

1. 請闡釋下表，並就你所知補充說明鎘(Cadmium) 及職業疾病的關係。(25%)

Studies on renal cancer and occupational exposure to cadmium

Publication	Cases/Controls	Exposure to cadmium	Relative risk estimate	
			Men	Women
Hu et al., 2002	1279/5380	Exposure to cadmium salts		
		1-5 years vs. <1 year	1.0 (0.4-3.0)	0.9 (0.3-2.7)
Pesch et al., 2000	935/2133	≥6 years vs. <1 year	2.7 (1.3-5.5)	2.4 (1.2-5.0)
		Job exposure matrices (JEM)	British JEM	
		Levels of exposure	Men	Women
		Medium vs. Low	1.4 (1.1-2.0)	1.1 (0.6-2.0)
		High vs. Low	1.3 (0.9-1.8)	1.5 (0.9-2.6)
			German JEM	
Mandel et al., 1995	1732/2309	Medium vs. Low	0.8 (0.6-1.2)	0.8 (0.2-2.5)
		High vs. Low	1.4 (1.1-1.8)	5.0 (1.2-5.3)
		≥1 year exposure at work	= 2.0 (1.0-3.9) (men only)	
McCredie and Stewart, 1993	489/523	≥1 year work exposure	1.13 (0.45-2.82)	
Partanen et al., 1991	408/819	Score of individual work histories	4.37 (0.44-43.0) (only 3 exposed cases)	
Armstrong and Kazantzis, 1985	9/27	Cumulative exposure based on work history	Very small sample size, no reliable estimate reported.	
Kolonel, 1976	64/269	≥1 year work exposure	2.6	

2. 如果給您研究題目為:「Reversibility of microproteinuria in lead battery workers after removal from exposure」, 請簡要敘述您的執行計畫, 包括學術或實務上之意義、研究對象、執行步驟、統計方法及預期結果。(20%)

3. 國內每年發生許多密閉空間傷害事故如彰化醬菜工廠事件、石化廠儲槽事故、漁船維修人員意外災害等, 請詳述您所知悉的密閉空間相關傷害事故以及可行的事前準備事項、預防工作、緊急處理和事後相關事宜。(25%)

4. 社會上逐漸重視「過勞死」相關議題, 請論述職業壓力與健康的關係並提出你對「職業引起急性循環系統疾病」判斷原則之見解。(20%)

5. 解釋名詞: Healthy worker effect (5%)

Material safety data sheets (MSDS) (5%)