

**Table S1.** Number of incident cases of lung cancer, age standardized rates (ASR) with corresponding 95% confidence intervals (CI) by sex, tertile of exposure, and age group. 1995-2009 in 14 municipalities

	< 75 Years						≥75 Years						All ages					
	Men			Women			Men			Women			Men			Women		
	N	ASR	95% CI	N	ASR	95% CI	N	ASR	95% CI	N	ASR	95% CI	N	ASR	95% CI	N	ASR	95% CI
<b>C<sub>6</sub>H<sub>6</sub> (µg/m<sup>3</sup>)</b>																		
<1.1	175	56.3	(47.8-64.7)	52	16.6	(11.9-22.2)	97	517.6	(412.8-622.4)	25	77.9	(46.1-109.7)	272	74.7	(65.6-83.9)	77	19.0	(14.4-23.7)
1.1-1.8	181	60.3	(51.4-69.2)	53	15.6	(11.2-19.9)	89	473.6	(374.0-573.1)	51	144.9	(103.7-186.1)	270	76.8	(67.4-86.3)	104	20.8	(16.3-25.2)
>1.8	171	58.7	(49.8-67.6)	48	15.8	(11.1-20.4)	88	504.0	(398.1-607.0)	46	155.5	(109.3-201.6)	259	76.6	(67.0-86.1)	94	21.4	(16.6-26.2)
<b>NO<sub>2</sub> (µg/m<sup>3</sup>)</b>																		
<16.9	172	54.9	(46.6-63.2)	49	15.4	(10.9-19.8)	95	504.6	(401.5-607.7)	28	85.4	(52.5-118.2)	267	72.9	(63.9-81.9)	77	18.2	(13.7-22.6)
16.9-19.6	184	61.9	(52.9-71.0)	57	17.3	(12.6-21.9)	88	468.3	(369.3-567.3)	50	145.6	(103.8-187.4)	272	78.2	(68.6-87.7)	107	22.4	(17.6-27.2)
>19.6	171	58.5	(49.7-67.4)	47	15.3	(10.8-19.9)	91	522.8	(414.7-630.9)	44	147.3	(102.5-192.0)	262	77.1	(67.6-86.7)	91	20.6	(15.9-25.3)
<b>PM<sub>10</sub> (µg/m<sup>3</sup>)</b>																		
<40.6	181	57.9	(49.4-66.4)	58	18.2	(13.4-23.1)	94	495.9	(394.0-597.9)	26	80.2	(48.2-112.2)	275	75.4	(66.3-84.6)	84	20.7	(15.9-25.5)
40.6-51.9	183	59.9	(51.1-68.7)	51	15.0	(10.7-19.4)	97	494.4	(395.2-593.6)	61	169.0	(125.2-212.9)	280	77.3	(67.9-86.6)	112	21.2	(16.7-25.7)
>51.9	163	57.6	(48.7-66.5)	44	14.8	(10.3-19.4)	83	503.3	(393.9-612.6)	35	125.6	(82.8-168.5)	246	75.4	(65.8-85.0)	79	19.3	(14.6-23.9)
<b>SO<sub>2</sub> (µg/m<sup>3</sup>)</b>																		
<34.6	184	58.2	(49.7-66.8)	52	16.4	(11.8-21.0)	99	517.6	(414.1-621.1)	27	88.5	(54.1-122.9)	283	76.6	(67.4-85.8)	79	19.3	(14.6-23.9)
34.6-37.5	175	60.5	(51.4-69.6)	47	14.4	(10.1-18.6)	91	524.1	(415.2-633.0)	45	136.9	(95.2-178.6)	266	79.0	(69.3-88.8)	92	19.3	(14.9-23.7)
>37.5	168	56.7	(48.0-65.4)	54	17.4	(12.6-22.2)	84	450.3	(353.2-547.3)	50	151.3	(108.1-194.5)	252	72.4	(63.2-81.6)	104	22.8	(17.8-27.7)

Note : ASR calculated on European population 2001

**Table S2.** Number of lung carcinomas, age standardized rates (ASR) with corresponding 95% confidence intervals (CI), by sex, morphology, tertile of exposure, and age group. 1995-2009 in 14 municipalities

	< 75 Years						≥75 Years						All ages					
	Men			Women			Men			Women			Men			Women		
	N	ASR	95% CI	N	ASR	95% CI	N	ASR	95% CI	N	ASR	95% CI	N	ASR	95% CI	N	ASR	95% CI
<b>C<sub>6</sub>H<sub>6</sub> (µg/m<sup>3</sup>)</b>																		
Adenocarcinoma																		
<1.1	51	16.58	(12-21.2)	18	5.87	(3.1-8.7)	16	90.49	(45.7-135.2)	6	22.73	(4.1-41.3)	67	19.53	(14.7-24.3)	24	6.54	(3.8-9.3)
1.1-1.8	46	15.46	(10.9-20)	16	5.63	(2.7-8.5)	22	113.40	(65.4-161.4)	9	25.99	(8.4-43.6)	68	19.38	(14.6-24.1)	25	6.44	(3.6-9.3)
>1.8	34	11.80	(7.8-15.8)	24	8.08	(4.7-11.4)	17	100.70	(52.6-148.8)	9	32.12	(10.6-53.6)	51	15.35	(11-19.7)	33	9.05	(5.7-12.4)
Squamous cell																		
<1.1	38	12.44	(8.4-16.5)	10	3.18	(1.1-5.2)	24	140.73	(84.1-197.4)	1	4.15	(0-12.3)	62	17.6	(13.1-22)	11	3.2	(1.2-5.2)
1.1-1.8	50	16.06	(11.6-20.6)	9	2.45	(0.8-4.1)	26	142.86	(87.4-198.3)	11	34.02	(13.3-54.7)	76	21.1	(16.3-26)	20	3.7	(1.9-5.5)
>1.8	47	15.80	(11.2-20.4)	4	1.29	(0-2.6)	19	106.80	(58.5-155.1)	5	20.02	(2.3-37.7)	66	19.4	(14.6-24.2)	9	2.0	(0.6-3.5)
Other																		
<1.1	86	27.26	(21.4-33.1)	24	7.53	(4.4-10.7)	57	286.40	(210.4-362.4)	18	51.06	(26.6-75.5)	143	37.62	(31.3-44)	42	9.27	(6.1-12.4)
1.1-1.8	85	28.79	(22.6-35)	28	7.49	(4.7-10.3)	41	217.31	(150-284.6)	31	84.90	(54-115.8)	126	36.33	(29.8-42.9)	59	10.59	(7.6-13.6)
>1.8	90	31.15	(24.6-37.7)	20	6.40	(3.5-9.3)	52	296.53	(215.4-377.6)	32	103.31	(66.5-140.1)	142	41.77	(34.7-48.8)	52	10.27	(7.1-13.4)
<b>NO<sub>2</sub> (µg/m<sup>3</sup>)</b>																		
Adenocarcinoma																		
<16.9	47	14.83	(10.5-19.1)	20	6.34	(3.5-9.2)	16	92.20	(6.1-44.7)	7	25.43	(46.8-137.6)	63	17.92	(13.4-22.4)	27	7.11	(4.2-10)
16.9-19.6	48	16.62	(11.8-21.4)	15	5.54	(2.6-8.4)	21	106.70	(6.6-40.5)	8	23.55	(60.5-152.9)	69	20.22	(15.3-25.2)	23	6.26	(3.4-9.1)
>19.6	36	12.46	(8.3-16.6)	23	7.70	(4.5-10.9)	18	106.54	(10.6-53.7)	9	32.19	(57.1-156)	54	16.22	(11.8-20.6)	32	8.68	(5.4-11.9)
Squamous cell																		
<16.9	34	11.19	(7.4-15)	10	3.17	(1.1-5.2)	23	134.70	(79.5-189.9)	1	4.12	(0-12.2)	57	16.13	(11.8-20.4)	11	3.21	(1.2-5.2)
16.9-19.6	52	16.78	(12.2-21.4)	8	2.26	(0.7-3.9)	26	143.82	(88-199.7)	11	34.07	(13.3-54.8)	78	21.86	(16.9-26.8)	19	3.53	(1.8-5.3)
>19.6	49	16.43	(11.8-21.1)	5	1.52	(0.1-2.9)	20	112.98	(63.1-162.8)	5	20.06	(2.3-37.8)	69	20.29	(15.4-25.2)	10	2.26	(0.8-3.8)
Other																		
<16.9	91	28.89	(22.9-34.9)	19	5.85	(3.1-8.6)	56	277.71	(203.4-352)	20	55.80	(30.4-81.2)	147	38.84	(32.3-45.3)	39	7.85	(5-10.7)
16.9-19.6	84	28.53	(22.4-34.7)	34	9.47	(6.2-12.8)	41	217.75	(150.3-285.2)	31	88.01	(55.9-120.1)	125	36.10	(29.6-42.6)	65	12.61	(9.2-16)
>19.6	86	29.66	(23.3-36)	19	6.13	(3.3-9)	53	303.31	(221.1-385.5)	30	95.01	(60.1-130)	139	40.61	(33.7-47.5)	49	9.68	(6.6-12.8)

<b>PM<sub>10</sub> (µg/m<sup>3</sup>)</b>																		
Adenocarcinoma																		
<40.6	49	15.65	(11.2-20.1)	21	6.89	(3.9-9.9)	18	99.26	(53-145.5)	6	22.06	(4-40.1)	67	18.99	(14.4-23.6)	27	7.50	(4.5-10.5)
40.6-51.9	48	15.96	(11.4-20.6)	17	5.66	(2.9-8.4)	22	114.01	(66-162)	13	38.56	(17-60.1)	70	19.88	(15.1-24.7)	30	6.98	(4.2-9.8)
>51.9	34	12.17	(8-16.3)	20	7.05	(3.8-10.3)	15	89.04	(43.4-134.7)	5	17.51	(1.6-33.4)	49	15.24	(10.9-19.6)	25	7.47	(4.3-10.6)
Squamous cell																		
<40.6	45	14.64	(10.3-19)	11	3.32	(1.3-5.4)	25	143.84	(87.1-200.5)	2	8.05	(0-19.2)	70	19.81	(15.1-24.6)	13	3.51	(1.5-5.5)
40.6-51.9	45	14.01	(9.9-18.1)	6	1.79	(0.3-3.3)	19	96.87	(53-140.8)	13	40.20	(17.8-62.6)	64	17.32	(13-21.7)	19	3.33	(1.6-5)
>51.9	45	15.66	(11-20.3)	6	1.89	(0.3-3.4)	25	155.52	(94.1-217)	2	7.79	(0-18.8)	70	21.26	(16.2-26.3)	8	2.12	(0.6-3.7)
Other																		
<40.6	87	27.61	(21.7-33.5)	26	8.01	(4.8-11.2)	51	252.85	(181.9-323.8)	18	50.09	(26.2-74)	138	36.62	(30.3-42.9)	44	9.69	(6.5-12.9)
40.6-51.9	90	29.93	(23.6-36.2)	28	7.58	(4.6-10.5)	56	283.49	(208.6-358.4)	35	90.25	(59.3-121.2)	146	40.07	(33.3-46.8)	63	10.89	(7.8-14)
>51.9	84	29.76	(23.3-36.2)	18	5.89	(3.1-8.7)	43	258.69	(180.7-336.7)	28	100.34	(62.1-138.6)	127	38.92	(32-45.8)	46	9.67	(6.6-12.8)
<b>SO<sub>2</sub> (µg/m<sup>3</sup>)</b>																		
Adenocarcinoma																		
<34.6	52	16.38	(11.9-20.9)	20	6.46	(3.5-9.4)	18	93.31	(49.5-137.1)	6	22.59	(4.2-41)	70	19.46	(14.8-24.1)	26	7.10	(4.2-10)
34.6-37.5	49	17.24	(12.4-22.1)	15	4.92	(2.3-7.5)	16	94.80	(47.9-141.7)	8	23.43	(6.4-40.5)	65	20.34	(15.3-25.4)	23	5.66	(3.1-8.2)
>37.5	30	10.29	(6.6-14)	23	8.15	(4.7-11.6)	21	115.02	(65.4-164.6)	10	33.78	(12.4-55.2)	51	14.48	(10.4-18.6)	33	9.17	(5.8-12.6)
Squamous cell																		
<34.6	43	13.80	(9.6-18)	9	2.86	(0.9-4.8)	24	136.19	(81.4-191)	6	23.32	(4.5-42.1)	67	18.70	(14.1-23.3)	15	3.68	(1.6-5.7)
34.6-37.5	41	13.58	(9.4-17.8)	8	2.30	(0.7-3.9)	25	144.81	(87.4-202.2)	8	27.46	(7.8-47.1)	66	18.83	(14.2-23.4)	16	3.31	(1.6-5.1)
>37.5	51	16.93	(12.2-21.7)	6	1.82	(0.3-3.3)	20	109.70	(61.3-158.1)	3	9.24	(0-19.9)	71	20.64	(15.7-25.6)	9	2.12	(0.6-3.6)
Other																		
<34.6	89	28.06	(22.2-34)	23	7.08	(4.1-10.1)	57	288.12	(211.9-364.3)	15	42.59	(20.4-64.8)	146	38.46	(32-44.9)	38	8.50	(5.5-11.5)
34.6-37.5	85	29.68	(23.3-36.1)	24	7.13	(4.2-10.1)	50	284.48	(204.8-364.2)	29	86.02	(53.4-118.6)	135	39.87	(33-46.8)	53	10.29	(7.2-13.4)
>37.5	87	29.45	(23.2-35.7)	25	7.43	(4.4-10.5)	43	225.55	(157.6-293.5)	37	108.29	(72.3-144.3)	130	37.29	(30.7-43.9)	62	11.46	(8.2-14.7)

**Table S3.** Number of Incident cases of lung carcinomas, incidence rate ratio (IRR) with corresponding 95% confidence intervals (CI), by sex, morphology, tertile of exposure, and age group. 1995-2009 in 14 municipalities

	< 75 Years						≥75 Years						All ages					
	Men			Women			Men			Women			Men			Women		
	N	IRR	95% CI	N	IRR	95% CI	N	IRR	95% CI	N	IRR	95% CI	N	IRR	95% CI	N	IRR	95% CI
<b>C<sub>6</sub>H<sub>6</sub> (µg/m<sup>3</sup>)</b>																		
Adenocarcinoma																		
<1.1	51	1		18	1		16	1		6	1		67	1		24	1	
1.1-1.8	46	0.93	(0.63-1.39)	16	0.96	(0.49-1.88)	22	1.25	(0.66-2.39)	9	1.14	(0.41-3.21)	68	0.99	(0.71-1.39)	25	0.99	(0.56-1.73)
>1.8	34	0.71	(0.46-1.1)	24	1.38	(0.75-2.54)	17	1.11	(0.56-2.2)	9	1.24	(0.44-3.47)	51	0.79	(0.55-1.13)	33	1.38	(0.82-2.34)
Squamous cell																		
<1.1	38	1		10	1		24	1		1	1		62	1		11	1	
1.1-1.8	50	1.29	(0.85-1.97)	9	0.77	(0.31-1.9)	26	1.02	(0.58-1.77)	11	8.20	(1.06-63.52)	76	1.20	(0.86-1.68)	20	1.16	(0.55-2.41)
>1.8	47	1.27	(0.83-1.95)	4	0.41	(0.13-1.29)	19	0.76	(0.42-1.39)	5	4.83	(0.56-41.31)	66	1.11	(0.78-1.56)	9	0.63	(0.26-1.53)
Other																		
<1.1	86	1		24	1		57	1		18	1		143	1		42	1	
1.1-1.8	85	1.06	(0.78-1.43)	28	1.00	(0.58-1.72)	41	0.76	(0.51-1.13)	31	1.66	(0.93-2.97)	126	0.97	(0.76-1.23)	59	1.14	(0.77-1.7)
>1.8	90	1.14	(0.85-1.54)	20	0.85	(0.47-1.54)	52	1.04	(0.71-1.51)	32	2.02	(1.14-3.6)	142	1.11	(0.88-1.4)	52	1.11	(0.74-1.66)
<b>NO<sub>2</sub> (µg/m<sup>3</sup>)</b>																		
Adenocarcinoma																		
<16.9	47	1		20	1		16	1		7	1		63	1		27	1	
16.9-19.6	48	1.12	(0.75-1.68)	15	0.87	(0.45-1.71)	21	1.16	(0.6-2.22)	8	0.93	(0.34-2.55)	69	1.13	(0.8-1.59)	23	0.88	(0.51-1.54)
>19.6	36	0.84	(0.54-1.3)	23	1.21	(0.67-2.21)	18	1.16	(0.59-2.27)	9	1.37	(0.51-3.67)	54	0.91	(0.63-1.3)	32	1.22	(0.73-2.04)
Squamous cell																		
<16.9	34	1		10	1		23	1		1	1		57	1		11	1	
16.9-19.6	52	1.50	(0.97-2.31)	8	0.71	(0.28-1.81)	26	1.07	(0.61-1.87)	11	8.26	(1.07-63.99)	78	1.36	(0.96-1.91)	19	1.10	(0.52-2.31)
>19.6	49	1.47	(0.95-2.27)	5	0.48	(0.16-1.4)	20	0.84	(0.46-1.53)	5	4.86	(0.57-41.63)	69	1.26	(0.89-1.79)	10	0.71	(0.3-1.66)
Other																		
<16.9	91	1		19	1		56	1		20	1		147	1		39	1	
16.9-19.6	84	0.99	(0.73-1.33)	34	1.62	(0.92-2.84)	41	0.78	(0.52-1.17)	31	1.58	(0.9-2.77)	125	0.93	(0.73-1.18)	65	1.61	(1.08-2.39)
>19.6	86	1.03	(0.76-1.38)	19	1.05	(0.55-1.98)	53	1.09	(0.75-1.59)	30	1.70	(0.97-3)	139	1.05	(0.83-1.32)	49	1.23	(0.81-1.88)

<b>PM<sub>10</sub> (µg/m<sup>3</sup>)</b>																		
Adenocarcinoma																		
<40.6	49	1		21	1		18	1		6	1		67	1		27	1	
40.6-51.9	48	1.02	(0.68-1.52)	17	0.82	(0.43-1.56)	22	1.15	(0.62-2.14)	13	0.57	(0.66-4.6)	70	1.05	(0.75-1.46)	30	0.93	(0.55-1.56)
>51.9	34	0.78	(0.5-1.2)	20	1.02	(0.55-1.89)	15	0.90	(0.45-1.78)	5	2.20	(0.24-2.6)	49	0.80	(0.56-1.16)	25	1.00	(0.58-1.72)
Squamous cell																		
<40.6	45	1		11	1		25	1		2	1		70	1		13	1	
40.6-51.9	45	0.96	(0.63-1.45)	6	0.54	(0.2-1.46)	19	0.67	(0.37-1.22)	13	4.99	(1.13-22.13)	64	0.87	(0.62-1.23)	19	0.95	(0.47-1.92)
>51.9	45	1.07	(0.71-1.62)	6	0.57	(0.21-1.54)	25	1.08	(0.62-1.88)	2	0.97	(0.14-6.87)	70	1.07	(0.77-1.49)	8	0.61	(0.25-1.46)
Other																		
<40.6	87	1		26	1		51	1		18	1		138	1		44	1	
40.6-51.9	90	1.08	(0.81-1.46)	28	0.95	(0.56-1.61)	56	1.12	(0.77-1.64)	35	1.80	(1.02-3.18)	146	1.09	(0.87-1.38)	63	1.12	(0.76-1.65)
>51.9	84	1.08	(0.8-1.45)	18	0.74	(0.4-1.34)	43	1.02	(0.68-1.54)	28	2.00	(1.11-3.62)	127	1.06	(0.84-1.35)	46	1.00	(0.66-1.51)
<b>SO<sub>2</sub> (µg/m<sup>3</sup>)</b>																		
Adenocarcinoma																		
<34.6	52	1		20	1		18	1		6	1		70	1		26	1	
34.6-37.5	49	1.05	(0.71-1.56)	15	0.76	(0.39-1.49)	16	1.02	(0.52-1.99)	8	1.04	(0.36-2.99)	65	1.05	(0.75-1.47)	23	0.80	(0.45-1.4)
>37.5	30	0.63	(0.4-0.99)	23	1.26	(0.69-2.3)	21	1.23	(0.66-2.31)	10	1.44	(0.54-4.11)	51	0.74	(0.52-1.07)	33	1.29	(0.77-2.16)
Squamous cell																		
<34.6	43	1		9	1		24	1		6	1		67	1		15	1	
34.6-37.5	41	0.98	(0.64-1.51)	8	0.81	(0.31-2.09)	25	1.06	(0.61-1.86)	8	1.18	(0.41-3.39)	66	1.01	(0.72-1.41)	16	0.90	(0.45-1.82)
>37.5	51	1.23	(0.82-1.84)	6	0.64	(0.23-1.79)	20	0.81	(0.45-1.46)	3	0.40	(0.1-1.58)	71	1.10	(0.79-1.54)	9	0.58	(0.25-1.32)
Other																		
<34.6	89	1		23	1		57	1		15	1		146	1		38	1	
34.6-37.5	85	1.06	(0.79-1.42)	24	1.01	(0.57-1.78)	50	0.99	(0.68-1.44)	29	2.02	(1.08-3.77)	135	1.04	(0.82-1.31)	53	1.21	(0.8-1.84)
>37.5	87	1.05	(0.78-1.41)	25	1.05	(0.6-1.85)	43	0.78	(0.53-1.16)	37	2.54	(1.4-4.63)	130	0.97	(0.77-1.23)	62	1.35	(0.9-2.02)

**Table S4.** Number of incident cases of bladder cancer, age standardized rates (ASR) with corresponding 95% confidence intervals (CI) by sex, tertile of exposure, and age group. 1995-2009 in 14 municipalities

	< 75 Years						≥75 Years						All ages					
	Men			Women			Men			Women			Men			Women		
	N	ASR	95% CI	N	ASR	95% CI	N	ASR	95% CI	N	ASR	95% CI	N	ASR	95% CI	N	ASR	95% CI
<b>C<sub>6</sub>H<sub>6</sub> (µg/m<sup>3</sup>)</b>																		
<1.1	102	33.5	(26.9-40.1)	25	8.0	(4.8-11.2)	65	338.9	(254.7-423.1)	14	41.6	(18.9-64.0)	167	45.7	(38.5-52.9)	39	9.3	(6.1-12.6)
1.1-1.8	110	37.6	(30.5-44.7)	25	7.1	(4.2-10.0)	65	324.9	(244.9-405.0)	35	99.4	(65.3-133.6)	175	49.1	(41.5-56.6)	60	10.8	(7.7-13.9)
>1.8	92	31.7	(25.2-38.3)	29	10.6	(6.6-14.6)	63	356.3	(267.8-444.8)	25	80.8	(48.1-113.6)	155	44.7	(37.5-52.0)	54	13.4	(9.4-17.5)
<b>NO<sub>2</sub> (µg/m<sup>3</sup>)</b>																		
<16.9	100	32.6	(26.1-39.1)	25	8.0	(4.7-11.2)	66	338.2	(254.8-421.6)	15	45.5	(21.6-69.4)	166	44.9	(37.8-51.9)	40	9.5	(6.2-12.7)
16.9-19.6	108	37.0	(29.9-44.1)	22	6.3	(3.6-9.1)	61	312.6	(233.2-392.1)	32	89.5	(57.3-121.7)	169	48.1	(40.6-55.6)	54	9.7	(6.8-12.6)
>19.6	96	33.3	(26.5-40.0)	32	11.5	(7.3-15.6)	66	370.5	(280.5-460.4)	27	88.3	(53.9-122.7)	162	46.8	(39.4-54.2)	59	14.5	(10.3-18.7)
<b>PM<sub>10</sub> (µg/m<sup>3</sup>)</b>																		
<40.6	96	31.7	(25.3-38.2)	27	8.6	(5.3-12.0)	72	363.7	(278.0-449.5)	15	42.8	(20.3-65.2)	168	45.0	(37.9-52.1)	42	10.0	(6.6-13.4)
40.6-51.9	114	37.5	(30.5-44.6)	27	7.8	(4.7-10.9)	69	336.1	(256.1-415.0)	37	102.1	(68.0-136.3)	183	49.5	(42.0-56.9)	64	11.6	(8.3-14.8)
>51.9	94	33.6	(26.8-40.5)	25	9.5	(5.6-13.3)	52	319.0	(231.5-406.4)	22	76.3	(43.4-109.3)	146	45.0	(37.6-52.5)	47	12.1	(8.2-16.0)
<b>SO<sub>2</sub> (µg/m<sup>3</sup>)</b>																		
<34.6	98	31.7	(25.4-38.1)	24	7.5	(4.4-10.6)	68	335.2	(253.9-416.5)	18	55.4	(28.8-82.0)	166	43.9	(37.0-50.8)	42	9.4	(6.2-12.6)
34.6-37.5	115	40.7	(33.1-48.2)	24	7.7	(4.5-10.8)	54	298.6	(218.1-379.2)	32	97.0	(62.0-131.9)	169	51.0	(43.1-58.9)	56	11.2	(7.9-14.6)
>37.5	91	30.8	(24.4-37.2)	31	10.7	(6.7-14.7)	71	382.9	(293.1-472.7)	24	70.4	(41.2-100.0)	162	44.9	(37.8-52.0)	55	13.1	(9.1-17.1)

Note : ASR calculated on European population 2001

**Table S5.** Annual percent changes (APC) and corresponding 95% confidence intervals (CI) of lung cancer incidence, by sex, tertile of exposure, and age group. 1995-2009 in 14 municipalities

	<75 Years				≥ 75 Years				All ages			
	Men		Women		Men		Women		Men		Women	
	APC	95% CI	APC	95% CI	APC	95% CI	APC	95% CI	APC	95% CI	APC	95% CI
<b>C<sub>6</sub>H<sub>6</sub> (µg/m<sup>3</sup>)</b>												
<1.1	<b>-5.29</b>	<b>(-9.3; -1.1)</b>	<b>-4.77</b>	<b>(-9.1; -0.2)</b>	+0.14	(-4.6; +5.1)	-3.19	(-10.6; +4.9)	-4.22	(-7.3; -1.1)	-5.08	(-8.7; -1.4)
1.1-1.8	<b>-5.29</b>	<b>(-9.2; -1.2)</b>	+0.41	(-5.8; +7.0)	+3.77	(-0.9; +8.6)	+0.76	(-6.5; +8.5)	-2.98	(-6.7; +0.9)	-0.67	(-6.4; +5.4)
>1.8	-2.13	(-5.3; +1.1)	-1.76	(-6.5; +3.2)	-3.74	(-9.7; +2.6)	-1.36	(-6.6; +4.2)	-2.27	(-5.1; +0.6)	-1.82	(-6.0; +2.5)
<b>NO<sub>2</sub> (µg/m<sup>3</sup>)</b>												
<17.0	<b>-5.56</b>	<b>(-9.2; -1.7)</b>	-4.55	(-9.5; +0.7)	+1.06	(-3.4; +5.7)	-6.02	(-13.5; +2.1)	-3.99	(-6.7; -1.2)	-5.54	(-9.9; -1.0)
17.0-19.6	<b>-5.50</b>	<b>(-9.6; -1.2)</b>	+0.43	(-5.9; +7.2)	-0.37	(-5.7; +5.3)	+2.65	(-4.1; +9.9)	-4.22	(-7.9; -0.4)	-0.83	(-5.8; +4.4)
>19.6	-1.87	(-5.1; +1.5)	-1.61	(-7.0; +4.0)	-1.31	(-6.9; +4.6)	-1.33	(-7.2; +4.9)	-1.44	(-4.6; +1.8)	-1.72	(-5.9; +2.6)
<b>PM<sub>10</sub> (µg/m<sup>3</sup>)</b>												
<40.6	<b>-7.07</b>	<b>(-10.9; -3.1)</b>	-4.17	(-8.7; +0.6)	+1.52	(-3.2; +6.4)	-3.10	(-10.7; +5.1)	-5.22	(-8.1; -2.2)	-4.10	(-8.4; +0.4)
40.6-51.9	-2.85	(-7.4; +1.9)	+0.40	(-5.9; +7.1)	+1.22	(-3.1; +5.8)	-1.05	(-5.0; +3.1)	-2.04	(-6.0; -2.1)	-1.44	(-6.5; +3.9)
>51.9	-2.68	(-5.5; +0.3)	-2.30	(-8.6; +4.4)	-1.42	(-6.2; +3.7)	-1.55	(-9.8; +7.4)	-2.23	(-4.6; +0.2)	-2.54	(-8.3; +3.6)
<b>SO<sub>2</sub> (µg/m<sup>3</sup>)</b>												
<34.6	<b>-5.40</b>	<b>(-9.3; -1.4)</b>	<b>-8.49</b>	<b>(-12.6; -4.2)</b>	-0.43	(-4.8; +4.2)	-2.22	(-8.4; +4.4)	-4.25	(-7.4; -1.0)	-7.60	(-12.5; -2.4)
34.6-37.5	<b>-4.80</b>	<b>(-7.0; -2.6)</b>	+5.07	(-1.5; +12.1)	+0.24	(-4.9; +5.7)	-3.84	(-9.9; +2.7)	-3.47	(-6.0; -0.9)	+2.17	(-2.0; +6.5)
>37.5	-3.83	(-7.8; +0.3)	-1.99	(-10.0; +6.8)	+1.76	(-3.5; +7.3)	+1.99	(-5.0; +9.5)	-2.48	(-5.2; 0.3)	-0.45	(-6.2; +5.7)

**Table S6.** Annual percent changes (APC) and corresponding 95% confidence intervals (CI) of bladder cancer incidence, by sex, tertile of exposure, and age group. 1995-2009 in 14 municipalities

	<75 Years				≥ 75 Years				All ages			
	Men		Women		Men		Women		Men		Women	
	APC	95% CI	APC	95% CI	APC	95% CI	APC	95% CI	APC	95% CI	APC	95% CI
<b>C<sub>6</sub>H<sub>6</sub> (µg/m<sup>3</sup>)</b>												
<1.1	-0.81	(-6.7 ; +5.5)	+2.17	(-5.3 ; +10.3)	-1.27	(-7.9 ; +5.9)	+0.05	(-10.7 ; +12.1)	-0.32	(-4.0 ; +3.5)	+2.81	(-4.6 ; +10.8)
1.1-1.8	<b>-5.07</b>	<b>(-9.7 ; -0.2)</b>	+1.05	(-9.8 ; +13.2)	-1.91	(-9.4 ; +6.2)	+1.85	(-5.8 ; +10.1)	-3.70	(-7.8 ; +0.6)	+2.64	(-6.6 ; +12.8)
>1.8	-1.31	(-5.5 ; +3.1)	+2.30	(-3.3 ; +8.2)	+0.41	(-5.2 ; +6.4)	-5.53	(-13.7 ; +3.4)	-0.75	(-4.7 ; +3.4)	-0.88	(-7.8 ; +6.6)
<b>NO<sub>2</sub> (µg/m<sup>3</sup>)</b>												
<17.0	-1.36	(-6.5 ; +4.1)	+0.61	(-5.9 ; +7.6)	-1.34	(-7.9 ; +5.7)	-2.16	(-15.8 ; +13.7)	-0.90	(-4.3 ; +2.7)	+1.45	(-5.2 ; +8.6)
17.0-19.6	<b>-4.55</b>	<b>(-8.6 ; -0.3)</b>	+1.62	(-7.8 ; +12.0)	-2.40	(-9.8 ; +5.7)	+2.27	(-6.5 ; +11.8)	-3.47	(-6.9 ; +0.1)	+3.05	(-4.4 ; +11.1)
>19.6	-0.63	(-4.7 ; +3.6)	+4.05	(-2.4 ; +10.9)	+0.88	(-4.5 ; +6.6)	-6.92	(-14.3 ; +1.1)	-0.19	(-4.0 ; +3.8)	-0.92	(-7.4 ; +6.0)
<b>PM<sub>10</sub> (µg/m<sup>3</sup>)</b>												
<40.6	-1.05	(-7.3 ; +5.6)	+1.70	(-6.0 ; +10.0)	-2.89	(-7.4 ; +1.8)	+1.73	(-7.0 ; +11.3)	-0.88	(-4.7 ; +3.1)	+1.81	(-5.9 ; +10.2)
40.6-51.9	-2.63	(-6.6 ; +1.5)	+2.35	(-6.2 ; +11.6)	-1.57	(-8.4 ; +5.8)	-6.30	(-12.7 ; +0.6)	-1.79	(-5.0 ; +1.6)	-0.20	(-6.6 ; +6.6)
>51.9	-3.60	(-8.6 ; +1.7)	-0.51	(-6.9 ; +6.3)	+4.11	(-1.5 ; +10.1)	+6.47	(-0.4 ; +13.9)	-1.64	(-6.4 ; +3.4)	+0.84	(-5.9 ; +8.0)
<b>SO<sub>2</sub> (µg/m<sup>3</sup>)</b>												
<34.6	+0.61	(-5.5 ; +7.1)	+0.70	(-4.7 ; +6.5)	-1.73	(-7.4 ; +4.3)	+4.45	(-3.5 ; +13.1)	+0.31	(-4.3 ; +5.1)	+3.79	(-3.8 ; +12.0)
34.6-37.5	-3.51	(-8.0 ; +1.1)	+5.02	(-5.0 ; +16.1)	-3.00	(-9.6 ; +4.1)	+0.08	(-7.3 ; +9.8)	-3.36	(-7.5 ; +0.9)	+6.63	(-0.7 ; +14.5)
>37.5	-3.37	(-8.4 ; +2.0)	-4.40	(-11.3 ; +3.1)	+3.13	(-1.1 ; +7.6)	<b>-9.96</b>	<b>(-16.9 ; -2.4)</b>	-0.99	(-5.4 ; +3.7)	-4.47	(-11.0 ; +2.5)