Appendix 14

Fuller details of the analyses relating lung cancer risk to the number of cigarettes smoked by the husband – adjusted for different confounders

APPENDIX 14

ETS and Lung Cancer - Meta-Analysis of Dose Response Exposure (or nearest equivalent), 08-SEP-06

Female (Husband's smoking) - Number cigarettes smoked

CORRECTED FOR NO CONFOUNDERS (BACK CORRECTED FOR FRUIT, VEG, FAT, EDUCATION)
RANDOM-EFFECTS META-ANALYSES
Confounder Differences based on Random-effects Regression

Dose Response (Beta)
WEIGHTED on Beta Weights

	Deviance	(DF)				
Model 1	62.0661	(66)				
	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0927	0.0188	+++	1.0972	1.0575	1.1383

SEPARATE RANDOM-EFFECTS META-ANALYSES BY REGION

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

	Deviance	(DF)				
Model 1	34.1440	(36)				
	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0606	0.0171	++	1.0625	1.0275	1.0987

ASIA
Dose Response (Beta)
WEIGHTED on Beta Weights

	Deviance	(DF)				
Model 1	23.5747	(29)				
	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.1393	0.0354	+++	1.1495	1.0724	1.2320

CORRECTED FOR FRUIT
RANDOM-EFFECTS META-ANALYSES

	Deviance	(DF)				
Model 1	62.0456	(66)				
	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0874	0.0188	+++	1.0913	1.0519	1.1323

SEPARATE RANDOM-EFFECTS META-ANALYSES BY REGION

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

	Deviance	(DF)				
Model 1	34.2908	(36)				
	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0557	0.0171	++	1.0573	1.0225	1.0933

ASIA
Dose Response (Beta)
WEIGHTED on Beta Weights

	Deviance	(DF)				
Model 1	23.5773	(29)				
	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.1336	0.0354	+++	1.1429	1.0662	1.2251

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 14

ETS and Lung Cancer - Meta-Analysis of Dose Response Exposure (or nearest equivalent), 08-SEP-06

Female (Husband's smoking) - Number cigarettes smoked

CORRECTED FOR VEGETABLES
RANDOM-EFFECTS META-ANALYSES
Confounder Differences based on Random-effects Regression

Dose Response (Beta)
WEIGHTED on Beta Weights

	Deviance	(DF)				
Model 1	62.0503	(66)				
	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0892	0.0188	+++	1.0933	1.0538	1.1343

SEPARATE RANDOM-EFFECTS META-ANALYSES BY REGION

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

	Deviance	(DF)				
Model 1	34.2437	(36)				
	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0574	0.0171	++	1.0591	1.0242	1.0951

ASIA
Dose Response (Beta)
WEIGHTED on Beta Weights

	Deviance	(DF)				
Model 1	23.5748	(29)				
	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.1355	0.0354	+++	1.1451	1.0683	1.2274

CORRECTED FOR DIETARY FAT
RANDOM-EFFECTS META-ANALYSES

	Deviance	(DF)				
Model 1	62.0411	(66)				
	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0801	0.0188	+++	1.0834	1.0441	1.1241

SEPARATE RANDOM-EFFECTS META-ANALYSES BY REGION

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

	Deviance	(DF)				
Model 1	34.5887	(36)				
	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0489	0.0171	++	1.0502	1.0156	1.0859

ASIA
Dose Response (Beta)
WEIGHTED on Beta Weights

	Deviance	(DF)				
Model 1	23.5918	(29)				
	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.1256	0.0355	++	1.1338	1.0575	1.2156

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 14

ETS and Lung Cancer - Meta-Analysis of Dose Response Exposure (or nearest equivalent), 08-SEP-06

Female (Husband's smoking) - Number cigarettes smoked

CORRECTED FOR YEARS OF EDUCATION
RANDOM-EFFECTS META-ANALYSES
Confounder Differences based on Random-effects Regression

Dose Response (Beta)
WEIGHTED on Beta Weights

	Deviance	(DF)				
Model 1	62.0800	(66)				
	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0690	0.0190	+++	1.0714	1.0322	1.1121

SEPARATE RANDOM-EFFECTS META-ANALYSES BY REGION

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

	Deviance	(DF)				
Model 1	35.3402	(36)				
	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0384	0.0171	+	1.0392	1.0050	1.0745

ASIA
Dose Response (Beta)
WEIGHTED on Beta Weights

	Deviance	(DF)				
Model 1	23.6312	(29)				
	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.1137	0.0358	++	1.1204	1.0445	1.2019

CORRECTED FOR TEA
RANDOM-EFFECTS META-ANALYSES

	Deviance	(DF)				
Model 1	62.0109	(66)				
	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0823	0.0188	+++	1.0858	1.0466	1.1265

SEPARATE RANDOM-EFFECTS META-ANALYSES BY REGION

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

	Deviance	(DF)				
Model 1	34.3136	(36)				
	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0512	0.0171	++	1.0526	1.0179	1.0884

ASIA
Dose Response (Beta)
WEIGHTED on Beta Weights

	Deviance	(DF)				
Model 1	23.5825	(29)				
	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.1279	0.0354	++	1.1365	1.0602	1.2182

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 14

ETS and Lung Cancer - Meta-Analysis of Dose Response Exposure (or nearest equivalent), 08-SEP-06

Female (Husband's smoking) - Number cigarettes smoked

CORRECTED FOR ALL CONFOUNDERS (FRUIT, VEG, FAT, EDUCATION, TEA)
RANDOM-EFFECTS META-ANALYSES
Confounder Differences based on Random-effects Regression

Dose Response (Beta)
WEIGHTED on Beta Weights

	Deviance	(DF)
Model 1	61.9728	(66)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0419	0.0191	+	1.0428	1.0044	1.0825

SEPARATE RANDOM-EFFECTS META-ANALYSES BY REGION

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

	Deviance	(DF)
Model 1	35.9596	(36)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0136	0.0171	N.S.	1.0137	0.9802	1.0484

ASIA
Dose Response (Beta)
WEIGHTED on Beta Weights

	Deviance	(DF)
Model 1	23.6612	(29)

	Estimate	S.E.	P	RR	95%CIl	95%CIu
Constant	0.0843	0.0360	+	1.0880	1.0139	1.1675

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