HLSC 2003 Epidemiology Active Engagement Assignment #4 Study Critique

Group Number:									
Group Members Present:									
1.		2	3	4					
veg bic cou Me Po we	ganism during pregical rational for untry. The foods the ethods: They rando rtugal in 2009 and force used to identify	nancy and Sudden Infan their hypothesis. This as at make up a vegan diet mly selected 1000 pregr followed these women u	t Death Syndrome (SID ssociation has never be are known to be the sa nant mothers in their fi until their children were vegan or non-vegan) th	camine the association between OS). The authors did not provide a sen examined before in any ame in Portugal as other countries. First trimester from clinics across two years old. Hospital records broughout the study. Clinicians n-vegan. Coroners established					
cau	followed a standard definition when classifying women as vegan/non-vegan. Coroners established cause of death by SIDS independently of this study. It is believed little error in the measurement of the exposure and outcome took place. Control for confounding was not built into the design.								
CI: dic the age hig The oth	= 0.58 to 0.62). A do hotomous (yes/no) e course of the stude as a confounder. If the household inconse factors during part studies. The resented	exposure and outcome y 600 women were lost however, women who a me, are less likely to smoregnancy have been incomes.	ip could not be establish measures. The research to follow up. The research re vegan in Portugal armoke, and exercise mor dependently associated	40% less likely to die of SIDS (95% shed as the study used chers noted in the results that over archers adjusted the analysis for re more highly educated, have a re frequently than non-vegans. If with reduced SIDS after birth in factors and thus could not adjust					
1.	Study type:		-						
2.	What is the study	exposure and outcome:							
3.	Is the exposure a r	isk or protective factor?							

¹ <u>Note</u>: This study example was created for the purposes of this exercise. It <u>does not</u> represent finding from an actual study.

4.	What is the relative risk in this study?
Cr	itique the Quality of this Study & Importance of the Findings
1.	Is association likely due to chance (i.e. is it statistically significant)?
2.	Could association be due to systematic error? List three possible types of <u>error</u> relevant to this study type, and indicate if each were a problem.
3.	Could the association be due to confounding? (Explain why or why not using the 3 steps to assess confounding)
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Is the association s	a cause-and-effect relationship?	,	
is the association a	cause-and-effect relationship:		
Hill's Criterion Briefly State			
Postulate	Met	Why or Why Not	
1.			
1.			
2.			
2.			
2.			
3.			
3.			
3.			
3.			
4.			
4.			

	Group Assessment of Study (circle one): 1 2 3 4 5	
6.	 Name 2 factors that influenced your opinion on the quality of this study and its findings the r 1. 	nost:
	2	

Based on your critique of this study (via the 5 steps), how much confidence do you place in the findings ($\mathbf{1} = \text{no confidence should be placed in these findings}$; to $\mathbf{5} = \text{the Government of Canada should advise}$

all pregnant women to follow a vegan diet immediately):