

Global health BSC

Module 2 In-Course Assessment

Format: Data Interpretation

Date: December 2012

Time allowed: 90 minutes

Instructions: please examine the attached paper before answering the questions below (NCI study on diesel exhaust).

Questions

- 1. Describe Table 1 in the paper and formulate hypotheses on potential interpretations. What is the purpose of this table? (4 marks)**
- 2. Why did the authors choose to adjust for confounding variables and why do you think they chose this particular set of confounders? Is it possible that some confounding residues? (4 marks)**
- 3. Tables 3 and 4: comment on the results shown and on a potential causal interpretation also in the light of the previous tables. How can you organize a discussion of causality? Comment on the statistical stability of the data in Tables 3 and 4. Discuss this briefly. (4 marks)**
- 4. What do the graphs in Figure 1 suggest? (4 marks)**
- 5. Which are the critical aspects of such a study? How would you improve the study? Which additional information would you like to collect? (4 marks)**