholic drinks?	x0al00	<u></u> 1	Yes	<u></u> 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	J		 x0al05a
		x0al01	□4 □5 □6 □7	<ul><li>2-4 times per mont</li><li>2-3 times per week</li><li>4 or more times pe</li><li>Daily</li></ul>		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	t 12 m t 12 m st 12 r e a mo h	onths onths nonths	

	T		I			
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 l) White wine or sparkling wine (not 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 l) White wine or sparkling wine (not glasses a 0.125 l) Red wine (number of 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)	) umber 0.125 l)    _ r asses a ) umber 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 physician 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	 age at	 that time	

x0al07a When did you stop drinking regularly alcohol?	x0al07a, x0al07b	_ _     Year or age at that time	
-------------------------------------------------------	---------------------	-------------------------------------	--

# Alcohol

In use since 2014-05-19

	Next I would like to ask you some	e questions a	about s	moking and passive	e smoking.	
x0al00	Have you ever drunk alcoholic drinks?	x0al00	<u></u> 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		end
		x0al01	□4 □5 □6 □7	2-4 times per mont 2-3 times per week 4 or more times pe 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	t 12 months  t 12 months  ast 12 months  e a month  h	end
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	t 12 months  t 12 months  ast 12 months  e a month  h	

## Smoking<sup>1</sup> - Start

		Silloki	ilg - Start		
	Next I would like to ask you som	e questions	about smoking and passiv	ve smoking.	
x0sm32	Have you ever smoked for as long as a year?  INT: 'YES' means at least 20 packs of cigarettes or 12 oz (360 grams) of tobacco in a lifetime, or at least one	x0sm32	□1 Yes	□2 No	x0sm46
	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)		
		O a L.i.a	o-1 O		
	<u> </u>	Smokin	g¹ - Current	1	
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	Number of cigarettes pe	r day:   _	
		x0sm36	Number of cigarillos per	day:	
		x0sm37	Number of cigars a wee	k:	
		x0sm38	Pipe tobacco in grams /	week:	
		Smok	ing¹ - Past		
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	x0sm41	Number of cigarettes pe	r day:   _	
	stopped or cut down, how much did you smoke?	x0sm42	Number of cigarillos per	day:   _	
	,	x0sm43	Number of cigars a wee	k:	
		x0sm44	Pipe tobacco in grams /	week:   _	
x0sm45	Do you or did you inhale the	x0sm45	□1 Yes	□2 No	

# Passive Smoking<sup>1</sup> - Generally

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	

# Passive Smoking<sup>1</sup> - Details

	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.	x0sm49a	at home:   _ hours per day	
	How many hours per day, are you exposed to other peoples	x0sm49b	at workplace:   _ hours per day	
	tobacco smoke in the following locations?	x0sm49c	in bars, restaurants, cinemas or similar social settings:    hours per day	
		x0sm49d	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 - Liver

Cili Offic diseases - Livei								
	The next questions are about you	ur health sta	tus.					
x0cd01	Has a doctor ever told you that you have a liver disease?	x0cd01	□1 Yes	<u>□</u> 2 I	No	□3	I don't know	x0cd06
	Do you remember the name of the disease?	x0cd01e	☐1 Cirrhosis					
		x0cd01f	Other _					
	In which year was it diagnosed for the first time?	x0cd01a	Year				_ _ _	
Chronic diseases - Gout								
x0cd06	Has a doctor ever told you that you have gout?	x0cd06	□1 Yes	<u>□2</u> 1	No	□3	I don't know	x0cd10
	In which year was it diagnosed for the first time?	x0cd06a	Year				_ _ _	
	Chronic	c diseas	ses - Oste	opor	osis			
x0cd10	Has a doctor ever told you that you have osteoporosis?	x0cd10	□1 Yes	<u>□2</u> 1	No	□3	I don't know	x0cd14
	In which year was it diagnosed for the first time?	x0cd10a	Year	·			_ _ _	
	Chro	nic dise	eases - Va	sculit	tis			
0cd14	Have you ever been told that you have a vasculitis (including lupus erythematosus)?	x0cd14	□1 Yes	2 <b>!</b>	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	Year				_ _ _	

# 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/ second/ third / fourth/ fifth cancer ascertained?  (x0ca01a/ x0ca02a/ x0ca03a/ x0ca04a/ x0ca05a)  What kind of cancer?  (x0ca01b/ x0ca02b / x0ca03b / x0ca04b / x0ca05b)  Were you hospitalised for in-patient treatment?  (x0ca01c / x0ca02c / x0ca03c / x0ca04c / x0ca05c)  In which hospital were you treated?  (x0ca01d / x0ca02d / x0ca03d / x0ca04d / x0ca05d)						
	Year Kind of cance	Treated in-pa	atient?	Hospital			end if x0ca00a
							= 1 = 2 = 3 = 4
	111		- <del></del> γ				

# **Diabetes**

x0dm00	Do you have diabetes mellitus?	x0dm00	1	Yes	□2 No	☐3 I don't know	end
x0dm01	In which year was it diagnosed?	x0dm01a	Year				
x0dm02	Do you know which type of diabetes you have?	x0dm02	□1 □2 □3 □4 □5	Adult dia	diabetes (type betes (type 2) cy diabetes after pancrea		
x0dm03	How are you treated?		<u></u> 1	Only with	n tablets		end
		x0dm03	□2 □3	Only with	n insulin ulin and tablets	3	
			□4 □5	Only diet			end
x0dm04	Please, indicate the year since when you are treated with insulin.	x0dm04a	Year				

# Kidney<sup>1</sup> - Diseases

Was it a glomerulonephritis?   x0ki01	x0ki00	Has a doctor ever told you that you have a kidney disease?	x0ki00	□1 Yes	□2 No	☐3 I don't know	x0ki09
for the first time?    Do you remember the exact name of the disease?   X0ki02	x0ki01	Was it a glomerulonephritis?	x0ki01	□1 Yes	□2 No	☐3 I don't know	x0ki02
x0ki02 Was it a pyelonephritis? x0ki02			x0ki01a	Year			
In which year was it diagnosed for the first time?    X0ki04			x0ki01d				
Value	x0ki02	Was it a pyelonephritis?	x0ki02	□1 Yes	□2 No	☐3 I don't know	x0ki04
arteries (including renal artery stenosis)?  In which year was it diagnosed for the first time?  Do you remember the exact name of the disease or the diagnosis?  X0ki05  Was it a hereditary or congenital kidney disease (including polycystic kidney disease)?  In which year was it diagnosed for the first time?  X0ki05  Do you remember the exact name of the disease or the diagnosed for the first time?  X0ki05  X0ki05  The which year was it diagnosed for the first time?  X0ki05  X0ki05  X0ki05  The which year was it diagnosed with the first time?  X0ki05  X0ki07  The which year were been told that you have kidney stones?  In which year were the kidney stones diagnosed for the first time?  X0ki07  The which year were the kidney stones diagnosed for the first time?  X0ki08  The which year were the kidney stones diagnosed for the first time?  X0ki08  The which year were the kidney stones diagnosed for the first time?  X0ki08  The which year were the kidney stones diagnosed for the first time?  X0ki08  The which year were the kidney stones diagnosed for the first time?  X0ki08  The which year were the kidney stones diagnosed for the first time?  X0ki08  The which year were the kidney stones diagnosed for the first time?  X0ki08  The which year were the kidney stones diagnosed for the first time?  X0ki08  The which year were the kidney stones diagnosed for the first time?  X0ki08  The which year were the kidney stones diagnosed for the first time?  X0ki08  X0ki08  The which year were the kidney stones diagnosed for the first time?  X0ki08  X0ki08  The which year were the kidney stones diagnosed for the first time?  X0ki08  X0ki08			x0ki02a	Year			
for the first time?  Do you remember the exact name of the disease or the diagnosis?  X0ki05  Was it a hereditary or congenital kidney disease (including polycystic kidney disease)?  In which year was it diagnosed for the first time?  X0ki07  Avoki07  Avoki08  X0ki08	x0ki04	arteries (including renal artery	x0ki04	□1 Yes	□2 No	□3 I don't know	x0ki05
name of the disease or the diagnosis?  XOki05  Was it a hereditary or congenital kidney disease (including polycystic kidney disease)?  In which year was it diagnosed for the first time?  XOki05  XOki05  In which year was it diagnosed diagnosis?  XOki05  XOki07  Have you ever been told that you have kidney stones diagnosed for the first time?  XOki08  Have you ever been told that you have another kidney disease, not mentioned yet?  XOki08  If you remember it, please specify the name of the		_	x0ki04a	Year			
congenital kidney disease (including polycystic kidney disease)?  In which year was it diagnosed for the first time?  Do you remember the exact name of the disease or the diagnosis?  X0ki07  Available Avail		name of the disease or the	x0ki04d				
for the first time?  Do you remember the exact name of the disease or the diagnosis?  x0ki07 Have you ever been told that you have kidney stones?  In which year were the kidney stones diagnosed for the first time?  x0ki08 Have you ever been told that you have another kidney disease, not mentioned yet?  If you remember it, please specify the name of the	x0ki05	congenital kidney disease (including polycystic kidney	x0ki05	□1 Yes	□2 No	☐3 I don't know	x0ki07
name of the disease or the diagnosis?  X0ki07 Have you ever been told that you have kidney stones?  In which year were the kidney stones diagnosed for the first time?  X0ki08 Have you ever been told that you have another kidney disease, not mentioned yet?  X0ki08 If you remember it, please specify the name of the			x0ki05a	Year			
you have kidney stones?  In which year were the kidney stones diagnosed for the first time?  x0ki08  Have you ever been told that you have another kidney disease, not mentioned yet?  If you remember it, please specify the name of the  x0ki07  Year  Year		name of the disease or the	x0ki05d				
stones diagnosed for the first time?  XOKIO7a Year  Year  Year  Year  Year  Year  Year  Year  Year  XOKIO7a Year  Year  Year  Year  Year  XOKIO8  Year  XOKIO8  Year  XOKIO8  Year  XOKIO8  XOKIO9  XOKIO9	x0ki07		x0ki07	□1 Yes	□2 No	☐3 I don't know	x0ki08
you have another kidney disease, not mentioned yet?  If you remember it, please specify the name of the  xOki08  L1 Yes L2 No L3 I don't know XOki09  xOki09		stones diagnosed for the first	x0ki07a	Year			
specify the name of the	x0ki08	you have another kidney	x0ki08	□1 Yes	2 No	□3 I don't know	x0ki09
		specify the name of the	x0ki08d				

In which year was it diagnosed for the first time?	x0ki08a	Year	_ _
		I	

# Kidney<sup>1</sup> – Renal Failure

x0ki09	Has a doctor ever told you that you have a reduced kidney function or a renal failure?	x0ki09	1	Yes	<u></u> 2	No	□3	I don't know	x0ki19
	In which year?	x0ki09a	Year					_	
	Is the renal failure still present?	x0ki09c	<u></u> 1	Yes	<u></u> 2	No	□3	I don't know	
x0ki22	Have you ever been on dialysis?	x0ki22	<b>□</b> 1	Yes	<b>□</b> 2	No	□3	Non lo so	x0ki23
	When did you the first dialysis?	x0ki22a	Year					_	
x0ki23	Are you still on dialysis?	x0ki23	<u>2</u>	No	1	Yes			x0ki10
	When did you the last dialysis?	x0ki23a	Year					_  _	
x0ki10	Have you ever undergone a kidney transplantation?	x0ki10	<u></u> 1	Yes	<u>2</u>	No	□3	I don't know	x0ki19
	How many transplantations?	x0ki10a						_	
x0ki11a	Year of the first transplantation	x0ki11a	Year					_	if x0ki10a = 1 <b>x0ki19</b>
x0ki12a	Year of the second transplantation	x0ki12a	Year				<u> </u>	_	if x0ki10a = 2 <b>x0ki19</b>
x0ki13a	Year of the third transplantation	x0ki13a	Year					_	if x0ki10a = 3 <b>x0ki19</b>
x0ki14a	Year of the fourth transplantation	x0ki14a	Year					_	if x0ki10a = 4 <b>x0ki19</b>
x0ki15a	Year of the fifth transplantation	x0ki15a	Year						

# Kidney<sup>1</sup> – Surgery

x0ki19	Have you ever donated a kidney?	x0ki19	□1 Yes	□2 No	☐3 I don't know	x0ki20
	In which year?	x0ki19a	Year			
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	Year		_ _ _	
x0ki21	Have you undergone a renal surgery for another reason?	x0ki21	□1 Yes	□2 No	☐3 I don't know	end
	Please specify:	x0ki21c				
	In which year?	x0ki21a	Year			

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

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

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

### Blood values 1 - Hypertention

2.00d raided Tijperteilien									
x0bl01	Has a doctor ever said that you have high blood pressure or hypertension?	x0bl01	□1 Yes	□2 No	☐3 I don't know	x0bl02			
x0bl01b	At what age were you first told this?	x0bl01b	Age (Years)			if sex = male <b>c04_056</b>			
x0bl01c	Was this during pregnancy only?	x0bl01c	□1 Yes	<u>2</u>	No				
	Blood values	s¹ - Med	ication fo	r Hynerte	ention				

				<i>y</i> .		
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?	x0bl02a	Age (Years)			
	INT: if unknown: 99					
	Are you still taking medicine for this?	x0bl02b	□2 No		□1 Yes	x0bl12
	When did you stop taking medicine for this?	x0bl02c	Age (Years)		_	

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

				-		
x0bl12	Has a doctor ever said you have raised blood lipids (cholesterol, triglycerides)?	x0bl12	□1 Yes	□2 No	□3 I don't know	end
x0bl12a	Have you ever taken medication for this, following a doctor's prescription?	x0bl12a	□1 Yes	□2 No	☐3 I don't know	end
	At what age did you begin taking medicine for this?	x0bl12b	Age (Years)			
	Are you still taking medicine for this?	x0bl12c	□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)

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

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

# Thyroid<sup>1</sup> - Diseases

x0th00	Were you ever diagnosed to have a thyroid disease?	x0th00	_1	Yes	□2 No	☐3 I don't know	x0th12
	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	
x0th01	1. Hypothyroidism	x0th02, x0th02a	<u>□</u> 2	□3	□1 □ Year		
x0th02	2. Hashimoto's disease	x0th07, x0th07a	<u></u>	□3	□1 □ Year		
x0th03	3. Hyperthyroidism	x0th01, x0th01a	<u></u>	□3	□1 □ Year		
x0th04	4. Graves' disease (Basedow's disease)	x0th05, x0th05a	<u></u>	□3	□1 🖙 Year		
x0th05	5. Goiter	x0th03, x0th03a	<u></u>	□3	□1 □ Year		
x0th06	6. Nodule	x0th04, x0th04a	<u></u>	□3	□1 □ Year		
x0th07	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 = female AND children >0 => x0th08 if sex = male OR children=0 AND (x0th02,, x0th09 = 2 or 3) => x0th12 if sex = male OR children=0 AND (x0th02= 1 OR x0th03= 1 OR, x0th09= 1) => x0th12							
	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	
		Thyroid	  1 _ (	Sura	orv.		

#### Thyroid<sup>1</sup> - Surgery

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	x0th13
			☐4 Other	
	Could you please specify as much as you can?	x0th12c		_
		Thyroid	¹ - Therapy	
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? Or until now	x0th13b	To (year)      ☐1 Until now ☐2 {No}	I
	Т	hyroid <sup>1</sup>	- Familiarity	
x0th14	Did other persons in your family suffered from diseases to the thyroid function?	x0th14	□1 Yes □2 No □3 I don't kno	ow <b>end</b>
	Please specify		[CHECKBOX] Yes No	
		x0th14a	Mother 1 2	
		x0th14b	Father 1 2	
		x0th14c	Brother(s)	
		x0th14d	Sister(s)	
		x0th14e	Son(s)	
		x0th14f	Daughter(s)	
	Do you remember the name of the disease?	x0th14g		_

<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 - Angina Pectoris**

In use until 2014-08-29

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 wa	alk uphill		
x0mi02	Do you get it when you walk at an ordinary pace on the level?	x0mi02	□1 Yes □2 No	o □3	l don't know	
x0mi03	What do you do, if you get it while you are walking?	x0mi03	☐1 I stop or slow dow ☐3 I take nitroglycerin			
			☐2 I carry on walking	in the same pa	ace	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?			Yes	No	
		x0mi05a	Sternum	<b>□</b> 1	<u> </u>	
		x0mi05b	Left arterial chest	□1	<b>□</b> 2	
		x0mi05c	Neck / jaw	□1	<b>□</b> 2	
		x0mi05d	Left shoulder	□1	<b>□</b> 2	
		x0mi05e	Other	□1	<b>□</b> 2	
	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		

### **Myocardial infarction - Angina Pectoris (revised)**

In use since 2014-09-01

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	<u>2</u>	No					x0mi07
			□3	I never h	urry or	· walk u	phill		
			<b>□</b> 4	I don't kr	now				
x0mi02	Do you get it when you walk at an ordinary pace on the level?	x0mi02	<b>□</b> 1	Yes	<u>2</u>	No	□3	I don't know	
x0mi03	What do you do, if you get it while you are walking?		<b>□</b> 1	I stop or	slow d	own			
	willing you are walking.	x0mi03	□3	I take nit	roglyce	erine			
			<u></u> 2	I carry or	n walki	ng in th	e same	pace	x0mi07
x0mi04	Does the pain/discomfort vanish within 10 minutes if you slow down or stop?	x0mi04	<u></u> 1	Yes		<u>2</u>	No		
x0mi05a	Will you show me, where it was?						Yes	No	
		x0mi05a	Stern	num			<u></u> 1	<u>2</u>	
		x0mi05b	Left a	arterial che	est		<u></u> 1	<u>2</u>	
		x0mi05c	Neck	:/jaw			<b>□</b> 1	<u>2</u>	
		x0mi05d	Left s	shoulder			<b>□</b> 1	<u>2</u>	
		x0mi05e	Othe	r			<u></u> 1	<u>2</u>	
	If it was at another site, which?	x0mi05f							
x0mi06	Does the pain or the discomfort radiate into the left arm?	x0mi06	<u></u> 1	Yes		<u>2</u>	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		<u></u> 2	No		
	more:								

## **Myocardial infarction - Coronary Heart Disease**

	To your knowledge, do you have a coronary heart disease?	x0mi08	<b>□</b> 1	Yes	<b>□</b> 2	No	□3	I don't know	x0mi09
--	----------------------------------------------------------	--------	------------	-----	------------	----	----	--------------	--------

	In which year was it diagnosed?	x0mi08b	Year				_		
	Were you or are you still treated by a doctor for this?	x0mi08d	□1 □2	Yes, in th		it	□3 □4	No I don't know	
	M	lyocard	ial ir	nfarcti	on				
x0mi09	Have you ever been told by a doctor that you had a myocardial infarction?	x0mi09	<u></u> 1	Yes	<u>2</u>	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/s (x0mi11a / x0mi12a / x0mi13a Were you treated in-patient in a h (x0mi11b / x0mi12b / x0mi13b In which hospital were you treate (x0mi11c / x0mi12c / x0mi13c	a / x0mi14a / nospital? o / x0mi14b / d?	x0mi18	5a) 5b)	nfarct	ion occur	?		
	<b>Year Treated in-patier</b> No Yes	nt?		ŀ	Hospi	tal			x0mi16
		> >							= 1
		>							= 3
	ĺ	> >							= 4
	<u> </u>	,							
	Муоса	rdial in	farct	tion - S	Sur	gery			
x0mi16	Have you ever undergone a cardiac catheterization (coronary angiography)?	x0mi16	_1	Yes	<u></u> 2	No	□3	I don't know	
x0mi17	Have you ever undergone a cardiac surgery?	x0mi17	<u></u> 1	Yes	<u></u> 2	No	□3	I don't know	
x0mi18	Have you ever undergone a bypass surgery or angioplasty (stent)?	x0mi18	<u></u> 1	Yes	<u>2</u>	No	□3	I don't know	

	Hea	art failu	re - 🤄	Sympt	om	S			
x0hf01	Do you have shortness of breath during exercise e.g. when climbing stairs?	x0hf01	_1	Yes	<b>□</b> 2	No	□3	I don't know	x0hf02
	Since when? (Year)	x0hf01a	Year						
x0hf02	Do you have "water in the lung" (pulmonary edema)?	x0hf02	_1	Yes	<u></u> 2	No	□3	I don't know	x0hf03
	Since when? (Year)	x0hf02a	Year						
x0hf03	Do you often have swollen legs, because of "water in the legs"?	x0hf03	<u></u> 1	Yes	□2	No	□3	I don't know	x0hf04
	Since when? (Year)	x0hf03a	Year						
	He	art failu	ure -	Disea	ses				
x0hf04	Do you have myocarditis?	x0hf04	_1	Yes	<u></u> 2	No	□3	I don't know	x0hf05
	Since when? (Year)	x0hf04a	Year						
	Describe the disease as accurately as possible:	x0hf04c							
x0hf05	Do you have myocardial diseases? (e.g. hypertrophic cardiomyopathy)	x0hf05	_1	Yes	<b>□</b> 2	No	□3	I don't know	x0hf06
	Since when? (Year)	x0hf05a	Year					_ _ _	
	Describe the disease as accurately as possible:	x0hf05c							
x0hf06	Have you ever been told that	x0hf06	<u></u> 1	Yes	<u>2</u>	No	<u></u> 3	I don't know	x0hf07

x0hf06a

you have a heart defect (as a

Describe the problem as accurately as possible:

child)?

#### **Heart failure - ECG**

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	<b>□</b> 2	No	x0hf08
	Which?	x0hf07d				
	Do you remember in which year the ECG showed conspicuous findings for the first time?	x0hf07a	Year			

#### **Heart failure**

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	Year		_ _ _	

#### **Cardiac arrhythmias - Atrial Fibrillation**

	Cardiac ar	ıııytııııı	ias - Ali ia	I FIN	ııııa	uon		
x0af02	Do you have atrial fibrillation?	x0af02	□1 Yes	<u>2</u>	No	□3	I don't know	x0af07
	Was it diagnosed by a doctor?	x0af02a	□1 Yes	<b>□</b> 2	No	□3	I don't know	x0af03
	In which year was it diagnosed for the first time?	x0af02b	Year			<u> </u>		
	Were you or are you still treated by a doctor for this?	x0af02d	☐1 Yes, in tl	-			No don't know	
	Cardiac	arrhytl	nmias - Sy	ymp	toms	6		
x0af03	Do you experience discomfort during atrial fibrillation?	x0af03	□1 Yes	<u>2</u>	No	□3	I don't know	x0af04
x0af03a	Which?					Yes	No	
		x0af03a	Tachycardia			<b>□</b> 1	□0	
		x0af03b	Extrasystole			<b>□</b> 1	<b>□</b> 0	
		x0af03c	Weakness/tire	dness		<b>□</b> 1	<b>□</b> 0	
		x0af03d	Shortness of b	reath		<b>□</b> 1	<b>□</b> 0	
		x0af03e	Chest pain			<b>□</b> 1	<b>□</b> 0	
		x0af03f	Anxiety			<b>□</b> 1	<u></u> 0	
		x0af03g	Dizziness			<b>□</b> 1	<b>□</b> 0	
		x0af03h	Other			<b>□</b> 1	<b>□</b> 0	
x0af03i	Describe the other discomfort:	x0af03i						
	Cardia	nc arrhy	rthmias - (	Chro	onic			
x0af04	Is the atrial fibrillation chronic i.e. continuously, without a break?	<del>-</del>	□1 Yes					x0af07
	moan:	x0af04	□2 No					
			□3 I don't kr	now				x0af07

x0af05	How often do you have atrial fibrillation?	x0af05	□1 □2 □3 □4	Once a v Once a v Once a v	week month				
x0af06	On average, how long does an attack of atrial fibrillation last?	x0af06	□1 □2 □3 □4	Seconds Minutes Hours Days	3				
	Cardiac	arrhyth	mia	ıs - Arı	rhyt	hmia	as		
x0af07	Had you have extrasystole, irregular heartbeat, tachycardia or cardiac flutter?	x0af07	_1	Yes	<u>2</u>	No		3 I don't know	x0af08
	Since when? (Year)	x0af07a	Year					_	
	Describe the type of cardiac arrhythmia	x0af07c							
	Cardia	c arrhyt	hmi	ias - T	reat	men	t		
x0af08	Have you undergone an electric shock therapy because of a cardiac arrhythmia?	x0af08	<u></u> 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	<u></u> 1	Yes	2	No	<u></u> 3	3 I don't know	x0af10
	Were you under physical or psychological stress at that time?	x0af09a	<b>□</b> 1	Yes		<u>2</u>	No		
x0af10	Have you ever been reanimated by a doctor, an ambulance man or another person?	x0af10	<u></u> 1	Yes	<u></u> 2	No	□3	I don't know	
x0af11	Are you carrier of a pacemaker or an implanted defibrillator?	x0af11	□1	Yes	<u>2</u>	No	□3	I don't know	

#### **Heart diseases - Other**

x0af12	Have you or had you in the past any other diseases of the heart we did not mention yet?	x0af12	□1 Yes	□2 No	end
	Describe the diseases of the heart as accurately as possible:	x0af12a			

#### Circulation<sup>1</sup> - Arteries

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
x0ci02a	For the above condition have you ever had Angiography (dye in the arteries	x0ci02a	1	Yes	2 No	☐3 I don't know	
x0ci02b	For the above condition have you ever had  Angioplasty (balloon catheter to open blockage)?	x0ci02b	<u></u> 1	Yes	□2 No	□3 I don't know	
x0ci02c	For the above condition have you ever had  Surgery to improve blood flow in your legs (do not include surgery for varicose veins)?	x0ci02c	_1	Yes	□2 No	□3 I don't know	
		Circulat	ion	¹ - Ve	ins		
x0ci03	Did you ever had varicous veins in the legs (excluding during pregnancy)?	x0ci03	_1	Yes	<u>□</u> 2 No	☐3 I don't know	
x0ci04	Did you ever had phlebitis at superficial veins on the legs?	x0ci04	<b>□</b> 1	Yes	□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	1	Yes	□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	1	Yes	□2 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	□2 No	□3 I don't know	
	Have you ever had outpatient test(s) performed for blood	x0ci06b	<b>□</b> 1	Yes	□2 No	☐3 I don't know	

vein thrombosis or DVT?

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

<sup>-</sup> PhenX Toolkit Peripheral Arterial Disease Protocol

- 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)

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#### Stroke1 - TIA

		Stro	Ke'	- IIA			
x0st21	Have you ever been told that you had a transient ischemic attack (TIA)?	x0st21	1	Yes	□2 No	□3 I don't know	x0st00
	When? (Year)	x0st21a	Year				
	Describe the situation as accurately as possible:	x0st21c					
		Si	trok	e <sup>1</sup>			
x0st00	Have you ever been told by a doctor that you had a stroke?	x0st00	<b>□</b> 1	Yes	□2 No	□3 I don't know	x0st07
x0st06a	When did the first stroke occur?	x0st06a x0st06b			_ M M	_  .   <u>_</u>   <u>_</u>  _	
	S	troke¹ -	Syr	nptom	s1		
x0st07	Have you ever had any sudden loss or changes in speech lasting 24 hours or longer?	x0st07	<u></u> 1	Yes	□2 No	□3 I don't know	x0st08
	Did the episode come on suddenly?	x0st07a	_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	□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	□2 No	□3 I don't know	x0st10
x0st09a	If you closed one eye, did the double vision go away?		_1	Yes			
		x0st09a	<u>2</u>	No			x0st10
			3	I do not kr	now		
	Did the episode come on suddenly?	x0st09b	_1	Yes	<u>2</u>	No	

#### Stroke<sup>1</sup> - Symptoms2

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	1	Yes	<u>2</u>	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 certain position?		<u></u> 1	Yes					c02_043
	certain position?	x0st10a	□2 □3	No I don't kno	ow				
	Did the episode come on suddenly?	x0st10b	□1	Yes		<u>2</u>	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></u> 2	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	

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<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>

**Neurology - Epilepsy** 

		-			_					
x0ne09	Has a doctor ever told you that you have epilepsy?	x0ne09	_1	Yes	<u>2</u>	No	□3	I don't know	x0ne10	
	In which year was epilepsy diagnosed for the first time?	x0ne09a	Year				<u> </u>	_		
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	Year				<u> </u>	_		
Neurology - Tremor										
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	<u>2</u>	No	□3	I don't know	x0ne03	
	When? (Year)	x0ne02b	Year					_		
	Were you or are you still treated by a doctor for this?	x0ne02d	□1 □2	Yes, in the	-	t	□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			
	Ne	urology	y - P	arkins	son	1				
x0pk01	Do you or did you have trouble arising from a chair?	x0pk01	<b>□</b> 1	Yes	<u>2</u>	No	□3	I don't know		
x0pk02	Is your handwriting smaller than it once was?	x0pk02	<b>□</b> 1	Yes	<u>2</u>	No	□3	I don't know		
x0pk03	Has anyone told you that your voice is softer than in once was?	x0pk03	<u></u> 1	Yes	<u>2</u>	No	□3	I don't know		

			1						
x0pk04	Is or was your balance poor?	x0pk04	<u></u> 1	Yes	<u>2</u>	No	□3	I don't know	
x0pk05	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	
x0pk06	Has anyone told you that your face seems less expressive than it once was?	x0pk06	<b>□</b> 1	Yes	<u></u> 2	No	□3	I don't know	
x0pk07	Do your arms or legs shake?	x0pk07	<b>□</b> 1	Yes	<u>2</u>	No	□3	I don't know	
x0pk08	Do you have trouble fastening buttons?	x0pk08	_1	Yes	<u>2</u>	No	□3	I don't know	
x0pk09	Do you shuffle or take small steps when you walk?	x0pk09	_1	Yes	<u>2</u>	No	□3	I don't know	
x0pk10	Has anyone ever told you that you have Parkinson's disease?	x0pk10	_1	Yes	<u>2</u>	No	□3	I don't know	
x0pk11	Have you ever taken drugs such as Sinemet or Madopar?	x0pk11	<u></u> 1	Yes	<u>2</u>	No	□3	I don't know	
	46(2):79-86. Research Initiatives\5-50 Vinschga	·					\PD-ET		
1999 Feb;2 J:\5-5 New	Research Initiatives\5-50 Vinschgar	rology	- Fo	rgetfu	ulne	ss			
1999 Feb;2	Research Initiatives\5-50 Vinschga	·					\PD-ET	I don't know	x0ne07
1999 Feb;2 J:\5-5 New	Neu  Did you notice forgetfulness (also orientation problems)? e.g. loose the way on known	rology	- Fo	rgetfu	ulne	ss		I don't know	x0ne07
1999 Feb;2 J:\5-5 New	Neu  Did you notice forgetfulness (also orientation problems)? e.g. loose the way on known routes	rology x0ne06	- <b>Fo</b>	Yes Yes	ulne:	SS No	3 		
1999 Feb;2 J:\5-5 New	Neu  Did you notice forgetfulness (also orientation problems)? e.g. loose the way on known routes  Was it diagnosed by a doctor?	x0ne06a	- <b>Fo</b> □1 □1 Year □1	Yes Yes, in t	ulne: □2 □2 the pas	No No	□3 □3 □3	I don't know	
1999 Feb;2 J:\5-5 New	Neu  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?	x0ne06ax0ne06b	- <b>Fo</b>	Yes Yes, in t	□2 □2 the paserrently	No No	□3 □3 	I don't know	
1999 Feb;2 J:\5-5 New	Neu  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?	x0ne06a x0ne06b x0ne06d	- <b>Fo</b>	Yes Yes, in t	□2 □2 the paserrently	No No	□3 □3 □3	I don't know	

	Neurolog	y - Carp	al Tunnel Syndrome	
x0ne08	Do you suffer from paraesthesias or (burning) pain in the hand?	x0ne08	□1 Yes □2 No □3 I don't know	x0ne21
	Since when? (Year)	x0ne08a	Year	
		Neurol	ogy - Other	
x0ne21	Have you any other symptoms or neurologic diseases we did not mention yet?	x0ne21	□1 Yes □2 No □3 I don't know	end
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	Year	I
	Were you or are you still treated by a doctor for this?	x0ne21d	<ul><li>☐1 Yes, in the past</li><li>☐3 No</li><li>☐2 Yes, currently</li><li>☐4 I don't know</li></ul>	
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	Year	I
	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

## 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	□1 □2 □3 □4	Occasior Frequent	ly (from 5 to	to 4 days	per month)	
x0mg04	How long does your headache last if you do not take drugs or if the treatment has no effect?	x0mg04	□1 □2 □3 □4 □5 □6	More tha	n 30 minute n 4 hours u n 3 up to 7 n 7 days	p to 3 day		

# **Migraine - Characteristics**

x0mg05	Please indicate whether the following headache characteristics apply to you or do not.	x0mg05	Yes No which is limited to one side of the head? □1 □2
	Do you have a headache	x0mg06	that occurs on both sides of the head?
		x0mg07	with pulsating or throbbing quality?
		x0mg08	with a dull, oppressive quality?  1  2
		x0mg09	that occurs suddenly at a single point of the head and lasts only few seconds?
		x0mg10	that impairs considerably your usual daily activities?
		x0mg11	that is aggravated by physical activity, e.g. climbing the stairs?
		x0mg12	accompanied by nausea?

	1	1	, , , , , , , , , , , , , , , , , , ,	
		x0mg13	accompanied by vomiting?	
		x0mg14	accompanied by hypersensitivity to sound?	
		x0mg15	accompanied by hypersensitivity to light?	
		x0mg16	accompanied by hypersensitivity to smell?	
		x0mg17	accompanied by flickering before the eyes or an interruption of the visual field?  1 2	
		x0mg18	accompanied by red or watery eyes or runny nose on the side of the head affected by the headache?	
		x0mg19	accompanied by weakness, paralysis or numbness of an arm or a leg, or by speech disturbance?	
		x0mg20	that occurs only during the sleep and therefore wakes you up?	
	I	Migrain	e - Intensity	
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> - Back Pain

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	<u>2</u>	No		x0pn11
x0pn05a	Localisation of the pain (see image)			•	Yes	No	
		sv01a_1	lumbar		<u> </u>	<u>2</u>	
		sv01a_2	thoracic		<b>□</b> 1	<u>2</u>	
		sv01a_3	cervical		<u></u> 1	<u></u> 2	
x0pn06a	Does the pain radiate into the leg or into the arm?				Yes	No	
		sv01b_1	Leg		<b>□</b> 1	<u>2</u>	
		sv01b_2	Arm		<b>□</b> 1	<u> </u>	
x0pn02a	Since when is the back pain present?	sv01c_1 sv01c_2	Months				
	Frequency in days/month or days/year	sv01c_3 sv01c_4	Days/Month	1			
	Intensity of the pain	sv01c_5	☐1 ☐2 ☐3 ☐4 ☐5 1 = very weak pain			☐9 ☐10 vere pain	

#### Pain<sup>1</sup> - Joint Pain

x0pn11	Do you suffer from joint pain?	sv03_1	□1 Yes □2 No	x0pn21
	Since when is the joint pain present?	sv03_2 sv03_3	Months     Years	
	Frequency in days/month or days/year	sv03_4 sv03_5	_ Days/Month	

x0pn²	How strong is the joint pain?	<b>c</b> 0pn14	sv03a_1	☐1 ☐2 ☐3 ☐4 ☐5 ☐6 ☐7 ☐8 ☐9 ☐10 1 = very weak pain 10 = very severe pain	
	Which joints are affected?		sv03a_2		

#### Pain<sup>1</sup> - Other

x0pn21	Do you suffer from other pain (e.g. abdominal pain, menstrual cramps, toothache)?	sv04_1	□1 Yes	□2 No	x0pn30
	Since when is this pain present?	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	☐1 ☐2 ☐3 ☐4 ☐5 1 = very weak pain	☐6	
	Description/localisation:	sv04a_2			

#### Pain<sup>1</sup> – Main Pain

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 □6 □7 □8 □9 □10 1 = no impairment 10 = very high impairment	

J:\5-5 New Research Initiatives\5-50 Vinschgau-Study\5-50-5 Study Phenotypes\NEURO\Pain\pain phenotyping (from Ruth)\Schmerz-Vorgeschichte strukturiertes Interview

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

## Other diseases - Injuries

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	Year			
	Have you had another accident with injuries?	x0ot02	□1 Yes	<u>2</u>	No	x0ot11
x0ot02a	Description of the injury:	x0ot02a				
	When? (Year)	x0ot02b	Year			
	Have you had another accident with injuries?	x0ot03	□1 Yes	<b>□</b> 2	No	x0ot11
x0ot03a	Description of the injury:	x0ot03a				
	When? (Year)	x0ot03b	Year			
	Have you had another accident with injuries?	x0ot04	□1 Yes	<u>2</u>	No	x0ot11
x0ot04a	Description of the injury:	x0ot04a				
	When? (Year)	x0ot04b	Year			

#### Other diseases - Diseases

x0ot11	Have you any other disease we did not mention yet, which was diagnosed by a doctor?	x0ot11	_1	Yes	<u></u> 2	No	□3	I don't know	x0ot21
x0ot11a	Describe the disease as precisely as possible:	x0ot11a							
	Since when? (Year)	x0ot11b	Year					_ _	
	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	Year				<u> </u>	_ _	
	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	Year					_ _	
	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	Year					_ _	
	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	Year					_ _	
	Have you any other disease we did not mention yet, which was diagnosed by a doctor?	x0ot16	_1	Yes		2	No		x0ot21
x0ot16a	Describe the disease as precisely as possible:	x0ot16a							

	Since when? (Year)	x0ot16b	Year			
			Todi			
	Have you any other disease we did not mention yet, which was diagnosed by a doctor?	x0ot17	□1 Yes	2	No	x0ot21
x0ot17a	Describe the disease as precisely as possible:	x0ot17a				
	Since when? (Year)	x0ot17b	Year			
	Have you any other disease we did not mention yet, which was diagnosed by a doctor?	x0ot18	□1 Yes	<u></u> 2	No	x0ot21
x0ot18a	Describe the disease as precisely as possible:	x0ot18a				
	Since when? (Year)	x0ot18b	Year			
	Have you any other disease we did not mention yet, which was diagnosed by a doctor?	x0ot19	□1 Yes	<u></u> 2	No	x0ot21
x0ot19a	Describe the disease as precisely as possible:	x0ot19a				
	Since when? (Year)	x0ot19b	Year			
	Have you any other disease we did not mention yet, which was diagnosed by a doctor?	x0ot20	□1 Yes	<u>□</u> 2	No	x0ot21
x0ot20a	Describe the disease as precisely as possible:	x0ot20a				
	Since when? (Year)	x0ot20b	Year			

## Other diseases - Surgeries

x0ot21	Did you have any surgery we did not mention yet?	x0ot21	□1 Yes	□2 No	☐3 I don't know	end
x0ot21a	What type of surgery did you have?	x0ot21a				
	When? (Year)	x0ot21b	Year			
	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	Year			
	Did you have any other surgery we did not mention yet?	x0ot23	□1 Yes	<u>□</u> 2	No	end
x0ot23a	What type of surgery did you have?	x0ot23a				
	When? (Year)	x0ot23b	Year			
	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	Year			
	INT: Now stop the recording.					

## Algometer

longer only pressure but, in addit	n the tip of y e will be pair ion, pain. Do ent when you	our finger. This to ful. Please, say not wait until the u start feeling pa	will cause initially a feeling of immediately "Stop" when you fee e pain becomes unbearable but nin. Now, I will show it to you on th	
Insert the value in kg	algo_1		_ _  .	
The measurement was carried out on the following index finger:	algo_2	□1 left	☐2 right	

### Mini Mental State Examination (MMSE)<sup>1</sup> – Orientation

In use since 2014-09-01

	<u>Intro</u>					
x0mm01				True	False	
		x0mm01	What year is this?	<b>□</b> 1	<b>□</b> 2	
		x0mm02	Which season is this?	<b>□</b> 1	□2	
		x0mm03	What month is this?	<b>□</b> 1	□2	
		x0mm04	What is today's date?	<b>□</b> 1	□2	
		x0mm05	What day of the week is this?	<u></u> 1	<b>□</b> 2	
x0mm06	Where are we now?			True	False	
		x0mm06	What country are we in?	<u></u> 1	<b>□</b> 2	
		x0mm07	What province are we in?	<b>□</b> 1	□2	
		x0mm08	What town are we in?	<u> </u>	□2	
		x0mm09	What is the name of this buildi	ing? □1	<b>□</b> 2	
		x0mm10	What floor are we on?	<u></u> 1	<b>□</b> 2	
	Mini Mental State  SAY: I am going to name three what they are because I am goi	In use si		peat then		
	Say the following words slowly a	-	_			
x0mm11	Please, repeat the three objects:			True	False	
		x0mm11	BALL	<b>□</b> 1	□2	
		x0mm12	CAR	<b>□</b> 1	□2	
		x0mm13	MAN	<u></u> 1	□2	
	Number of tries:	x0mm31			<u>  </u>	
	Intro	_1	<u>I</u>			
	Spell the word WORLD.					

x0mm14	Now spell it backwards			True	False
		x0mm14	D	<b>□</b> 1	□2
		x0mm15	L	<b>□</b> 1	<u>2</u>
		x0mm16	R	<b>□</b> 1	<u>2</u>
		x0mm17	0	<b>□</b> 1	<u>2</u>
		x0mm18	W	<u></u> 1	<b>□</b> 2
x0mm19	x0mm19 Now what were the three objects I asked you to remember?	x0mm19		True	False
		x0mm20	BALL	<b>□</b> 1	<u></u>
		x0mm21	CAR	<b>□</b> 1	<u>2</u>
			MAN	<b>□</b> 1	<u></u> 2

## Mini Mental State Examination (MMSE)<sup>1</sup> – Language

In use since 2014-09-01

		111 430 311	nce 2014-09-01			
x0mm22	What is this called? (SHOW wristwatch)			True	False	
	What is this called? (SHOW pencil)	x0mm22	wristwatch	<b>□</b> 1	<u>2</u>	
	portony	x0mm23	pencil	<b>□</b> 1	<u>2</u>	
x0mm24	I would like you to repeat this phrase after me:			True	False	
		x0mm24	"No ifs, ands or buts."	<u></u> 1	<u> </u>	
x0mm25	Read the words on the page and then do what it says.			True	False	
	INT: Then hand the person the sheet with CLOSE YOUR EYES on it.	x0mm25	(On the sheet: CLOSE YOUR	EYES)	<u></u> 2	
	If the subject reads and does not close their eyes, repeat up to three times. Score only if subject closes eyes					
x0mm26	Write any complete sentence on that piece of paper.			True	False	
	INT: The sentence must make sense. Ignore spelling errors	x0mm26	Complete sentence	<b>□</b> 1	<b>□</b> 2	

x0mm27	Copy this design please.  INT: Allow multiple tries. Wait until person is finished and hands it back. Score only for correctly copied diagram with a 4-sided figure between two 5-sided figures.	x0mm27	Design copied	True □1	False ☐2
x0mm28	ASK the person if he is right or left-handed. Take a piece of paper and hold it up in front of the person.	x0mm28	Takes paper correctly in hand	True	False
	SAY: Take this paper in your right/left hand (whichever is	x0mm29	Folds it in half	<u> </u>	□2
	non-dominant), fold the paper in half once with both hands and put the paper down on the table.	x0mm30	Puts it on the table	<u></u> 1	<u></u>
	<b>INT:</b> Score 1 point for each instruction executed correctly.				

<sup>&</sup>lt;sup>1</sup> Folstein MF, Folstein SE, Mc Mugh PR. "Mini-mental state": a practical method for grading the cognitive state of patients for the clinician. J Psychiatr Res 1975; 12:189-198.

J:\5-5 New Research Initiatives\5-50 Vinschgau-Study\5-50-5 Study Phenotypes\NEURO\Cognition\MMSE

#### Sniffin'Sticks1 - General

In use since 2014-09-01

	1	in use sii	III use since 2014-09-01						
	Here the ability to indentify every mulitple-choice procedure, which odours are presented in the Iden	means the p	patient has to pick						
x0ss00	Do you currently have a cold?	x0ss00a	□2 No	□1 Yes			end		
	hay fever?	x0ss00b	□2 No	□1 Yes			end		
	sinusitis?	x0ss00c	□2 No	□1 Yes			end		
	Sr	iffin'Sti	icks¹ - Deta	ails					
x0ss22	Please rate your olfactory sensibility. Is it decreased or increased?		☐1 Decrease	d 					
		x0ss22	☐2 Normal ☐3 Increased	l					
	Did the smell deterioration (or the loss of smell) happen after a viral infection or a sinusitis?	x0ss22a	□1 Yes	□2 No	□3	I don't know			
x0ss23	Did you have a surgery on the paranasal sinuses or because of nasal polyps (even in childhood and adolescence)?	x0ss23a x0ss23b	Paranasal sinus Nasal polyps	Yes es ☐1 ☐1	No	Don't know  ☐3  ☐3			
x0ss24	Have you ever suffered a skull fracture?	x0ss24	□1 Yes	□2 No	□3	I don't know			
	Localisation of the skull fractur	x0ss24a							

## Sniffin'Sticks<sup>1</sup> (1)

	How well can you identify smells have to assign each smell to one							
x0ss01	Sniffin'Stick 1	x0ss01	□1 □2	Orange Blackberry	□3 □4	Strawberry Pineapple		
	Sniffin'Stick 2	x0ss02	□1 □2	Smoke Glue	□3 □4	Leather Grass		
	Sniffin'Stick 3	x0ss03	□1 □2	Honey Vanilla	□3 □4	Chocolate Cinnamon		
	Sniffin'Stick 4	x0ss04	□1 □2	Chive Peppermint	□3 □4	Fir Onion		
	Sniffin'Stick 5	x0ss05	□1 □2	Coconut	□3 □4	Walnut Cherry		
	Sniffin'Stick 6	x0ss06	□1 □2	Peach Apple	□3 □4	Lemon Grapefruit		
	Sniffin'Stick 7	x0ss07	□1 □2	Liquorice Gummi bear	□3 □4	Chewing gum Cookies		
	Sniffin'Stick 8	x0ss08	□1 □2	Mustard Rubber	□3 □4	Menthol Turpentine		
Sniffin'Sticks <sup>1</sup> (2)								
x0ss09	Sniffin'Stick 9	x0ss09	□1 □2	Onion Sauerkraut	□3 □4	Garlic Carrot		
	Sniffin'Stick 10	x0ss10	□1 □2	Cigarette Coffee	□3 □4	Wine Smoke		

Sniffin'Stick 11	x0ss11	□1 □2	Melon Peach	□3 □4	Orange Apple	
Sniffin'Stick 12	x0ss12	□1 □2	Clove Pepper	□3 □4	Cinnamon Mustard	
Sniffin'Stick 13	x0ss13	□1 □2	Pear Plum	_	Peach Pineapple	
Sniffin'Stick 14	x0ss14	□1 □2	Camomile Raspberry	_	Rose Cherry	
Sniffin'Stick 15	x0ss15	□1 □2	Anis Rum	□3 □4	Honey Fir	
Sniffin'Stick 16 Fish	x0ss16	□1 □2	Bread Fish	□3 □4	Cheese Ham	

<sup>&</sup>lt;sup>1</sup> Hummel T, Sekinger B, Wolf SR, Pauli E, Kobal G. 'Sniffin' sticks': olfactory performance assessed by the combined testing of odor identification, odor discrimination and olfactory threshold. Chem Senses. 1997 Feb;22(1):39-52.

J:\5-5 New Research Initiatives\5-50 Vinschgau-Study\5-50-5 Study Phenotypes\NEURO\Healthy Aging\Sniffin Sticks

## **Family**

	The next questions are about your parents and grandparents.				
	When were you born?	.      .      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)	.      .    _  _  _  _  _  _  _  _  _  YYYY			
fh02	What is the name and surname of your mother's mother? (maternal grandmother)				
	Where does she come from? (place)				
	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)				
	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)	.   _  .   _ _  D D M M 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)		
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)	.    .   _    YYYY  Year   _	