Appendix 19

Fuller details of the analyses relating lung cancer risk to whether or not the husband smoked – adjusted for confounding and corrected for misclassification

APPENDIX 19

ETS and Lung Cancer - Meta-Analysis of exposed/unexposed Risks, 13-SEP-06

Female (Husband's smoking)

BASIC DATA USED IN META-ANALYSES

CORRECTED FOR ALL CONFOUNDERS (FRUIT, VEG, FAT, EDUCATION) AND MISCLASSIFICATION

Confounder Differences based on Random-effects Regression

Misclassification: Additive, Concordance: 3.0, MissP: US:0.025, EU:0.025, ASIA:0.1

Study title	Country	RR	RRL	RRU	CA1	CA0	CO1	CO0	Expos
Akiba	Japan	1.3627	0.8268	2.5622	64.5233	20.6526	170.3443	74.3008	1.0000
Boffetta 2	7 countries	0.8827	0.4291	1.7249	22.2813	24.8777	49.3044	48.5930	1.0000
Boffetta	7 countries	0.9909	0.7801	1.2497	277.6372	166.6861	552.7803	328.8693	1.0000
Brownson 1	USA	1.5973	0.3437	7.0771	3.3188	11.8802	5.5960	31.9961	1.0000
Brownson 2	USA	0.7791	0.6054	0.9626	177.6702	216.6047	547.0495	519.6032	1.0000
Buffler	USA	0.5757	0.2193	1.5260	20.7948	7.0478	111.3677	21.7311	1.0000
Butler	USA	1.8748	0.4333	8.1692	2.6019	5.6477	10908.1612	44391.5298	1.0000
Cardenas	USA	1.0284	0.6555	1.4342	60.5495	42.7173	81515.1647	59143.5725	1.0000
Chan	China	0.5770	0.3028	1.0926	21.9493	42.0780	50.3072	55.6428	1.0000
Choi	Korea	1.5123	0.8433	2.6950	44.6429	25.4953	82.2955	71.0733	1.0000
Correa	USA	1.6775	0.5025	5.5573	7.4821	5.2646	35.3434	41.7168	1.0000
De Waard	Netherlands	2.3925	0.7481	7.6383	16.6844	3.7665	110.2753	59.5596	1.0000
Du	China	0.9040	0.4968	1.6392	33.5599	24.1061	118.4079	76.8880	1.0000
Enstrom	USA	0.8498	0.5904	1.2150	91.6779	43.0465	14113.8814	5631.3360	1.0000
Fontham	USA	1.0807	0.8534	1.3683	281.0672	165.3577	525.2866	333.9628	1.0000
Gao	China	1.1514	0.7520	1.7496	146.2127	45.5458	215.1521	77.1706	1.0000
Garfinkel 1	USA	1.0678	0.7698	1.4805	80.3302	64.9082	90066.7915	77706.3386	1.0000
Garfinkel 2	USA	1.0809	0.6970	1.6780	75.3769	40.6342	219.9030	128.1314	1.0000
Geng	China	1.9128	0.8472	4.2891	22.9237	15.1994	28.9452	36.7111	1.0000
Gorlova	USA	1.0258	0.5446	1.9329	55.9791	27.8120	58.5452	29.8377	1.0000
Hirayama	Japan	1.3096	0.9077	1.9064	143.8908	34.5434	62135.2042	19534.0735	1.0000
Hole	Scotland	1.7028	0.1687	17.0638	3.9620	0.8786	1044.7598	394.5094	1.0000
Humble 1	USA	1.8238	0.4699	7.2910	7.5399	3.2253	48.9913	38.2203	1.0000
IARC: Kreuzer	Germany	0.7041	0.4319	1.1658	45.6199	44.8990	122.2473	84.7110	1.0000
Inoue	Japan	2.1000	0.7017	8.4600	15.6233	4.2163	27.0534	15.3323	1.0000
Janerich	USA	0.5698	0.3414	0.9537	54.5758	64.5956	71.1712	48.0004	1.0000
Jee	Korea	1.6056	0.8596	2.9979	63.0516	11.6641	114808.1140	34100.1846	1.0000
Johnson	Canada	0.9418	0.4387	2.0021	24.4410	10.4188	266.6043	107.0342	1.0000
Kabat 1	USA	0.6449	0.1891	2.1585	10.1963	10.5407	12.9606	8.6405	1.0000
Kabat 2	USA	0.8714	0.4543	1.6682	28.5304	22.7873	78.1290	54.3795	1.0000
Kalandidi	Greece	1.9876	1.0200	3.8690	55.8622	18.4673	57.8122	37.9872	1.0000
Koo	China	1.4408	0.7139	2.9066	29.7497	21.8982	39.6444	42.0454	1.0000
Lagarde	Sweden	0.9830	0.6962	1.3929	65.1668	108.1673	240.2760	392.0293	1.0000
Lam T	China	1.4383	0.9752	2.1241	88.7109	74.2680	124.4761	149.8835	1.0000
Lam W	China	1.7958	0.9144	3.5394	28.7887	20.0360	52.0841	65.0950	1.0000
Layard	USA	0.4652	0.2200	0.9912	10.0816	21.8531	787.0058	793.5523	1.0000
Lee	England	0.7937	0.2629	2.4021	12.8979	7.5852	28.7983	13.4418	1.0000
Lee C-H	Taiwan	1.7413	1.1980	2.5302	137.5787	59.9622	186.4852	141.5269	1.0000
Liu Q	China	1.4895	0.6107	3.6591	19.7670	11.4777	30.4227	26.3123	1.0000
Liu Z	China	0.6395	0.2344	1.7308	27.9191	6.4503	112.0287	16.5527	1.0000
Malats	7 Europe+Brazil	1.3514	0.6777	2.6839	31.9992	44.5386	22.0128	41.4064	1.0000
McGhee	China	1.1723	0.7617	1.8168	59.0298	65.4647	104.3065	135.6137	1.0000
Nishino	Japan	1.7092	0.6014	4.6209	8.1458	6.7607	18984.6080	26931.6036	1.0000
Ohno	Japan	0.8915	0.5893	1.3464	121.9944	51.5321	217.1407	81.7709	1.0000
Pershagen	Sweden	1.0657	0.6040	1.9194	30.6690	26.5211	125.0118	115.2029	1.0000
Rapiti	India	1.0356	0.3938	2.7425	9.7307	20.5828	15.5265	34.0114	1.0000
Rylander	Sweden	1.1265	0.3955	3.2152	5.2239	18.5323	30.9726	123.7757	1.0000
Schwartz	USA	0.8950	0.5683	1.4090	98.2417	63.7042	98.0407	56.8996	1.0000
Seow	Singapore	1.1332	0.7930	1.6193	74.1148	78.9212	260.8539	314.7664	1.0000
Shen	China	0.6190	0.2441	1.5398	45.8512	13.8096	50.2875	9.3753	1.0000
Shimizu	Japan	0.9488	0.5448	1.6502	42.7841	35.6816	79.3342	62.7763	1.0000
Sobue	Japan	0.9939	0.6679	1.4725	63.8256	54.6273	324.9208	276.3902	1.0000
Speize	USA	1.2129	0.1982	6.2355	17.7778	1.3930	189387.5030	18000.0001	1.0000
Stockwell	USA	1.3665	0.6460	2.7099	37.4779	17.9521	49.1699	32.1856	1.0000
Sun	China	0.9682	0.6436	1.4633	109.6853	78.2966	111.1583	76.8252	1.0000
Svensson	Sweden	1.1740	0.4252	3.2419	14.2518	6.3898	69.2180	36.4338	1.0000
Trichopoulos	Greece	1.9453	1.1188	3.3679	50.5389	24.4089	112.9211	106.0921	1.0000
Vineis	Western Europe	0.9687	0.4923	1.9209	19.4033	14.4566	26955.3402	19455.3695	1.0000
Wang L	China	0.9999	0.5801	1.6571	120.9367	25.1230	246.1072	51.1205	1.0000

ALL STUDIES

WEIGHT ON (1/se*se), Variance set at 1

APPENDIX 19

ETS and Lung Cancer - Meta-Analysis of exposed/unexposed Risks, 13-SEP-06

Female (Husband's smoking)

BASIC DATA USED IN META-ANALYSES

CORRECTED FOR ALL CONFOUNDERS (FRUIT, VEG, FAT, EDUCATION) AND MISCLASSIFICATION

Confounder Differences based on Random-effects Regression

Misclassification: Additive, Concordance: 3.0, MissP: US:0.025, EU:0.025, ASIA:0.1

Study title	Country	RR	RRL	RRU	CA1	CA0	CO1	CO0	Expos
Wang S	China	2.3678	1.1689	4.8149	63.0823	15.0977	57.2066	32.4182	1.0000
Wang T	China	0.9277	0.5362	1.6059	72.1942	40.2231	74.1117	38.3049	1.0000
Wu	USA	1.0462	0.4060	3.0890	14.4221	9.1901	27.8286	18.5524	1.0000
Wu-Williams	China	0.5572	0.4637	0.7378	200.4971	294.6015	392.9892	321.7540	1.0000
Zaridze	Russia	1.4210	0.9822	2.0573	93.9804	79.1302	149.2960	178.6266	1.0000
Zatloukal	Czech Republic	0.2425	0.0558	1.0467	1.9370	37.8270	73.3741	347.4618	1.0000
Zheng	China	2.2987	0.9064	5.8462	46.9414	5.8178	136.8708	38.9939	1.0000
Zhong	China	0.9710	0.6853	1.3643	157.4865	96.3704	189.8872	112.8234	1.0000

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

EXPOS ASSIGNED EXPOSURE FOR SMOKING BY HUSBAND

ALL STUDIES

WEIGHT ON (1/se*se), Variance set at 1

APPENDIX 19

ETS and Lung Cancer - Meta-Analysis of exposed/unexposed Risks, 13-SEP-06

Female (Husband's smoking)

BASIC DATA USED IN META-ANALYSES

CORRECTED FOR ALL CONFOUNDERS (FRUIT, VEG, FAT, EDUCATION) AND MISCLASSIFICATION

Confounder Differences based on Random-effects Regression

Misclassification: Additive, Concordance: 3.0, MissP: US:0.025, EU:0.025, ASIA:0.1

Study title	Country	Beta	St.Err. Beta	Z	Weight	ETSse	FRU	VEG	FAT	EDU	TEA
Akiba	Japan	0.3095	0.2885	1.0728	12.0146	0.4607	0	0	0	0	0
Boffetta 2	7 countries	-0.1248	0.3549	-0.3516	7.9394	0.5024	0	0	0	0	0
Boffetta	7 countries	-0.0091	0.1202	-0.0757	69.2135	0.4839	0	0	0	0	0
Brownson 1	USA	0.4683	0.7716	0.6069	1.6796	0.3604	0	0	0	1	0
Brownson 2	USA	-0.2496	0.1183	-2.1099	71.4547	0.5000	0	0	0	0	0
Buffler	USA	-0.5521	0.4949	-1.1156	4.0829	0.3706	0	0	0	0	0
Butler	USA	0.6285	0.7492	0.8389	1.7816	0.3979	0	0	0	0	0
Cardenas	USA	0.0280	0.1997	0.1402	25.0752	0.4936	0	1	1	2	0
Chan	China	-0.5500	0.3274	-1.6799	9.3292	0.5012	0	0	0	0	0
Choi	Korea	0.4136	0.2964	1.3954	11.3827	0.5002	0	0	0	0	0
Correa	USA	0.5173	0.6131	0.8437	2.6603	0.5002	0	0	0	0	0
De Waard	Netherlands	0.8723	0.5927	1.4717	2.8466	0.4785	0	0	0	0	0
Du	China	-0.1009	0.3045	-0.3314	10.7851	0.4895	0	0	0	0	0
Enstrom	USA	-0.1628	0.1841	-0.8843	29.5048	0.4515	1	0	0	2	0
Fontham	USA	0.0776	0.1204	0.6445	68.9838	0.4877	1	1	0	2	0
Gao	China	0.1410	0.2154	0.6546	21.5530	0.4414	0	0	0	2	0
Garfinkel 1	USA	0.0656	0.1668	0.3933	35.9425	0.4986	0	0	0	0	0
Garfinkel 2	USA	0.0778	0.2241	0.3472	19.9121	0.4829	0	0	0	0	0
Geng	China	0.6486	0.4138	1.5674	5.8401	0.4992	0	0	0	0	0
Gorlova	USA	0.0255	0.3231	0.0789	9.5791	0.4752	0	0	0	1	0
Hirayama	Japan	0.2697	0.1893	1.4247	27.9061	0.4266	0	0	0	0	0
Hole	Scotland	0.5323	1.1777	0.4520	0.7210	0.4462	0	0	0	0	0
Humble 1	USA	0.6009	0.6995	0.8590	2.0437	0.4978	0	0	0	0	0
IARC: Kreuzer	Germany	-0.3509	0.2533	-1.3853	15.5858	0.4928	0	0	0	0	0
Inoue	Japan	0.7420	0.6351	1.1683	2.4792	0.4859	0	0	0	0	0
Janerich	USA	-0.5624	0.2621	-2.1457	14.5568	0.4922	0	0	0	0	0
Jee	Korea	0.4735	0.3187	1.4857	9.8455	0.4202	0	1	0	3	0
Johnson	Canada	-0.0600	0.3873	-0.1549	6.6666	0.4525	1	1	0	2	0
Kabat 1	USA	-0.4387	0.6212	-0.7062	2.5914	0.5000	0	0	0	0	0
Kabat 2	USA	-0.1376	0.3318	-0.4147	9.0834	0.4934	0	0	0	2	0
Kalandidi	Greece	0.6869	0.3401	2.0197	8.6454	0.4917	1	0	0	2	0
Koo	China	0.3652	0.3582	1.0195	7.7938	0.5023	0	0	0	2	0
Lagarde	Sweden	-0.0172	0.1769	-0.0972	31.9554	0.4857	0	0	0	3	0
Lam T	China	0.3634	0.1986	1.8298	25.3537	0.4986	0	0	0	0	0
Lam W	China	0.5854	0.3453	1.6953	8.3870	0.4986	0	0	0	0	0
Layard	USA	-0.7653	0.3840	-1.9930	6.7817	0.5001	0	0	0	0	0
Lee	England	-0.2311	0.5643	-0.4095	3.1404	0.4701	0	0	0	0	0
Lee C-H	Taiwan	0.5546	0.1907	2.9082	27.4978	0.4960	0	0	0	2	0
Liu Q	China	0.3985	0.4567	0.8726	4.7944	0.5022	0	0	0	2	0
Liu Z	China	-0.4470	0.5101	-0.8763	3.8432	0.3360	0	0	0	0	0
Malats	7 Europe+Brazil	0.3012	0.3511	0.8579	8.1122	0.4796	0	0	0	0	0
McGhee	China	0.1590	0.2218	0.7169	20.3272	0.4966	0	0	0	2	0
Nishino	Japan	0.5360	0.5202	1.0304	3.6954	0.4925	1	1	1	0	0
Ohno	Japan	-0.1149	0.2108	-0.5451	22.5040	0.4465	0	0	0	0	0
Pershagen	Sweden	0.0636	0.2949	0.2157	11.4987	0.5005	0	0	0	0	0
Rapiti	India	0.0350	0.4951	0.0707	4.0796	0.4679	0	0	0	0	0
Rylander	Sweden	0.1191	0.5346	0.2228	3.4990	0.4011	0	0	0	0	0
Schwartz	USA	-0.1109	0.2316	-0.4788	18.6433	0.4834	0	0	0	0	0
Seow	Singapore	0.1250	0.1821	0.6864	30.1564	0.4982	0	0	0	0	0
Shen	China	-0.4796	0.4699	-1.0206	4.5289	0.3666	0	0	0	0	0
Shimizu	Japan	-0.0526	0.2827	-0.1861	12.5126	0.4981	0	0	0	0	0
Sobue	Japan	-0.0061	0.2017	-0.0302	24.5804	0.4987	0	0	0	2	0
Speize	USA	0.1931	0.8798	0.2195	1.2919	0.2753	0	0	0	0	0
Stockwell	USA	0.3123	0.3658	0.8537	7.4733	0.4915	0	0	0	2	0
Sun	China	-0.0323	0.2095	-0.1542	22.7841	0.4927	0	0	0	2	0
Svensson	Sweden	0.1604	0.5182	0.3095	3.7240	0.4772	0	0	0	0	0
Trichopoulos	Greece	0.6654	0.2811	2.3671	12.6555	0.5009	0	0	0	0	0
Vineis	Western Europe	-0.0318	0.3473	-0.0916	8.2907	0.4934	1	1	1	2	0
Wang L	China	-0.0001	0.2678	-0.0004	13.9437	0.3780	0	0	0	1	0

ALL STUDIES

WEIGHT ON (1/se*se), Variance set at 1

APPENDIX 19

ETS and Lung Cancer - Meta-Analysis of exposed/unexposed Risks, 13-SEP-06

Female (Husband's smoking)

BASIC DATA USED IN META-ANALYSES

CORRECTED FOR ALL CONFOUNDERS (FRUIT, VEG, FAT, EDUCATION) AND MISCLASSIFICATION

Confounder Differences based on Random-effects Regression

Misclassification: Additive, Concordance: 3.0, MissP: US:0.025, EU:0.025, ASIA:0.1

Study title	Country	Beta	St.Err. Beta	Z	Weight	ETSse	FRU	VEG	FAT	EDU	TEA
Wang S	China	0.8619	0.3611	2.3869	7.6691	0.4831	0	0	0	0	0
Wang T	China	-0.0751	0.2798	-0.2684	12.7733	0.4757	0	0	0	0	0
Wu	USA	0.0452	0.5177	0.0873	3.7312	0.4944	0	0	0	0	0
Wu-Williams	China	-0.5848	0.1185	-4.9350	71.2137	0.4978	0	0	0	2	0
Zaridze	Russia	0.3514	0.1886	1.8632	28.1136	0.4987	0	0	0	2	0
Zatloukal	Czech Republic	-1.4168	0.7478	-1.8946	1.7883	0.3797	0	0	0	2	0
Zheng	China	0.8323	0.4755	1.7504	4.4228	0.4163	0	0	0	0	0
Zhong	China	-0.0295	0.1757	-0.1679	32.3934	0.4842	1	0	0	1	0

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)

ETSse STANDARD ERROR OF ETS EXPOSURE OVER THE CONTROL GROUPS

WEIGHT INVERSE OF THE VARIANCE OF BETA

FRU = 1 ANALYSIS ADJUSTED FOR FRUIT

VEG = 1 " " " VEGETABLES

FAT = 1 " " " FRUIT

EDU = 1 " " " INCOME

= 2 " " " EDUCATION

= 3 " " " SOCIO-ECONOMIC STATUS

TEA = 0 NO ADJUSTMENT (OR MATCHING) FOR TEA

ALL STUDIES

WEIGHT ON (1/se*se), Variance set at 1

APPENDIX 19
ETS and Lung Cancer - Meta-Analysis of exposed/unexposed Risks, 13-SEP-06
Female (Husband's smoking)

CORRECTED FOR ALL CONFOUNDERS (FRUIT, VEG, FAT, EDUCATION) AND MISCLASSIFICATION
RANDOM-EFFECTS META-ANALYSES
Confounder Differences based on Random-effects Regression
Misclassification: Additive, Concordance: 3.0, MissP: US:0.025, EU:0.025, ASIA:0.1

Log RR (Beta)
WEIGHTED on Beta Weights

	Deviance	(DF)
Model 1	60.6483	(66)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0616	0.0448	N.S.	1.0636	0.9742	1.1611

SEPARATE RANDOM-EFFECTS META-ANALYSES BY REGION

NORTH AMERICA AND EUROPE
Log RR (Beta)
WEIGHTED on Beta Weights

	Deviance	(DF)
Model 1	36.0037	(36)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	-0.0020	0.0498	N.S.	0.9980	0.9052	1.1003

ASIA
Log RR (Beta)
WEIGHTED on Beta Weights

	Deviance	(DF)
Model 1	22.9341	(29)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.1348	0.0755	(+)	1.1443	0.9870	1.3267

USA AND CANADA
Log RR (Beta)
WEIGHTED on Beta Weights

	Deviance	(DF)
Model 1	18.0855	(20)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	-0.0747	0.0540	N.S.	0.9280	0.8349	1.0316

EUROPE
Log RR (Beta)
WEIGHTED on Beta Weights

	Deviance	(DF)
Model 1	15.5866	(15)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.1132	0.0898	N.S.	1.1199	0.9392	1.3354

CHINA AND HONG KONG
Log RR (Beta)
WEIGHTED on Beta Weights

	Deviance	(DF)
Model 1	14.3943	(17)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0791	0.1095	N.S.	1.0823	0.8734	1.3413

REST OF ASIA
Log RR (Beta)
WEIGHTED on Beta Weights

	Deviance	(DF)
Model 1	10.4609	(11)

ALL STUDIES
WEIGHT ON (1/se*se), Variance set at 1

APPENDIX 19

ETS and Lung Cancer - Meta-Analysis of exposed/unexposed Risks, 13-SEP-06

Female (Husband's smoking)

CORRECTED FOR ALL CONFOUNDERS (FRUIT, VEG, FAT, EDUCATION) AND MISCLASSIFICATION
SEPARATE RANDOM-EFFECTS META-ANALYSES BY REGION
Confounder Differences based on Random-effects Regression
Misclassification: Additive, Concordance: 3.0, MissP: US:0.025, EU:0.025, ASIA:0.1

Log RR (Beta)
WEIGHTED on Beta Weights

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.2131	0.0728	+	1.2375	1.0729	1.4273

SEPARATE RANDOM-EFFECTS META-ANALYSES BY YEAR OF PUBLICATION

PUBLISHED IN 1980S
Log RR (Beta)
WEIGHTED on Beta Weights

	Deviance	(DF)
Model 1	20.0298	(24)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.2010	0.0632	++	1.2227	1.0803	1.3838

PUBLISHED IN 1990S
Log RR (Beta)
WEIGHTED on Beta Weights

	Deviance	(DF)
Model 1	26.3230	(26)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	-0.0084	0.0736	N.S.	0.9916	0.8585	1.1454

PUBLISHED IN 2000S
Log RR (Beta)
WEIGHTED on Beta Weights

	Deviance	(DF)
Model 1	13.7470	(14)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0416	0.0760	N.S.	1.0425	0.8982	1.2101

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

<100 CASES
Log RR (Beta)
WEIGHTED on Beta Weights

	Deviance	(DF)
Model 1	37.4869	(38)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.1664	0.0748	+	1.1811	1.0201	1.3675

100-199 CASES
Log RR (Beta)
WEIGHTED on Beta Weights

	Deviance	(DF)
Model 1	13.0082	(13)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	-0.0033	0.0597	N.S.	0.9967	0.8867	1.1204

200-399 CASES
Log RR (Beta)
WEIGHTED on Beta Weights

	Deviance	(DF)
Model 1	7.9363	(8)

ALL STUDIES
WEIGHT ON (1/se*se), Variance set at 1

APPENDIX 19
ETS and Lung Cancer - Meta-Analysis of exposed/unexposed Risks, 13-SEP-06
Female (Husband's smoking)

CORRECTED FOR ALL CONFOUNDERS (FRUIT, VEG, FAT, EDUCATION) AND MISCLASSIFICATION
SEPARATE RANDOM-EFFECTS META-ANALYSES BY NUMBER OF LUNG CANCER CASES
Confounder Differences based on Random-effects Regression
Misclassification: Additive, Concordance: 3.0, MissP: US:0.025, EU:0.025, ASIA:0.1

Log RR (Beta)
WEIGHTED on Beta Weights

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.1805	0.0720	+	1.1979	1.0402	1.3794

400+ CASES
Log RR (Beta)
WEIGHTED on Beta Weights

	Deviance	(DF)
Model 1	3.6896	(4)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	-0.1644	0.1259	N.S.	0.8484	0.6629	1.0858

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

RESULTS FOR DOSE-RESPONSE
Log RR (Beta)
WEIGHTED on Beta Weights

	Deviance	(DF)
Model 1	22.5473	(22)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.1568	0.0600	+	1.1697	1.0400	1.3156

NO RESULTS FOR DOSE-RESPONSE
Log RR (Beta)
WEIGHTED on Beta Weights

	Deviance	(DF)
Model 1	37.9565	(43)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0023	0.0580	N.S.	1.0023	0.8945	1.1231

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

ADJUSTED (OR MATCHED) FOR AGE
Log RR (Beta)
WEIGHTED on Beta Weights

	Deviance	(DF)
Model 1	47.2691	(54)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0078	0.0447	N.S.	1.0078	0.9232	1.1001

NOT ADJUSTED (OR MATCHED) FOR AGE
Log RR (Beta)
WEIGHTED on Beta Weights

	Deviance	(DF)
Model 1	11.6197	(11)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.3382	0.1215	+	1.4024	1.1053	1.7794

SEPARATE RANDOM-EFFECTS META-ANALYSES BY STUDY TYPE

CASE-CONTROL STUDIES

ALL STUDIES
WEIGHT ON (1/se*se), Variance set at 1

APPENDIX 19
ETS and Lung Cancer - Meta-Analysis of exposed/unexposed Risks, 13-SEP-06
Female (Husband's smoking)

CORRECTED FOR ALL CONFOUNDERS (FRUIT, VEG, FAT, EDUCATION) AND MISCLASSIFICATION
SEPARATE RANDOM-EFFECTS META-ANALYSES BY STUDY TYPE
Confounder Differences based on Random-effects Regression
Misclassification: Additive, Concordance: 3.0, MissP: US:0.025, EU:0.025, ASIA:0.1

Log RR (Beta)
WEIGHTED on Beta Weights

	Deviance	(DF)
Model 1	52.2994	(56)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0542	0.0509	N.S.	1.0557	0.9554	1.1664

PROSPECTIVE STUDIES
Log RR (Beta)
WEIGHTED on Beta Weights

	Deviance	(DF)
Model 1	5.8757	(9)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0966	0.0833	N.S.	1.1014	0.9355	1.2968

ALL STUDIES
WEIGHT ON (1/se*se), Variance set at 1