

Table 5 TCDD and I-TEQ blood levels in general population samples since 1990 (age 40+ only)

Reference	Midpoint sampling year	n	Mean TCDD ng/kg lipid base	Mean I-TEQ ng/kg lipid base	Population, sample, type	Mean age in years (range)	Country
This study	2002	40	4.0	25.0	General population near and away from industry, female	64 (42–79)	UK
26	1990	25	3.6	42.9	Controls for comparative study, male	41	Germany
27	1997	20	1.9	27	Residents of Tarragon, male and female	42	Spain
15	Early 1990s	3*	ND (3.0)	49.6	Non-fish eaters in angler study	>50 group	Canada

28	1993	18	SMA: 2.5 SMB: 4.4 SMC: 4.6	SMA: 40 SMB: 47 SMC: 59	Control workers in sawmill (SM) study	SMA: 46 SMB: 39 SMC: 45	Finland
29	1993	11	1.5	15.7	Blood donors, Madrid	19–55	Spain
13	1996	44	2.8	19.1	Controls from range of studies, male and female	49 (43–71)	Germany
10	Not specified	61	1.3	10.8	Controls Time Beach Missouri incinerator study	18–64	USA
12	Not specified	19	1.3	56–65: 20.2	Controls of incinerator study	18–65	Taiwan
30	1991	95	4.6	42.7	General population, sex distribution not specified	45 (12–82)	Germany
31	1999	46	2.4	NA	Non-Vietnam controls, male	49	USA

32	1996	400	2.3	18.7 ⁵	Comparison population derived from US based studies in five US States	45	USA
33	1992	244	3.2	NA	Ranch Hand study controls, male	53 (43–76)	USA
	1997	117	2.0			58 (47–80)	
16	2000	63	NA	24	Controls of incinerator study	53	Belgium
34	2001	2 [†]	3.8	8.2 [‡]	Not specified	>40	Laos

*Pooled from n=176.

[†]Pooled from n=50 samples.

[‡]WHO-TEQ D/F only.

ND, not detected (detection limit); SMA, SMB, SMC, sawmills A, B, C; NA, not available.