

SCOOP 3.2.11 – Intake of As, Cd, Pb and Hg

Food group code	Food name	No. of samples	Reference	Year of sampling	Type of water ¹	Mean level of total Hg	Median level of total Hg	Min	Max
Ireland cont.									
	Cuckoo ray	30		1996		0.0800		0.0700	0.0900
	Forkbeard	10		1997		0.0900		0.0900	0.0900
	Gurnard	10		1999		0.0900		0.0900	0.0900
	Haddock	154		1996 - 2001		0.0795		0.0100	0.2700
	Hake	82		1996 - 2001		0.0790		0.0300	0.1500
	Herring	32		1996 - 2001		0.0760		0.0400	0.1000
	John dory	10		1996		0.0700		0.0700	0.0700
	Kipper Fillets	2		2001		0.0400		0.0200	0.0600
	Lemon sole	71		1996 - 2001		0.0713		0.0300	0.1400
	Ling	49		1996 - 2000		0.1680		0.1100	0.2900
	LOBSTER	1		2001		0.3400		0.3400	0.3400
	M.edulis	2150		1996 - 2000		0.0209		0.0200	0.0400
	Mackerel	129		1996 - 2001		0.0410		0.0200	0.0800
	Megrim	110		1996 - 2000		0.0900		0.0200	0.3300
	monk/angler fish	90		1996 - 2000		0.1267		0.0800	0.1800
	Norway lobster	50		1996		0.0900		0.0800	0.1000
	O.edulis	300		1996 - 2000		0.0309		0.0200	0.0500
	Plaice	187		1996 - 2001		0.0474		0.0100	0.1000
	Pollack	10		1996		0.0500		0.0500	0.0500
	Pollock	19		2000		0.1250		0.0500	0.2000
	Prawns	121		1997 - 2001		0.1143		0.0200	0.2400
	Rainbow Trout	1		2001		0.0500		0.0500	0.0500
	Saithe	5		1999		0.2500		0.2500	0.2500
	Salmon	321		1999 - 2001		0.0381		0.0200	0.0900
	Salmon (tinned)	1		2001		0.0200		0.0200	0.0200
	Sardines	4		2001		0.0263		0.0200	0.0500
	Scottish Brisling	1		2001		0.0200		0.0200	0.0200
	Skate/Ray	45		1998 - 2000		0.0800		0.0300	0.1000
	Skippers	1		2001		0.0500		0.0500	0.0500
	Sole Fillet Loose	1		2001		0.0200		0.0200	0.0200
	Torsk	9		1999		0.1600		0.1600	0.1600
	Trout	51		1999 - 2001		0.0459		0.0256	0.1000
	Tuna	14		1998 - 2001		0.1667		0.0600	0.5500
	Tuna (tinned)	1		2001		0.0300		0.0300	0.0300
	White Crab Meat	2		2001		0.0850		0.0700	0.1000
	White sole	20		1996		0.2000		0.1300	0.2700
	Whiting	161		1996 - 2001		0.0733		0.0100	0.2000
	Witch	20		2000		0.0850		0.0800	0.0900
	Wolf-fish	10		1999		0.1900		0.1900	0.1900
	Cod (processed)	28		2001		0.0280		0.0100	0.0600

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	Crab Flakes	1		2001		0.0050		< 0.01	< 0.01
	Fish portions, fingers, etc.	9		2001		0.0156		<0.0100	0.0500
	Frozen Fish	1		2001		0.0300		0.0300	0.0300
	Frozen Prawns	1		2001		0.0900		0.0900	0.0900
	Salmon Pate	1		2001		0.0300		0.0300	0.0300
	Whiting	2		2001		0.0200		0.0200	0.0200
	Kippers	1		2001		0.0400		0.0400	0.0400
	Roilmop Herring	1		2001		0.0100		0.0100	0.0100
	Smoked Fish	1		2001		1.2600		1.2600	1.2600
	Smoked Haddock	2		2001		0.1400		0.1000	0.1800
	Smoked Kippers	5		2001		0.0520		0.0100	0.0800
	Smoked Mackerel	9		2001		0.0622		0.0300	0.0900
	Smoked Mussels	1		2001		0.0050		< 0.01	< 0.01
	Smoked Salmon	2		2001		0.0350		0.0200	0.0500
	Smoked Tuna	1		2001		0.0300		0.0300	0.0300
	Woodoak Smoked Sprat	1		2001		0.0500		0.0500	0.0500
	Brisling (tinned)	1		2001		0.0400		0.0400	0.0400
	Mackerel (tinned)	1		2001		0.0400		0.0400	0.0400
	Pink Salmon	5		2001		0.0320		0.0200	0.0500
	Red Salmon	5		2001		0.0460		0.0200	0.0800
	Salmon (tinned)	3		2001		0.0217		0.0300	0.0300
	Sardines (tinned)	5		2001		0.0430		0.0400	0.0700
	Tuna (tinned)	14		2001		0.1071		0.0100	0.2900
	Cinnamon	1		2001		0.0100		0.0100	0.0100
	Tuna Salad	1		2001		0.0300		0.0300	0.0300
	Haddock & Pasta Bake	1		2001		0.0400		0.0400	0.0400

Note: Table does not include all occurrence data (excluded are not quantified data and data from highly contaminated areas. For these please see main table in the Annex

Italy									
9.1.3.2	Spider octopus	300	IT-011	1997		0.27		0.18	0.42
9.1.3.1	Broadtail squid	212	IT-011	1997		0.07		0.05	0.12
9.1.1.29	Tuna	97	IT-017	1997		0.21*			
9.1.1.25	Shark (all species)	54	IT-017	1997		0.45*			
9.1.3.1	Calamary	109	IT-017	1997		0.09*			
9.1.3.2	Octopus	118	IT-017	1997		0.11*			
9.1.3.3	Cuttle-fish	92	IT-017	1997		0.10*			
9.1.3.1	Squid	45	IT-017	1997		0.13*			
9.1.4.3	Prawn & shrimp	111	IT-017	1997		0.10*			
9.1.1.30	Cod & hake	233	IT-017	1997		0.12*			
9.1.1.30	Sole	106	IT-017	1997		0.11*			
9.1.1.30	Plaice	11	IT-017	1997		0.10*			
9.1.1.30	Salmon	12	IT-017	1997		0.09*			
9.1.1.8	Pilchard	164	IT-017	1997		0.11*			

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Italy cont.									
9.1.1.9	European anchovy	198	IT-017	1997		0.09*			
9.1.1.30	Mackerel	61	IT-017	1997		0.13*			
9.1.2.1	Mussel	209	IT-017	1997		0.10*			
9.1.2.3	Venus & Carpet shell	96	IT-017	1997		0.08*			
9.1.4.3	Squill or mantis shrimp	720	IT-004	1998		0.14		0.05	0.23
the Netherlands									
	anchovy	1	NL/003	1998		0.05			
	anchovy	10	NL/003	2001		0.051	0.045	0.01	0.13
	flounder	1	NL/003	1999		0.14			
	trout	2	NL/003	1999		0.015	0.015	0.01	0.02
	shrimp	6	NL/003	1999		0.027	0.03	0.02	0.03
	mixed vegetables	1	NL/003	1998		0.003			
	herring	1	NL/003	1998		0.04			
	herring	2	NL/003	1999		0.03	0.03	0.03	0.03
	herring	8	NL/003	2001		0.032	0.03	0.1	0.08
	heek	2	NL/003	1999		0.05	0.05	0.04	0.06
	squid	1	NL/003	1998		0			
	Squid	1	NL/003	1999		0.01			
	squid	3	NL/003	2001		0.03	0.03	0.01	0.05
	cod fish	4	NL/003	1999		0.062	0.055	0.03	0.11
	crab	1	NL/003	1997		0.033			
	crab	3	NL/003	2001		0.05	0.05	0.04	0.06
	mackerel	3	NL/003	1998		0.034	0.03	0.02	0.052
	mackerel	1	NL/003	1999		0.02			
	mackerel	5	NL/003	2001		0.04	0.03	0.01	0.08
	Nile perch	1	NL/003	1999		0.06			
	oysters	1	NL/003	2001		0.01			
	other shellfish	1	NL/003	2001		0.02			
	other fish products	3	NL/003	1997		0.02	0.03	0.005	0.03
	other fish products	1	NL/003	1999		0.03			
	other fish products	16	NL/003	2001		0.037	0.02	0.005	0.17
	other fish species	13	NL/003	1999		0.085	0.05	0.01	0.34
	other fish species	5	NL/003	2001		0.155	0.08	0.005	0.42
	other fish species	9	NL/003	2002		0.314	0.31	0.2	0.56
	eel	3	NL/003	1999		0.057	0.04	0.02	0.11
	eel	1	NL/003	2001		0.08			
	gurnard	1	NL/003	1999		0.16			
	sardines	3	NL/003	1997		0.035	0.037	0.029	0.038
	sardines	4	NL/003	1998		0.071	0.086	0.01	0.101
	sardines	26	NL/003	2001		0.03	0.01	0.01	0.16
	dab	7	NL/003	1999		0.08	0.08	0.02	0.15
	haddock	1	NL/003	2001		0.01			
	haddock	3	NL/003	1999		0.05	0.05	0.04	0.06
	plaice	9	NL/003	1999		0.038	0.04	0.02	0.06
	St jacob shells	1	NL/003	1999		0.01			
	lemon sole	6	NL/003	1999		0.063	0.04	0.01	0.19
	tuna	4	NL/003	1997		0.123	0.138	0.036	0.178
	tuna	4	NL/003	1998		0.019	0.19	0.03	0.035
	tuna	1	NL/003	1999		0.28			
	tuna	14	NL/003	2001		0.196	0.105	0.05	0.77
	whiting	3	NL/003	1999		0.043	0.02	0.02	0.09

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the Netherlands cont.									
	salmon	5	NL/003	1997		0.036	0.037	0.031	0.04
	salmon	1	NL/003	1999		0.02			
	salmon	3	NL/003	2001		0.043	0.04	0.01	0.08
Norway									
9	Saltwater fish	580		1994-2000		0.0595		0.004	0.26
9	Freshwater fish	1135		1997-2001		0.2936		0.024	3.98
9	Shellfish	75		1994-1996		0.0908		0.02	0.191
Portugal									
	tomate paste	1	PT-040	2001		0.03	0.03	0.03	0.03
	cereal flour	7	PT-050	200-2001		0.056		0.03	0.09
	breakfast cereals	10	PT-040	2001				0.001	0.003
	bread	3	PT-040	2001				0.001	0.062
	liver(bovine,caprine,quail,rabbit,chicken,wild boar, ovine, turkey, pork, deer equine)	274	PT-050	2001		0.03		0.01	0.10
	fresh fish	515	PT040,020,061,110,064,062,063,064	1998-2002		0.3235		0.01	1.66
	bivalves e molluscs	62	PT-020,061,110,062	1998-2002		0.0795		0.01	0.19
	canned fish	7370	PT-020,065,110,120,040	1990-2002				<0.005	1.27
	sugar	11	PT-020	2002		<0.025	<0.025	<0.025	<0.025
	salt	9	PT-040	2000					0.03
Sweden									
9.1.1	Fish	333	SE 002.003	1992-93, 2001		0.21		0.01	2.2
United Kingdom									
Total Diet Study									
1.2.2.2	Dairy produce	20	0	1997		0.002		<0.001	0.002
1.1	Milk	20	0	1997		0.0004		<0.0004	0.0004
2	Oil & fats	20	0	1997		0.003		<0.003	0.004
4.1.1	Fresh fruit	20	0	1997		0.0006		<0.00006	0.0006
4.1.2	Fruit products	20	0	1997		0.0008		<0.0006	0.003
4.2	Green vegetables	20	0	1997		0.0004		<0.0004	0.0005
4.2	Other Vegetables	20	0	1997		0.0006		<0.0006	0.0008
4.2	Potatoes	20	0	1997		0.001		<0.001	<0.001
4.2.2.4	Canned vegetables	20	0	1997		0.0009		<0.0006	0.0067
4, 5, 11	Sugar and preserves	20	0	1997		0.003		<0.003	<0.003
6	Miscellaneous cereals	20	0	1997		0.004		<0.001	0.009
7.1.1	Bread	20	UK/010	1997		0.002		<0.001	0.004
8	Carcase meat	20	UK/010	1997		0.001		<0.001	0.003
8	Poultry	20	UK/010	1997		0.002		<0.001	0.006
8.3	Meat Products	20	UK/010	1997		0.003		0.002	0.006
8.4	Offal	20	UK/010	1997		0.0052		0.002	0.0103
9	Fish	20	UK/010	1997		0.043		0.017	0.092
10	Eggs	20	0	1997		0.0013		<0.0009	0.0028
14	Beverages	20	0	1997		0.0004		<0.0004	<0.0004
15.2	Nuts	20	0	1997		0.003		<0.003	<0.003
Ad hoc									
9.1.1	Fish and Shellfish	110	UK/003	1996-1997	0.08			0.016	0.24
9.1.2	Fish and Shellfish	9	UK/003	1996-1997	0.03			0.008	0.11

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United Kingdom cont.									
9.1.3	Fish and Shellfish	3	UK/003	1996-1997	0.04			0.016	0.058
9.1.4	Fish and Shellfish	12	UK/003	1996-1997	0.129			0.051	0.49
9.1 - other ²	Fish and Shellfish	7	UK/003	1996-1997	0.032			0.001	0.046
9.2.2	Fish and Shellfish	3	UK/003	1996-1997	0.016			0.006	0.025
13	Infant Foods	96	UK/001/011	1997-1999	0.001			<0.0003	0.01
14	Beverages ³	91	UK/004/005	1997	0.002			0.00002	0.03
4, 6, 14, 1, 16, 12, 2	Vegetarian Foods	99	UK/006/007	1997-1998	0.005			0.001	0.008
1, 7, 16, 15, 9, 1, 8, 4, 12, 14, 6	Snack and Convenience foods	298	UK/002	1996-1999	0.007			0.005	0.082

¹ Upper bound mean. ² Cockles and winkles. ³ Including 4 samples of 5.1(dried chocolate drinks) and 3 samples of 1.1.4 (flavoured milks/yoghurts)

References for mercury in 5.1

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