**The Following Questions are About Your Early Life**

**Birthweight**

1. Do you know how much you weighed at birth?  Yes  No
2. What was your birth weight? (lbs oz or kgs)
3. Is this from your memory of what you had been told by your parents in the past or have you been able to check this with your parents (if either are currently still alive)?

My memory  Mother’s memory  Father’s memory

1. If you cannot recall the actual birth weight, would you say your birth weight was

Underweight (<5.5 lbs)

Below average weight (5.5-6.9 lbs)

Average weight (7.0-8.4 lbs)

Above average weight (8.5-9.9 lbs)

Overweight (> 10 lbs)

Unknown

1. Were you told by a doctor or one of your family (e.g., parents, siblings, uncles, aunts) that you were born premature?  Yes  No Unknown

**History of Being Breast Fed**

1. As far as you know, did your mother breastfeed you?  Yes  No  Unknown
2. If YES, what was the duration?

≤ 3 months  4-8 months  9+ months  Unknown

**Sibship/Birth Order**

1. Do you have any full brothers and/or sisters, that is, those with whom you share both a biological mother and father? Please include brothers and sisters who are living or deceased, but do not include adopted, foster, half, or stepbrothers/sisters.

Yes  No (Skip to question 9)  Unknown

* 1. How many full sisters do you have?
  2. How many full brothers do you have?
  3. How many older siblings do you have? (If you are the first born please enter 0)
  4. Are you a twin?  Yes  No  Unknown (If NO or Unknown skip to question 9)
  5. Do you have a twin brother  or sister
  6. Do you and your twin look like two peas in a pod?  Yes  No
  7. Was it difficult for your teachers and friends to tell you apart?  Yes  No
  8. Would you say you are identical  or non-identical twins

**Preschool Attendance\***

1. As a child, did you attend day care outside of your home?

Yes  No (Skip to question 10)  Unknown

* 1. If YES, in what month and year did you begin and end the first (next) attendance?

Start: / Stop: / mm/yyyy mm/yyyy

Start: / Stop: / mm/yyyy mm/yyyy

Start: / Stop: / mm/yyyy mm/yyyy

* 1. About how many hours per week did you attend? (hours)

1. As a child, did you attend preschool?

Yes  No (Skip to Developmental Measures)  Unknown

* 1. If YES, in what month and year did you begin and end the first (next) attendance?

Start: / Stop: / mm/yyyy mm/yyyy

Start: / Stop: / mm/yyyy mm/yyyy

Start: / Stop: / mm/yyyy mm/yyyy

* 1. About how many hours per week did you attend? (hours)

**Developmental Measures**

1. Do you menstruate or have you menstruated in the past? (If NO, skip to question 14)

Yes  No

1. At what age did you first start having regular periods?
2. If you cannot remember the exact age, was it:

≤ 11 years  12-13 years  ≥ 14 years?

If you have facial hair, please answer the following question:

1. At what age did you start shaving your face regularly (once a week or more)? years
2. If you cannot remember the exact age, was it:

≤ 14 years  15-16 years  17-18 years  ≥ 19 years?

1. When you were in your twenties, what was your height?

(This may be greater than your current height as we can get a little shorter with age due to osteoporosis)

feet and inches (or meters)

\*No data on validation on these question

General Instructions

This CRF contains data that is to be collected when studying early life exposures or developmental markers that may be associated with Parkinson’s disease (PD).

Important note: None of the data elements included on this CRF Module are classified as Core (i.e., strongly recommended for all Parkinson’s disease clinical studies to collect). All data elements are classified as Supplemental (i.e., non-Core) and should only be collected if the research team considers them appropriate for their study. Please see the Data Dictionary for element classifications.

Background

There is evidence that many chronic diseases (e.g., CHD, diabetes) and ageing may have early life course influences on risk from pre-birth to development and growth. The evidence for this in PD is very limited. Ideally, data on these exposures would be obtained from retrospective e.g., birth records or as part of a birth cohort. However, it is more normal to get self-reported retrospective responses. We have suggested questions where possible from studies that have quantified the validity of these measures. In most cases the errors or misclassifications will be random and hence associations will be attenuated to the null. However, sociodemographic factors may result in differential misclassification which could bias the results both towards or away from the null. Subjects with cognitive difficulties may have difficulties reporting these early life exposures. Information may also be poor or nonexistent in other settings – children who were abandoned at birth, adults estranged from parents or parents died with no access to records. The references below are not intended to be comprehensive.

Specific Instructions

Please see the Data Dictionary for definitions for each of the data elements included in this CRF Module.

References

Christiansen L, Frederiksen H, Schousboe K, Skytthe A, von Wurmb-Schwark N, Christensen K, Kyvik K. Age- and sex-differences in the validity of questionnaire-based zygosity in twins. Twin Res. 2003 Aug;6(4):275-8.

Cooper R, Blell M, Hardy R, Black S, Pollard TM, Wadsworth ME, Pearce MS, Kuh D. Validity of age at menarche self-reported in adulthood. J Epidemiol Community Health. 2006 Nov;60(11):993-7. Erratum in: J Epidemiol Community Health. 2007 Feb;61(2):175.

Habel LA, Van Den Eeden SK, Friedman GD. Body size, age at shaving initiation, and prostate cancer in a large, multiracial cohort. Prostate. 2000 May 1;43(2):136-43.

Kemp M, Gunnell D, Maynard M, Smith GD, Frankel S. How accurate is self reported birth weight among the elderly? J Epidemiol Community Health. 2000 Aug;54(8):639.

Troy LM, Michels KB, Hunter DJ, Spiegelman D, Manson JE, Colditz GA, Stampfer MJ, Willett WC. Self-reported birthweight and history of having been breastfed among younger women: an assessment of validity. Int J Epidemiol. 1996 Feb;25(1):122-7.