

Analysis of data and conclusions

Question Paper

Level	Pre U
Subject	Biology
Exam Board	Cambridge International Examinations
Topic	Analysis of data and conclusions
Booklet	Question Paper

Time Allowed: 10 minutes

Score: /8

Percentage: /100

Part - B

- 1 A large scale international study was carried out into the effectiveness of a type of statin in reducing the risk of major cardiovascular events, including stroke. The people taking part in the study were given either the statin or a placebo (a pill with no statin). The percentage of those who subsequently had a stroke or other major cardiovascular event was recorded. The results are shown in Table 1.1.

Table 1.1

	percentage of people having a stroke or other major cardiovascular event		significance
	placebo	statin	
stroke	6	4	$p < 0.05$
other major cardiovascular events	25	20	$p < 0.05$

- (a) Explain how statins are thought to reduce the risk of cardiovascular disease.

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- (b) Explain the importance of using a placebo in this study.

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(c) Discuss any conclusions that may be drawn from this study.

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[Total: 8]