Appendix 2

Fuller details of the analyses relating lung cancer risk to the number of cigarettes smoked by the husband – unadjusted for confounding and uncorrected for misclassification

APPENDIX 2

ETS and Lung Cancer - Meta-Analysis of Dose Response Exposure (or nearest equivalent), 02-AUG-06

Female (Husband's smoking) - Number cigarettes smoked

BASIC DATA USED IN META-ANALYSES

	Study title	RR	RRL	RRU	CA1	CA0	CO1	CO0	NCigs
#422	Akiba	1.3000	0.6200	2.5700	24.0772	16.6388	70.5504	63.3808	1.0000
#423	Akiba	1.5000	0.7100	3.1600	20.1415	16.6388	51.1490	63.3808	2.1350
#424	Akiba	2.1000	0.5700	8.0700	4.0691	16.6388	7.3810	63.3808	3.8390
#817	Boffetta 2	1.0000	0.5000	1.9000	25.7383	25.3652	53.4266	52.6522	1.8175
#599	Boffetta	1.0000	0.7700	1.3100	174.0952	159.8269	327.6660	300.8116	1.3380
#600	Boffetta	0.5700	0.3400	0.9300	23.1359	159.8269	76.3935	300.8116	2.5880
#601	Boffetta	1.3400	0.8300	2.1700	33.8814	159.8269	47.5884	300.8116	4.3060
#66	Brownson 1	1.6800	0.3900	6.9000	3.7600	12.7800	6.0900	34.8200	2.3157
#68	Brownson 2	1.0000	0.8000	1.2000	262.8000	249.6100	710.9600	675.2900	2.3157
#70	Buffler	0.8000	0.3400	1.9000	33.0000	8.0000	164.0000	32.0000	2.3157
#72	Butler	2.0200	0.4800	8.5600	2.7700	5.5800	11040.8400	44931.4800	2.3157
#540	Cardenas	1.1000	0.5000	2.2000	9.0500	31.0400	11951.2100	45105.4100	1.0040
#541	Cardenas	1.2000	0.7000	2.2000	18.8500	31.0400	22823.4400	45105.4100	2.2670
#542	Cardenas	1.9000	1.0000	3.6000	13.4300	31.0400	10273.5100	45105.4100	4.3140
#73	Chan	0.7500	0.4300	1.3000	34.0000	50.0000	66.0000	73.0000	1.8175
#169	Choi	1.6300	0.9200	2.8700	49.0000	26.0000	88.0000	76.0000	1.8175
#75	Correa	2.0700	0.8100	5.2500	14.0000	8.0000	61.0000	72.0000	2.3157
#253	De Waard	2.5700	0.8400	7.8500	19.0000	4.0000	124.0000	67.0000	1.8175
#445	Du	0.6729	0.3256	1.3904	13.0000	28.0000	69.0000	100.0000	1.0000
#446	Du	1.4881	0.8187	2.7047	30.0000	28.0000	72.0000	100.0000	2.6030
#1036	Enstrom	0.9400	0.6600	1.3300	105.7649	44.8930	15783.0932	6297.3389	2.3157
#78	Fontham	1.2900	1.0400	1.6000	372.1100	183.3900	653.6300	415.5600	2.3157
#90	Gao	1.3041	0.8700	1.9400	191.5800	52.8600	274.2500	98.3700	1.8175
#457	Garfinkel 1	1.2700	0.8600	1.8900	39.0000	65.0000	38624.0000	81859.0000	1.0040
#458	Garfinkel 1	1.1000	0.7600	1.5900	49.0000	65.0000	56256.0000	81859.0000	2.7520
#459	Garfinkel 2	0.8413	0.4008	1.7661	11.0000	43.0000	45.0000	148.0000	1.0040
#460	Garfinkel 2	1.0798	0.6404	1.8208	32.0000	43.0000	102.0000	148.0000	2.2670
#461	Garfinkel 2	1.9857	1.1306	3.4875	30.0000	43.0000	52.0000	148.0000	4.3140
#462	Geng	1.4000	0.4900	4.0200	7.0000	20.0000	13.0000	52.0000	0.4850
#463	Geng	1.9500	0.6000	6.3300	6.0000	20.0000	8.0000	52.0000	1.2730
#464	Geng	2.7300	1.2300	6.0800	21.0000	20.0000	20.0000	52.0000	2.6030
#1087	Gorlova	1.1500	0.6300	2.1000	66.8200	29.5300	67.3200	34.3100	2.3157
#502	Hirayama	1.3500	0.9200	1.9900	105.0600	34.3100	46960.8600	20702.3900	0.8600
#503	Hirayama	1.5900	1.0300	2.4600	49.8100	34.3100	18904.6400	20702.3900	2.6030
#468	Hole	1.3000	0.1200	14.2700	2.0000	1.0000	754.0000	489.0000	0.2080
#469	Hole	2.7100	0.2800	25.9800	3.0000	1.0000	541.0000	489.0000	2.4090
#485	Humble 1	1.8000	0.4900	6.9600	6.3787	7.3413	8.9724	18.5878	1.5820
#486	Humble 1	1.2000	0.2300	6.8900	2.6218	7.3413	5.5318	18.5878	3.3920
#1053	IARC: Kreuzer	0.8000	0.5000	1.3000	52.5746	45.5399	132.5006	91.8170	1.8175
#472	Inoue	2.5800	0.3100	6.6300	6.6162	3.2295	11.9847	15.0927	1.0000
#473	Inoue	3.0900	0.8400	15.2700	9.6860	3.2295	14.6495	15.0927	2.6030
#115	Janerich	0.7500	0.4700	1.2000	76.0000	68.0000	86.0000	58.0000	2.3157
#649	Jee	2.0000	1.1000	3.9000	41.1000	12.5100	62793.9200	38219.7800	1.0000
#651	Jee	1.5000	0.7000	3.3000	13.0600	12.5100	26605.0600	38219.7800	2.6030
#925	Johnson	1.2000	0.6200	2.3000	38.7236	12.9554	395.2353	158.6764	1.8175
#124	Kabat 1	0.7900	0.2500	2.4500	13.0000	11.0000	15.0000	10.0000	2.3157
#493	Kabat 2	0.8200	0.4200	1.6100	18.1168	31.0459	56.8626	79.9029	1.6540
#494	Kabat 2	1.0600	0.4900	2.3000	12.7339	31.0459	30.9181	79.9029	3.6380
#495	Kalandidi	1.5424	0.7929	3.0004	34.0000	26.0000	39.0000	46.0000	1.3380
#496	Kalandidi	1.7692	0.8258	3.7903	22.0000	26.0000	22.0000	46.0000	2.9020
#497	Kalandidi	1.5726	0.5411	4.5707	8.0000	26.0000	9.0000	46.0000	5.3350
#507	Koo	2.3300	0.9200	5.9200	12.7249	23.8522	11.6984	51.0922	0.7080
#508	Koo	1.7400	0.8100	3.7500	19.8412	23.8522	24.4256	51.0922	1.7670
#509	Koo	1.1900	0.4600	3.0300	9.1628	23.8522	16.4934	51.0922	3.1830
#971	Lagarde	1.1500	0.8400	1.5800	84.1500	119.3890	282.1461	460.3436	1.8175
#510	Lam T	2.1800	1.1400	4.1500	22.0000	84.0000	22.0000	183.0000	0.7080
#511	Lam T	1.8500	1.1900	2.8700	56.0000	84.0000	66.0000	183.0000	1.7670

ALL STUDIES
EXPOSURE GROUPS BASED ON ISSNZ, MODIFIED FOR USA, EXPOSURE IN 10 CIGS/DAY
  GENG DATA REPLACED WITH PNL ESTIMATES
WEIGHT ON (1/se*se), Variance set at 1

APPENDIX 2

ETS and Lung Cancer - Meta-Analysis of Dose Response Exposure (or nearest equivalent), 02-AUG-06

Female (Husband's smoking) - Number cigarettes smoked

BASIC DATA USED IN META-ANALYSES

	Study title	RR	RRL	RRU	CA1	CA0	CO1	CO0	NCigs
#512	Lam T	2.0700	1.0700	4.0300	20.0000	84.0000	21.0000	183.0000	3.1830
#134	Lam W	2.0100	1.0900	3.7200	37.0000	23.0000	64.0000	80.0000	1.8175
#621	Layard	0.6008	0.2274	1.5873	5.0000	24.0000	336.0000	969.0000	0.8190
#622	Layard	0.6260	0.2792	1.4033	8.0000	24.0000	516.0000	969.0000	2.6640
#142	Lee	1.0000	0.3700	2.7100	18.0900	8.4400	37.3000	17.4100	1.8175
#755	Lee C-H	1.8700	1.2900	2.7100	145.3012	58.9669	192.8351	146.3413	1.8175
#515	Liu Q	0.7000	0.2300	2.2000	5.6756	13.0941	20.4219	32.9805	1.0000
#516	Liu Q	2.9000	1.2000	7.3000	20.3981	13.0941	17.7163	32.9805	2.6030
#144	Liu Z	0.7700	0.3000	1.9600	35.8200	6.8700	139.1500	20.5600	1.8175
#867	Malats	1.5000	0.7700	2.9100	36.1634	45.3493	23.4436	44.0978	1.8175
#1074	McGhee	1.3800	0.9400	2.0400	80.5883	75.9186	131.1497	170.4993	1.8175
#973	Nishino	1.8000	0.6700	4.6000	9.3962	7.4053	21398.0642	30355.3445	1.8175
#996	Ohno	1.0000	0.6700	1.4900	138.9793	52.3348	239.3942	90.1475	1.8175
#147	Pershagen	1.2000	0.7000	2.1000	36.1800	27.7800	139.8100	128.8400	1.8175
#657	Rapiti	1.2000	0.5000	2.9000	12.7016	23.1855	18.3812	40.2637	1.8175
#1099	Rylander	1.3700	0.5700	3.3000	7.9200	23.0900	40.4300	161.5700	1.8175
#165	Schwartz	1.1000	0.7200	1.6800	125.0000	65.9500	115.6000	67.0900	2.3157
#990	Seow	1.2918	0.9260	1.8021	91.0000	85.0000	300.0000	362.0000	1.8175
#614	Shen	0.6500	0.2100	2.0700	10.0000	14.0000	12.0000	11.0000	0.4850
#615	Shen	1.0500	0.3200	3.3800	12.0000	14.0000	9.0000	11.0000	1.2730
#616	Shen	0.7000	0.2800	1.7600	34.0000	14.0000	38.0000	11.0000	2.6030
#148	Shimizu	1.0800	0.6400	1.8200	52.0000	38.0000	91.0000	72.0000	1.8175
#150	Sobue	1.1300	0.7800	1.6300	78.6600	59.2200	378.2100	321.7200	1.8175
#688	Speize	1.5000	0.3000	6.3000	29.2793	1.7574	199924.6090	18000.0001	2.3157
#152	Stockwell	1.6000	0.8000	3.0000	48.0800	19.6700	60.1000	39.3400	2.3157
#160	Sun	1.1600	0.8000	1.6900	144.8200	86.2900	136.6600	94.4500	1.8175
#356	Svensson	1.3600	0.5300	3.4900	18.2000	7.0400	84.6400	44.5500	1.8175
#523	Trichopoulos	0.5677	0.1223	2.6348	2.0000	24.0000	16.0000	109.0000	0.7080
#524	Trichopoulos	2.4979	1.2622	4.9434	22.0000	24.0000	40.0000	109.0000	1.7670
#525	Trichopoulos	3.9740	1.3143	12.0159	7.0000	24.0000	8.0000	109.0000	2.5880
#526	Trichopoulos	1.8701	0.6984	5.0073	7.0000	24.0000	17.0000	109.0000	4.3060
#1083	Vineis	1.0500	0.5500	2.0200	22.3033	15.3312	29960.2691	21624.2163	1.8175
#904	Wang L	1.0300	0.6000	1.7000	125.1000	25.2300	253.2979	52.6138	1.8175
#161	Wang S	2.5300	1.2600	5.1000	67.0000	15.0000	60.0000	34.0000	1.8175
#534	Wang T	0.3500	0.1100	1.1600	4.0000	43.0000	13.0000	49.0000	0.4850
#535	Wang T	1.3500	0.7400	2.4500	45.0000	43.0000	38.0000	49.0000	1.2730
#536	Wang T	1.4000	0.7600	2.5700	43.0000	43.0000	35.0000	49.0000	2.6030
#156	Wu	1.2000	0.5000	3.3000	17.9700	9.9800	32.9400	21.9600	2.3157
#158	Wu-Williams	0.7000	0.6000	0.9000	293.9500	343.8000	506.2200	414.4600	1.8175
#576	Zaridze	1.6600	1.0900	2.5200	61.9147	78.6104	87.5660	184.5566	0.7080
#577	Zaridze	1.3500	0.8400	2.1800	38.3678	78.6104	66.7241	184.5566	2.2930
#1042	Zatloukal	0.4800	0.2100	1.0900	6.5824	64.9388	131.9736	624.9586	1.8175
#793	Zheng	2.5200	1.0882	5.8521	62.0000	7.0000	179.0000	51.0000	1.8175
#720	Zhong	1.4000	0.9000	2.2000	80.2700	64.2400	78.9700	88.4800	0.7080
#722	Zhong	0.9000	0.6000	1.4000	83.2900	64.2400	127.4700	88.4800	1.7670
#724	Zhong	1.4000	0.7000	2.6000	23.6700	64.2400	23.2900	88.4800	3.1830

NOTES: RR,RL,RU RELATIVE RISKS AND LOWER AND UPPER CONFIDENCE INTERVALS

CA1,CA0 NUMBERS (OR PSEUDO-NUMBERS) OF EXPOSED AND UNEXPOSED CASES

CO1,CO0 NUMBERS (OR PSEUDO-NUMBERS) OF EXPOSED AND UNEXPOSED CONTROLS

NCIGS MIDPOINT OF NUMBER OF CIGARETTES SMOKED BY HUSBAND (IN UNITS OF 10)

ALL STUDIES
EXPOSURE GROUPS BASED ON ISSNZ, MODIFIED FOR USA, EXPOSURE IN 10 CIGS/DAY
GENG DATA REPLACED WITH PNL ESTIMATES
WEIGHT ON (1/se*se), Variance set at 1

APPENDIX 2

ETS and Lung Cancer - Meta-Analysis of Dose Response Exposure (or nearest equivalent), 02-AUG-06

Female (Husband's smoking) - Number cigarettes smoked

REGRESSION ESTIMATES, WEIGHTS AND DETAILS OF RELEVANT FACTORS ADJUSTED FOR IN STUDIES

	Study title	Country	Beta	SE Beta	Z	Weight	FRU	VEG	FAT	EDU
#422	Akiba	Japan	0.1860	0.1406	1.3225	50.5750	0	0	0	0
#817	Boffetta 2	7 countries	0.0000	0.1874	0.0000	28.4801	0	0	0	0
#599	Boffetta	7 countries	0.0100	0.0516	0.1936	375.4503	0	0	0	0
#66	Brownson 1	USA	0.2240	0.3165	0.7078	9.9818	0	0	0	1
#68	Brownson 2	USA	0.0000	0.0447	0.0000	501.2026	0	0	0	0
#70	Buffler	USA	-0.0964	0.1896	-0.5084	27.8310	0	0	0	0
#72	Butler	USA	0.3036	0.3174	0.9566	9.9269	0	0	0	0
#540	Cardenas	USA	0.1385	0.0727	1.9061	189.3056	0	1	1	2
#73	Chan	China	-0.1583	0.1553	-1.0193	41.4698	0	0	0	0
#169	Choi	Korea	0.2688	0.1597	1.6834	39.2151	0	0	0	0
#75	Correa	USA	0.3142	0.2059	1.5260	23.5899	0	0	0	0
#253	De Waard	Netherlands	0.5193	0.3137	1.6556	10.1625	0	0	0	0
#445	Du	China	0.1709	0.1166	1.4665	73.5915	0	0	0	0
#1036	Enstrom	USA	-0.0267	0.0772	-0.3462	167.8274	1	0	0	2
#78	Fontham	USA	0.1100	0.0475	2.3171	444.0208	1	1	0	2
#90	Gao	China	0.1461	0.1126	1.2977	78.9241	0	0	0	2
#457	Garfinkel 1	USA	0.0297	0.0683	0.4353	214.4683	0	0	0	0
#459	Garfinkel 2	USA	0.1515	0.0648	2.3393	238.3929	0	0	0	0
#462	Geng	China	0.3809	0.1536	2.4796	42.3845	0	0	0	0
#1087	Gorlova	USA	0.0604	0.1326	0.4550	56.8443	0	0	0	1
#502	Hirayama	Japan	0.1488	0.0793	1.8765	158.9581	0	0	0	0
#468	Hole	Scotland	0.3652	0.3596	1.0156	7.7342	0	0	0	0
#485	Humble 1	USA	0.1074	0.2456	0.4371	16.5777	0	0	0	0
#1053	IARC: Kreuzer	Germany	-0.1228	0.1341	-0.9154	55.5946	0	0	0	0
#472	Inoue	Japan	0.3521	0.2660	1.3239	14.1375	0	0	0	0
#115	Janerich	USA	-0.1242	0.1033	-1.2031	93.7826	0	0	0	0
#649	Jee	Korea	0.0938	0.1491	0.6291	45.0125	0	1	0	3
#925	Johnson	Canada	0.1003	0.1840	0.5452	29.5349	1	1	0	2
#124	Kabat 1	USA	-0.1018	0.2514	-0.4048	15.8177	0	0	0	0
#493	Kabat 2	USA	0.0013	0.1062	0.0118	88.5940	0	0	0	2
#495	Kalandidi	Greece	0.1124	0.0907	1.2390	121.4733	0	0	0	0
#507	Koo	China	0.0858	0.1400	0.6129	51.0281	0	0	0	2
#971	Lagarde	Sweden	0.0769	0.0887	0.8672	127.1672	0	0	0	3
#510	Lam T	China	0.2670	0.0900	2.9655	123.3411	0	0	0	0
#134	Lam W	China	0.3841	0.1723	2.2294	33.6844	0	0	0	0
#621	Layard	USA	-0.1814	0.1544	-1.1743	41.9297	0	0	0	0
#142	Lee	England	0.0000	0.2795	0.0000	12.8019	0	0	0	0
#755	Lee C-H	Taiwan	0.3444	0.1042	3.3054	92.1166	0	0	0	2
#515	Liu Q	China	0.4354	0.1760	2.4736	32.2794	0	0	0	2
#144	Liu Z	China	-0.1438	0.2634	-0.5459	14.4083	0	0	0	0
#867	Malats	7 Europe+Brazil	0.2231	0.1866	1.1955	28.7155	0	0	0	0
#1074	McGhee	China	0.1772	0.1088	1.6295	84.5468	0	0	0	2
#973	Nishino	Japan	0.3234	0.2704	1.1960	13.6758	1	1	1	0
#996	Ohno	Japan	0.0000	0.1122	0.0000	79.4576	0	0	0	0
#147	Pershagen	Sweden	0.1003	0.1542	0.6505	42.0548	0	0	0	0
#657	Rapiti	India	0.1003	0.2467	0.4066	16.4262	0	0	0	0
#1099	Rylander	Sweden	0.1732	0.2465	0.7027	16.4602	0	0	0	0
#165	Schwartz	USA	0.0412	0.0933	0.4409	114.7752	0	0	0	0
#990	Seow	Singapore	0.1409	0.0935	1.5076	114.5014	0	0	0	0
#614	Shen	China	-0.0917	0.1567	-0.5855	40.7451	0	0	0	0
#148	Shimizu	Japan	0.0423	0.1467	0.2887	46.4696	0	0	0	0
#150	Sobue	Japan	0.0672	0.1035	0.6500	93.4374	0	0	0	2
#688	Speize	USA	0.1751	0.3354	0.5221	8.8896	0	0	0	0
#152	Stockwell	USA	0.2030	0.1456	1.3939	47.1648	0	0	0	2
#160	Sun	China	0.0817	0.1050	0.7779	90.7507	0	0	0	2
#356	Svensson	Sweden	0.1692	0.2646	0.6395	14.2884	0	0	0	0
#523	Trichopoulos	Greece	0.2587	0.1066	2.4265	87.9547	0	0	0	0

ALL STUDIES
EXPOSURE GROUPS BASED ON ISSNZ, MODIFIED FOR USA, EXPOSURE IN 10 CIGS/DAY
GENG DATA REPLACED WITH PNL ESTIMATES
WEIGHT ON (1/se*se), Variance set at 1

APPENDIX 2

ETS and Lung Cancer - Meta-Analysis of Dose Response Exposure (or nearest equivalent), 02-AUG-06

Female (Husband's smoking) - Number cigarettes smoked

REGRESSION ESTIMATES, WEIGHTS AND DETAILS OF RELEVANT FACTORS ADJUSTED FOR IN STUDIES

	Study title	Country	Beta	SE Beta	Z	Weight	FRU	VEG	FAT	EDU
#1083	Vineis	Western Europe	0.0268	0.1826	0.1470	29.9912	1	1	1	2
#904	Wang L	China	0.0163	0.1462	0.1113	46.7977	0	0	0	1
#161	Wang S	China	0.5107	0.1962	2.6024	25.9663	0	0	0	0
#534	Wang T	China	0.1656	0.1181	1.4030	71.7417	0	0	0	0
#156	Wu	USA	0.0787	0.2079	0.3787	23.1390	0	0	0	0
#158	Wu-Williams	China	-0.1962	0.0569	-3.4482	308.7433	0	0	0	2
#576	Zaridze	Russia	0.1315	0.1061	1.2393	88.8308	0	0	0	2
#1042	Zatloukal	Czech Republic	-0.4038	0.2312	-1.7471	18.7158	0	0	0	2
#793	Zheng	China	0.5085	0.2361	2.1536	17.9351	0	0	0	0
#720	Zhong	China	-0.0056	0.0896	-0.0621	124.4775	1	0	0	1

NOTES: BETA SLOPE OF LOG RR ON NCIGS

SE BETA STANDARD ERROR OF BETA

Z RATIO OF BETA TO ITS STANDARD ERROR (APPROXIMATE NORMAL STATISTIC)

WEIGHT INVERSE OF THE VARIANCE OF BETA

FRU = 1 DOSE-RESPONSE ANALYSIS ADJUSTED FOR FRUIT

VEG = 1 " " " " VEGETABLES

FAT = 1 " " " " FRUIT

EDU = 1 " " " " INCOME

= 2 " " " " EDUCATION

= 3 " " " " SOCIO-ECONOMIC STATUS

ALL STUDIES
EXPOSURE GROUPS BASED ON ISSNZ, MODIFIED FOR USA, EXPOSURE IN 10 CIGS/DAY
GENG DATA REPLACED WITH PNL ESTIMATES
WEIGHT ON (1/se*se), Variance set at 1

APPENDIX 2

ETS and Lung Cancer - Meta-Analysis of Dose Response Exposure (or nearest equivalent), 02-AUG-06

Female (Husband's smoking) - Number cigarettes smoked

FIXED- AND RANDOM-EFFECTS META-ANALYSES OF DATA FROM ALL THE STUDIES

Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	101.6151	(66)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0734	0.0135	+++	1.0762	1.0481	1.1050

RANDOM EFFECTS MODEL
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	62.3667	(66)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0905	0.0188	+++	1.0947	1.0551	1.1358

ALL STUDIES
EXPOSURE GROUPS BASED ON ISSNZ, MODIFIED FOR USA, EXPOSURE IN 10 CIGS/DAY
GENG DATA REPLACED WITH PNL ESTIMATES
WEIGHT ON (1/se*se), Variance set at 1

APPENDIX 2

ETS and Lung Cancer - Meta-Analysis of Dose Response Exposure (or nearest equivalent), 02-AUG-06

Female (Husband's smoking) - Number cigarettes smoked

LISTING OF VARIOUS STUDY VARIABLES

Study title	Country	REG	PUBYR	NLC	DOSER	COAGE	STYPE
Akiba	Japan	RestAsia	1981-86	50-99	Yes	Yes	Case-control
Boffetta 2	7 countries	Europe	1995-99	50-99	No	Yes	Case-control
Boffetta	7 countries	Europe	1995-99	400+	Yes	Yes	Case-control
Brownson 1	USA	USCanada	1987-89	1-49	No	Yes	Case-control
Brownson 2	USA	USCanada	1990-94	400+	No	Yes	Case-control
Buffler	USA	USCanada	1981-86	1-49	No	No	Case-control
Butler	USA	USCanada	1987-89	1-49	No	Yes	Prospective
Cardenas	USA	USCanada	1995-99	200-399	Yes	Yes	Prospective
Chan	China	ChinaHK	1981-86	50-99	No	No	Case-control
Choi	Korea	RestAsia	1987-89	50-99	No	No	Case-control
Correa	USA	USCanada	1981-86	1-49	No	No	Case-control
De Waard	Netherlands	Europe	1995-99	1-49	No	No	Case-control
Du	China	ChinaHK	1990-94	50-99	Yes	Yes	Case-control
Enstrom	USA	USCanada	2000-06	100-199	No	Yes	Prospective
Fontham	USA	USCanada	1990-94	400+	No	Yes	Case-control
Gao	China	ChinaHK	1987-89	200-399	No	Yes	Case-control
Garfinkel 1	USA	USCanada	1981-86	100-199	Yes	Yes	Prospective
Garfinkel 2	USA	USCanada	1981-86	100-199	Yes	Yes	Case-control
Geng	China	ChinaHK	1987-89	50-99	Yes	No	Case-control
Gorlova	USA	USCanada	2000-06	100-199	No	Yes	Case-control
Hirayama	Japan	RestAsia	1981-86	200-399	Yes	Yes	Prospective
Hole	Scotland	Europe	1987-89	1-49	Yes	Yes	Prospective
Humble 1	USA	USCanada	1987-89	1-49	Yes	Yes	Case-control
IARC: Kreuzer	Germany	Europe	2000-06	100-199	No	Yes	Case-control
Inoue	Japan	RestAsia	1987-89	1-49	Yes	Yes	Case-control
Janerich	USA	USCanada	1990-94	100-199	No	Yes	Case-control
Jee	Korea	RestAsia	1995-99	50-99	Yes	Yes	Prospective
Johnson	Canada	USCanada	2000-06	50-99	No	Yes	Case-control
Kabat 1	USA	USCanada	1981-86	50-99	No	Yes	Case-control
Kabat 2	USA	USCanada	1995-99	50-99	Yes	Yes	Case-control
Kalandidi	Greece	Europe	1990-94	50-99	Yes	Yes	Case-control
Koo	China	ChinaHK	1987-89	50-99	Yes	Yes	Case-control
Lagarde	Sweden	Europe	2000-06	200-399	No	Yes	Case-control
Lam T	China	ChinaHK	1987-89	200-399	Yes	No	Case-control
Lam W	China	ChinaHK	1981-86	50-99	No	No	Case-control
Layard	USA	USCanada	1990-94	1-49	Yes	Yes	Case-control
Lee	England	Europe	1981-86	1-49	No	Yes	Case-control
Lee C-H	Taiwan	RestAsia	2000-06	200-399	No	Yes	Case-control
Liu Q	China	ChinaHK	1990-94	1-49	Yes	No	Case-control
Liu Z	China	ChinaHK	1990-94	50-99	No	Yes	Case-control
Malats 7	Europe+Brazil	Europe	2000-06	100-199	No	Yes	Case-control
McGhee	China	ChinaHK	2000-06	100-199	No	Yes	Case-control
Nishino	Japan	RestAsia	2000-06	1-49	No	Yes	Prospective
Ohno	Japan	RestAsia	2000-06	100-199	No	Yes	Case-control
Pershagen	Sweden	Europe	1987-89	50-99	No	Yes	Case-control
Rapiti	India	RestAsia	1995-99	1-49	No	Yes	Case-control
Rylander	Sweden	Europe	2000-06	1-49	No	Yes	Case-control
Schwartz	USA	USCanada	1995-99	100-199	No	Yes	Case-control
Seow	Singapore	RestAsia	2000-06	100-199	No	No	Case-control
Shen	China	ChinaHK	1995-99	50-99	Yes	Yes	Case-control
Shimizu	Japan	RestAsia	1987-89	50-99	No	Yes	Case-control
Sobue	Japan	RestAsia	1990-94	100-199	No	Yes	Case-control
Speize	USA	USCanada	1995-99	1-49	No	Yes	Prospective
Stockwell	USA	USCanada	1990-94	200-399	No	Yes	Case-control
Sun	China	ChinaHK	1995-99	200-399	No	Yes	Case-control
Svensson	Sweden	Europe	1987-89	1-49	No	Yes	Case-control
Trichopoulos	Greece	Europe	1981-86	50-99	Yes	No	Case-control

ALL STUDIES
EXPOSURE GROUPS BASED ON ISSNZ, MODIFIED FOR USA, EXPOSURE IN 10 CIGS/DAY
GENG DATA REPLACED WITH PNL ESTIMATES
WEIGHT ON (1/se*se), Variance set at 1

APPENDIX 2

ETS and Lung Cancer - Meta-Analysis of Dose Response Exposure (or nearest equivalent), 02-AUG-06

Female (Husband's smoking) - Number cigarettes smoked

LISTING OF VARIOUS STUDY VARIABLES

Study title	Country	REG	PUBYR	NLC	DOSER	COAGE	STYPE
Vineis	Western Europe	Europe	2000-06	50-99	No	Yes	Prospective
Wang L	China	ChinaHK	2000-06	200-399	No	Yes	Case-control
Wang S	China	ChinaHK	1995-99	50-99	No	No	Case-control
Wang T	China	ChinaHK	1995-99	100-199	Yes	Yes	Case-control
Wu	USA	USCanada	1981-86	1-49	No	Yes	Case-control
Wu-Williams	China	ChinaHK	1990-94	400+	No	Yes	Case-control
Zaridze	Russia	Europe	1995-99	100-199	Yes	Yes	Case-control
Zatloukal	Czech Republic	Europe	2000-06	50-99	No	Yes	Case-control
Zheng	China	ChinaHK	1995-99	50-99	No	Yes	Case-control
Zhong	China	ChinaHK	1995-99	400+	Yes	Yes	Case-control

NOTES: REG REGION

PUBYR PUBLICATION YEAR

NLC NUMBER OF LUNG CANCER CASES

DOSER DOSE RESPONSE DATA AVAILABLE FOR GIGARETTES PER DAY

COAGE ADJUSTMENT (OR MATCHING) FOR AGE WITHIN STUDY DESIGN

STYPE STUDY TYPE

ALL STUDIES
EXPOSURE GROUPS BASED ON ISSNZ, MODIFIED FOR USA, EXPOSURE IN 10 CIGS/DAY
GENG DATA REPLACED WITH PNL ESTIMATES
WEIGHT ON (1/se*se), Variance set at 1

APPENDIX 2

ETS and Lung Cancer - Meta-Analysis of Dose Response Exposure (or nearest equivalent), 02-AUG-06

Female (Husband's smoking) - Number cigarettes smoked

DISTRIBUTIONS OF VARIOUS STUDY VARIABLES

		USCanada	Europe	ChinaHK	RestAsia	Total
Region						
	N	21	16	18	12	67
USCanada		21	0	0	0	21
Europe		0	16	0	0	16
ChinaHK		0	0	18	0	18
RestAsia		0	0	0	12	12
Year of publication						
	N	21	16	18	12	67
1981-86		6	2	2	2	12
1987-89		3	3	4	3	13
1990-94		5	1	4	1	11
1995-99		4	4	6	2	16
2000-06		3	6	2	4	15
Number of lung cancer cases						
	N	21	16	18	12	67
1-49		8	5	1	3	17
50-99		3	6	9	4	22
100-199		6	3	2	3	14
200-399		2	1	4	2	9
400+		2	1	2	0	5
Studies with DR data						
	N	21	16	18	12	67
Yes		6	5	8	4	23
No		15	11	10	8	44
Age in study design						
	N	21	16	18	12	67
Yes		19	14	12	10	55
No		2	2	6	2	12
Study type						
	N	21	16	18	12	67
Case-control		16	14	18	9	57
Prospective		5	2	0	3	10

ALL STUDIES
EXPOSURE GROUPS BASED ON ISSNZ, MODIFIED FOR USA, EXPOSURE IN 10 CIGS/DAY
  GENG DATA REPLACED WITH PNL ESTIMATES
WEIGHT ON (1/se*se), Variance set at 1

APPENDIX 2

ETS and Lung Cancer - Meta-Analysis of Dose Response Exposure (or nearest equivalent), 02-AUG-06

Female (Husband's smoking) - Number cigarettes smoked

FIXED-EFFECTS HETEROGENEITY META-ANALYSES BY VARIOUS FACTORS

Dose Response (Beta)
WEIGHTED on Beta Weight

		Deviance	(DF)				
Model 1		101.6151	(66)				
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.0734	0.0135	+++	1.0762	1.0481	1.1050
		Deviance	(DF)	Drop Dev		P	
Model 2		96.1260	(63)	5.4891		N.S.	
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.0542	0.0206	+	1.0557	1.0140	1.0991
Region							
USCanada	21	Aliased					
Europe	16	0.0134	0.0369	N.S.	1.0699	1.0076	1.1361
ChinaHK	18	0.0136	0.0345	N.S.	1.0701	1.0136	1.1299
RestAsia	12	0.0963	0.0416	+	1.1624	1.0828	1.2478
		Deviance	(DF)	Drop Dev		P	
Model 2		85.3878	(62)	16.2273		**	
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.1181	0.0328	+++	1.1253	1.0552	1.2001
Year of publication							
1981-86	12	Aliased					
1987-89	13	0.0814	0.0556	N.S.	1.2208	1.1179	1.3331
1990-94	11	-0.1050	0.0405	-	1.0131	0.9670	1.0614
1995-99	16	-0.0459	0.0427	N.S.	1.0748	1.0187	1.1339
2000-06	15	-0.0397	0.0460	N.S.	1.0815	1.0153	1.1521
		Deviance	(DF)	Drop Dev		P	
Model 2		79.3829	(62)	22.2322		***	
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.1534	0.0578	+	1.1658	1.0411	1.3056
Number of lung cancer cases							
1-49	17	Aliased					
50-99	22	-0.0341	0.0660	N.S.	1.1267	1.0585	1.1993
100-199	14	-0.0902	0.0633	N.S.	1.0653	1.0128	1.1205
200-399	9	0.0075	0.0662	N.S.	1.1746	1.1024	1.2515
400+	5	-0.1584	0.0625	-	0.9950	0.9496	1.0427
		Deviance	(DF)	Drop Dev		P	
Model 2		96.9823	(65)	4.6328		*	
		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.1076	0.0209	+++	1.1137	1.0691	1.1601
Studies with DR data							
Yes	23	Aliased					
No	44	-0.0589	0.0273	-	1.0500	1.0142	1.0870
		Deviance	(DF)	Drop Dev		P	
Model 2		83.7145	(65)	17.9006		***	

ALL STUDIES
EXPOSURE GROUPS BASED ON ISSNZ, MODIFIED FOR USA, EXPOSURE IN 10 CIGS/DAY
GENG DATA REPLACED WITH PNL ESTIMATES
WEIGHT ON (1/se*se), Variance set at 1

APPENDIX 2

ETS and Lung Cancer - Meta-Analysis of Dose Response Exposure (or nearest equivalent), 02-AUG-06

Female (Husband's smoking) - Number cigarettes smoked

FIXED-EFFECTS HETEROGENEITY META-ANALYSES BY VARIOUS FACTORS

Dose Response (Beta)
WEIGHTED on Beta Weight

		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.0534	0.0143	+++	1.0548	1.0257	1.0848
Age in study design							
Yes	55	Aliased					
No	12	0.1827	0.0432	+++	1.2663	1.1691	1.3715

	Deviance	(DF)	Drop Dev	P
Model 2	101.5555	(65)	0.0596	N.S.

		Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant		0.0720	0.0147	+++	1.0747	1.0442	1.1060
Study type							
Case-control	57	Aliased					
Prospective	10	0.0091	0.0374	N.S.	1.0845	1.0138	1.1601

ALL STUDIES
EXPOSURE GROUPS BASED ON ISSNZ, MODIFIED FOR USA, EXPOSURE IN 10 CIGS/DAY
GENG DATA REPLACED WITH PNL ESTIMATES
WEIGHT ON (1/se*se), Variance set at 1

APPENDIX 2

ETS and Lung Cancer - Meta-Analysis of Dose Response Exposure (or nearest equivalent), 02-AUG-06

Female (Husband's smoking) - Number cigarettes smoked

SEPARATE FIXED- AND RANDOM-EFFECTS META-ANALYSES BY REGION

NORTH AMERICA AND EUROPE
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	33.5299	(36)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0584	0.0171	++	1.0601	1.0252	1.0962

RANDOM EFFECTS MODEL
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	33.5299	(36)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0584	0.0171	++	1.0601	1.0252	1.0962

ASIA
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	66.0220	(29)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0984	0.0220	+++	1.1034	1.0568	1.1520

RANDOM EFFECTS MODEL
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	23.6771	(29)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.1376	0.0357	+++	1.1476	1.0701	1.2306

USA AND CANADA
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	18.0796	(20)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0542	0.0206	+	1.0557	1.0140	1.0991

RANDOM EFFECTS MODEL
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	18.0796	(20)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0542	0.0206	+	1.0557	1.0140	1.0991

ALL STUDIES
EXPOSURE GROUPS BASED ON ISSNZ, MODIFIED FOR USA, EXPOSURE IN 10 CIGS/DAY
GENG DATA REPLACED WITH PNL ESTIMATES
WEIGHT ON (1/se*se), Variance set at 1

APPENDIX 2

ETS and Lung Cancer - Meta-Analysis of Dose Response Exposure (or nearest equivalent), 02-AUG-06

Female (Husband's smoking) - Number cigarettes smoked

SEPARATE FIXED- AND RANDOM-EFFECTS META-ANALYSES BY REGION

EUROPE
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	15.3189	(15)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0676	0.0306	+	1.0699	1.0076	1.1361

RANDOM EFFECTS MODEL
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	14.9567	(15)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0694	0.0316	+	1.0719	1.0075	1.1403

CHINA AND HONG KONG
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	54.4801	(17)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0678	0.0277	+	1.0701	1.0136	1.1299

RANDOM EFFECTS MODEL
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	14.8361	(17)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.1335	0.0535	+	1.1428	1.0290	1.2691

REST OF ASIA
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	8.2474	(11)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.1505	0.0362	++	1.1624	1.0828	1.2478

RANDOM EFFECTS MODEL
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	8.2474	(11)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.1505	0.0362	++	1.1624	1.0828	1.2478

ALL STUDIES
EXPOSURE GROUPS BASED ON ISSNZ, MODIFIED FOR USA, EXPOSURE IN 10 CIGS/DAY
GENG DATA REPLACED WITH PNL ESTIMATES
WEIGHT ON (1/se*se), Variance set at 1

APPENDIX 2

ETS and Lung Cancer - Meta-Analysis of Dose Response Exposure (or nearest equivalent), 02-AUG-06

Female (Husband's smoking) - Number cigarettes smoked

SEPARATE FIXED- AND RANDOM-EFFECTS META-ANALYSES BY YEAR OF PUBLICATION

PUBLISHED IN 1980S
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	20.3271	(24)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.1464	0.0265	+++	1.1577	1.0991	1.2194

RANDOM EFFECTS MODEL
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	20.3271	(24)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.1464	0.0265	+++	1.1577	1.0991	1.2194

PUBLISHED IN 1990S
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	51.2683	(26)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0384	0.0179	+	1.0392	1.0033	1.0764

RANDOM EFFECTS MODEL
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	27.1081	(26)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0609	0.0290	+	1.0628	1.0041	1.1249

CASE-CONTROL STUDIES

PUBLISHED IN 2000S
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	18.5989	(14)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0784	0.0322	+	1.0815	1.0153	1.1521

RANDOM EFFECTS MODEL
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	13.9113	(14)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0788	0.0390	(+)	1.0820	1.0024	1.1680

ALL STUDIES
EXPOSURE GROUPS BASED ON ISSNZ, MODIFIED FOR USA, EXPOSURE IN 10 CIGS/DAY
GENG DATA REPLACED WITH PNL ESTIMATES
WEIGHT ON (1/se*se), Variance set at 1

APPENDIX 2

ETS and Lung Cancer - Meta-Analysis of Dose Response Exposure (or nearest equivalent), 02-AUG-06

Female (Husband's smoking) - Number cigarettes smoked

SEPARATE FIXED- AND RANDOM-EFFECTS META-ANALYSES BY NUMBER OF LUNG CANCER CASES

<100 CASES
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	42.4973	(38)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.1273	0.0279	+++	1.1357	1.0753	1.1996

RANDOM EFFECTS MODEL
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	38.0358	(38)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.1283	0.0303	+++	1.1369	1.0715	1.2063

100-199 CASES
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	12.7405	(13)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0632	0.0258	+	1.0653	1.0128	1.1205

RANDOM EFFECTS MODEL
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	12.7405	(13)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0632	0.0258	+	1.0653	1.0128	1.1205

200-399 CASES
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	7.1554	(8)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.1609	0.0324	++	1.1746	1.1024	1.2515

RANDOM EFFECTS MODEL
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	7.1554	(8)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.1609	0.0324	++	1.1746	1.1024	1.2515

ALL STUDIES
EXPOSURE GROUPS BASED ON ISSNZ, MODIFIED FOR USA, EXPOSURE IN 10 CIGS/DAY
GENG DATA REPLACED WITH PNL ESTIMATES
WEIGHT ON (1/se*se), Variance set at 1

APPENDIX 2

ETS and Lung Cancer - Meta-Analysis of Dose Response Exposure (or nearest equivalent), 02-AUG-06

Female (Husband's smoking) - Number cigarettes smoked

SEPARATE FIXED- AND RANDOM-EFFECTS META-ANALYSES BY NUMBER OF LUNG CANCER CASES

400+ CASES
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	17.2575	(4)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	-0.0050	0.0239	N.S.	0.9950	0.9496	1.0427

RANDOM EFFECTS MODEL
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	3.8932	(4)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	-0.0143	0.0512	N.S.	0.9858	0.8917	1.0899

ALL STUDIES
EXPOSURE GROUPS BASED ON ISSNZ, MODIFIED FOR USA, EXPOSURE IN 10 CIGS/DAY
GENG DATA REPLACED WITH PNL ESTIMATES
WEIGHT ON (1/se*se), Variance set at 1

APPENDIX 2

ETS and Lung Cancer - Meta-Analysis of Dose Response Exposure (or nearest equivalent), 02-AUG-06

Female (Husband's smoking) - Number cigarettes smoked

SEPARATE FIXED- AND RANDOM-EFFECTS META-ANALYSES BY DOSE-RESPONSE OR NOT

RESULTS FOR DOSE-RESPONSE
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	27.5740	(22)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.1076	0.0209	+++	1.1137	1.0691	1.1601

RANDOM EFFECTS MODEL
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	21.9365	(22)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.1149	0.0247	+++	1.1218	1.0687	1.1774

NO RESULTS FOR DOSE-RESPONSE
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	69.4083	(43)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0488	0.0177	++	1.0500	1.0142	1.0870

RANDOM EFFECTS MODEL
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	39.6246	(43)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0725	0.0260	++	1.0752	1.0217	1.1315

ALL STUDIES
EXPOSURE GROUPS BASED ON ISSNZ, MODIFIED FOR USA, EXPOSURE IN 10 CIGS/DAY
GENG DATA REPLACED WITH PNL ESTIMATES
WEIGHT ON (1/se*se), Variance set at 1

APPENDIX 2

ETS and Lung Cancer - Meta-Analysis of Dose Response Exposure (or nearest equivalent), 02-AUG-06

Female (Husband's smoking) - Number cigarettes smoked

SEPARATE FIXED- AND RANDOM-EFFECTS META-ANALYSES BY AGE ADJUSTMENT OR NOT

ADJUSTED (OR MATCHED) FOR AGE
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	67.1197	(54)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0534	0.0143	+++	1.0548	1.0257	1.0848

RANDOM EFFECTS MODEL
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	48.9689	(54)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0605	0.0174	++	1.0624	1.0267	1.0993

NOT ADJUSTED (OR MATCHED) FOR AGE
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	16.5948	(11)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.2361	0.0407	+++	1.2663	1.1691	1.3715

RANDOM EFFECTS MODEL
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	11.9046	(11)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.2432	0.0531	+++	1.2753	1.1493	1.4151

ALL STUDIES
EXPOSURE GROUPS BASED ON ISSNZ, MODIFIED FOR USA, EXPOSURE IN 10 CIGS/DAY
GENG DATA REPLACED WITH PNL ESTIMATES
WEIGHT ON (1/se*se), Variance set at 1

APPENDIX 2

ETS and Lung Cancer - Meta-Analysis of Dose Response Exposure (or nearest equivalent), 02-AUG-06

Female (Husband's smoking) - Number cigarettes smoked

SEPARATE FIXED- AND RANDOM-EFFECTS META-ANALYSES BY STUDY TYPE

CASE-CONTROL STUDIES
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	95.5920	(56)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0720	0.0147	+++	1.0747	1.0442	1.1060

RANDOM EFFECTS MODEL
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	53.5345	(56)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0926	0.0216	+++	1.0970	1.0515	1.1445

PROSPECTIVE STUDIES
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	5.9636	(9)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0811	0.0344	+	1.0845	1.0138	1.1601

RANDOM EFFECTS MODEL
Dose Response (Beta)
WEIGHTED on Beta Weight

	Deviance	(DF)
Model 1	5.9636	(9)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0811	0.0344	+	1.0845	1.0138	1.1601

ALL STUDIES
EXPOSURE GROUPS BASED ON ISSNZ, MODIFIED FOR USA, EXPOSURE IN 10 CIGS/DAY
GENG DATA REPLACED WITH PNL ESTIMATES
WEIGHT ON (1/se*se), Variance set at 1