SUPPORTING INFORMATION

Length of employment in workplaces handling hazardous chemicals and risk of cancer among men: a nationwide case-control study in Japan

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Supplementary Table 1. List of chemicals for which special medical examinations are required

Substances	CAS No.	Content (Weight Percent) for GHS Label (no less than, NLT)	Content (Weight Percent) for SDS (no less than, NLT)
Sepcified chemical substances			
Dichlorobenzidine and its salts	91-94-1 etc	0.1%, NLT	0.1%, NLT
α-Naphthylamine and its salts	134-32-7 etc	1%, NLT	1%, NLT
Polychlorinated biphenyl (alias PCB)	-	0.1%, NLT	0.1%, NLT
o-Tolidine and its salts	119-93-7 etc	1%, NLT	0.1%, NLT
Dianisidine and its salts	119-90-4 etc	1%, NLT	0.1%, NLT
Beryllium and its compounds	-	0.1%, NLT	0.1%, NLT
Benzotrichloride	98-07-7	0.1%, NLT	0.1%, NLT
Acrylamide	79-06-1	0.1%, NLT	0.1%, NLT
Acrylonitrile	107-13-1	1%, NLT	0.1%, NLT
Antimony trioxide	1309-64-4	0.1%, NLT	0.1%, NLT
Indium compounds	-	0.1%, NLT	0.1%, NLT
Ethylbenzene	100-41-4	0.1%, NLT	0.1%, NLT
Ethyleneimine	151-56-4	0.1%, NLT	0.1%, NLT
Ethylene oxide	75-21-8	0.1%, NLT	0.1%, NLT
Vinyl chloride	75-01-4	0.1%, NLT	0.1%, NLT
Chlorine	7782-50-5	1%, NLT	1%, NLT
Auramine	492-80-8	1%, NLT	0.1%, NLT
o-Phthalodinitrile	91-15-6	1%, NLT	1%, NLT
Cadmium and its compounds	-	0.1%, NLT	0.1%, NLT
Chromic acid and its salts	-	0.1%, NLT	0.1%, NLT
Dichromic acid and its salts	-	0.1%, NLT	0.1%, NLT
Chloroform	67-66-3	1%, NLT	0.1%, NLT
Chloromethyl methyl ether	107-30-2	0.1%, NLT	0.1%, NLT
Vanadium pentaoxide	1314-62-1	0.1%, NLT	0.1%, NLT
Coal tar	-	0.1%, NLT	0.1%, NLT
Propylene oxide; 1,2-Epoxypropane	75-56-9	0.1%, NLT	0.1%, NLT
Potassium cyanide	151-50-8	1%, NLT	1%, NLT
Hydrogen cyanide	74-90-8	1%, NLT	1%, NLT
Sodium cyanide	143-33-9	1%, NLT	0.1%, NLT
Carbon tetrachloride	56-23-5	1%, NLT	0.1%, NLT
1,4-Dioxane	123-91-1	1%, NLT	0.1%, NLT
1,2-Dichloroethane	107-06-2	1%, NLT	0.1%, NLT
3,3'-Dichloro-4,4'-diaminodiphenylmethane; 4,4'-Methylenebis(2-chloroaniline)	101-14-4	0.1%, NLT	0.1%, NLT

1,2-Dichloropropane	78-87-5	0.1%, NLT	0.1%, NLT
Dichloromethane (alias Methylenedichloride)	75-09-2	1%, NLT	0.1%, NLT
Dimethyl 2,2-dichlorovinyl phosphate; 2,2-Dichloroethenyl dimethyl phosphate (alias DDVP)	62-73-7	1%, NLT	0.1%, NLT
1,1-Dimethylhydrazine	57-14-7	0.1%, NLT	0.1%, NLT
Methyl bromide	74-83-9	1%, NLT	0.1%, NLT
Refractory ceramic fibres	142844-00-6	1%, NLT	0.1%, NLT
Styrene	100-42-5	0.3%, NLT	0.1%, NLT
1,1,2,2-Tetrachloroethane (alias Tetrachloroacetylene)	79-34-5	1%, NLT	0.1%, NLT
Tetrachloroethylene (alias Perchloroethylene)	127-18-4	0.1%, NLT	0.1%, NLT
Trichloroethylene	79-01-6	0.1%, NLT	0.1%, NLT
Tolylene diisocyanate	26471-62-5 etc	1%, NLT	0.1%, NLT
o-Toluidine	95-53-4	0.1%, NLT	0.1%, NLT
Naphthalene	91-20-3	1%, NLT	0.1%, NLT
Nickel carbonyl	13463-39-3	0.1%, NLT	0.1%, NLT
Nitroglycol	628-96-6	1%, NLT	1%, NLT
p-Dimethylaminoazobenzene	60-11-7	1%, NLT	0.1%, NLT
p-Nitrochlorobenzene	100-00-5	1%, NLT	0.1%, NLT
Hydrogen fluoride	7664-39-3	1%, NLT	0.1%, NLT
β-Propiolactone	57-57-8	0.1%, NLT	0.1%, NLT
Benzene	71-43-2	0.1%, NLT	0.1%, NLT
Pentachlorophenol (alias PCP)	87-86-5	0.3%, NLT	0.1%, NLT
Pentachlorophenol (alias PCP) sodium salts	131-52-2	0.3%, NLT	0.1%, NLT
Formaldehyde	50-00-0	0.1%, NLT	0.1%, NLT
Magenta	632-99-5	1%, NLT	0.1%, NLT
Manganese	7439-96-5	0.3%, NLT	0.1%, NLT
Methyl isobutyl ketone	108-10-1	1%, NLT	0.1%, NLT
Methyl iodide	74-88-4	1%, NLT	1%, NLT
Hydrogen sulfide	7783-06-4	1%, NLT	1%, NLT
Dimethyl sulfate	77-78-1	0.1%, NLT	0.1%, NLT
Alkylmercury compounds	-	0.3%, NLT	0.1%, NLT
Arsenic and its compounds	-	0.1%, NLT	0.1%, NLT
Nickel compounds	-	0.1%, NLT	0.1%, NLT
Manganese inorganic compounds	-	1%, NLT	0.1%, NLT
Cobalt and its compounds	-	0.1%, NLT	0.1%, NLT
Mercury and its inorganic compounds	-	0.3%, NLT	0.1%, NLT
Organic solvents			
1,2-Dichloroethylene; 1,2-Dichloroethene	540-59-0	1%, NLT	0.1%, NLT
Carbon disulfide	75-15-0	0.3%, NLT	0.1%, NLT
Acetone	67-64-1	1%, NLT	0.1%, NLT

Isopentyl alcohol (alias Isoamylalcohol)	123-51-3	1%, NLT	1%, NLT
Ethyl ether	60-29-7	1%, NLT	0.1%, NLT
Ethylene glycol monoethyl ether (alias Cellosolve)	110-80-5	0.3%, NLT	0.1%, NLT
Ethylene glycol monoethyl ether acetate (alias Cellosolve acetate)	111-15-9	0.3%, NLT	0.1%, NLT
Ethylene glycol mono-n-butyl ether (alias Butyl cellosolve)	111-76-2	1%, NLT	0.1%, NLT
Ethylene glycol monomethyl ether (alias Methyl cellosolve)	109-86-4	0.3%, NLT	0.1%, NLT
o-Dichlorobenzene	95-50-1	1%, NLT	1%, NLT
Xylene	1330-20-7	0.3%, NLT	0.1%, NLT
o-Xylene	95-47-6	0.3%, NLT	0.1%, NLT
m-Xylene	108-38-3	0.3%, NLT	0.1%, NLT
p-Xylene	106-42-3	0.3%, NLT	0.1%, NLT
Cresol	1319-77-3	1%, NLT	0.1%, NLT
o-Cresol	95-48-7	1%, NLT	0.1%, NLT
m-Cresol	108-39-4	1%, NLT	0.1%, NLT
p-Cresol	106-44-5	1%, NLT	0.1%, NLT
Chlorobenzene	108-90-7	1%, NLT	0.1%, NLT
Ethyl acetate	141-78-6	1%, NLT	1%, NLT
n-Butyl acetate	123-86-4	1%, NLT	1%, NLT
Isobutyl acetate	110-19-0	1%, NLT	1%, NLT
n-Propyl acetate	109-60-4	1%, NLT	1%, NLT
Isopropyl acetate	108-21-4	1%, NLT	1%, NLT
n-Pentyl acetate (alias n-Amyl acetate)	628-63-7	1%, NLT	0.1%, NLT
Isopentyl acetate (alias Isoamyl acetate)	123-92-2	1%, NLT	0.1%, NLT
Methyl acetate	79-20-9	1%, NLT	1%, NLT
Cyclohexanol	108-93-0	1%, NLT	0.1%, NLT
Cyclohexanone	108-94-1	1%, NLT	0.1%, NLT
N,N-Dimethylformamide	68-12-2	0.3%, NLT	0.1%, NLT
Tetrahydrofuran	109-99-9	1%, NLT	0.1%, NLT
1,1,1-Trichloroethane	71-55-6	1%, NLT	0.1%, NLT
Toluene	108-88-3	0.3%, NLT	0.1%, NLT
1-Butanol	71-36-3	1%, NLT	0.1%, NLT
2-Butanol	78-92-2	1%, NLT	0.1%, NLT
Isobutanol	78-83-1	1%, NLT	0.1%, NLT
Isopropyl alcohol	67-63-0	1%, NLT	0.1%, NLT
n-Hexane	110-54-3	1%, NLT	0.1%, NLT
Methanol	67-56-1	0.3%, NLT	0.1%, NLT
Methyl ethyl ketone	78-93-3	1%, NLT	1%, NLT

Methylcyclohexanol	25639-42-3 etc	1%, NLT	1%, NLT
Methylcyclohexanone	1331-22-2 etc	1%, NLT	1%, NLT
Methyl n-butyl ketone	591-78-6	1%, NLT	1%, NLT
Gasoline	8006-61-9	1%, NLT	0.1%, NLT
Coal tar naphtha	-	1%, NLT	1%, NLT
Petroleum ether	-	1%, NLT	1%, NLT
Petroleum naphtha	-	1%, NLT	1%, NLT
Petroleum benzine	-	1%, NLT	1%, NLT
Turpentine oil	8006-64-2	1%, NLT	0.1%, NLT
Mineral spirits (include mineral thinner, petroleum spirits, white spirits and mineral turpentine)	64742-47-8	1%, NLT	1%, NLT
Lead			
Lead acetate	301-04-2	0.3%, NLT	0.1%, NLT
Tetraalkyllead	-	—	0.1%, NLT
Lead stearate	1072-35-1	0.1%, NLT	0.1%, NLT
Lead and its inorganic compounds	-	0.1%, NLT	0.1%, NLT

Supplementary Table 2. Length of employment (in years) in workplaces handling hazardous chemicals and risk of cancer among men under 70 years old[a]

			Categorical cumulative exposure		Continuous cumulative exposure (5-year increase)	
Cancer site	Length (in years)	N of Exposed cases	OR	(95% CI)	OR	(95% CI)
All cancers	1 to 10	281	0.86	(0.75 to 1.00)	1.00	(1.00 to 1.01)
	11 to 20	301	0.88	(0.76 to 1.01)		
	21+	2062	1.02	(0.97 to 1.08)		
Lung	1 to 10	41	1.83	(1.17 to 2.86)	1.09	(1.06 to 1.11)
	11 to 20	38	1.52	(0.97 to 2.39)		
	21+	287	1.86	(1.55 to 2.24)		
Oesophagus	1 to 10	8	1.11	(0.43 to 2.88)	1.05	(0.99 to 1.11)
	11 to 20	9	1.22	(0.52 to 2.87)		
	21+	60	1.37	(0.91 to 2.05)		
Stomach	1 to 10	43	0.97	(0.67 to 1.42)	1.01	(0.99 to 1.03)
	11 to 20	44	0.89	(0.61 to 1.30)		
	21+	354	1.04	(0.91 to 1.20)		
Colorectal	1 to 10	50	0.95	(0.67 to 1.35)	1.00	(0.98 to 1.02)
	11 to 20	56	1.23	(0.87 to 1.74)		
	21+	290	0.97	(0.83 to 1.13)		
Liver	1 to 10	15	0.98	(0.50 to 1.89)	0.98	(0.95 to 1.02)
	11 to 20	15	0.73	(0.37 to 1.43)		
	21+	117	0.92	(0.71 to 1.20)		
Biliary tract	1 to 10	2	0.80	(0.15 to 4.23)	1.04	(0.97 to 1.12)
	11 to 20	6	1.18	(0.42 to 3.32)		
	21+	30	1.18	(0.69 to 2.02)		
Pancreas	1 to 10	5	0.94	(0.31 to 2.84)	1.06	(1.01 to 1.12)
	11 to 20	9	1.91	(0.76 to 4.82)		
	21+	57	1.44	(0.96 to 2.16)		
Bladder	1 to 10	15	0.88	(0.47 to 1.65)	1.03	(1.00 to 1.07)
	11 to 20	16	1.36	(0.70 to 2.66)		
	21+	122	1.28	(0.98 to 1.66)		

[a]ORs and 95% CIs were calculated by conditional logistic regression with multiple imputation, matched for age categories (5-year categories), hospital (34 hospitals), and admitted year (1-year) with additional adjustment for smoking status, alcohol consumption status, and longest occupation held (the reference for categorical cumulative exposure were never exposed).

OR, Odds ratio; CI, Confidence interval.

Supplementary Table 3. Length of employment (in years) in workplaces handling hazardous chemicals and risk of cancer among men under 60 years old[a]

			Categorical cumulative exposure		Continuous cumulative exposure (5-year increase)	
Cancer site	Length (in years)	N of Exposed cases	OR	(95% CI)	OR	(95% CI)
All cancers	1 to 10	150	0.95	(0.78 to 1.16)	1.01	(0.99 to 1.02)
	11 to 20	174	0.96	(0.80 to 1.16)		
	21+	640	1.03	(0.93 to 1.14)		
Lung	1 to 10	18	2.81	(1.33 to 5.92)	1.11	(1.05 to 1.17)
	11 to 20	20	2.04	(1.05 to 3.93)		
	21+	74	1.86	(1.30 to 2.68)		
Oesophagus	1 to 10	3	7.62	(0.66 to 88.0)	1.17	(1.04 to 1.31)
	11 to 20	5	2.49	(0.64 to 9.62)		
	21+	21	2.97	(1.34 to 6.57)		
Stomach	1 to 10	24	1.08	(0.64 to 1.81)	0.99	(0.95 to 1.03)
	11 to 20	28	1.28	(0.77 to 2.14)		
	21+	105	0.92	(0.71 to 1.20)		
Colorectal	1 to 10	36	1.50	(0.95 to 2.36)	1.02	(0.98 to 1.05)
	11 to 20	34	1.61	(1.01 to 2.58)		
	21+	115	1.08	(0.83 to 1.39)		
Liver	1 to 10	9	2.14	(0.85 to 5.37)	1.08	(1.00 to 1.16)
	11 to 20	8	0.97	(0.37 to 2.52)		
	21+	37	1.62	(0.97 to 2.71)		
Biliary tract	1 to 10	1	0.71	(0.07 to 7.49)	0.91	(0.80 to 1.04)
	11 to 20	4	1.29	(0.33 to 5.15)		
	21+	7	0.45	(0.17 to 1.18)		
Pancreas	1 to 10	1	0.19	(0.02 to 1.69)	0.99	(0.89 to 1.10)
	11 to 20	4	1.24	(0.34 to 4.55)		
	21+	16	0.76	(0.37 to 1.56)		
Bladder	1 to 10	3	0.52	(0.15 to 1.85)	1.02	(0.95 to 1.10)
	11 to 20	8	1.57	(0.58 to 4.25)		
	21+	35	1.17	(0.71 to 1.91)		

[a]ORs and 95% CIs were calculated by conditional logistic regression with multiple imputation, matched for age categories (5-year categories), hospital (34 hospitals), and admitted year (1-year) with additional adjustment for smoking status, alcohol consumption status, and longest occupation held (the reference for categorical cumulative exposure were never exposed).

OR, Odds ratio; CI, Confidence interval.

Supplementary Table 4. Length of employment (in years) in workplaces handling dust and risk of cancer among men[a]

			Categorical cumulative exposure		Continuous cumulative exposure (5-year increase)	
Cancer site	Length (in years)	N of Exposed cases	OR	(95% CI)	OR	(95% CI)
All cancers	1 to 10	174	0.76	(0.63 to 0.91)	1.01	(1.00 to 1.02)
	11 to 20	284	1.00	(0.86 to 1.16)		
	21+	1810	1.07	(1.00 to 1.13)		
Lung	1 to 10	35	1.75	(1.07 to 2.85)	1.12	(1.09 to 1.14)
	11 to 20	45	1.80	(1.15 to 2.81)		
	21+	346	2.37	(1.99 to 2.82)		
Oesophagus	1 to 10	4	1.07	(0.28 to 4.03)	1.10	(1.04 to 1.17)
	11 to 20	8	1.55	(0.60 to 4.04)		
	21+	49	2.00	(1.28 to 3.11)		
Stomach	1 to 10	24	0.74	(0.46 to 1.19)	1.01	(0.99 to 1.03)
	11 to 20	46	1.12	(0.77 to 1.63)		
	21+	303	1.08	(0.94 to 1.25)		
Colorectal	1 to 10	25	0.72	(0.45 to 1.15)	1.00	(0.98 to 1.03)
	11 to 20	38	1.13	(0.75 to 1.69)		
	21+	241	1.05	(0.89 to 1.24)		
Liver	1 to 10	11	0.97	(0.46 to 2.01)	0.98	(0.94 to 1.01)
	11 to 20	18	0.97	(0.52 to 1.82)		
	21+	97	0.88	(0.68 to 1.15)		
Biliary tract	1 to 10	1	0.44	(0.05 to 4.02)	0.98	(0.92 to 1.05)
	11 to 20	7	1.55	(0.57 to 4.24)		
	21+	28	0.80	(0.48 to 1.34)		
Pancreas	1 to 10	7	1.74	(0.62 to 4.87)	1.10	(1.04 to 1.16)
	11 to 20	10	2.90	(1.12 to 7.52)		
	21+	44	1.80	(1.16 to 2.78)		
Bladder	1 to 10	3	0.99	(0.46 to 2.13)	1.03	(1.00 to 1.07)
	11 to 20	8	1.51	(0.80 to 2.86)		
	21+	35	1.30	(1.00 to 1.70)		

[a]ORs and 95% CIs were calculated by conditional logistic regression with multiple imputation, matched for age categories (5-year categories), hospital (34 hospitals), and admitted year (1-year) with additional adjustment for smoking status, alcohol consumption status, and longest occupation held (the reference for categorical cumulative exposure were never exposed).

OR, Odds ratio; CI, Confidence interval.

Supplementary Table 5. Length of employment (in years) in workplaces handling organic solvents and risk of cancer among men[a]

			Categorical cumulative exposure		Continuous cumulative exposure (5-year increase)	
Cancer site	Length (in years)	N of Exposed cases	OR	(95% CI)	OR	(95% CI)
All cancers	1 to 10	178	0.99	(0.82 to 1.19)	1.01	(1.00 to 1.02)
	11 to 20	216	0.98	(0.83 to 1.16)		
	21+	1663	1.07	(1.00 to 1.14)		
Lung	1 to 10	26	1.58	(0.89 to 2.80)	1.04	(1.01 to 1.07)
	11 to 20	28	1.40	(0.85 to 2.31)		
	21+	202	1.37	(1.13 to 1.67)		
Oesophagus	1 to 10	3	0.58	(0.15 to 2.23)	1.06	(1.00 to 1.12)
	11 to 20	7	1.99	(0.68 to 5.77)		
	21+	44	1.54	(0.98 to 2.40)		
Stomach	1 to 10	20	0.8	(0.47 to 1.35)	1.00	(0.98 to 1.02)
	11 to 20	27	0.83	(0.52 to 1.32)		
	21+	266	1.02	(0.87 to 1.19)		
Colorectal	1 to 10	30	1.14	(0.72 to 1.81)	0.98	(0.96 to 1.00)
	11 to 20	44	1.32	(0.90 to 1.95)		
	21+	215	0.84	(0.71 to 1.00)		
Liver	1 to 10	6	0.50	(0.20 to 1.28)	1.01	(0.98 to 1.05)
	11 to 20	9	0.62	(0.28 to 1.38)		
	21+	103	1.11	(0.86 to 1.43)		
Biliary tract	1 to 10	1	1.03	(0.09 to 11.5)	1.01	(0.94 to 1.08)
	11 to 20	5	0.90	(0.31 to 2.67)		
	21+	26	1.00	(0.59 to 1.68)		
Pancreas	1 to 10	2	1.05	(0.18 to 5.93)	1.08	(1.02 to 1.14)
	11 to 20	5	1.53	(0.48 to 4.88)		
	21+	51	1.63	(1.09 to 2.44)		
Bladder	1 to 10	15	1.58	(0.78 to 3.20)	1.04	(1.01 to 1.08)
	11 to 20	15	1.90	(0.93 to 3.91)		
	21+	102	1.34	(1.03 to 1.76)		

[a]ORs and 95% CIs were calculated by conditional logistic regression with multiple imputation, matched for age categories (5-year categories), hospital (34 hospitals), and admitted year (1-year) with additional adjustment for smoking status, alcohol consumption status, and longest occupation held (the reference for categorical cumulative exposure were never exposed).

OR, Odds ratio; CI, Confidence interval.

Supplementary Table 6. Length of employment (in years) in workplaces handling specified chemical substances and risk of cancer among men[a]

			Categorical cumulative exposure		Continuous cumulative exposure (5-year increase)	
Cancer site	Length (in years)	N of Exposed cases	OR	(95% CI)	OR	(95% CI)
All cancers	1 to 10	78	1.06	(0.80 to 1.41)	1.02	(1.01 to 1.03)
	11 to 20	94	1.00	(0.78 to 1.29)		
	21+	912	1.14	(1.05 to 1.25)		
Lung	1 to 10	16	3.46	(1.48 to 8.08)	1.10	(1.06 to 1.13)
	11 to 20	16	1.21	(0.62 to 2.37)		
	21+	151	2.00	(1.56 to 2.56)		
Oesophagus	1 to 10	3	5.73	(0.56 to 58.3)	1.06	(0.98 to 1.15)
	11 to 20	3	7.36	(0.75 to 72.2)		
	21+	23	1.54	(0.85 to 2.80)		
Stomach	1 to 10	9	0.62	(0.29 to 1.32)	0.99	(0.97 to 1.02)
	11 to 20	11	0.67	(0.33 to 1.35)		
	21+	139	0.96	(0.78 to 1.18)		
Colorectal	1 to 10	13	1.24	(0.61 to 2.53)	1.00	(0.97 to 1.03)
	11 to 20	16	1.01	(0.55 to 1.87)		
	21+	122	1.00	(0.80 to 1.26)		
Liver	1 to 10	2	0.67	(0.13 to 3.34)	0.96	(0.91 to 1.01)
	11 to 20	3	0.61	(0.14 to 2.57)		
	21+	39	0.77	(0.52 to 1.14)		
Biliary tract	1 to 10	2	-	no controls	1.06	(0.97 to 1.15)
	11 to 20	16	2.00	(0.28 to 14.4)		
	21+	1	1.37	(0.69 to 2.71)		
Pancreas	1 to 10	3	0.72	(0.07 to 7.29)	1.08	(1.01 to 1.15)
	11 to 20	29	2.96	(0.48 to 18.0)		
	21+	6	1.63	(0.97 to 2.75)		
Bladder	1 to 10	6	1.23	(0.44 to 3.48)	1.06	(1.01 to 1.10)
	11 to 20	62	1.91	(0.60 to 6.02)		
	21+	0	-	no cases		

[a]ORs and 95% CIs were calculated by conditional logistic regression with multiple imputation, matched for age categories (5-year categories), hospital (34 hospitals), and admitted year (1-year) with additional adjustment for smoking status, alcohol consumption status, and longest occupation held (the reference for categorical cumulative exposure were never exposed).

OR, Odds ratio; CI, Confidence interval.

Supplementary Table 7. Length of employment (in years) in workplaces handling lead and risk of cancer among men[a]

Cancer site	Length (in years)	N of Exposed cases	Categorical cumulative exposure		Continuous cumulative exposure (5-year increase)	
			OR	(95% CI)	OR	(95% CI)
All cancers	1 to 10	33	1.08	(0.71 to 1.66)	1.00	(0.98 to 1.03)
	11 to 20	36	1.06	(0.70 to 1.62)		
	21+	227	1.00	(0.85 to 1.19)		
Lung	1 to 10	4	2.71	(0.53 to 14.0)	1.01	(0.94 to 1.09)
	11 to 20	8	2.71	(0.94 to 7.79)		
	21+	21	0.94	(0.54 to 1.65)		
Oesophagus	1 to 10	2	2.85	(0.24 to 33.5)	1.05	(0.94 to 1.18)
	11 to 20	1	1.35	(0.08 to 22.7)		
	21+	10	1.52	(0.62 to 3.74)		
Stomach	1 to 10	6	0.98	(0.36 to 2.63)	1.01	(0.96 to 1.06)
	11 to 20	4	0.42	(0.12 to 1.45)		
	21+	39	1.06	(0.71 to 1.56)		
Colorectal	1 to 10	3	0.67	(0.18 to 2.48)	1.04	(0.98 to 1.11)
	11 to 20	6	2.52	(0.76 to 8.34)		
	21+	35	1.35	(0.87 to 2.09)		
Liver	1 to 10	3	6.00	(0.60 to 60.2)	0.95	(0.87 to 1.04)
	11 to 20	1	2.57	(0.16 to 41.1)		
	21+	12	0.66	(0.33 to 1.35)		
Biliary tract	1 to 10	1	-	no controls	1.00	(0.80 to 1.25)
	11 to 20	3	4.70	(0.48 to 45.7)		
	21+	1	0.47	(0.05 to 4.27)		
Pancreas	1 to 10	2	2.13	(0.29 to 15.7)	1.08	(1.01 to 1.15)
	11 to 20	1	2.28	(0.14 to 38.2)		
	21+	5	1.50	(0.47 to 4.78)		
Bladder	1 to 10	1	0.40	(0.05 to 3.51)	1.06	(1.01 to 1.10)
	11 to 20	1	2.17	(0.13 to 36.4)		
	21+	22	2.75	(1.43 to 5.28)		

[a]ORs and 95% CIs were calculated by conditional logistic regression with multiple imputation, matched for age categories (5-year categories), hospital (34 hospitals), and admitted year (1-year) with additional adjustment for smoking status, alcohol consumption status, and longest occupation held (the reference for categorical cumulative exposure were never exposed).

OR, Odds ratio; CI, Confidence interval.