

D. Bisittor
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The Epidemiology of PCBs

William R. Gaffey, Ph.D.

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Table 1

PCB Epidemiology Studies (other than mortality) and Summary of Findings*

	Dermatologic Findings	Physiological Parameters	Symptoms and Illness	Other
Alvarez et al [27]		Y		
Behar et al [11]	N	Y	N	
Bungarner et al [12]		N		
Fischbein et al [23]	Y	Y	Y	
Hara et al [13,14]	Y	Y		
Hasegawa et al [15]	Y	Y		
Inoue et al [16]	Y			
Karppanen, Kolho [17]				N
Kitamura et al [18]	Y	N		
Kreiss et al [10]		Y		
Maroni et al [24]	Y	Y		
Moigs et al [3]	Y	Y		
Michigan Dept of Public Health [9]	N		N	
Osw et al [20]	Y	N		
Smith et al [21]	N	Y	Y	
South Carolina Dept. of Health and Environmental Control [22]				N
Warsaw et al [26]		Y	Y	

* Y = Findings associated with exposure

N = No findings associated with exposure

No entry = No data presented

Table 2

REQUIREMENTS FOR ESTABLISHING CARCINOGENICITY
FROM EPIDEMIOLOGICAL EVIDENCE

- Positive associations in groups of individuals with known exposure (case-control or cohort studies).
- That are not explained by bias in recording or detection.
- That are not explained by confounding.
- That are not explained by chance.

Table 3
Inconsistencies in Studies of Cancer in
PCB Exposed Populations, with Findings

<u>Study</u>	<u>No. Studied</u>	<u>Findings</u>
Bahn et al [29,30]	92	Melanoma**
Zack, Musch [31]	89	Lung
Brown, Jones [32]	2,567	Liver Rectum
Bertazzi et al [33]	1,310	Digestive* Lymphatic and hematopoietic

* Significant at 5 percent level

** Significant at 1 percent level

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