

# Danish Twins Born 1931 to 1969 QUESTIONNAIRE (MIDT)

The Danish Twin Registry 2008 - 2011

FINAL VERSION - SURVEY 201-1

PLEASE COMPLETE AT HOME AND BRING TO THE EXAMINATION

Date: LLL LLL

#### Instructions for the questionnaire

When you fill in the questionnaire, please use a blue or black pen as the returned questionnaires will be electronically scanned. Don't use a pencil.

Most of the questions in the questionnaire must be answered by marking a box with a cross. If, for instance, you are a monozygotic twin, you mark the topmost box:

Monozygotic twins	. 🗵
Dizygotic twins	
In doubt	
Don't know	

If you accidentally mark the wrong box, please indicate this by filling out the box completely as shown here: ■

You can now mark the right box.

For some questions you will be asked to write a number. For example, you will be asked how many persons you live together with. Here you write the number as indicated below:

1. How many persons live in your household apart from yourself?

Number of persons:

If 0, go to question 3

If you accidentally write the wrong number, please cross it out and write the correct number to the right of the crossed-out number.

For some of the questions you will be asked to write a text. Please write clearly, preferably using block letters.

Some of the questions are followed by a request to go to another question. For example, you will be asked about your hearing ability:

26.	Do you have impaired hearing?	
	Yes	
	No 🗆	Go to question 29

If your answer is Yes, just proceed to question 27, but if your answer is No, you must go to answer 29.

# **Section 1: Basic information**

1.	How many persons live in your yourself?	househ	old	apart from
	Number of pers	sons: └─	لــــا	
		If 0 Go t	o Q.	.3
2.	Who do you live together with?  Please mark one or more boxes	S		
	Spouse			
	Cohabitant wife/husband			
	My twin			
	Other sisters/brothers			
	Child/children		>	Go to Q.5
	Parents			
	Other relatives			
	Friend/friends			
	Others		)	
3.	For how long have you been living	ing alon	ıe?	
	Number of years: L			
4.	Who was the last person you live	ed toge	the	r with?
	Spouse			
	Cohabitant wife/husband			
	My twin			
	Other sisters/brothers			
	Child/children			
	Parents			
	Other relatives			
	Friend/friends			
	Othors			

<b>5</b> .	Where do you live currently?
	House incl. free-hold flat and farm housing $\qed$
	Flat incl. cohousing flat $\square$
	Senior housing
	Nursing home/integrated nursing home $\ldots$
	Other
	If other, what:
6.	Do you still work?
	Yes, full-time (35 hours or more per week) □
	Yes, part-time (less than 35 hours per week) $\square$ Since when
	No, early retirement pensioner
	No, voluntarily retired with special pension   Year:  Year:
	No, old age pensioner
	Absent owing to illness for over 14 days $\dots$
	Other
	If other, what:
	(ex. unemployed)
7.	What exactly is/was your latest occupation? (fx primary school teacher, panel beater, Head of Office by the Tax Authority, shop assistant, truck driver, service engineer, master builder)
	Designation of occupation:
8.	What is your marital status at the moment?
	Married/cohabitant wife or husband $\square$
	Divorced
	Separated   Go to Q.11
	Widow/widower
	Never been married/cohabiting □

9.	still working?	
	Yes, full-time (35 hours or more per week) $\ \square$	
	Yes, part-time (less than 35 hours per week) $\Box$	
	No, early retirement pensioner $\Box$	
	No, voluntarily retired with special pension $\Box$ Year: $\Box$	
	No, old age pensioner	
	Absent owing to illness for over 14 days $\dots$	
	Other	
	If other, what: (fx unemployed)	
10.	What exactly is/was your spouse's/cohabiting wife/husband's occupation? (fx primary school teacher, panel beater, Head of Office by the Tax Authority, shop assistant, truck driver, service engineer, master builder, assisting wife)	
	Designation of occupation:	

#### YOUR CHILDHOOD

11.	Who was the primary breadwinner of the family for the major part of your childhood? (by breadwinner is meant the person who was primarily responsible for the income of the family)				
	My father				
	My mother				
	My stepfather $\square$				
	My stepmother				
	I lived in an institution   Go to Q.14				
	Other person				
	If other person, who:				
12.	What type of school education did the breadwinner receive?  (Education which has been completed)				
	Less than 7th grade				
	7th-8th grade □				
	9th-10th grade □				
	11th grade or above $\square$				
	Other type				
	Don't know				
13.	What exactly was the occupation of the breadwinner for the major part of your childhood? (fx primary school teacher, panel beater, Head of Office by the Tax Authority, shop assistant, truck driver, service engineer, nurse)				
	Designation of occupation:				
14.	Are you and your twin?:				
	Monozygotic twins				
	Dizygotic twins				
	In doubt				
	Don't know				

15.	Where did you live when you started primar	y school?
	Capital (Copenhagen)	
	Big provincial town (Århus, Odense, Ålborg)	
	Other provincial town	
	Town with less	
	than 500 inhabitants	
	Village	
	Don't remember	
15a.	Which part of the country?	
	Zealand	
	Lolland, Falster, Bornholm	
	Funen	
	Southern Jutland	
	Other part of Jutland	
16.	Where did you live at the age of 15?	
	Capital (Copenhagen)	
	Big provincial town (Århus, Odense, Ålborg)	
	Other provincial town	
	Town with less	
	than 500 inhabitants	
	Village	
	Don't remember	
16a.	Which part of the country?	
	Zealand	
	Lolland, Falster, Bornholm	
	Funen	
	Southern Jutland	
	Other part of Jutland	П

#### Section 2: Health

17.	How would you consider your health in general?
	Excellent
	Good
	Acceptable
	Poor
	Very poor □
18.	How would you consider your health compared with that of your co-twin?
	Better
	Same
	Poorer
	My twin is not alive $\square$
	Don't know
19.	How would you consider your health compared with that of people your own age?
	Better
	Same
	Poorer
20.	Do you feel well enough to do what you like?
	Yes, always
	Yes, almost always
	Yes, occasionally $\square$
	No, hardly ever $\square$
	No, never

# 21. Diseases now and earlier in your life that have been diagnosed by a doctor

Which serious, prolonged diseases do you have now or have had previously? If a doctor has ever diagnosed you with one of the diseases mentioned below, please answer Yes and state you AGE, when the disease was diagnosed for the first time. If you don't remember your exact age, please state your approximate age. Mark one box per disease.

At the end of these questions, you may include diseases that are not pre-printed.

	Yes, have now	Yes, have had	No	Age when disease was diagnosed fo the first time
A. Heart diseases				
Irregular heart rythms				لـــــــا
Angina pectoris				لــــــا
Other heart problems				لــلــا
Pulmonary oedema				لـــلـــا
Medically treated hypertension				
B. Clotting disorders				1
Blood clot in the heart				لــلــا
Cerebral infarct or cerebral haemorrhage				
Blood clot in the lung				
Blood clot in the leg				
Blood clot in the eye				
C. Respiratory diseases				
Chronic bronchitis				
Smoker's lungs (KOL)				
Tuberculosis				
D. Metabolic disorders				
Diabetes Type 1				
Diabetes Type 2				
Increased metabolism (Basedow)				
Decreased metabolism (Myxødem)				
Enlargement of the thyroid gland (struma)				
Other disease in the thyroid gland				

E. Cancers			
Skin cancer			
Cancer, apart from skin cancer			
F. Diseases in the stomach, intestines a kidneys	ınd		
Ulcer			
Coeliakia (gluten intolerance)			
Crohn's disease			لــــــا
Colitis ulcerosa (colon inflammation)			لــــــا
Gallstone			لــــــا
Kidney stone			
Kidney failure			
G. Neurological diseases			
Inflammation of the meninges (meningitis)			لــــــا
Parkinson' s disease			
Epilepsy			لـــــــا
Migraine			
H. Diseased in the eye			
Cataract			
Glaucoma			لــــــا
Calcification of the retina			
J. Musculoskeletal system			
Osteoarthritis			
Rheumatiod arthritis			
Gout			
Whiplash			
Chronic fatigue syndrome			
Fibromy (diffuse pains)			
Herniated disc			1 1 1

		Yes, have now	Yes, have had	No	Age when disease was diagnosed for the first time
K. Me	ental disorders				the mist time
Dep	pression				
Anx	riety				
Ner	vousness syndrome				
L. Qu	estion for male respondents only				
Enla	arged prostate (prostata)				
M. Ot	her serious diseases, please specify:				
		П	П		
22.	How many biological children do y	ou hav	e?		
			Nι	ımber:	
23.	How many of your natural teeth do Adults have 28 teeth + 4 wisdom teeth part of a tooth remains, it should be co etc. that replace natural teeth should in	h, if any ounted i	. If only a n. Dental	bridges	
	None				
	1-9 teeth				
	10 - 19 teeth				
	20 - 27 teeth				
	28 teeth or more				
24.	Do you have problems with your ecannot be corrected by wearing gladenses?	-		:	
	Yes, mildly reduced eyesight				
	Yes, heavily reduced eyesight				
	Yes, blind		$\Box$ Go	to Q.26	
	No				

25.	(with or without your reading glasses)					
	Yes, without difficulty					
	Yes, with minor difficulty					
	Yes, with major difficulty					
	No					
26.	Is your hearing impaired?					
	Yes					
	No		Go to Q.29			
27.	Do you have hearing aids?					
	Yes					
	No		Go to Q.29			
28.	Do you use hearing aids?					
	Yes, always					
	Yes, often					
	Yes, occasionally					
	No					
29.	Can you hear what is being said in a nor conversation between 3 or more persons (with or without your hearing aids)					
	Yes, without difficulty					
	Yes, with minor difficulty					
	Yes, with major difficulty					
	No					

MALE RESPONDENTS – please go to Question 39

#### FEMALE RESPONDENTS PLEASE ANSWER THE FOLLOWING

30. How old were you when you had your first period?  If you do not remember, please give an approximate date.					
	Age:				
	Never had a period				
	Don't remember				
31.	If you have a twin sister, which one of you had her first period?				
	Me				
	My twin sister				
	At the same time (same day) $\square$				
	Don't know				
31a	How long was there between yours and your twin sister's first period?				
	└── years └── months └── weeks └── days └─ don't know				
32.	Do you still have your periods?				
	Yes				
	No				
32a	Are your periods regular?				
	Almost always regular				
	Regular and irregular by terms   Go to Q.39				
	Almost always irregular				
	Regular because of hormone therapy				
	• • •				

33.	33. How old were you when you had your last period?  If you do not remember, please give an approximate age.						
			Age:				
34.	What was the reason that your periods stopped?	Yes	No	Year			
	Please answer all the questions		П	1 1 1 1 1			
	Stopped naturally		П				
	I had my uterus removed		П	1 1 1 1 1			
	I had my ovaries removed						
	Stopped for other reasons	Ц	Ш				
	What other reasons?						
35.	Have you ever received hormone therapy w at the time of or after your menopause?	ith o	estrog	en			
	Yes						
	No Go to	o Q.39	9				
36.	How old were you when you received horm with oestrogen the first time?  If you don't remember, please give an approxin		•	<b>y</b>			
37.	Do you still receive hormone therapy with o	estro	gen?				
	Yes □ Go to	o Q.38	3				
	No						
	If "No", how old were you?						
	Age when therapy stopped: L						
38.	How many years in all have you received on therapy?	estro	gen				
	Number of years:						

Section 3: Lu	ng function
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# **COUGH AND EXPECTORATION**

39.	Have you been coughing for at least 3 mor	nths per	year?
	Yes, during the last 2 years or more $\ \square$		
	Yes, but only during the last year $\ldots$ $\Box$		
	No		
40.	Have you had a cough with expectoration to months per year?	for at lea	ast 3
	Yes, during the last 2 years or more $\ . \ \Box$		
	Yes, but only during the last year $\ldots$ $\Box$		
	No		
41.	Do you occasionally wake up in the night of morning because you cough?	or early i	n the
	Yes, at least once a week $\Box$		
	Yes, at least once a month $\hdots$		
	Yes, at least once a year $\ldots$		
	No		
42.	Does any of the following make you cough (please mark at least one box in every line)	?	
		Yes	No
	a) Cold weather		
	b) Smoke		
	c) Strain		
	d) Other things		
	If other things, what:		

# **ASTHMA**

43.	Have you now or have you had asthma?
	Yes
	No
44.	Have you had an asthma attack during the past 12 months?
	Yes
	No
45.	Has a doctor ever told you that you have or have had asthma?
	Yes
	No
46.	Do you presently take medication for asthma (e.g. by inhaler spray, nebuliser or tablet)
	Yes
	No
WHEE	ZY BREATHING
47.	Have you ever had a wheezy breathing when you were not having a cold?
	Yes, at least once a week $\square$
	Yes, at least once a month $\ \square$
	Yes, at least once a year
	No
48.	Have you had a wheezy breathing when you were not having a cold during the past 12 months?
	Yes
	No

49.	Have you had a wheezy breathing and been short of breath?						
	Yes, at least once a week						
	Yes, at least once a month						
	Yes, at least once a year						
	No	□ Go to	o Q. 51				
50.	Have you had a wheezy breathing and bound breath during the past 12 months?	een sho	rt of				
	Yes						
	No						
51.	Does any of the following make you cou wheeze? (please mark one box in every line)	gh or giv	ve you a				
	(piedee mark one box in every inte)	Yes	No				
	a) Cold weather						
	b) Smoke						
	c) Exertion						
	d) Other things						
	If other things, what:						
SHORT	NESS OF BREATH AND PROBLEMS BREAT	HING					
52.	Have you been short of breath at any tir you were resting <u>during the past 12 mo</u>		y when				
	Yes						
	No						
53.	Have you been short of breath after headuring the past 12 months?	vy exert	ion at any ti	me			
	Yes						
	No						

54.	Have you woken up short of breath at any time during the past 12 months?						
	Yes						
	No						
55.	Are you bothered by shortness of breath when you get dressed, or are you so bothered by shortness of breath that you are unable to get out of your home?						
	Yes						
	No						
56.	Do you have to stop to regain your breath when you are walking at your own speed on even ground?						
	Yes						
	No						
<b>57</b> .	Are you getting short of breath when you walk together with other people your own age on even ground?						
	Yes						
	No						
58.	Are you bothered by shortness of breath when you walk fast on even ground or when you walk a little uphill?						
	Yes						
	No						
Oppri	ESSION IN THE CHEST						
<b>59</b> .	Have you woken up feeling a weight on your chest at any time during the past 12 months?						
	Yes						
	No						

# Section 4: Mental well-being

Please answer the following questions based on how you are feeling now compared with  $\frac{1}{2}$ -1 year ago.

60.	Are you happy with your life as it is now?	
	Yes, always	
	Yes, almost always	
	Yes, occasionally	
	No, hardly ever $\square$	
	No, never	
61.	How often do you feel happy?	
	Most of the time $\square$	
	Occasionally	
	Never or hardly ever $\square$	
62.	Have you been feeling lonely lately?	
	Yes, most of the time $\square$	
	Yes, occasionally $\square$	
	No	
63.	Do you feel tense and are you more worried aboutrifles than you used to be?	t
	Yes, most of the time $\square$	
	Yes, occasionally $\square$	
	No	
64.	Do you consider yourself to be nervous?	
	Yes	
	No	

65.	Do you feel sad, depressed or unnappy now?					
	Yes, most of the time $\hdots$					
	Yes, occasionally □					
	No					
66.	Do you feel like you're worth nothing at times?					
	Yes, mostly					
	Yes, occasionally □					
	No □					
67.	How do look upon your future?					
	Are you optimistic □					
	Are you neutral □					
	Are you pessimistic □					
68.	Do you sometimes feel that life is not worth living?					
	Yes					
	No					

# Section 5: Living habits and life style

# Товассо

69.	Do you smoke now?
	Yes, more than 1 cigarette, cheroot, pipe of tobacco per day
	Yes, but less than 1 cigarette, cherool, pipe of tobacco per day
	No
70.	Did you smoke earlier?
	Yes, more than 1 cigarette, cheroot, pipe of tobacco per day $\hdots$
	Yes, but less than 1 cigarette, cheroot, pipe of tobacco per day $\Box$
	No
71.	When did you quit smoking?
	Year:
72.	Do you inhale now (or when you were smoking)?
	Yes
	No
73.	How much do you smoke (or did you smoke) on average per day? (please fill in every question)
	Number of cigarettes with filter:
	Number of cigarettes without filter:
	Number of cheroots:
	Number of cigars:
	Number pipes of tobacco:

74.	For now many years have you smoked regularly?						
	Number of whole years :						
ALCOH Please a months	answer the following questions based on your situation during the last 6						
<b>75</b> .	Do you ever drink alcohol in any form?						
	Yes, at least once a week						
	Yes, at least once a month $\square$						
	Yes, but not every month $\square$						
	No, never						
76.	How much do you drink on average per week?  Please fill out every line with whole numbers						
	Numbers of beer:						
	Number of strong alcoholic drinks:						
	Number of glasses of red wine:						
	Number of glasses of white wine:						
	Number of glasses of dessert wine:						
<b>77</b> .	How would you describe your alcohol consumption now compared with earlier on?						
	Larger than earlier on $\square$						
	Same as earlier on						
	Less than earlier on $\square$						

#### **EATING AND DRINKING HABITS**

78. How much day?	3 3							
Number	of cups of	of coffee:		L				
Number	of cups of	of tea:		L				
79. How often do you eat the following?								
	Never	Once or less a month	Twice a month	Once a week	2-3 times a week	Once a day	2-3 times a day	4 or more times a day
a) Fruit								
b) Raw vegetables								
c) Boiled vegetables								
d) Fruit juice								
e) Vegetable juice								

#### PHYSICAL ACTIVITY AND EXERCISE HABITS

Please answer the questions based on your situation during the past year.

80.	How often have you exercised, done aerobic or gymnastic exercises so that you perspired and/or became short of breath?
	Never
	One or more times a year
	One or more times a month $\hdots$
	One or more times a week $\square$
	Daily
81.	How often have you taken a brisk walk for at least 30 minutes in order to get exersice?
	Never
	One or more times a year $\square$
	One or more times a month $\hdots$
	One or more times a week $\square$
	Daily
82.	How often have you ridden your bicycle for at least 3 km?
	Never
	One or more times a year $\square$
	One or more times a month $\hdots$
	One or more times a week $\square$
	Daily
83.	How often have you done stretch exercises, yoga, or pilates to increase suppleness, strength and a better balance?
	Never
	One or more times a year $\square$
	One or more times a month $\hdots$
	One or more times a week $\square$
	Daily 🗆

84.	How often have you been engaged in hard physical activity at work or at home?
	Never
	One or more times a year $\square$
	One or more times a month $\hdots$
	One or more times a week $\square$
	Daily
85.	How often have you been engaged in physically strenuous sports like tennis, running, swimming or riding a bicycle over a long distance?
	Never
	One to more times a year $\square$
	One to more times a year $\square$
	One to more times a year $\square$
	Daily
	LECTUAL AND CULTURAL ACTIVITIES  answer the following questions based on your situation during the past
86.	How often have you been to museums, art galleries or the like?
	Never
	One or more times a year $\square$
	One or more times a month $\hdots$
	One or more times a week $\square$
87.	Daily
	Daily
	How often have you used the internet or a library or consulted an encyclopedia to find information that could answer a question
	How often have you used the internet or a library or consulted an encyclopedia to find information that could answer a question or solve a problem?
	How often have you used the internet or a library or consulted an encyclopedia to find information that could answer a question or solve a problem?  Never
	How often have you used the internet or a library or consulted an encyclopedia to find information that could answer a question or solve a problem?  Never

88.	How often have you solved a soduko, a cross-word puzzle or the like?
	Never
	One or more times a year $\square$
	One or more times a month $\hdots$
	One or more times a week $\square$
	Daily
89.	How often have you read a book, a news magazine or a technical report?
	Never
	One or more times a year $\square$
	One or more times a month $\hdots$
	One or more times a week $\square$
	Daily
90.	How often have you attended a course, a study group or been to a public lecture?
	Never
	One or more times a year $\square$
	One or more times a month $\hdots$
	One or more times a week $\square$
	Daily
91.	How often have you written a story, a report, a poem, an essay or kept a diary?
	Never
	One or more times a year $\square$
	One or more times a month $\hdots$
	One or more times a week $\square$
	Daily 🗆

92.	How often have you gone to the cinema, the theatre or a concert?			
	Never			
	One or more times a year			
	One or more times a month $\  \  \Box$			
	One or more times a week $\square$			
	Daily			
93.	How often have you read a newspaper?			
	Never			
	One or more times a year $\square$			
	One or more times a month $\hdots$			
	One or more times a week $\square$			
	Daily			
94.	How often have you participated in a party or a social arrangement?			
	Never			
	One or more times a year			
	One or more times a month $\ \Box$			
	One or more times a week $\square$			
	Daily □			
95.	How often have you been to a restaurant, to the cinema or the like together with friends or relatives?			
	Never			
	One or more times a year $\square$			
	One or more times a month $\hdots$			
	One or more times a week $\square$			
	Daily □			

96.	How often have you been in contact with family or friends over the phone or via mail?
	Never
	One or more times a year
	One or more times a month $\  \   \Box$
	One or more times a week $\square$
	Daily
97.	How often have you invited family or friends to dinner in your own home?
	Never
	One or more times a year $\square$
	One or more times a month $\hdots$
	One or more times a week $\square$
	Daily
98.	How often have you visited friends or family in their homes?
	Never
	One or more times a year $\square$
	One or more times a month $\hdots$
	One or more times a week $\square$
	Daily
99.	How often have you participated in association meetings or meetings in general?
	Never
	One or more times a year $\square$
	One or more times a month $\hdots$
	One or more times a week $\square$
	Daily

Ю.	How often do you meet with your twin?
	My twin is not alive $\square$
	Never
	Hardly ever □
	One or more times a year $\square$
	One or more times a month $\hdots$
	One or more times a week $\square$
	Daily
01.	How often do you speak with your twin over the phone?
	My twin is not alive $\square$
	Never
	Hardly ever □
	One or more times a year $\square$
	One or more times a month $\hdots$
	One or more times a week $\square$
	Daily
	Many thanks for your help!  If you have any comments, please write them here: