Data from the DNBC 7-year follow-up collection

Data set: year7_20110505_allobs;

This document describes the latest version of the data set collected in the DNBC 7-year follow-up. The data concerned is collected over a period from Nov 2005 – May 2011. The last data in the 7-year follow-up have been collected.

The first questionnaire was completed on 26 April 2005
The last questionnaire was completed on 24 February 2011

Two versions of questionnaire: 1.4 and 1.5 - both web and paper versions

The 7-year follow-up questionnaire exists in two main versions: v. 1.4 and v. 1.5. For both versions the data has been collected via web-questionnaires as well as paper questionnaires. Year7_samlet_dda contains data from both versions.

The total number of **records** from the 7-year follow-up is shown in the below table:

Date	1.4 web	1.4 paper(*)	1.5 web	1.5 paper(*)	total
May 5, 2011	6,093	10,992 (216)	27,278	12,919 (844)	57,282 (1060)
	17,085 (216)		40,197 (844)		

* (twin observations)

The following applies to the data set year7_20110505_allobs:

1   Missing

Missing values have been recoded to comply with Danish Data Archive standards as follows:

Value	Meaning	Description
9, 99, 999, etc.	Undefined	Missing due to questions left unanswered in cases where the question should have been answered.
10, 100, 1000, etc.	Not applicable	Missing due to questions left unanswered in cases where the questions do not apply – such as questions about smoking when respondent has answered "no" to "do you smoke". Answers to the following questions about smoking will be skipped and are not applicable.

The number of digits in the missing values depends on the highest variable value. If the highest variable value is 8, the missing value for undefined is 9 and for Not applicable 10. If the highest variable value is 98, the missing value for undefined is 99 and for Not applicable 100, etc.

2   Questionnaire completed by father or mother?
Please note that the questionnaire may be completed by the father as well as by the mother. Thus, the answers to the parent questions depend on the respondent. Questions like "What is your birth weight?" (Z082ADU) and "What is the birth weight of the other biological parent?" (Z082AAND) should be analysed together with Z001 – "Are you the child's biological mother?"

3   SDQ variables
The original SDQ questions (Z070_01 - Z070_25) have not been recoded to SDQ score values. That means that in all cases "Not true" has the value 1, "Somewhat true" has the value 2 and "Certainly True" has the value 3.

A new set of SDQ variables has been created in which the values have been recoded as shown below. The new variables may be used if you wish to use Goodman's scoring algorithms, © Goodman, 1999:

	Not True	Somewhat True	Certainly True
Z070_01_sdq Considerate of other people's feelings	0	1	2
Z070_02_sdq Restless, overactive, cannot stay still for long	0	1	2
Z070_03_sdq Often complains of headaches, stomach-aches ...	0	1	2
Z070_04_sdq Shares readily with other children	0	1	2
Z070_05_sdq Often has temper tantrums or hot tempers	0	1	2
Z070_06_sdq Rather solitary, tends to play alone	0	1	2
Z070_07_sdq Generally obedient, usually does what ...	2	1	0
Z070_08_sdq Many worries, often seems worried	0	1	2
Z070_09_sdq Helpful if someone is hurt, upset or feeling ill	0	1	2
Z070_10_sdq Constantly fidgeting or squirming	0	1	2
Z070_11_sdq Has at least one good friend	2	1	0
Z070_12_sdq Often fights with other children or bullies them	0	1	2
Z070_13_sdq Often unhappy, downhearted or tearful	0	1	2
Z070_14_sdq Generally liked by other children	2	1	0
Z070_15_sdq Easily distracted, concentration wanders	0	1	2
Z070_16_sdq Nervous or clingy in new situations ..	0	1	2

Z070_17_sdq	Kind to younger children	0	1	2
Z070_18_sdq	Often lies or cheats	0	1	2
Z070_19_sdq	Picked on or bullied by other children	0	1	2
Z070_20_sdq	Often volunteers to help others	0	1	2
Z070_21_sdq	Thinks things out before acting	2	1	0
Z070_22_sdq	Steals from home, school or elsewhere	0	1	2
Z070_23_sdq	Gets on better with adults than with other children	0	1	2
Z070_24_sdq	Many fears, easily scared	0	1	2
Z070_25_sdq	Sees tasks through to the end, good attention span	2	1	0

4   Date variables

The below date variables have been checked and corrected. As a first step the dates have been checked automatically following the below criteria. In cases where the date it is obviously incorrect the date has been either corrected or deleted.

Please note that erroneous dates may still exist in the data set. A wrongful date variable that has not been caught in the automatic filter may not have been spotted.

In cases where the date is not obvious, the images of the scanned questionnaires have been checked. If the date appears clearly on the scanned image the date is changed/corrected, otherwise it is deleted. In cases where the variable has been corrected the cor_[variable name] =1 and if the variable has been deleted, the del_[variable name] =1. The original content of the date variables are included in the data set under raw[variable name].

Which variables have been checked?	**Criteria applied:**
Height_date (Z068Hdto) Weight_date (Z068Vdto) Waist_date (Z069Tdto) Vaccine_dates (Z019AD1– Z019AD7)	• The date variable should have 7 or 8 digits (ddmmyyyy) • Year (yyyy) should be between 1996 – 2010. • "Date of completion" must be in the period between the two dates "sent-from secretariat" and "received-at-secretariat" • The other dates must be prior to the received-date • The date should be no later than 5 days after "completion date"

Following the above checks the number of dates corrected is:

Corrections made	**No**	**of total**	**%**
Completion date replaced by reception date*	4101	57282	7.16
Completion date replaced by waist date (if reception date is missing)	5	57282	0.01
Date entered with month and year only. Day has been set to 15th	251	57282	0.44
Year digits have been corrected, eg. 3003 has been corrected to 2003	96	57282	0.17
Other errors corrected one by one	593	57282	1.03
Dates corrected from ddmmyy to ddmmyyyy	132	57282	0.23
Total no.of questionnaires where one or more dates have been corrected**	**5016**	57282	**8.76**

*In 3330 cases the completion date was missing when we received the questionnaires. For the rest of the cases the completion date either marked a point in time prior to the "sent_date" or after the "received_date".
**There may be more than one correction in one questionnaire. This is why the total number of corrections made is higher than the total number of questionnaires.

4.1   Choices made during correction of date variables
When errouneous dates have been corrected manually, the following choices have been made:

4.1.1   If date is later than "reception_date"
In cases where the dates for height, weight and waist measurements are later than the "received" date at the DNBC secretariat and all of these three dates are identical, we assume that all three measurements have been made for the purpose of filling in the questionnaire. If height and weight are entered only, the measurements may have been taken by the school nurse at an earlier point in time, as she normally does not takes waist measurements..

Furthermore, if the "sent_date" and the "received_date" are 3 months apart or less, all 3 erroneous measurement dates have been replaced by the "received" date.
If the sent and received dates are more than 3 months apart or only height and weight exist the erroneous measurement dates have been deleted as the risk of choosing an incorrect date is too high.

If the "received_date" is missing, the scrutinised date is accepted when it lies within an acceptable limit.

Sent	completion	received	Height/weight/waist	Decision
23rd Apr '09	1st July '09	6 July '09	30 July '09	Date of reception chosen as measurement dates

4.1.2   If date is later than "completed_date"
If the erronneous dates lie within 5 days from the completion date they will be accepted. The respondent may well have started filling out the questionnaire and then taken measurements or being vaccinated during the following days.

Erroneous dates that lie more than 5 days from the completion date have been checked one by one. If the "received_date" is later than the scrutinised dates, the dates are accepted.

In 49 paper questionnaires the received_date is missing. For the web records there is no "received" date, but a completion date is registered (= the date when the respondent started to fill in the questionnaire). If the "received" date in this way is missing. the date in question is accepted as long as it lies within an acceptable limit compared to the completion date.

Sent	completion	Vaccine date	received	Decision
26 Oct '09	27 Oct '09	7 Nov '09	28 Nov '09	Vaccine dato accepted
18 May '07	19 May '07	15 June '07	. missing	Vaccine dato accepted

If the dates for measuring height and weight do not seem to match the sent_date and received_date, and the waist date is missing or differs from height and weight dates the dates will be deleted if they lie after the reception date.

Sent	waist	completion	received	height/weight	Decision
9 March '09	25 May '09	26 May '09	29 May '09	16. sept '09	Dates for height and weight are deleted

4.1.3   "Completion Date" is wrong/missing

For the 4101 cases where the "date of completion" is wrong or missing, the variable has been replaced with the "received_date" at the DNBC secretariat. We judge that the date of reception is close to the completion date, as most women probably will return the questionnaire by mail (prepaid envelope) as soon as it is completed.

4.1.4 Digits are missing

Respondents may have entered month and year only in the cases where they have been unable to recall the exact date of the event. In these cases the missing day digits will be replaced with 15. If year digits appear alone the date has been deleted.

Height/weight	Decision
112004	Height and weight dates have been set to 15th Nov 2004
42005	Height and weight dates have been set to 15th April 2005
2005	Height and weight dates have been deleted

4.1.5 Dates look the same, but digits differ

If dates for height, weight and waist measurements appear to be the same, but the year digits differ, the assumingly wrong date digits are replaced by the date digits in the date that we consider correct when checking against the "sent" and "received" dates:

Sent	completion	Height/waist	received	weight	Decision
31 July '08	17 Oct '08	17 Oct '08	28 Oct '08	17 Oct '09	Weight has been given the same date as height

5 Measurement variables

A manual review was carried out of the scanned questionnaires where height, weight and waist measurements and the parents' birth weights are in the periphery. All scanned questionnaires have been scrutinized for the following:

Child's height, weight and waist measurement:
- Height (Z068H) is below 100 or above 150 cm
- Weight (Z068V) is below 14 or above 45 kg
- Waist (Z069T) is below 45 or above 82 cm

Parents' height, weight and waist measurement:
- Height you (Z081ADU) is below 150 or above 190 cm
- Height other biological parent (Z081AAND) is below 150 or above 205 cm
- Weight you (Z081BDU) is below 40 or above 130 kg
- Weight other biological parent (Z081BAND) is below 45 or above 140 kg
- Waist you (Z081CDU) is below 50 or above 140 cm
- Waist other biological parent (Z081CAND) is below 55 or above 140 cm

Parents' birth weight:
- Birth weight you/other biological parent (Z082ADU/Z082AAND) is below 1000 or above 5500 grammes

The reviewed measurement variables have been corrected using the following criteria:

Measurement variable	Criteria
Child's height, weight and waist measurement (Z068H, Z068V and Z069T)	• Values scanned incorrectly have been corrected • Some values are unlikely, but have been scanned correctly as noted in questionnaire e.g. waist measuring 18 cm. They have not been corrected, as the researcher will assess where the limit for the unlikely is.

	• There are cases where the number during scanning has been interpreted incorrectly and the decimal point wrongly placed. In some cases, both the interpreted number and the noted number are unlikely. Example: In one case, the number 205 has been noted for the waist, but the number is reported as 20.5. Compared with a height of 131 cm and a weight of 23.5 kg – none of the values are likely. In another case, 124 has been noted for the weight and interpreted as 12.4 kg. In comparison, the height is 134 cm and a waist measuring 60, and therefore none of the numbers are likely. In these cases, the numbers have been corrected in both the variable and in the raw variable to the noted number and the researcher must as previously stated, assess which of the variables are not likely. • Ambiguous values (owing to corrections) have been deleted.
Parent's height, weight and waist (Z081ADU, Z081AAND, Z081BDU, Z081BAND, Z081CDU and Z081CAND)	• Values scanned incorrectly have been corrected • Selected values are unlikely, but scanned correctly, as noted. These values have not been changed. • Ambiguous values have been deleted.
Parents' birth weight (Z082ADU and Z082AAND)	• Values scanned incorrectly have been corrected • Some values are unlikely, but have been scanned correctly, as noted. These values have not been changed. • Ambiguous values have been deleted. • In some cases, the weight is written in kg, despite been noted in grammes. The values have been corrected to grammes, e.g. 3.1 is corrected to 3100.

The following measurements have been corrected after the review:

Child's height, weight and waist – X068H Z068V Z060T	Number	Of	%
Number of questionnaires reviewed	1148	57282	2.00
Values corrected	808	57282	1.41
Raw values corrected	10	57282	0.02
Deleted	12	57282	0.02

Parent's birth weight – Z081ADU Z08BDU Z081CDU Z081AAND Z081BAND Z081CAND	Number	Of	%
Number of questionnaires reviewed	684	57282	1.19
Values corrected	289	57282	0.50
Deleted	12	57282	0.02

Parent's height, weight and waist measurement – Z082ADU Z082AAND	Number	Of	%
Number of questionnaires reviewed	255	57282	0.45
Values corrected	155	57282	0.27
Deleted	8	57282	0.01

6   Differences in variables in the four versions of 7 year follow up
Some variables are changed or do not exist in version 1.4.

The variables concerned are listed in the below table:

variable\version	1.5 web	1.5 paper	1.4 web	1.4 paper	Description
Z110_01- 09	x	x	-	-	A new variable in v. 1.5
Z111A, Z111B, Z111C, Z111D, Z111I, Z111J, Z111L, Z111M, Z111N	x	x	x	x	The diet variables have been changed in v. 1.5. The values from v. 1.4. have been recoded to version 1.5 [1)]
Z111E, Z111F, Z111G, Z111H, Z111K	x	x	-	-	New variables in v. 1.5
Z111O	-	-	x	x	Z009B - He eats "fast food" from v. 1.4 does not exist in v. 1.5 . The values from 1.4 have been transferred to variable Z111O
rawZ009A-J	-	-	x	x	Original diet variables. [1)] Z009A-J are replaced by Z111A-Z111M in v. 1.5.
Z058	x	x	x (no occurrence of 2=no)	x	Z058 does not exist in v. 1.4 web. In v. 1.4.web the variable has been created based on Z055A_3, which covered the value "strabismus" in v. 1.4. Thus, "no" was not an option.
Z068HP	x	x	-	-	A new variable in v. 1.5
Z068VP	x	x	-	-	A new variable in v. 1.5
Z081grav	x	x	x (no occurrence of 2=no)	-	Z081grav does not exist in v. 1.4. In v.1.4 web the variable has been created based on Z081tm. Thus, "no" was not an option.
Z081tm	-	-	x	-	Z081tm: Expected time of birth – recalculated variable. v. 1.4 web has the variable "due date" instead of Z081grav. A large number of respondents have filled in a date in the past (compared to date of completion). In these cases we judge that the question has been misunderstood and the answer is regarded as missing. The variable "due date" has been used to create the Z081grav. The original data are found in rawZ081tmdu and rawZ081tman
rawZ081tmdu	-	-	x	-	Original data. Expected time of birth. See Z081tm
rawZ081tman	-	-	x	-	Original data. Expected time of birth. See Z081tm

variable\version	1.5 web	1.5 paper	1.4 web	1.4 paper	Description
Z112*	x	x	-	-	A new variable in v. 1.5
Z113*	x	x	-	-	A new variable in v. 1.5

[1] Diet variables Z111A-Z111M and Z009A- Z009J.

In version 1.5 the diet questions were much different from v. 1.4. The new variables Z111A through Z111M have been created to replace the original Z009A- Z009J. Respondents to v. 1.4 did not have the same number of answer options as the division into groups in v.1.5 is more detailed.

The values recorded in Z009 A-J have been recoded to match the new variables, but two new variables 10 and 11 have been added to cover the original top and bottom categories in v. 1.4. The values are recoded as follows:

Version 1.4	Version 1.5	Recoding from 1.4 to 1.5	Merged data set
1 = 6 or more times/week 2 = 4-5 times/week 3 = 2-3 times/week 4 = About once/week 5 = Rarely or never	1 = 4 or more times/day 2 = 2-3 times/day 3 = 6-7 times/week 4 = 4-5 times/week 5 = 2-3 times/week 6 = Once a week 7 = 2-3 times/month 8 = Once or less/month 9 = Never	1 → 10 (6 or more times/ week) 2 → 4 (4-5 times a week) 3 → 5 (2-3 times a week) 4 → 6 (About once/week) 5 → 11 (Rarely or never)	1 = 4 or more times/day 2 = 2-3 times/day 3 = 6-7 times/week 4 = 4-5 times/week 5 = 2-3 times/week 6 = Once/week 7 = 2-3 times/month 8 = Once or less/month 9 = Never 10 = 6 or more times/week. (only v1.4) 11 = Less than once/week or never (only v1.4)

7   New variables in year7_20110505_allobs

The following variables are new and are therefore not described in the existing codebook.

Variable	Description
rawZ009A-J	Original diet variables. Z009A-J are replaced by Z111A-Z111M in v. 1.5.
Z081tm	Z081tm: Expected time of birth – recalculated variable. v. 1.4 web has the variable "due date" instead of Z081grav. The variable "due date" has been used to create the Z081grav. The original data are found in rawZ081tmdu and rawZ081tman
rawZ081tmdu	Original data. Expected time of birth. See Z081tm
rawZ081tman	Original data. Expected time of birth. See Z081tm
rawudfyldto	Raw date variable as it appears on the files of the scanned paper questionnaire or as it has been entered by the respondent in the web questionnaire. Dates are saved as a string in the way they were entered, i.e. day month year, e.g. 9102008 or 19102008.
rawZ019AD1-7	
rawZ068HDTO	
rawZ068VDTO	
rawZ069TDTO	
rawZ068H	Raw measurement variable as it appears on the files of the scanned paper questionnaire or as

rawZ068V	it has been entered by the respondent in the web questionnaire.
rawZ069T	
rawZ081ADU- rawZ081CAND	
rawZ082ADU rawZ082AAND	
cor_udfyldto	If the value of the cor_[variabelnavn] = 1, a variable has been corrected.
cor_Z019AD1-7	
cor_Z068HDTO	
cor_Z068VDTO	
cor_Z069TDTO	
cor_Z068H	
cor_Z068V	
cor_Z069T	
cor_Z081ADU- cor_Z081CAND	
cor_Z082ADU cor_Z082AAND	
del_udfyldto	If the value of the del_[variabelnavn] = 1, a variable has been deleted.
del_Z019AD1-7	
del_Z068HDTO	
del_Z068VDTO	
del_Z069TDTO	
del_Z069TDTO	
del_Z068H	
del_Z068V	
del_Z069T	
del_Z081ADU- del_Z081CAND	
del_Z082ADU del_Z082AAND	

8   Response errors

When the respondent answers "no" to the question "Do you smoke?", he or she is asked to skip some of the following irrelevant questions about smoking. "Do you smoke?" is the filter question. When answering filter questions two types of errors may occur: Error type 1 and Error type 2. Error type 1 occurs when the respondent has ticked "no" in the filter question, but has answered the following questions all the same. Error type 2 occurs when the respondent has skipped the filter question, but still has answered the following questions.

The below table lists the variables with more than 100 type 1 or 2 errors. Errors most often occur in paper questionnaire, as the logic skips are automatic in web questionnaires. In cases where the respondent has answered questions which he or she should have skipped, the answer is simply "No". These answers are not counted as real filter errors. The number of real filter errors is marked in the table under "Description".

Filter variable	Question	No of errors type 1	No of errors type 2	Description
Z002: Has your child lived with both parents since birth?	Z002A: Where has he/she lived most of his/her life?	177	59	Errors occurred in paper versions only. With her mother: 51 With her father: 4 With her mother and mother's new partner: 11 With her father and father's new partner: 3 Equally with both parents: 63 With appointed guardian/foster parents 7 Other, whom?: 38 Real filter errors:177
Z002A: Where has he/she lived most of his/her life?	Z002AA: Where has he/she lived most of his/her life? Text	227	61	Text variable Errors occurred in paper versions only. In some cases the comments work as supplementary information. In other cases respondents have changed family structure over the years and find it difficult to give one answer only.
Z004_8: Was/Is your child cared for in any of the following institutions of child care?- Other:	Z004A: Was/Is your child cared for in any of the following institutions of child care? Text	0	243	Text variable Errors occurred in paper versions only. Lack of check in Z004_8 only.
Z004_9: Was/Is your child cared for in any of the following institutions of child care? - No, my son/daugther has never been cared for by others	Z005AAR: How old was your son/daughter when he/she was cared for by others?- Year	42	53167	Errors occurred in both paper- and web versions. The large number of type 2 error is not really errors. Unless you check the "Z004_9 has never been cared for by others?" the questions Z005aar and Z005mnd should be answered.
Z004_9: Was/Is your child cared for in any of the following institutions of child care? - No, my son/daugther has never been cared for by others	Z005MND: How old was your son/daughter when he/she was cared for by others? – Month	38	53721	Same as above
Z008: Has your son/daughter started school?	Z008BH: He/she started preschool in...	101	14	Errors occurred in paper versions only. 2002: 0 2003: 1 2004: 3 2005: 9 2006: 12 2007: 5 2008: 8

				2009: 15 Skipped preschool: 7 Not yet started: 41 Real filter errors:60
Z010A_11: Which types of food? - Other	Z010AA Which types of food? Text	0	123	Text variable Error type 2: In some cases respondents have added supplementary info.. In other cases respondents have simply forgotten to tick Z011.
Z011: Has he/she taken vitamin pills during the past year?	Z011A_2: Which pill does he/she take? - Livol MultiTotal for children	109	3	Errors occurred in paper versions only.
Z011: Has he/she taken vitamin pills during the past year?	Z011A_5: Which pill does he/she take? - Multi-tabs	144	1	Errors occurred in paper versions only.
Z011A_9: Which pill does he/she take? - Other	Z011AA: Which pill does he/she take? Text	0	745	Text variable Errors occurred in paper versions only. Respondents have forgotten to tick "other". In some cases they have added supplementary info.
Z012A_03: Which dietary supplement does he/she take? - Other	Z012AA: Which dietary supplement does he/she take? Text	0	1011	Text variable Errors occurred in paper versions only. In most cases respondents have forgotten to tick "other".
Z017A3: What is the reason for his/her bad health? - Other	Z017AA: What is the reason for his/her bad health? Text	0	172	Text variable Errors occurred in paper versions only. In most cases respondents have forgotten to tick "other".
Z019A_7: Which vaccinations? - Other	Z019AA: Which vaccinations? Text	0	143	Text variable Errors occurred in paper versions only. In most cases respondents have forgotten to tick "other". In some cases respondents have added supplementary info.
Z019A_1: Which vaccinations? - Infectious hepatitis, Hepatitis A - Havrix	Z019AD1: date, vacc. Hepatit A - Havrix	0	126	Date variable Errors occur in both paper and web versions. The box has not been ticked, but the date is filled in.

Z019A_7: Which vaccinations? - Other	Z019AD7: date, vacc. Other	0	142	Date variable Errors occur in both paper and web versions. The box has not been ticked, but the date is filled in.
Z023: Has your son/daughter ever had febrile seizures in infancy?	Z024: How many times has he/she had febrile seizures altogether?	118	2	Errors occurred in paper versions only. 1: 30 2-5: 3 6 or more: 11 Don't know: 67 Real filter errors:44
Z027: Has a doctor ever said that your son/daughter suffered from epilepsy?	Z030: Does your daughter take (or has she ever taken) medicine for epilepsy?	3290	390	Errors occurred in paper versions only. Yes: 5 No and Don't know: 3285 Real filter errors:5
Z035: Has your child ever had an itchy rash which was coming and going for at least 6 months?	Z036: Has your son/daughter had this itchy rash at any time in the last 12 months?	4971	65	Errors occurred in paper versions only. Yes: 320 No: 4651 In the 320 cases where respondents ticked "yes", the reason is often that rash has occurred, but not for a 6 month period. Real filter errors:320
Z035: Has your child ever had an itchy rash which was coming and going for at least 6 months?	Z037: Has this itchy rash at any time affected any of the following places: the folds of the elbows, behind the knees, in front of the ankles, under the buttocks, or around the neck, ears or eyes?	2065	40	Errors occurred in paper versions only. Yes: 277 No: 1788 I the 277 cases where respondents ticked "yes", the reason is often that rash has occurred, but not for a 6 month period. Real filter errors:277
Z036: Has your son/daughter had this itchy rash at any time in the last 12 months?	Z037: Has this itchy rash at any time affected any of the following places: the folds of the elbows, behind the knees, in front of the ankles, under the buttocks, or around the neck, ears or eyes?	2441	56	Errors occurred in paper versions only. Yes: 645 No: 1796 Real filter errors:645
Z035: Has your child ever had an itchy rash which was coming and going for at least 6 months?	Z038: At what age did this itchy rash first occur?	483	37	Errors occurred in paper versions only. Real filter errors: 483

Z036: Has your son/daughter had this itchy rash at any time in the last 12 months?	Z038: At what age did this itchy rash first occur?	895	35	Errors occurred in paper versions only. Real filter errors: 895
Z035: Has your child ever had an itchy rash which was coming and going for at least 6 months?	Z039: Has this rash cleared completely at any time during the last 12 months?	519	37	Errors occurred in paper versions only. Yes: 429, No: 90 Real filter errors: 519
Z036: Has your son/daughter had this itchy rash at any time in the last 12 months?	Z039: Has this rash cleared completely at any time during the last 12 months?	900	33	Errors occurred in paper versions only. Yes: 812 No: 88 Real filter errors:900
Z035: Has your child ever had an itchy rash which was coming and going for at least 6 months?	Z040: In the last 12 months, how often, on average, has your child been kept awake at night by this itchy rash?	832	41	Errors occurred in paper versions only.
Z036: Has your son/daughter had this itchy rash at any time in the last 12 months?	Z040: In the last 12 months, how often, on average, has your child been kept awake at night by this itchy rash?	1165	92	Errors occurred in paper versions only.
Z043: Has your child ever had wheezing or whistling in the chest at any time in the past?	Z044: Has your child had wheezing or whistling in the chest in the last 12 months?	3759	61	Errors occurred in paper versions only. Yes: 9, No: 3750 Real filter errors:9
Z043: Has your child ever had wheezing or whistling in the chest at any time in the past?	Z045: How many attacks of wheezing has your child had in the last 12 months?	1658	24	Errors occurred in paper versions only. None: 1646, 1 to 3 times: 12. Real filter errors:12
Z044: Has your child had wheezing or whistling in the chest in the last 12 months?	Z045: How many attacks of wheezing has your child had in the last 12 months?	3397	64	Errors occurred in paper versions only. None: 3331, 1 to 3 times: 61, 4 to 12 times: 4, 13 or more times: 1 Real filter errors:66
Z043: Has your child ever had wheezing or whistling in the chest at any time in the past?	Z046: In the last 12 months how often, on average, has your child's sleep been disturbed due to wheezing?	1620	25	Errors occurred in paper versions only. Never woken with wheezing: 1609 Less than 1 night per week: 10 1 or more nights per week: 1 Real filter errors:11
Z044: Has your child had wheezing or whistling in the chest in the last 12	Z046: In the last 12 months how often, on average, has your child's	3260	91	Errors occurred in paper versions only. Never woken with wheezing:

months?	sleep been disturbed due to wheezing?			3182 Less than 1 night per week: 65 1 or more nights per week: 13 Real filter errors:78
Z043: Has your child ever had wheezing or whistling in the chest at any time in the past?	Z047: In the last 12 months has wheezing ever been severe enough to limit your child's speech to only one or two words at a time between breaths?	1295	21	Errors occurred in paper versions only. Yes: 4, No: 1291 Real filter errors:4
Z044: Has your child had wheezing or whistling in the chest in the last 12 months?	Z047: In the last 12 months has wheezing ever been severe enough to limit your child's speech to only one or two words at a time between breaths?	2854	84	Errors occurred in paper versions only. Yes: 12, No: 2842 Real filter errors:12
Z051: Has a doctor ever said that your son/daughter had asthma?	Z052: Has your son/daughter taken asthma medicine during the past 12 months?	7681	46	Errors occurred in paper versions only. Yes: 176, No: 7471 Real filter errors:176
Z051: Has a doctor ever said that your son/daughter had asthma?	Z052A_1: Which type of medicine? - Bricanyl	116	13	Errors occurred in paper versions only. Real filter errors:116
Z052: Has your son/daughter taken asthma medicine during the past 12 months?	Z052A_1: Which type of medicine? - Bricanyl	162	25	Errors occurred in paper versions only. Real filter errors:162
Z052: Has your son/daughter taken asthma medicine during the past 12 months?	Z052A_3: Which type of medicine? - Spirocort	116	14	Errors occurred in paper versions only. Real filter errors:116
Z052A_8: Which type of medicine? - Other asthma medicine:	Z052AA: Which type of medicine? Text	0	161	Text variable Errors occurred in paper versions only. In most cases respondents have forgotten to tick "other". In some cases they have added supplementary info.
Z054: Does your son/daughter have normal vision in both eyes?	Z055: Do you know why his/her vision is impaired?	253	17	Errors occurred in paper versions only. Yes: 13 No: 240 Real filter errors:13
Z055A_6: What is the reason for his/her impaired vision? - Other, please describe:	Z055AA: What is the reason for his/her impaired vision? Text	0	173	Text variable Errors occurred in paper versions only. Respondents have forgotten to tick "other". In some cases they have added supplementary

				info.
Z054: Does your son/daughter have normal vision in both eyes?	Z056: Does he/she wear glasses/contact lenses?	3706	26	Errors occurred in paper versions only. Yes: 9, No: 3697 Real filter errors:9
Z058: Has your son/daughter ever had a squint?	Z059: Has he/she been treated for the squint?	4869	120	Errors occurred in paper versions only. Yes: 5, No: 4853 Don't know: 11 Real filter errors:14
Z061: Is your son's/daughter's hearing permanently impaired? No:181 Don't know: 37	Z062_2: Has his/her hearing impairment been treated? - Yes, with.. (other treatment)	218	11	Errors occurred in paper versions only. Real filter errors:218
Z061: Is your son's/daughter's hearing permanently impaired?	Z062A: Has his/her hearing impairment been treated? Text	199	12	Text variable Errors occurred in paper versions only. The answer to permanent hearing impairment is either "no" or "don't know". In the majority of cases the text variable contains the word "drain"
Z061: Is your son's/daughter's hearing permanently impaired?	Z062_3: Has his/her hearing impairment been treated? - No	4124	45	Errors occurred in paper versions only. If the answer to Z061 was "no", then Z062_3 should be skipped.
Z067: Does your son/daughter have a handicap or chronic illness? 2: No 3: Don't know 4: Don't wish to answer	Z067AA: Which? Text	119	19	Text variable Errors occurred in paper versions only. Some "no'" and "do not know". Respondents may have found it difficult to distinguish chronic illness. Many cases should have been marked as "yes"
Z067A_6: Which? - Other	Z067AA: Which? Text	0	436	Text variable Errors occurred in paper versions only. In most cases respondents have forgotten to tick "other".
Z068H: Height, child - cm	Z068HP: Who measured your son's/daugter's height?	0	199	Errors occurred in paper versions only. Health visitor / school doctor / own GP: 125

				Other person: 74 Errors occurred in paper versions only. Real filter errors:199
Z068V: Weight, child - kg	Z068VDTO: Date for measurement: - weight - child	0	161	Date variable Errors occurred in paper versions only. Date for measurement: - weight: Date has been entered, but no measurement. Real filter errors:161
Z068V: Weight, child - kg	Z068VP: Who measured your son's/daughter's weight?	0	246	Errors occurred in paper versions only. Health visitor / school doctor / own GP: 129 Other person: 117 Real filter errors:199
Z069T: Waist, child	Z069TDTO: Date for measurement: - waist - child	0	220	Date variable Errors occurred in paper versions only. Date for measurement: - waist: Date has been entered, but no measurement. Real filter errors:220
Z071: Overall, do you think that your child has difficulties in one or more of the following areas: emotions, concentration, behaviour or being able to get on with other people?	Z073: Do the difficulties upset or distress your child?	146	12	Errors occurred in paper versions only. Not at all: 84 Only a little: 32 Quite a lot: 27 A great deal: 3 Real filter errors:62
Z071: Overall, do you think that your child has difficulties in one or more of the following areas: emotions, con-centration, behaviour or being able to get on with other people?	Z074_1: Home life?	146	14	Errors occurred in paper versions only. Not at all: 105 Only a little: 36 Quite a lot: 4 A great deal: 1 Real filter errors:41
Z071: Overall, do you think that your child has difficulties in one or more of the following areas: emotions, concentration, behaviour or being able to get on with other people?	Z074_2: Friendships	133	12	Errors occurred in paper versions only. Not at all: 96 Only a little: 34 Quite a lot: 3 A great deal: 0 Real filter errors:37

Z071: Overall, do you think that your child has difficulties in one or more of the following areas: emotions, con-centration, behaviour or being able to get on with other people?	Z074_3: Classroom learning	133	12	Errors occurred in paper versions only. Not at all: 107 Only a little: 21 Quite a lot: 5 A great deal: 0 Real filter errors:
Z071: Overall, do you think that your child has difficulties in one or more of the following areas: emotions, con-centration, behaviour or being able to get on with other people?	Z074_4: Leisure activities	134	12	Errors occurred in paper versions only. Not at all: 113 Only a little: 21 Quite a lot: 0 A great deal: 0 Real filter errors:21
Z071: Overall, do you think that your child has difficulties in one or more of the following areas: emotions, concentration, behaviour or being able to get on with other people?	Z075: Do the difficulties put a burden on you or the family as a whole?	153	12	Errors occurred in paper versions only. Not at all: 118 Only a little: 33 Quite a lot: 1 A great deal: 1 Real filter errors:35
Z089: Have you had a psychiatric illness or bad nerves since birth?	Z090: Have you been in contact with a doctor or psychologist because of this?	4233	27	Yes: 154 No: 4019 Don't know: 12 Prefer not to answer: 48 Real filter errors:154
Z089: Have you had a psychiatric illness or bad nerves since birth?	Z091: Have you ever been hospitalized because of this illness	3541	31	Yes: 25 No: 3484 Don't know: 8 Prefer not to answer: 24 Real filter errors:25
Z092_15: Which type of illness were you suffering from? - Other:	Z092A: Which type of illness were you suffering from? Text	0	296	Text variable Errors occurred in paper versions only. In most cases respondents have forgotten to tick "other".
Z093: When did you start using a mobile phone? I have never been using a mobile phone (go to question 100): 2 Less than 5 years ago (go to question 100): 424 (5-9 years ago) (More than 10 years ago)	Z094: Did you use a mobile phone when you were pregnant with your daughter?	11346	40	Errors occurred in paper- and web version 1.4 Yes: 426 No: 10723 Don't know: 197 Real filter errors:428 Probably due to error in automatic skips in web questionnaire

Z093: When did you start using a mobile phone? I have never been using a mobile phone (go to question 100): 60 Less than 5 years ago (go to question 100): 1382 (5-9 years ago) (More than 10 years ago)	Z095_1: When did you use the mobile phone? - Don't know	1442	11	Z095_1 (Don't know) should not have been answered. Real filter errors:0 Errors occurred in paper- and web version 1.4 Probably due to error in automatic skips in web questionnaire
Z094: Did you use a mobile phone when you were pregnant with your daughter?	Z095_1: When did you use the mobile phone? - Don't know	2094	10	Z095_1 (Don't know) should not have been answered. Real filter errors:0 Errors occurred in paper- and web version 1.4 Probably due to error in automatic skips in web questionnaire
Z093: When did you start using a mobile phone? I have never been using a mobile phone (go to question 100): 2 Less than 5 years ago (go to question 100): 173 (5-9 years ago) (More than 10 years ago)	Z095_2: When did you use the mobile phone? - 1st – 3rd month	175	9	Errors occurred in paper- and web version 1.4 Real filter errors:175 Probably due to error in automatic skips in web questionnaire
Z093: When did you start using a mobile phone? I have never been using a mobile phone (go to question 100): 2 Less than 5 years ago (go to question 100): 188 (5-9 years ago) (More than 10 years ago)	Z095_3: When did you use the mobile phone? - 4th – 6th month	190	9	Errors occurred in paper- and web version 1.4 Real filter errors:190 Probably due to error in automatic skips in web questionnaire
Z093: When did you start using a mobile phone? I have never been using a mobile phone (go to question 100): 2 Less than 5 years ago (go to question 100): 224 (5-9 years ago) (More than 10 years ago)	Z095_4: When did you use the mobile phone? - 7th month - delivery	226	11	Errors occurred in paper- and web version 1.4 Real filter errors:226 Probably due to error in automatic skips in web questionnaire
Z094: Did you use a mobile phone when you were pregnant with your daughter?	Z095_4: When did you use the mobile phone? - 7th month - delivery	107	18	Errors occurred in paper- and web version 1.4 Probably due to error in automatic skips in web

no: 101 don't know: 6				questionnaire
Z093: When did you start using a mobile phone? I have never been using a mobile phone (go to question 100): 25 Less than 5 years ago (go to question 100): 980 (5-9 years ago) (More than 10 years ago)	Z096: How many times a day on average did you speak on the phone while pregnant? (Messages do not count)	1005	23	Errors occurred in paper- and web version 1.4 0-1 times: 697 2-3 times: 101 4-6 times: 25 7 or more times a day: 12 Don't know: 170 Real filter errors:138 Probably due to error in automatic skips in web questionnaire
Z094: Did you use a mobile phone when you were pregnant with your daughter? no: 796 don't know: 276	Z096: How many times a day on average did you speak on the phone while pregnant? (Messages do not count)	1072	30	Errors occurred in paper versions only. 0-1 times: 707 2-3 times: 37 4-6 times: 10 7 or more times a day: 5 Don't know: 313 Real filter errors:52
Z093: When did you start using a mobile phone? I have never been using a mobile phone (go to question 100): 6 Less than 5 years ago (go to question 100): 651 (5-9 years ago) (More than 10 years ago)	Z097: Where did you carry your mobile while pregnant?	657	24	Errors occurred in paper- and web version 1.4 In trouser pocket: 25 In pocket of dress: 17 In my bag: 427 Other:188 Probably due to error in automatic skips in web questionnaire
Z094: Did you use a mobile phone when you were pregnant with your daughter? no: 431 don't know: 212	Z097: Where did you carry your mobile while pregnant?	643	32	Errors occurred in paper versions only. In trouser pocket: 22 In pocket of dress: 17 In my bag: 396 Other: 208
Z093: When did you start using a mobile phone?	Z097A: Where did you carry your mobile while pregnant? Text	254	4	Text variable Errors occurred in paper- and web version 1.4 Probably due to error in automatic skips in web questionnaire
Z094: Did you use a mobile phone when you were pregnant with your daughter?	Z097A: Where did you carry your mobile while pregnant? Text	294	3	Text variable Errors occurred in paper versions only. In many cases respondents have noted "didn't have one" etc.

Z097: Hvor bar du normalt din mobiltelefon, mens du var gravid?	Z097A: Where did you carry your mobile while pregnant? Text	105	195	Text variable Errors occurred in paper versions only. In most cases respondents have forgotten to tick "other".
Z093: When did you start using a mobile phone? I have never been using a mobile phone (go to question 100): Less than 5 years ago (go to question 100): (5-9 years ago) (More than 10 years ago)	Z098: Was the mobile on while you had it on you?	2438	28	Errors occurred in paper- and web version 1.4 Yes, all the time: 555 Yes, 50 - 99% of the time: 487 Yes, but less than 50% of the time: 383 No, never or almost never: 1103 Probably due to error in automatic skips in web questionnaire
Z094: Did you use a mobile phone when you were pregnant with your daughter?	Z098: Was the mobile on while you had it on you?	2902	49	Errors occurred in paper versions only. Yes, all the time: 618 Yes, 50 - 99% of the time: 615 Yes, but less than 50% of the time: 429 No, never or almost never: 1250
Z093: When did you start using a mobile phone? I have never been using a mobile phone (go to question 100): Less than 5 years ago (go to question 100): (5-9 years ago) (More than 10 years ago)	Z099: Did you have an earpiece for your mobile?	2515	30	Errors occurred in paper- and web version 1.4 Yes, but I rarely used it: 204 Yes, I used it often: 122 No: 2189 Probably due to error in automatic skips in web questionnaire Real filter errors:326
Z094: Did you use a mobile phone when you were pregnant with your son/ daughter?	Z099: Did you have an earpiece for your mobile?	3003	60	Errors occurred in paper versions only. Yes, but I rarely used it: 247 Yes, I used it often: 132 No: 2624 Real filter errors:379
Z101_3: Is your home telephone… - ... Is your home telephone…	Z102: Does your son/daughter use the wireless telephone more than 1 hour/day?	0	5134	Errors occurred in paper- and web version 1.4 Yes: 32 No: 5072 Don't know: 30 Real filter errors:32 Probably due to error in automatic skips in web questionnaire

If your find errors or inconsistencies in the variables, please send a mail to Ms. Lone Fredslund at lfm@soci.au.dk. This will help and improve our validation.