

Table 2.1 Estimated exposures to 2,3,7,8-TCDD (ng/kg blood lipid) of selected study populations

Study	Date(s) or duration of exposure	Date of sampling	No. of workers	Mean measured 2,3,7,8-TCDD blood concentration	Back-calculated to exposure date
Industrial workers					
BASF (Germany) (Ott <i>et al.</i> , 1993)	1953 (accident)	1988–92	138	15.4 (geom.)	geom. mean: [~ 400] ^a (1008: estimated cumulative concentration at time of exposure in workers with severe chloracne)
Boehringer-Ingelheim (Germany) (Flesch-Janys <i>et al.</i> , 1995, 1998; Kogevinas <i>et al.</i> , 1997)	13.1 years	1985–94	48	84.1 (median)	141 (3–2252) (measured levels for the total cohort)
	Mean of 5.4 years after end of exposure		48 (same 48 as above)	48.9 (median)	
USA (Fingerhut <i>et al.</i> , 1991)	1987 (15–37 years after employment)		253 (from 2 of 12 plants)	233	~ 2000 (mean) 32 000 (max.)
	> 1 year of exposure		119	418	
Netherlands (Hooiveld <i>et al.</i> , 1996, 1998)	1955–1985 (factory A)	1993	48	22.9 (production) (geom.) 87.2 (1963 accident) (geom.)	geom. mean: 286 (17–1160) 1434 (301–3683)
Handling and spraying of 2,4,5-T					
Ranch Hand/ US Viet Nam veterans (Nygren <i>et al.</i> , 1988)	Late 1960s	1984–85	9	46.3 (arith.)	[~ 180] ^a
				15.7 (geom.)	[~ 60] ^a
Ranch Hand/ US Viet Nam veterans (Wolfe <i>et al.</i> , 1990)	Late 1960s	1987	888	12.4 (median)	[~ 50] ^a

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Handling and spraying of 2,4,5-T (contd)					
New Zealand (Smith <i>et al.</i> , 1992)	1953–88 (mean duration of exposure, 16 years)	1988	9	53.3	~ 300 (in 1970)
Seveso accident, Italy					
Mocarelli <i>et al.</i> (1990)	1976	1976	19 (zone A)	828–56 000 (range of individuals)	
Landi <i>et al.</i> (1996)	1976	[1992–93]	6 (zone A)	61.5 (mean)	333.8
				71.5 (median)	388.7
			52 (zone B)	16.8 (mean)	111.4
				12.5 (median)	77.6
			52 (outside)	5.3 (mean)	
				5.5 (median)	

^a Values in [] calculated by the Working Group