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The Study Subjects

(see A-3)

- Have you described where they come from? []
- Have you explained why they are an appropriate group? []
- Have you described how the study subjects will be selected? []
- Have you specified inclusion / exclusion criteria? []
- Have you specified your proposed sample size taking into account refusals/drop-outs? []

Types of Variables

(see A-4)

- Have you described all outcome and explanatory variables in terms of data type and scale of measurement? [] (see A-4.1 and A-4.2)
- Have you described how the data will be collected? [] (see A-4.3)
- If using a questionnaire or a non-standard measurement, have you provided information on its reliability and validity? [] (see A-4.4, A-4.4a, A-4.4b, A-4.4c)

Sample Size

- Have you provided a sample size calculation? [] (see D-1)
- Have you defined the outcome variable(s) used in the sample size calculation? [] (see D-5)
- Have you defined the effect size which would be of clinical importance? [] (see D-4.5)
- Have you described the power and significance level of the sample size calculation? [] (see D-4.3 and D-4.4)
- Has your sample size made allowance for expected response rates and other sample attrition? [] (see *D*-6)
- Is your sample size consistent with the study aims? [] (see D-7)
- Is your sample size consistent with the proposed analysis of the study? [] (see D-7)
- Is your description of the sample size calculation adequate? [] (See examples in D-8)

Statistical Analysis

 Have you described the proposed statistical methods using appropriate terminology? [] (see E-1.1, E-1.2) Are the proposed methods appropriate for the types of data generated by your study? [] (see E-2, E-2.1, E-11) Will the assumptions made by the proposed methods hold? (see E-4, E-4.1) Do the proposed methods take account of the structure of the data set (structure such as hierarchy, clustering, matching, paired data)? [] (see E-3, E-6.1, E-6.2, E-10) • Have important confounding factors been listed and methods of adjusting for them presented? [] (see E-5) • Will the proposed methods take account of multiple testing where appropriate? [] (see E-7.1, E-7.2, E-7.3, E-7.4, E-7.4a, E-7.4b, E-7.4c, E-7.4d, E-7.4e, E-7.4f) • Have biases due to measurement error been considered e.g. regression towards the mean? [] (see E-8) Have details on the calculation of confidence intervals been provided? [] (see E-12) For clinical trials only

•Have you specified that your analysis will be by intention to treat? [] (see E-9)