

Table 1: Studies of formaldehyde levels in residential indoor air conducted in different nations, reported in chronological order (modified from IARC, 2006)

Nation	Year of sampling	N. of samples	Mean concentration or mean range ($\mu\text{g m}^{-3}$)	Range ($\mu\text{g m}^{-3}$)	Comments	References
USA	1981-1984	273	44.0 ^b	NR	Various localities	Shah & Singh (1988)
USA	1984	48 45	50.4 44.3	NR NR	Kitchen Main bedroom	Sexton et al. (1986)
Austria	1988-1989	234 apartments	< 36.9-123 123-615 >615	-	33% of the apartments 48% of the apartments 19% of the apartments	Koeck et al. (1997)
Canada	1989-1995	151	35.9 (29.8 ^b)	NR	Pooled data from 5 studies at various location	Liteplo & Meek (2003)
United Kingdom	1991-1992	17 40	18.4 4.2	ND-114.5 ND-12.7	West London North London	Williams et al. (1996)
USA	1992-1993	9	26 49	8-66 33-81	Prior to occupancy After 5 months of occupancy	Lindstrom et al. (1995)
USA	1993	14 26	13.6 19.8	7.4-19.8 7.2-66.2	Winter measurements Summer measurements	Reiss et al. (1995)
Australia	1994-1995	NR	15.5 ^b 16.97 ^b 13.9 ^b 14.0 ^b	< 0.3-105 < 0.3-108 < 0.3-108	80 homes Bedroom Living room Kitchen	Garrett et al. (1997, 1999)
USA	NR	419	460	ND-6600	53 homes (75% urban, 25% rural), seasonal differences	Lemus et al. (1998)
Mexico	1996-1998	50	37-47	12-81	Measured in two homes	Báez et al. (2003)
USA	1997-1998	4 7	41.8 44.3	25.8-57.8 17.2-71.3	Manufactured houses Site-built houses	Hodgson et al. (2000)
Sweden	1998	27	8.3 ^a	max. 19	-	Sakai et al. (2004)
Hungary	1998	123	17.5	0.6-56.7	Homes in 6 medium-sized cities	Erdei et al. (2003)
Japan	1998	37	17.6 ^a	max. 73	-	Sakai et al. (2004)
Japan	1998-2001	1642	120 (95.7 ^b)	max. 979	From 1422 homes	Park & Ikeda (2003)
Japan	1999	104	NR	0-740	Data from figure: 29% of the homes >100 $\mu\text{g}/\text{m}^3$	Sakaguchi & Akabayashi (2003)
Egypt	1999	294 147 147	109.5 123 123 107.7 129.9	43.0-236.2 36.9-262 34.4-276.7 NR NR	7 apartments Kitchen Bedroom Living room Spring measurements Summer measurements	Khoder et al. (2000)
USA	1999	38 41	12.1 20.9	NR NR	Winter measurements Summer measurements	Kinney et al. (2002)
USA	2000	NR	94.9	NR	New manufactured houses	Hodgson et al. (2002)
Japan	2000	171	135.3 147.6	24.6-1072.6 13.5-1033.2	From 81 homes Active DNPH method Detector tube method	Azuma et al. (2003)
Japan	2000-2001	25 21	18.7 ^a 12.4 ^a	NR	Summer measurements Winter measurements	Ohura et al. (2005)
Canada	NR	28 3 34 6	7.3 9.2 8.2 9.9	max. 20.2 max. 19.7 max. 23.4 max. 19.5	Cellar (combustion sources) Cellar (no combustion) Ground floor (combustion sources) Ground floor (no combustion)	Lévesque et al. (2001)

NR: not reported
^aGeometric mean

ND: not measured
^bMedian

Table 1: continued

France	2001	61	21.7 ^a	NR	Kitchen	Clarisse et al. (2003)
		61	24.2 ^a	NR	Living room	
		61	24.5 ^a	NR	Bedroom	
Canada	2002	59	39.0 (29.6 ^b)	5.5-87.5	Homes built after 1970	Gilbert et al. (2004)
Canada	2005	96	29.5 ^a	9.6-90.0	96 homes	Gilbert et al. (2006)
		41	37.6 ^a		Electric heating	
		13	22.9 ^a		Oil heating	
		22	23.6 ^a		Gas heating	
		20	26.8 ^a		Mixed/other heating	
Italy	NR	38	20.7 ^b	NR	North Italy	Fuselli & Zanetti (2006)
European Union	NR	10	14.4-30.7	NR	10 different cities	Bruinen de Bruin et al. (2008)

NR: not reported

ND: not measured

^aGeometric mean^bMedian