APPENDIX A

Summary of each study and its main results

On the following pages a summary of each study and its main results are presented. There are 54 studies:

ASIA (9 studies)

China: HU, FU

Hong Kong: CHAN

India: NOTANI, JUSSAW

Japan: HIRAYA, WAKAI

Korea: CHOI

Singapore: MACLEN

SOUTH AND CENTRAL AMERICA (6 studies)

Argentina: MATOS, PEZZOT

Brazil: SUZUKI

Cuba: JOLY

Uruguay: DESTEF1, DESTEF2

USA - SINGLE STATE (10 studies)

California: SIDNEY, CARPEN

Louisiana: CORREA

New Jersey: WILCOX

New Mexico: PATHAK

New York: BROSS, WYNDER

Pennsylvania: KHUDER, WEINBE

Texas: BUFFLE

<u>USA - NATIONWIDE OR MULTICENTRE (7 studies)</u>

AHF1, AHF2, KAUFMA, MRFIT, CPSI, CPSII, SPEIZE

EUROPE - NOT UK (12 studies)

Multicountry: LUBIN

Denmark: LANGE

Finland: PERNU

France: BENHAM

Italy: BERRIN

Austria: VUTUC

Germany: JOCKEL, KNOTH

Norway: ENGELA

Poland: ZEMLA

Spain: AGUDO, ARMADA

EUROPE - UK (10 studies)

ALDERS, BENSHL, DEAN, DEAN2, DOLL1, HAWTHO, GILLIS, MIGRAN, RIMING, TANG

STUDY REF: HU

NAME:	Heilo	ngjiang	case-contro	ol study					
DESIGN	I: CC								
LOCAT	ION: Asia:	China:	Heilongjia	ang Province (5 ho	spitals)				
PERIOD): 1985-	87							
ON	AGE RAN	NGE: No restriction							
JLAT)	RACE:		No res	triction					
POPULATION	OTHER D	ETAILS	5: -						
CASES	NUMBER: 161 men, 66 women								
CAS	HISTOLO	GICAL	CONFIRM	MATION: 100%					
	PROXY IN	NTERVI	EWS:	-	No				
	OTHER D	ETAILS	s: -						
LS	NUMBER: 161 men, 66 women								
[RO]	TYPE:		Patien	ts with non-neopla	stic and nor	n-lung dise	ase		
CONTROLS	MATCHIN	IG FAC	CTORS:	Sex, Age (5 year	s), Area of	residence			
Ö	PROXY IN	NTERVI	EWS:	No					
	OTHER D	ETAILS	5: 60.4%	general surgery, 1	7.6% urolo	gical diseas	ses,		
			22.0%	orthopaedic disea	ses and trau	ma			
ASPECT	S OF CIG T	ГҮРЕ:	Factory-	made, Hand-made	, Mixed				
DATA E	BY HISTOLO	OGICAI	L TYPE:	No					
CONFO	UNDING V.	ARIAB	LES:	None					
OTHER	COMMENT	ΓS:	Controls	s may include some	e smoking-a	ssociated o	liseases		
REFERE	ENCES:		Hu <u>et al</u>	(1997)					
RESULT	ΓS		Males			Female	s		
		Cases	Controls	RR(CI)	Cases	Controls	RR(CI)		
Factory-n	nade(base)	57	51	1.00	7	9	1.00		
Hand-mad	de	43	31	1.24(0.68-2.25)	14	7	2.57(0.67-9.83)		
Mixed		18	12	1.34(0.59-3.05)	4	1	5.14(0.47-56.9)		
Ever hand	l-made	61	43	1.27(0.74-2.19)	18	8	2.89(0.79-1.05)		
Source : 7	Γable II	Result	s recalculat	ed to base = factory-	made cigaret	tes			

STUDY REF: FU

NAME:	Harbin case-co	ontrol study								
DESIGN:	CC									
LOCATION	N: Asia : China: I	Harbin (3 districts)								
PERIOD:	1977-79									
Z A	AGE RANGE: No restriction									
CASES POPULATION H	RACE: No restriction									
POPU	OTHER DETAILS: -									
N N	NUMBER: 523									
CAS H	HISTOLOGICAL CONFIRMATION: Validation by X-ray or pathology									
PI	ROXY INTERVIE	WS: 100%								
O	THER DETAILS:	-								
N CS										
CONTROLS W	TYPE: Non-respiratory deaths									
NO M	ATCHING FACT	ORS: Sex, Ag	e, District of	residence						
_	ROXY INTERVIE	WS: 100%								
O	OTHER DETAILS: -									
ASPECTS (OF CIG TYPE:	Factory-made, Ha	nd-made							
DATA BY	HISTOLOGICAL '	ГҮРЕ: No								
CONFOUN	DING VARIABLI	ES: Non	ie							
OTHER CC	OMMENTS:	Results only prese	nted for sexes	s combined						
		Controls may include	ude some smo	oking-assoc	iated diseases					
REFERENC	CES:	Fu and Gou (1984)							
RESULTS	Factory-	made (base)		Hand-made						
	Cases	Controls	Cases	Controls	RR(CI)					
Nangang dist	rict 66	56	31	20	1.32 (0.68-2.56)					
Daoli district	84	64	22	24	0.70 (0.36-1.36)					
Daowai distri		72	30	16	2.01 (1.01-4.03)					
Combined (a	djusted 217	192	83	60	1.22 (0.83-1.78)					
for district)										
Source : Tabl	le VII									

STUDY REF: CHAN

NAME:	Hong Kong case-control study								
DESIGN	: CC								
LOCATI	ON: Asia: Hong Kong (5 hospitals)								
PERIOD	: 1976-77								
ION	AGE RANGE: No restriction								
POPULATION	RACE: No restriction								
POP	OTHER DETAILS: -								
	NUMBER: 208 men, 189 women								
CASES	HISTOLOGICAL CONFIRMATION: 215/397 (54%	(b)							
	PROXY INTERVIEWS: No								
	OTHER DETAILS: Only about half of available p	atients interviewed, due							
	to illness or treatment in other hospitals								
LS	NUMBER: 204 men, 189 women								
CONTROLS	TYPE: Orthopaedic								
ON	MATCHING FACTORS: Hospital, Broad age g	roup							
С	PROXY INTERVIEWS: No								
	OTHER DETAILS: Controls were younger than ca	ases, especially in males							
ASPECT	S OF CIG TYPE: Manufactured, hand-rolled								
DATA B	Y HISTOLOGICAL TYPE: No								
CONFO	UNDING VARIABLES: None								
OTHER	COMMENTS: Data also available by amount s	moked, but							
	does not allow RRs to be calcula	ated adjusted for this							
REFERE	NCES: Chan et al (1979)								
RESULT	rs								
	Males Cases Controls RR(CI)	Females Cases Controls RR(CI)							
Man. only HR only Mixed	(base) 167 138 1.00 2 1 1.65(0.15-18.4) 37 22 1.39(0.78-2.47)	42 12 1.00 17 12 0.41(0.15-1.08) 46 26 0.51(0.23-1.13)							
Any HR Source : T:	39 23 1.40(0.80-2.46) able IV, taking "manufactured cigarettes only" as any manufactured.	63 38 0.47(0.22-1.01) "tobacco as handrolled" as any hand							
	"both manufactured and handrolled cigarettes" as manufactured or h	•							

STUDY REF: NOTANI

NAME:	Bombay	Tata Memo	rial Case	-Control	Study					
DESIGN	I: CC									
LOCAT	ION: Asia : In	dia : Bomba	ıy (Tata l	Memoria	l Hospital	l)				
PERIOD): 1963-71									
ION	AGE RANGE: 30+									
ULAT	RACE:	No restrict	ion							
CASES POPULATION	OTHER DETA	AILS: -								
ES	NUMBER: 683 Men									
CAS	HISTOLOGICAL CONFIRMATION: 288/683 (42%) hist. or cyt. confirmed									
	PROXY INTE	RVIEWS:			No					
	OTHER DETA	AILS: -								
ST	NUMBER: 1279 men									
CONTROLS	TYPE:	Non cance	r (exclud	ing TB, l	ung absce	ess, ii	ıflamı	mation)		
ON	MATCHING	FACTORS:	Ag	e, Comm	unity					
	PROXY INTE	RVIEWS:	No							
	OTHER DETA	AILS: -								
ASPECT	S OF CIG TYP	E: Ciga	rettes, bi	dis						
DATA E	BY HISTOLOGI	CAL TYPE		(but only ot usable)	•	in K	reybei	g II and	no control data	
CONFO	UNDING VARI	ABLES:		No						
OTHER	COMMENTS: S	Some results	come fr	om 1974	paper, wł	nich i	nvolv	es		
		520	cases and	d 520 ind	ividually-	-matc	hed co	ontrols		
REFERE	ENCES:	Nota	ni and S	anghvi (1	974), No	tani <u>e</u>	<u>et al</u> (1	977)		
RESULT		Cigarettes only			Bidis on	ly				
	(ontrols		Cases	Cont	rols	RR (CI)		
<10/day 10-19/day			·2 ·7		79 117	147 171		3.76 (1.5 1.15 (0.6		
20+		44	0		238	203		1.07 (0.6	67-1.70)	
	isted for amount) otani <u>et al</u> (1977) Ta	78 12 able II	9		434	521		1.38 (1.0	01-1.88)	
		Cigarettes on (base)	ly Bidis	only			Mixed	l		
Notani and	l Sanghvi (1974)	Cases Contr 56 58	ols Cases 327	Controls 227	RR (CI) 1.49(1.00-	2.24)		Controls 33	RR (CI) 0.94(0.51-1.74)	
Notani et a		78 129	435	521	1.38(1.01-			85	0.70(0.43-1.13)	
200.00.1										

STUDY REF: JUSSAW

NAME:	Greater I	Bomba	y Case-C	Control	Study				
DESIGN	I: CC		•						
LOCAT	ION: Asia : In	dia : Bo	ombay						
PERIOD									
NO	AGE RANGE:		No	restrict	tion				
POPULATION	RACE:		No	restrict	tion				
POPU	OTHER DETA	AILS:	-						
ES	NUMBER:		792	men					
CASES	HISTOLOGIC	AL CO	NFIRM	[ATIO]	N: 41%	based on hist	ology	or cytolo	ogy
	PROXY INTE	RVIEV	VS: No						
	OTHER DETA	AILS:				Greater Bomba for 42.6% of	•	er Regi	stry - smoking
ά	NUMBER:			Men					
CONTROLS	TYPE:		Vot	ers list	of Great	er Bombay Co	orporat	ion	
LNO	MATCHING	FACTO	ORS:	Age	, Commı	ınity			
Ö	PROXY INTE	RVIEV	VS:	No					
	OTHER DETA	AILS:		-					
ASPECT	TS OF CIG TYP	E:		Cigar	ettes, bid	is			
DATA E	BY HISTOLOGI	CAL T	YPE:	Not p	resented	with control d	lata		
CONFO	UNDING VARI	ABLE	S:	Relig	ion, amo	unt, duration s	separat	ely	
OTHER	COMMENTS:			-					
REFERI	ENCES:			Jussa	walla and	l Jain (1979)			
RESULT	ΓS		ttes only		Bidis onl	y	1	Mixed	
		(base) Cases	Controls	Cases	Controls	RR(CI)	Cases	Controls	RR(CI)
Total Hindus Muslims Christians Others Total (adj 1-9/day 10-19/day 20+/day Total (adj <20 years 20-29 year 30+ years Total (cig	amount)	126 57 36 26 7 126 17 37 72 126 50 38 38 126	77 28 17 30 2 77 17 48 12 77 39 23 15 77	451 297 92 38 24 451 100 142 209 451 146 158 147 451	85 52 22 7 4 85 20 52 13 85 52 19 14 85	3.24(2.25-4.68) 2.81(1.64-4.81) 1.97(0.94-4.14) 6.26(2.39-16.4) 1.71(0.26-11.4) 2.84(1.93-4.20) 5.00(2.19-11.4) 3.54(2.08-6.04) 2.68(1.17-6.14) 3.60(2.43-5.34) 2.19(1.30-3.70) 5.03(2.49-10.2) 4.14(1.84-9.33) 3.17(2.18-4.61)	66 32 23 9 2 66	6 2 2 2) 0) 6 Source Table Table Table	IV religion VI amount

STUDY REF: HIRAYA

NAME:	Japanese 29 Health Center Study
DESIGN	: Prospective
LOCAT	ION: Asia : Japan
PERIOD	2: 1965/66 followed up to 1981
ION	AGE RANGE: 40+ at baseline
POPULATION	RACE: No restriction
POPU	OTHER DETAILS: -
ES	NUMBER: 1454 men, 463 women
CASES	HISTOLOGICAL CONFIRMATION: No - Death Certificates
	PROXY INTERVIEWS: NA
	OTHER DETAILS: -
OP.	NUMBER: 122261 men and 142857 women at baseline
BASELINE POP.	TYPE: NA
ELIN	MATCHING FACTORS: NA
ASE	PROXY INTERVIEWS: No
<u> </u>	OTHER DETAILS: -
ASPECT	S OF CIG TYPE: Filter/plain
DATA E	BY HISTOLOGICAL TYPE: No
CONFO	UNDING VARIABLES: Not stated
	COMMENTS: Questionnaire included question on filter use, but the reference below is one of Hirayama's many papers which cites any results!
REFERI	ENCES: Hirayama <u>et al</u> (1984)
RESULT	In the text on p 178 it is stated that "the lung cancer-standardized mortality rate was observed to be 48.9% lower in smokers of filtertip cigarettes compared to smokers of nonfiltertip cigarettes, according to our cohort study" but no other details were given

STUDY REF: WAKAI

NAME:	Okinawa cas	se-control study								
DESIGN:	CC									
LOCATIO	LOCATION: Asia : Japan : Okinawa (National Okinawa Hospital)									
PERIOD:	1988-91									
NOI	AGE RANGE: 40-89									
JLAT	RACE: No restriction									
CASES POPULATION	OTHER DETAILS: Residents of 3 main Okinawan islands									
ES ES	NUMBER: 245 men and 88 women									
CAS	HISTOLOGICAL CONFIRMATION: 100%									
I	PROXY INTERV	IEWS: No								
(OTHER DETAILS	S: -								
r FS	NUMBER: 490 men and 176 women									
CONTROLS	TYPE: Ge	eneral population - using el	ectoral registers							
	MATCHING FAC	CTORS: Sex, Age, Resid	ence (2:1)							
	PROXY INTERVIEWS: No									
(OTHER DETAILS	S: -								
ASPECTS	S OF CIG TYPE:	Filter/no filter Okinawa/	Non-Okinawa brand (Only for men)							
DATA BY	Y HISTOLOGICA	L TYPE: Yes								
	NDING VARIAB umber/day. Also fil	LES: Age, age at starting lter/no filter and years sinc	g smoking, fraction smoked per cigarette, e quit for brand analyses							
OTHER C	COMMENTS:	Okinawa brands 17 mg ta	r; non-Okinawa 9 mg tar							
REFEREN	NCES:	Wakai <u>et al</u> (1997)								
RESULTS	S	Filter/plain RR (CI)	Okinawa/Non-Okinawa brand RR (CI)							
Men All cell typ	pes	1.02(0.31-3.33)	1.45(1.02-2.07)							
	cell carcinoma	0.45(0.14-1.52) 4 (Not significant)	1.75(1.10-2.78) 1.35(0.83-2.17)							
	Jiiloilia	,	,							
Sources:		Table 4	Table 5							
(NB. Only	5 lung cancer cas	es in smokers of non-filter	cigarettes)							

STUDY REF: CHOI

NAME:	Korea ca	nse-contr	ol study							
DESIGN	I: CC									
LOCAT	ION: Asia : K	orea (Ko	rea Cancer	Centre Hospital)						
PERIOD): 1985	5-1988								
ION	AGE RANGE: No restriction									
JLAT	RACE: No restriction									
POPULATION	OTHER DETAIL	LS: -								
ES	NUMBER: 280 men and 95 women									
CASES	HISTOLOGICAL CONFIRMATION: Cytology or histopathology									
	PROXY INTERV	/IEWS:	No							
	OTHER DETAIL	LS:	-							
FS	NUMBER: 560 men and 190 women									
ГRО	TYPE: Patients e	excluding	g cancer or	other diseases rela	ated to s	moking				
CONTROLS	MATCHING FA	CTORS	: Age, Se	x, Date of Attend	ing Hos	pital, Area	1			
	PROXY INTERV	/IEWS:	No							
	OTHER DETAIL	LS:	-							
ASPECT	TS OF CIG TYPE:		Filter/mix	ed/nonfilter						
DATA E	BY HISTOLOGICA	AL TYPI	E: No							
CONFO	UNDING VARIAI	BLES:	No							
OTHER	COMMENTS:	It is sta	ated that RR	Rs in Table 3, whi	ch were	sex-speci	fic and were			
relative t	o nonsmokers, wer	e adjuste	ed for sex a	nd duration of sm	oking b	ut this mal	kes no sense			
REFERE	ENCES:	Choi <u>e</u>	<u>t al</u> (1989)							
RESULT	ΓS									
		Cases	Males Controls	RR(CI)	Cases	Females Controls	RR(CI)			
Filter only	y plain only (base)	13 211 43 224 43 27 num	2 360 103 362 103 bers of cases	1.00 0.09(0.02-0.40) 0.06(0.01-0.30) 1.00 0.68(0.46-1.00) and controls	1 13 5 14 5	0 15 11 15 11	1.00 0.00(NS) 0.00(NS) 1.00 0.49(0.14-1.76)			

STUDY REF: MACLEN

NAME:	Singapo	ore case-conti	ol study							
DESIGN	N: CC									
LOCAT	LOCATION: Asia : Singapore (3 hospitals)									
PERIOD	D: 1972-1	973								
ION	AGE RANGE: No restriction									
CASES POPULATION	RACE:	RACE: No restriction								
POPU	OTHER DETA	AILS: -								
ES	NUMBER:	NUMBER: 147 men and 86 women								
CAS	HISTOLOGIC	CAL CONFIR	MATION: Not requ	uired						
	PROXY INTE	RVIEWS:	No							
	OTHER DETA	AILS:	-							
LS	NUMBER:	134 men a	nd 166 women							
IRO	TYPE: Patients excluding those with smoking related diseases									
CONTROLS	MATCHING FACTORS: Sex, Age, Dialect, Ward (men 1:1, women 2:1)									
	PROXY INTERVIEWS: No									
	OTHER DETAILS: -									
ASPECT	ASPECTS OF CIG TYPE: Manufactured/hand rolled									
DATA E	BY HISTOLOG	ICAL TYPE:	No							
CONFO	UNDING VAR	IABLES:	No							
OTHER	COMMENTS:		mbers and hand rolle		smoked, but based on ad groups overlap, so					
REFERE	ENCES:		Maclennan <u>et al</u> (197	77)						
RESULT	ΓS									
		Manuf only (base)	Ever hand rolled	Mixed manuf/ hr	Hand rolled only					
Men	RR/CI (Cases/controls)	1.00 (90/88)	1.64(0.96-2.79) (52/31)	0.98(0.27-3.50) (5/5)	1.77(1.01-3.10) (47/26)					
Women Ca	antonese RR/CI (Cases/controls)	1.00 (9/23)	2.04(0.69-6.03) (12/15)	0.93(0.23-3.69) (4/11)	5.11(1.23-21.3) (8/4)					
					Continued					

STUDY REF: MACLEN (Continued)

		Manuf only (base)	Ever hand rolled	Mixed manuf/ hr	Hand rolled only
Women No	on-Cantonese				
	RR/CI	1.00	0.15(0.04-0.59)	0.13(0.02-6.30)	0.20(0.04-1.10)
	(Cases/controls)	(18/16)	(6/13)	(3/8)	(3/5)
Women To	otal				
	RR/CI	1.00	0.69(0.31-1.52)	1.31(0.47-3.66)	0.40(0.14-1.09)
	(Cases/contols)	(27/29)	(18/28)	(7/19)	(11/9)

STUDY REF: MATOS

NAME:	Buenos Aires	case-control	study						
DESIGN	I: CC								
LOCAT	ION: S. America : A	Argentina : F	Buenos Aires (4 hos	spitals)					
PERIOD): 1994-96								
NOI	AGE RANGE: No restriction								
POPULATION	RACE:	No resti	riction						
POPU	OTHER DETAILS	: -							
Ξ	NUMBER:	200 mei	1						
CASES	HISTOLOGICAL	CONFIRMA	ATION: 94	1.5%					
	PROXY INTERVI	EWS:	No						
	OTHER DETAILS	:	-						
LS J	NUMBER:		397 men						
CONTROLS	TYPE:		Hospitalized for co	onditions unrelated t	o tobacco				
NO	MATCHING FACTORS: Age, hospital (2 : 1)								
	PROXY INTERVIEWS: No								
	OTHER DETAILS	:	-						
ASPECT	S OF CIG TYPE:	В	lack/blond tobacco	Filter/plain					
DATA E	BY HISTOLOGICAI	L TYPE: Y	es						
CONFO	UNDING VARIABI	LES: N	latching factors and	d number/day					
OTHER	COMMENTS:	Black/blo	nd calculated from	blond/black. Result	ts also presented				
		for mainly	y black, mainly blo	nd. F/P calculated f	rom P/F.				
REFERE	ENCES:	Matos et a	<u>al</u> (1998)						
RESULT	ΓS	Blond only (base)	Ever black	Mixed black/ blond	Black only				
- ex	l arrent smokers smokers able 3 re-estimated to be	1.00 1.00 1.00 ase blond only	1.31(0.85-2.02) 1.29(0.76-2.19) 1.76(0.96-3.25)	1.33(0.84-2.11) 1.32(0.73-2.38) 1.82(0.92-3.59)	1.25(0.71-2.50) 1.25(0.56-2.50) 1.67(0.67-3.33)				
- ad	uamous carcinoma lenocarcinoma able 5 re-estimated to ba	1.00 1.00 ase blond only	2.67(1.35-5.30) 1.63(0.93-2.86)	2.76(1.32-5.76) 1.71(0.94-3.12)	2.50(0.83-5.00) 1.43(0.67-3.33)				
					Continued				

STUDY REF: MATOS (Continued)

	Mainly plain (base)	Mainly filter	
Male - all	1.00	1.25(0.67-2.50)	
- current smokers	1.00	0.37(0.11-1.11)	
- ex-smokers	1.00	3.33(1.25-10.00)	
Source : Table 3			
- only black	1.00	1.67(0.36-10.00)	
- only blond	1.00	1.67(0.71-5.00)	
Source : Table 4			
- squamous carcinoma	1.00	0.71(0.27-1.67)	
- adenocarcinoma	1.00	1.43(0.63-3.33)	
Source : Table 5			

STUDY REF: PEZZOT

NAME: Rosario case-control study							
DESIGN	DESIGN: CC						
LOCAT	LOCATION: S. America: Argentina: Rosario (2 hospitals)						
PERIOD	PERIOD: 1987-91						
ION	AGE RANGE: No restriction						
JLAT	RACE: No restriction						
POPULATION	OTHER DETAILS: -						
	NUMBER: 215 men						
CASES	HISTOLOGICAL CONFIRMATION: 100%						
	PROXY INTERVIEWS: No						
	OTHER DETAILS: -						
LS	NUMBER: 433 men						
CONTROLS	TYPE: Patients with non-smoking related disease						
ON	MATCHING FACTORS: Age, hospital						
)	PROXY INTERVIEWS: No						
	OTHER DETAILS: -						
ASPECT	S OF CIG TYPE: Black/blond tobacco Filter/plain						
DATA E	SY HISTOLOGICAL TYPE: Yes						
CONFO	CONFOUNDING VARIABLES: Age, hospital admission, intensity, years of smoking (data also available adjusted for age and hospital admission only)						
OTHER COMMENTS: -							
REFERE	REFERENCES: Pezzotto <u>et al</u> (1993)						
RESULTS Ever Black/Blond only RR (CI) Never plain/ever plain RR (CI)							
Squamous cell 1.3 (0.73-2.31) 0.20 (0.11-0.37)							
Adenoca Small ce							
All types							
Source : Table 7 Width of CI estimated from unadjusted data							

STUDY REF: SUZUKI

NAME: Rio de Janeiro case-control study						
DESIGN: CC						
LOCAT	LOCATION: S. America: Brazil: Rio de Janeiro (2 hospitals)					
PERIOD	PERIOD: 1991-92					
ION	AGE RANGE: No restriction					
POPULATION	RACE: No restriction					
POP	OTHER DETAILS: -					
ES	NUMBER: 99 men, 24 women					
CASES	HISTOLOGICAL CONFIRMATION: 100%					
	PROXY INTERVIEWS: No					
	OTHER DETAILS: -					
LS	NUMBER: 99 men, 24 women					
IRO	TYPE: Patients excluding cancer and respiratory diseases					
CONTROLS	MATCHING FACTORS: Age, sex, race					
	PROXY INTERVIEWS: No					
	OTHER DETAILS: -					
ASPECT	ΓS OF CIG TYPE: Cigarette/Black tobacco					
DATA E	BY HISTOLOGICAL TYPE: No					
CONFO	UNDING VARIABLES: Age, sex, race and pack-years					
OTHER	COMMENTS: Black tobacco is hand rolled					
REFERENCES: Suzuki <u>et al</u> (1994)						
RESULTS						
Black tobacco and cigarettes versus cigarette only						
	RR (95% CI)					
	d for age, sex, race 3.7 (1.6-8.6) d also for pack-years 2.8 (1.0-7.7)					
	Source : Table 6					
Source : Table 0						

STUDY REF: JOLY

NAME: Havana case-control study						
DESIGN: CC						
LOCAT	LOCATION: C. America: Cuba: Havana (12 hospitals)					
PERIOD	PERIOD: 1978-80					
NOI	AGE RANGE:	No restric	etion			
JLAT	RACE:	No restric	etion			
CASES POPULATION	OTHER DETAIL	LS: -				
ES	NUMBER:		826 (607 m	en and 219	women)	
CAS	HISTOLOGICA	L CONFIRMA	ΓΙΟΝ: Cytology o	r histology		
	PROXY INTER	VIEWS:	No			
	OTHER DETAIL	LS:	-			
Γ S	NUMBER:	979 hosp	ital + 539 neighbor	urhood		
CONTROLS	TYPE:		patients with dise urhood : on same b			
CO	MATCHING FA		Iospital : sex, age, Ieighbourhood : se			
	PROXY INTER	VIEWS: N	lo			
	OTHER DETAILS: -					
ASPECT	ASPECTS OF CIG TYPE: Dark/light tobacco (lifetime tar)					
DATA E	BY HISTOLOGIC.	AL TYPE: No				
CONFO	CONFOUNDING VARIABLES: None					
OTHER COMMENTS: tar only analyzed as lifetime exposure in 3 groups adjusted for either years or daily exposure but not both; also no CI ^ not used						
REFERE	ENCES: Joly	y <u>et al</u> (1983)				
RESULT	RESULTS					
Mixed Dark only Any dark	Males Females Cases Controls RR (CI) Cases Controls RR (CI) Light tobacco only (base) 10 16 1.00 16 19 1.00 Mixed 13 19 1.09 (0.38-3.16) 16 18 1.06(0.41-2.72) Dark only 529 674 1.26 (0.57-2.79) 133 84 1.88 (0.92-3.86)					

STUDY REF: DESTEF 1

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STUDY REF: DESTEF 1 (Continued)

	Blond only	Ever black	
Squamous	1.00	2.75(1.46-5.18)	
Small cell	1.00	2.03(0.67-6.08)	
Adenocarcinoma	1.00	1.75(0.76-4.07)	
Other types	1.00	2.73(0.82-9.12)	
All types (with histology)	1.00	2.12(1.29-3.46)	
Source: Table 6 of 1992 paper			

STUDY REF: DESTEF 2

NAME: Second Montevideo case-control study						
DESIGN: CC						
LOCAT	LOCATION: S. America: Uruguay: Montevideo (5-7 hospitals)					
PERIOD: 1993-96						
ION	AGE RANGE: 30-84					
CASES POPULATION	RACE: No restriction					
POPU	OTHER DETAILS: -					
ES	NUMBER: 427 men					
CAS	HISTOLOGICAL CONFIRMATION: 363/427 (85.0%)					
	PROXY INTERVIEWS: No					
	OTHER DETAILS: -					
Γ S	NUMBER: 428 men					
IRO	TYPE: Patients with conditions unrelated to smoking					
CONTROLS	MATCHING FACTORS: Age, residence					
С	PROXY INTERVIEWS: No					
	OTHER DETAILS: -					
ASPECT	ASPECTS OF CIG TYPE: Black/blond, manufactured/hand rolled, plain/filter					
DATA E	SY HISTOLOGICAL TYPE: Yes					
CONFO	CONFOUNDING VARIABLES: Age, sex, residence, urban/rural status, education, family history of lung cancer, body mass index					
OTHER COMMENTS: Table 4 of 1996b paper major source, based on 320 cases and 320 controls. Table 8 of 1996c paper also used.						
REFERENCES: De Stefani <u>et al</u> (1996b, 1996c)						
RESULTS RR (CI) RR (CI) RR (CI) Blond (base) 1.00 Manuf. (base) 1.00 Plain (base) 1.00 Plain (base) 1.00 Source : Table 4 of 1996b paper, re- estimated to base shown.						
	All cell types Squamous cell carcinoma Adenocarcinoma 1.00 1.00 1.00 $1.78 (1.15-2.76)$ $1.77 (0.96-3.26)$ $1.20 (0.54-2.63)$ subjects never exposed to asbestos) Table 8 of 1996c paper, re-estimated to base = blond.					

STUDY REF: SIDNEY

NAME: Kaiser Permanente Prospective Study					
DESIGN	DESIGN: P				
LOCATION: USA: California: San Francisco and Oakland					
PERIOD: 1979-85 followed up until 1991					
NO	AGE RANGE: 30-89				
POPULATION	RACE: No res	striction			
	OTHER DETAILS: Kaiser Permanante Medical Care Program members attending for multiphasic check-up				
ES	NUMBER:	318			
CASES	HISTOLOGICAL CONFIRMA	ATION: Not required			
	PROXY INTERVIEWS:	No			
	OTHER DETAILS:	Self-administer	red questionnaire		
P.	NUMBER:	34975 men, 44971 won	nen		
BASELINE POP	TYPE:	NA			
, INE	MATCHING FACTORS: NA				
SEI	PROXY INTERVIEWS: No				
BA	OTHER DETAILS: -				
ASPECT	S OF CIG TYPE: Filter/pl	ain, Tar level, Menthol/i	non-menthol		
DATA E	BY HISTOLOGICAL TYPE:	No			
CONFO	UNDING VARIABLES:	Age, race, education, yea	rs of smoking, cigs/day		
OTHER	COMMENTS: Numbers of case shorter. Current	es stated and follow-up per smokers of 20+ cigarette	A A :		
REFERE	ENCES: Petitti and Fried	man (1985), Sidney <u>et al</u>	(1993), Sidney <u>et al</u> (1995)		
RESULT	TS .				
Duration use (year	of filter - none (base) - 1-9 - 10-19 - \ge 20 - any	Men 1.0 0.72 (0.30-1.76) 0.93 (0.50-1.75) 1.04 (0.58-1.87) 1.03 (0.61-1.75)	Women 1.0 1.08 (0.45-2.59) 0.70 (0.33-1.49) 0.36 (0.18-0.75) 0.65 (0.32-1.31)		
Source:	Sidney et al (1993) Tables 3 and	14.			
Per mg t Source :	ar Sidney <u>et al</u> (1993) Table 3	1.02 (0.98-1.05)	0.99 (0.96-1.03)		
	Continued				

STUDY REF: SIDNEY (Continued)

Duration of mentho	1 - none (base)	1.0	1.0
use (years)	- 1-9	1.10 (0.65-1.87)	0.72 (0.38-1.39)
,	- 10-19	1.32 (0.84-2.08)	1.01 (0.61-1.69)
	$- \geq 20$	1.59 (0.96-2.63)	0.70 (0.40-1.23)
	- any	1.45 (1.03-2.02)	0.75 (0.51-1.11)
Source: Sidney et a	<u>ll</u> (1995) Tables 4 and	d 5	, , ,
		Men	Woman
	- > 18 (base)	1.00	1.00
Tar level	- / 10 (base)	1.00	
Tar level (mg/cig)	- 11-18	1.02(0.62-1.65)	1.39(0.71-2.70)

STUDY REF: CARPEN

NAME: Los Angeles case-control study						
DESIGN: CC						
LOCATION: USA: California: Los Angeles County						
PERIOD	PERIOD: 1990-1994					
NOI	AGE RANG	E: 40-84	!			
POPULATION	RACE:	African Amer	ricans and Cauca	sians (non Hispa	nic)	
	OTHER DET	ΓAILS:				
ES	NUMBER:	353				
CASES	HISTOLOGI	ICAL CONFIR	MATION: Not re	equired		
	PROXY INT	TERVIEWS:	No			
	OTHER DET	ΓAILS: -				
STO	NUMBER:	724				
TRC	TYPE:	Licensed driv	ers (age <65), M	edicare beneficia	aries (age >65)	
CONTROLS	MATCHING	G FACTORS:	Frequency ma	atched on age, se	x, race (2:1)	
	PROXY INT	TERVIEWS:	No			
	OTHER DETAILS: -					
ASPECT	S OF CIG TY	PE: Mentho	ol/Regular			
DATA B	BY HISTOLOG	GICAL TYPE:	No			
CONFO	CONFOUNDING VARIABLES: Matching factors, total pack-years, years since quitting					
OTHER	COMMENTS	l: -				
REFERE	REFERENCES: Carpenter et al (1999)					
RESULTS						
Pack-years of mentholated cigarettes 0(base) 1.00 1.00 1.00 mentholated cigarettes >0-15 0.87(0.57-1.37) 1.58(0.77-3.22) 16-31 1.21(0.56-2.62) 0.51(0.19-1.34) 32+ 1.48(0.71-3.05) 0.41(0.15-1.11) (trend p 0.25) (trend p 0.04)		1.00 1.58(0.77-3.22) 0.51(0.19-1.34)				
Males + Females Exclusive regular Exclusive menthol Mixed menthol/regular Source: Tables 2 and 4.						

STUDY REF: CORREA

NAME:	Louisiana case-control study				
DESIGN: CC					
LOCAT	ION: USA: Louisiana: 29 parishes mainly in South				
PERIOD	PERIOD: 1979-81				
NOI	AGE RANGE: No restriction				
POPULATION	RACE: No restriction				
POP	OTHER DETAILS: -				
ES	NUMBER: 1338				
CASES	HISTOLOGICAL CONFIRMATION: 97%				
	PROXY INTERVIEWS: 24%				
	OTHER DETAILS: -				
ILS	NUMBER: 1393				
IRO	TYPE: Not COPD, Ca Larynx, Oral, Oesophagus, Bladder				
CONTROLS	MATCHING FACTORS: Race, sex, age (5 years), hospital				
	PROXY INTERVIEWS: 11%				
	OTHER DETAILS: -				
ASPECT	ΓS OF CIG TYPE: Plain/Filter				
DATA E	BY HISTOLOGICAL TYPE: No				
CONFOUNDING VARIABLES: Age, sex (all cases), matching factors and packs/day (BAC cases)					
OTHER COMMENTS:					
REFERENCES: Correa et al (1984), Pickle et al (1984), Falk et al (1992)					
RESULTS All cases Filter/plain RR for sexes combined Source : Correa et al Table 4. 0.55 (CI not available but estimated roughly as 0.35-0.85)					
Bronchioalveolar carcinoma Plain only (base) Mixed 0.77 (0.22-2.69) Filter only 0.25 (0.02-2.87) Source: Falk et al (1992) Table 3, re-estimated to plain only as base.					

STUDY REF: WILCOX

NAME: New Jersey Case Control Study						
DESIGN: CC						
LOCATION: USA: New Jersey: 6 high mortality areas						
PERIOD	PERIOD: 1980-81					
NOI	AGE RANGE:	No restriction				
JLAT	RACE:	White				
CASES POPULATION	OTHER DETAILS:	-				
ES	NUMBER: 763 mer	1				
CAS	HISTOLOGICAL CO	NFIRMATION: 1009	V ₀			
	PROXY INTERVIEW	S: 43.8%				
	OTHER DETAILS:	From hospital record certificate files	s, cancer registry	files and death		
LS	NUMBER: 900 men	1				
CONTROLS	TYPE: A) Random sample of men with motor vehicle licences (for non-proxies) B) From state death certificate files (for proxies)					
COO	MATCHING FACTORS: Frequency matched on area, race, age (5 years) and on date of death/diagnosis for proxies					
	PROXY INTERVIEWS: 37.3%					
OTHER DETAILS: Death certificates indicating lung cancer or respiratory disease excluded						
ASPECT	TS OF CIG TYPE: T	ar level				
DATA E	BY HISTOLOGICAL TY	PE: No				
CONFO	UNDING VARIABLES	: Age, cigs/day,	duration, pack-y	rears		
OTHER COMMENTS: Restricted to smokers with complete brand histories smoking continuously 1973-1980						
REFERENCES: Wilcox et al (1988)						
RESULT	RESULTS Tar level 1973-1980					
	<14	.0 14.1-17.5	17.6-21.0	21.1-28.0 (base)		
Adj. inter Adj. dura Adj. inter Adj. pack	Unadjusted 0.53(0.29-0.97) 0.86(0.59-1.26) 1.04(0.66-1.64) 1.00 Adj. intensity 0.61(0.33-1.12) 1.01(0.68151) 1.16(0.72-1.86) 1.00 Adj. duration 0.58(0.32-1.07) 0.89(0.60-1.32) 1.05(0.65-1.67) 1.00 Adj. intensity + duration 0.61(0.32-1.13) 1.04(0.70-1.56) 1.21(0.75-1.96) 1.00 Adj. pack years 0.71(0.37-1.35) 1.06(0.71-1.59) 1.19(0.73-1.93) 1.00 Source : Table 2					
,						

STUDY REF: PATHAK

NAME:	New Mexico Case Con	atrol Study				
DESIGN: CC						
LOCAT	ION: USA: New Mexico: S	tatewide				
PERIOD): 1980-1982					
ION	AGE RANGE: 25-8-	4				
JLAT	RACE: White					
CASES POPULATION	OTHER DETAILS: -					
ES	NUMBER: 192 men and	277 women				
CAS	HISTOLOGICAL CONFIR	MATION: 96.4% histo	ology, cytology or autopsy			
	PROXY INTERVIEWS:	47%				
	OTHER DETAILS: Not a	alveolar carcinoma				
LS	NUMBER: 338 men and	426 women				
CONTROLS		phone numbers (aged < ticipants (aged >65)	65)			
00	MATCHING FACTORS:	Age, sex, race (frequency	uency matched) 1:5:1			
	PROXY INTERVIEWS: No					
OTHER DETAILS: -						
ASPECT	TS OF CIG TYPE: Filter/J	plain (nonfilter includes	s hand rolled)			
DATA E	BY HISTOLOGICAL TYPE:	No				
CONFO	UNDING VARIABLES:	Age, sex, race, amour	nt, duration, amount x duration			
OTHER		ses limited to current cig spanics and non-Hispan	garette smokers. Results not presented ics together			
REFERI	REFERENCES: Pathak et al (1986), Samet et al (1984)					
RESULT	RESULTS By years used Non-Hispanics Hispanics					
Filter only 0.80 0.04(p<0.05) 67-99% filter 0.71 0.26(p<0.05) 34-66% filter 0.58 0.39 1-33% filter 0.83 0.56 Non filter only (base) 1.00 1.00 Source: Table 7						
(Risks noted to be higher for hand rolled than commercial non filter, but results combined as difference not significant; CI not presented)						

STUDY REF: BROSS

NAME:	Roswell Park	case cont	rol study					
DESIGN	I: CC							
LOCAT	ION: USA: New Yo	ork : Buf	falo (Roswel	l Park Mem	orial Institut	re)		
PERIOD	1960-1966							
NOI	AGE RANGE:	No re	estriction					
JLAT	RACE: White							
CASES POPULATION	OTHER DETAILS: -							
ES	NUMBER: 974	men						
CAS	HISTOLOGICAL	CONFIR	MATION: N	lot stated				
	PROXY INTERVI	EWS:	No					
	OTHER DETAILS	:	-					
FS	NUMBER: 974 men							
CONTROLS	TYPE: No diagnosis of neoplastic disease							
NOX	MATCHING FACTORS: Age (5 years), entry date (4 years), hospital							
	PROXY INTERVIEWS: No							
OTHER DETAILS: -								
ASPECT	S OF CIG TYPE:	Filter/p	olain (current	t brand)				
DATA E	BY HISTOLOGICAL	TYPE:	No					
CONFO	UNDING VARIABI	LES:	Years smol	ked, daily qu	antity			
OTHER	COMMENTS:	-						
REFERI	ENCES: Bross	(1968), I	Bross and Gi	bson (1968)				
RESULT	TS .	Plain (b	oase)		Filter			
Years sm	2 1 2	Case	Control	Case	Control	RR(CI)		
<30	1 pack or less	15	20	3	11 5	0.36(0.09-1.54)		
30-39	>1 pack 1 pack or less	6 30	12 21	2 11	3 16	0.80(0.12-5.40) 0.48(0.19-1.24)		
30 37	>1 pack	28	10	9	11	0.29(0.09-0.91)		
40-49	1 pack or less	46	43	15	15	0.94(0.41-2.14)		
50+	>1 pack	24 13	9 8	12 2	9 2	0.50(0.16-1.59)		
30+	<½ pack ½-1 pack	26	13	9	6	0.62(0.07-5.28) 0.75(0.22-2.56)		
	>1 pack	12	<u>2</u>	<u>2</u>	<u>1</u>	0.33(0.02-5.64)		
Total (un	adjusted)	200	138	65	$7\overline{6}$	0.59(0.40-0.88)		
	usted for daily quantity					0.57(0.39-0.85)		
	usted for years smoked		, quantital			0.59(0.39-0.89)		
	usted for years smoked Table 1 of either paper,					0.56(0.37-0.81)		
200100.	paper,	- LL WING C						

STUDY REF: WYNDER

NAME:	Sloan Ketterir	ng case-co	ontrol study						
DESIGN	: CC								
LOCATI	LOCATION: US: New York: New York City (Sloan-Kettering Cancer Centre)								
PERIOD	: 1966-69								
ION	AGE RANGE: No restriction								
CASES POPULATION	RACE: No restriction								
POP	OTHER DETAILS: -								
SES	NUMBER: 284 men and 66 women								
CAS	HISTOLOGICAL	CONFIRI	MATION: 10	00%					
	PROXY INTERVI	EWS:	No						
	OTHER DETAILS: Wynder (1972) also includes some patients from other hospitals in Los Angeles, Houston and New York for 1970-71. Wynder and Hoffmann (1972) includes additional cases but not controls								
Γ S	NUMBER: 420 men and 132 women								
ГRО	TYPE: Patients with diseases unrelated to smoking								
CONTROLS	MATCHING FACTORS: Sex, age, hospital								
O	PROXY INTERVIEWS: No								
	OTHER DETAILS: -								
ASPECT	S OF CIG TYPE:	Filter/p	lain (filter fo	or at least 10	years)				
DATA B	SY HISTOLOGICAI	L TYPE:	Results only	y given for K	reyberg I mal	es			
CONFO	UNDING VARIABI	LES:	Amount sm	oked					
OTHER	COMMENTS:			one cigarette 20 year 10 a c		years +. (10 year 20 a			
REFERE	ENCES: Wynd	ler <u>et al</u> (1	970), Wynde	er and Hoffm	nann (1972), V	Vynder (1972)			
RESULT	TS .	Nonfilter		Filter (10-	• /				
Total (a	lay lay	Cases 4 24 30 23 81 81	Controls 6 31 21 4 62 62	Cases 2 17 22 25 66 66	Controls 11 36 28 7 82 82	RR(CI) 0.27(0.04-1.95) 0.61(0.28-1.34) 0.55(0.25-1.21) 0.62(0.16-2.40) 0.62(0.39-0.98) 0.56(0.34-0.92)			
Total (a		40 67 107 107 972) Figure	37 25 62 62	22 61 83 83	47 35 82 82	0.43(0.22-0.85) 0.65(0.35-1.21) 0.59(0.38-0.91) 0.54(0.34-0.85)			

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STUDY REF: WYNDER (Continued)

	Nonfilter	(base)	Filter (10	+ years)	
	Cases	Controls	Cases	Controls	RR(CI)
1-9/day	5	10	2	16	0.25(0.04-1.54)
10-20/day	41	31	34	54	0.48(0.25-0.90)
21-40/day	47	32	36	39	0.63(0.33-1.19)
41+/day	33	7	28	14	0.42(0.15-1.20)
Total (unadjusted)	126	80	100	123	0.52(0.35-0.76)
Total (adjusted for amount)	126	80	100	123	0.51(0.34-0.76)

STUDY REF: KHUDER

NAME:	Philadelphia ca	se-control study	/				
DESIGN	I: CC						
LOCAT	ION: USA: Pennsyl	vania : Philadelj	phia (15 hospitals)				
PERIOD	PERIOD: 1985-1987						
NOI	AGE RANGE: 36+						
ILAT	RACE: No restriction						
POPULATION	OTHER DETAILS: Living in Philadelphia						
ES	NUMBER: 482 men						
CASES	HISTOLOGICAL CONFIRMATION: 100%						
	PROXY INTERVIEWS: No						
	OTHER DETAILS:	-					
LS	NUMBER: 1094 men						
TRO	TYPE: From population health survey						
CONTROLS	MATCHING FACTORS: Race (2:1 White, 3:1 Black), Age						
	PROXY INTERVIEWS: No						
	OTHER DETAILS:						
ASPECT	TS OF CIG TYPE:	Filter/plain					
DATA E	DATA BY HISTOLOGICAL TYPE: No						
CONFO	CONFOUNDING VARIABLES: None						
OTHER	COMMENTS:	-					
REFERE	ENCES:	Khuder <u>et al</u> (1998)					
RESULT	ΓS						
		Cases	Controls	OR (CI)			
Not smo Smoked	ked filter filter	284 173	334 440	1.00 0.46 (0.37-0.59)			
Source:	Table 2						

STUDY REF: WEINBE

NAME:	Alleghen	y County Stu	dy					
DESIGN	: Comparis	son of risk fa	ctors in high and low	risk areas				
LOCAT	LOCATION: US: Pennsylvania: Allegheny County (Lawrenceville/South Hills)							
PERIOD	PERIOD: 1978-79							
NOI	AGE RANGE	E: 35+						
POPULATION	RACE: White							
POPU	OTHER DETAILS: Interviews of random sample of males aged 35-64 in the two areas							
×	NUMBER: 378							
RIS	HISTOLOGIC	CAL CONFI	RMATION: NA					
HIGH RISK	PROXY INTE	ERVIEWS:	No					
H	OTHER DET.	AILS: Law	renceville - high risk	- 127.7 per 100,000				
×	NUMBER:	607						
LOW RISK	TYPE: NA							
MC	MATCHING FACTORS: NA							
Ä	PROXY INTERVIEWS: No							
	OTHER DET	THER DETAILS: South Hills - low risk - 59.0 per 100,000						
ASPECT	S OF CIG TYI	PE: Tar, f	ilter/plain					
DATA E	SY HISTOLOG	ICAL TYPE:	NA					
CONFO	UNDING VAR	IABLES:	Age					
	COMMENTS:		for current smokers or	nly				
REFERI	ENCES: V	Weinberg <u>et a</u>		<u>, </u>				
RESULT			= (->)					
	content (mg)		Lawrenceville 18.7	South Hills 16.8	p NS			
Lifetime tar (g) - all ages 7528.5 5289.3 < 0.00 - 45-54 7569.9 5540.1 < 0.00					< 0.001 < 0.01 < 0.001			
Filter sm	okers (%) -	35-44	86.9	89.6	NS			
		45-54	70.7	76.9	NS			
		55-64	59.2	76.9	NS			
		65+	63.3	73.9	NS			
		All ages	Not given	8.9 higher	< 0.05			
Source:	Text p49							

STUDY REF: BUFFLE

NAME:	Texas case-cont	rol study					
DESIGN	I: CC						
LOCAT	ION: US: Texas: six	coastal counties	(56 hospitals)				
PERIOD	1976-80						
NOI	AGE RANGE: 30-79						
POPULATION	RACE: White						
POPU	OTHER DETAILS: -						
ES	NUMBER:		475 men and 460 wome	en			
CASES	HISTOLOGICAL CO	ONFIRMATION	: 100%				
	PROXY INTERVIEV	WS:	84%				
	OTHER DETAILS:		-				
LS	NUMBER: 466 men and 482 women						
FRO	TYPE: Population-based and decedent controls from state and federal records						
CONTROLS	MATCHING FACTORS: Age, race, sex, region of residence, vital status at time of ascertainment						
	PROXY INTERVIEWS: 81%						
ASPECT	S OF CIG TYPE:	Filter/pla	ain, hand rolled (Ives on	ly)			
DATA E	BY HISTOLOGICAL T	ГҮРЕ: No					
CONFO	UNDING VARIABLE	S: None					
OTHER	COMMENTS:	Ives (198	84) considered only wom	nen in Harris County -			
		259 case	es and 278 controls				
REFERI	ENCES: Buffler	et al (1984), Buf	fler et al (1986), Ives (1	984)			
RESULT	ΓS						
	plain RR Buffler (1984) Table 6	Males 0.92	Females 1.17	(CIs not available)			
Filter Mixed		Cases 47 129 64 C Table 29	Controls 38 78 45	RR (CI) 1.00 1.34 (0.80-2.23) 1.15 (0.65-2.04) Continued			
				Continued			

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STUDY REF: BUFFLE (Continued)

	Cases	Controls	RR (CI)
Manufactured (base)	240	161	1.00
Hand rolled	32	9	2.39(1.11-5.13)

STUDY REF: AHF1

NAME:	American Health Foundation multicentre case-control stud	dy 1							
DESIGN	I: CC								
LOCAT	ION: US: New York, Miami, Birmingham, Houston, LA, New	Orleans							
PERIOD	1969-76								
NO	AGE RANGE: No restriction								
POPULATION	RACE: No restriction								
POP	OTHER DETAILS: -								
	NUMBER: 1051 men, 314 women								
CASES	HISTOLOGICAL CONFIRMATION: 100%								
	PROXY INTERVIEWS: No								
	OTHER DETAILS: -								
STO	NUMBER: 2519 men, 831 women								
CONTROLS	TYPE: Patients with no tobacco-related disease								
CON	MATCHING FACTORS: Age, sex, race, city (frequency matched)								
	PROXY INTERVIEWS: No								
	OTHER DETAILS: Matching to cases which also included cancer of larynx, oral cavity, oesophagus and bladder								
ASPECT	Never filter/switched last 10 years/switched (NF) (STF) (ed 10+ years ago LTF)							
DATA E	BY HISTOLOGICAL TYPE: Yes								
CONFO	UNDING VARIABLES: Age, duration, amount smoked								
OTHER	COMMENTS: -								
REFERI	ENCES: Wynder and Stellman (1977,1979), Mushinski an	d Stellman (1978)							
RESULT	TS Kreyberg I Kreyberg II	Combined							
Unadjuste Males -		RR(CI) 1.00							
-	STF 114 215 1.06(0.80-1.40) 51 215 1.29(0.87-1.92) LTF 164 414 0.79(0.62-1.01) 88 414 1.16(0.83-1.62)	2) 1.12(0.87-1.44)							
Females -	NF 21 30 1.00 13 30 1.00 STF 22 43 0.73(0.34-1.56) 22 43 1.18(0.52-2.72) LTF 62 157 0.56(0.30-1.06) 46 157 0.68(0.33-1.40)	1.00 1) 0.90(0.47-1.72)							
Source : W	Jynder and Stellman (1977) Tables 5 and 6	Continued							

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STUDY REF: AHF1 (Continued)

		NF (base)	LT	F	
Kreyberg 1	[Cases	Controls	Cases	Controls	RR(CI)
Males	1-10/day	13	65	11	68	0.81(0.34-1.93
	11-20/day	69	185	53	182	0.78(0.52-1.18
	21-30/day	44	71	31	61	0.82(0.46-1.45
	31-40/day	50	53	40	61	0.70(0.40-1.21
	41+/day	28	24	32	42	0.62(0.32-1.33
Total	(unadjusted)	204	398	167	414	0.80(0.62-1.01
	(adjusted for amount	nt) 204	398	167	414	0.75(0.59-0.97
Females	1-10/day	4	12	9	52	0.52(0.14-1.97
	11-20/day	8	11	22	70	0.43(0.15-1.21
	21-30/day	4	3	13	18	0.54(0.10-2.84
	31+/day	5	4	21	17	0.99(0.23-4.26
Total	(unadjusted)	21	30	65	157	0.59(0.32-1.11
	(adjusted for amoun	nt) 21	30	65	157	0.55(0.29-1.06
cases and	ushinski and Stellma I more controls.)	an (1978) Figure 1.	(Similar table in	n Wynder and St	ellman (1979) b	ut based on fewer
Kreyberg I						
Males		sted for duration an sted for age and qu		0.84(0.65-1.0 0.79(0.61-1.0	,	
Females	LTF/NFS adju	sted for duration and sted for age and que	nd quantity	0.78(0.40-1.4 0.73(0.38-1.3	9)	

STUDY REF: AHF2

NAME:	American Health Foundation multicentre case-control study 2						
DESIGN	J: CC						
LOCAT	ION: US: 45 hospitals						
PERIOD	D: 1977-95						
NO	AGE RANGE: No restriction						
POPULATION	RACE: No restriction						
POPU	OTHER DETAILS: -						
ES	NUMBER: Large : numbers vary in papers						
CASES	HISTOLOGICAL CONFIRMATION: 100%						
	PROXY INTERVIEWS: No						
	OTHER DETAILS: -						
LS	NUMBER: Large: numbers vary in papers						
CONTROLS	TYPE: Patients with no tobacco-related disease						
NO	MATCHING FACTORS: Age, sex, hospital, city, date of admission						
	PROXY INTERVIEWS: No						
	OTHER DETAILS: -						
ASPEC	ASPECTS OF CIG TYPE: Filter/plain, menthol, change in number smoked in switchers to filter. Tar results presented as lifetime cumulative tar and not used						
DATA I	DATA BY HISTOLOGICAL TYPE: Yes						
CONFO	UNDING VARIABLES: Varies - see below						
OTHER	COMMENTS: Many other papers than those cited, but tend to duplicate results. Numerous results, which tend to overlap each other.						
REFERI	REFERENCES: Augustine et al (1989), Kabat and Hebert (1991), Kabat (1996), Morabia and Wynder (1991), Stellman et al (1997), Wynder and Kabat (1988), Wynder and Muscat (1995).						
RESULT							
Males Females -	Education, cigs/day Lifetime nonfilter (base) Switched Lifetime filter Sq. cell 1.0 0.9(0.7-1.2) 0.8(0.5-1.2) 1.0(0.8-1.3) 1.0(0.7-1.5) Combined 1.0 0.96(0.77-1.19) 0.92(0.65-1.29) Sq. cell 1.0 0.6(0.3-1.0) 0.4(0.2-0.8) Adenocarc. 1.0 1.2(0.7-2.0) 0.97(0.60-1.56) 0.68(0.39-1.19) tellman et al (1997) Table 3						
	Continued						

STUDY REF: AHF2 (Continued)

Adj. age, education, cig	s/day, inhalation				
.jg., , . g	Nonfilter only (ba	se) Switchers	(1-9 years)	Switchers (10+ year	s) Filter only
Males - KI	1.0	0.8(0.6-1.2		0.7(0.5-0.9)	0.7(0.4-1.3)
- KII	1.0	1.0(0.6-1.5		0.8(0.5-1.2)	0.9(0.4-1.5)
- Combined	1.0	0.85(0.62-		0.72(0.54-0.95)	0.77(0.46-1.30)
Females - KI	1.0	1.0(0.5-2.0		0.7(0.4-1.4)	0.6(0.3-1.4)
- KII	1.0	1.0(in base		1.0(0.8-1.3)	1.0(0.6-1.5)
- Combined	1.0	1.0(in base		0.94(0.74-1.19)	0.87(0.56-1.33)
Source : Kabat (1996) 7	Table 2	`	,	,	,
Adj. age	Lifetime	Switchers	Switchers	Switchers	Lifetime
	nonfilter (base)	(1-9 years)	(10-20 years		filter
	(base)	(- >) ====)	((==) ()	
Males - Sq. cell	1.0	1.10(0.73-1.65)	0.97(0.70-1.	35) 0.93(0.61-1.4)	0.52(0.33-0.84)
- Adenocarc.	1.0	0.92(0.62-1.37)	1.10(0.79-1.		
- Combined	1.0	1.00(0.71-1.41)	1.03(0.78-1.		
Females - Sq. cell	1.0	0.71(0.34-1.48)	0.48(0.26-0.		
- Adenocarc.	1.0	1.26(0.69-2.30)	1.07(0.59-1.		
- Combined	1.0	1.01(0.55-1.85)	0.77(0.46-1.		
Source : Wynder and M					0.55(0.55 0.75)
Source: Wynder und W	145041 (1555) 14610	The estimated to in	ounce nomine	(8450)	
Adj. age, education, cig					
	filter only (base)	Switchers (1-9 ye		itchers (10+ years)	Filter only
Males - KI 1.00		0.83(0.59-1.17)		6(0.49-0.90)	0.69(0.37-1.27)
- KII 1.00		0.96(0.61-1.51)		9(0.53-1.18)	0.87(0.43-1.54)
Females - KI 1.00		0.99(0.49-2.03)		4(0.40-1.36)	0.64(0.30-1.35)
- KII 1.00		1.00(in base)	0.99	9(0.76-1.29)	0.96(0.62-1.47)
Source : Wynder and K	abat (1988) Tables	5 and 6			
		Average tar (amo	ong filter smok	cers) in mg	
Unadjusted		15+	10-		< 10
Males - Kreyberg I		1.00	1.20	6(0.90-1.78)	1.29(0.78-2.13)
- Kreyberg II		1.00		4(0.63-1.41)	1.33(0.71-2.48)
- Combined		1.00		3(0.87-1.47)	1.32(0.89-1.95)
Females - Kreyberg I		1.00		0(0.39-0.91)	0.77(0.44-1.34)
- Kreyberg II		1.00		7(0.56-1.34)	1.17(0.60-2.26)
- Combined		1.00		2(0.53-0.97)	0.93(0.61-1.42)
Source : Wynder and K	abat (1988) Figures				,
		Never menthol	Ме	nthol 1-14 years	Menthol 15+ years
Males - all types		1.00		4(0.82-1.59)	0.98(0.70-1.38)
Females - all types		1.00		2(0.52-1.28)	0.76(0.53-1.16)
Both sexes - squamous	cell	1.00		7(0.78-1.78)	0.92(0.60-1.42)
- small cell	VVII	1.00		9(0.73-5.41)	0.84(0.27-2.61)
- adenocarc	inoma	1.00		8(0.68-1.42)	0.95(0.66-1.36)
Source : Kabat and Heb			0.90	J(V.UU-1.72)	0.75(0.00-1.50)
District of the state of the st		N. C. 1		F 1	
Risks in relation to char		Males		Females	
smoked after switching					
adj. nonfilter and filter					
nonfilter cigs/day and a	ge at switch	1.00		1.00	
No increase (base)	• /1	1.00	51)	1.00	
Increased by 1-10 c		1.19(0.93-1.		1.66(1.23-2.24)	
Increased by 11-20		1.75(1.33-2.		2.97(2.09-4.20)	
Increased by 21+ c		2.37(1.64-3.	41)	3.83(2.31-6.34)	
Source : Augustine et al	(1989) Table 4				

STUDY REF: KAUFMA

NAME:	US/Canada multicentre	e case-control	study	
DESIGN	i: CC			
LOCAT	ION: USA: Bostor Canada: Ontari		Philadelphia, Baltimore, Tu	cson
PERIOD	1981-1986			
NOI	AGE RANGE: 40-6	9		
POPULATION	RACE: No re	estriction		
	OTHER DETAILS: -			
ES	NUMBER:	88	81	
CASES	HISTOLOGICAL CONFIRM	MATION: N	ot stated	
	PROXY INTERVIEWS:	N	0	
	OTHER DETAILS:	N	o other cancer or history of	cancer
LS	NUMBER: 2570			
CONTROLS	TYPE: Patients with	diseases unre	elated to smoking and no his	story of cancer
NO	MATCHING FACTORS:	None		
	PROXY INTERVIEWS:	No		
	OTHER DETAILS:	-		
ASPECT	CS OF CIG TYPE:	Tar		
DATA E	BY HISTOLOGICAL TYPE:	No		
CONFO	UNDING VARIABLES:		nce, region, years of education number of cigs/day, age at st	
OTHER	COMMENTS:	-		
REFERE	ENCES: Kaufman <u>et al</u>	(1989)		
RESULT	TS			
		29+ (base)	Average tar content (mg) 22-28	< 22
	Brand identified for 75%+ of years of smoking	1.00	0.61(0.26-1.46)	0.32(0.14-0.75)
M+F I	Brand identified for 100% Table 3; re-estimated to 29+ m	1.00 ng tar base	0.63(0.16-2.44)	0.42(0.11-1.58)
y	Brand smoked at least 10 years before admission Table 4; re-estimated to 29+ m	1.00	0.75(0.36-1.56)	0.25(0.11-0.58)
				Continued

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STUDY REF: KAUFMA (Continued)

M	Brand smoked at least 10	1.00	0.90(0.36-2.23)	0.25(0.08-0.82)
IVI	years before admission	1.00	0.90(0.30-2.23)	0.23(0.08-0.82)
F	Brand smoked at least 10 years before admission	1.00	0.38(0.09-1.58)	0.21(0.05-0.93)
Sour	ce : Table 5; re-estimated to 29+1	ng tar base		

STUDY REF: MRFIT

NAME:	NAME: Multiple risk factor intervention trial					
DESIGN	V: Prospective s	study - intervention on	diet, smoking, blood p	ressure		
LOCAT	ION: USA: 22 cei	ntres				
PERIOD): 1973/76 follo	owed up until end of 1	985 (Mean 10.5 years)			
NOI	AGE RANGE:	35-57 at baseline	;			
JLAT	RACE:	No restriction				
CASES POPULATION	OTHER DETAILS: Men selected to be at high risk of CHD and free of overt CHD					
ES	NUMBER: 119 men					
CAS	HISTOLOGICAL	CONFIRMATION: 1	No			
	PROXY INTERVIEWS: No					
	OTHER DETAILS: Based on death certificates					
JP.	NUMBER: 12866 men					
BASELINE POP.	TYPE: Randomized to special intervention or usual care (until 1982)					
	MATCHING FACTORS: NA					
ASE	PROXY INTERV	TEWS: No				
B,	OTHER DETAIL	S: -				
ASPECT	TS OF CIG TYPE:	Filter/plain, tar lev	el, nicotine level			
DATA E	BY HISTOLOGICA	AL TYPE: No				
	UNDING VARIAE	\mathcal{O}	l pressure, cholesterol, eld, filter/non-filter, thi			
OTHER	COMMENTS:	Men who	reported smoking cigar	ettes at e	entry	
REFERE	ENCES: Kull	er <u>et al</u> (1991), Ockene	e <u>et al</u> (1990)			
RESULT						
	Mι	altivariate regression coefficient	S.E.		RR(CI)	
Filter/no		-0.6440	0.4076	NS	0.53(0.24-1.17)	
Tar (per	O ,	-0.1334	0.0952	NS	0.88(0.73-1.05)	
	(per mg) Ockene <u>et al</u> (1990	1.9110) Table 2	1.3438	NS	6.75(0.49-94.2)	
Tar 20)+ mg (base)	1.00	Nicotine 1.5+ mg (ba	se)	1.00	
	6-19 mg	0.71(0.49-1.03)	1.1-1.4 mg	.50)	0.66(0.42-1.04)	
	15 mg	0.88(0.52-1.49)	$\leq 1.0 \text{ mg}$		0.68 (0.40-1.17)	
Per mg t		1.03(0.98-1.07)	Per mg nicotin		1.51(0.74-3.09)	
Source:	Kuller <u>et al</u> (1991)	Table 8	Source : Kuller	et al (19	991) Table 7	

STUDY REF: CPSI

NAME:	NAME: American Cancer Society Cancer Prevention Study I					
DESIGN	I: P					
LOCAT	ION: USA: 25 states					
PERIOD	2: 1959-60 followed up for 12 years					
ON	AGE RANGE: No restriction					
POPULATION	RACE: No restriction					
ldOd	OTHER DETAILS: Enrolled by volunteer workers. Tend to be predominantly white and above average social class					
ES	NUMBER: 969 in first 6 years of follow up					
CASES	HISTOLOGICAL CONFIRMATION: No					
	PROXY INTERVIEWS: No					
	OTHER DETAILS: Death certificates					
٠.	NUMBER: Over 1 million (222,830 in Stellman's analysis)					
POF	TYPE: NA					
INE	MATCHING FACTORS: NA					
BASELINE POP.	PROXY INTERVIEWS: No					
BA	OTHER DETAILS: Questionnaires once every 2 years. Stellman and Garfinkel analysis restricted to white males with no history of cancer, heart disease or stroke who did not report being sick and had completed some high school.					
ASPECT	TS OF CIG TYPE: Tar/nicotine					
DATA E	BY HISTOLOGICAL TYPE: No					
residence	UNDING VARIABLES: Age, race, number cigs/day, age starting to smoke, place of e, occupational exposures to dust, fumes, chemicals, etc, education, prior history of lung prior history of heart disease (Hammond), age, number cigs/day (Stellman)					
For Ham	Low T/N = < 1.2 mg nicotine (usually < 17.6 mg tar) and Medium T/N = Intermediate					
	man categories based only on tar					
REFERE	ENCES: Hammond <u>et al</u> (1976a, 1976b, 1977), Lee and Garfinkel (1980), Stellman and Garfinkel (1989)					
RESULT	ΓS High T/N (base) Medium T/N Low T/N					
Men Source : S	- RR(CI) 1.00 0.90(0.78-1.04) 0.68(0.54-0.86) deaths 93 379 350 tellman and Garfinkel (1989), Table 2, 6 years follow-up, CI estimated from deaths.					
	Continued					

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STUDY REF: CPSI (Continued)

			High T/N (base)	Medium T/N	Low T/N
Men	1960-66	RR(CI)	1.00	0.96(0.75-1.24)	0.83(0.64-1.08)
		adj. deaths	122.4	117.4	101.0
Women	1960-66	RR(CI)	1.00	0.86(0.57-1.30)	0.57(0.36-0.91)
		adj. deaths	48.3	41.4	27.4
Men	1960-66	RR(CI)	1.00	0.94(0.70-1.27)	0.79(0.58-1.08)
		adj. deaths	89.6	84.5	70.6
Women	1960-66	RR(CI)	1.00	0.73(0.49-1.09)	0.62(0.41-0.94)
		adj. deaths	58.1	42.2	36.2

STUDY REF: CPSII

NAME:	American Cancer Society Ca	ncer Prevention Study II				
DESIGN	N: P					
LOCAT	TION: USA: All 50 states plus DO	C and Puerto Rico				
PERIOD	D: 1982 followed until 1988					
NO	AGE RANGE: 30+					
POPULATION	RACE: No restric	ction				
POPU		by volunteer workers. Tend to be predominantly white e average social class				
ES	NUMBER:	2920 in men and 1462 in women				
CASES	HISTOLOGICAL CONFIRMAT	ION: No				
	PROXY INTERVIEWS:	No				
	OTHER DETAILS:	Death certificates				
)P.	NUMBER:	approx 1.2 million (509000 men and 677000 women)				
BASELINE POP	TYPE:	VA.				
	MATCHING FACTORS: N	VA.				
ASE	PROXY INTERVIEWS: N	lo				
B,	OTHER DETAILS: -					
ASPECT	TS OF CIG TYPE: Tar, filter/p	lain				
DATA E	BY HISTOLOGICAL TYPE: No					
CONFO	_	e, number cigs/day, inhalation (Garfinkel) e (Thun)				
OTHER	COMMENTS: Ha	lpern et al (1993) only used for numbers of deaths				
REFERI	ENCES: Garfinkel and Stellman (1	988), Thun and Heath (1997), Halpern <u>et al</u> (1993)				
	TS follow-up - current smokers - women RR 1.031 (p $<$ 0.01) per mg tar yield: Garfinkel and Stellman (1988), tex	d				
	Current smokers, smoked for at least 20 years - women Filter 40% or less (base) Filter exclusively 0.66(0.57-0.78) Source: Garfinkel and Stellman (1988), text below Table 8.					
	Filter 0.4	0 (0.7-0.9) 5(0.4-0.5) CI estimated assuming 500 deaths per group)				

STUDY REF: SPEIZE

NAME:	NAME: Nurses Health Study				
DESIGN	J: P				
LOCAT	ION: USA				
PERIOD: 1976 followed until 1992					
NOI	AGE RANGE: 30)-55			
POPULATION	RACE: N	o restriction			
POP			ale nurses free from cancer elanoma skin cancer)		
ES	NUMBER:		593		
CASES	HISTOLOGICAL CONFI	RMATION:	Cell type available for all but 25		
	PROXY INTERVIEWS:		No		
	OTHER DETAILS:		Hospital records and pathology reports reviewed blind of smoking history		
ЭР.	NUMBER:	118,35	1		
BASELINE POP	TYPE:	NA			
	MATCHING FACTORS:	NA NA			
ASE	PROXY INTERVIEWS:	No			
B,	OTHER DETAILS:	-			
ASPECT	TS OF CIG TYPE: Tar				
DATA E	BY HISTOLOGICAL TYPE	E: No			
CONFO	UNDING VARIABLES:	age, age	first smoked, current number smoked		
OTHER	COMMENTS:		ited as contributing, but he does not believe f adjustment		
REFERI	ENCES: Speizer et al (1999)			
RESULT	ΓS				

16 year follow-up - current smokers - women

1978 tar level

bottom vs. top quartile 0.50 (0.76-0.67) adjusted for age and age first smoked 1.00 (0.71-1.43) adjusted also for number cigs smoked

Source: Speizer <u>et al</u> (1999) text above Table 1, inverting RRs to make them relative to top quartile. Note that the text does not give RRs for intermediate groups and variously refers to tertiles and quartiles.

STUDY REF: LUBIN

NAME:	West European multice	entre case-control study				
DESIGN	I: CC					
LOCAT	ION: Europe:	Austria, France, Germa (Milan, Rome), Scotlar		lberg), Italy		
PERIOD	1976-80					
ON	AGE RANGE:	No restriction				
POPULATION	RACE: No	restriction				
POPU	OTHER DETAILS: -					
ES	NUMBER:	6920) men and 884 womer	1		
CASES	HISTOLOGICAL CONFIR	MATION: 100%				
	PROXY INTERVIEWS:	No				
	OTHER DETAILS: -					
Γ S	NUMBER: 13460 men and 1747 women					
IRO	TYPE: Patients mainly with diseases unrelated to smoking					
CONTROLS	MATCHING FACTORS: Sex, age, study site					
\circ	PROXY INTERVIEWS:	No				
	OTHER DETAILS:	-				
ASPEC	TS OF CIG TYPE:	Filter/plain, tar level				
DATA I	BY HISTOLOGICAL TYPE:	Yes				
CONFO	UNDING VARIABLES:	Years of cessation (ye) duration of smoking (d		,		
OTHER	COMMENTS:	No adjustment for age				
REFERI	ENCES: Lubin <u>et al</u> (1	984a,b), Lubin (1984), Lu	ubin and Blot (1984)			
RESUL	ΓS					
	Lifetime Nonfilter (b all types 1.00 all types 1.00 all types 1.00 all types 1.00 ubin et al (1984a) Table V, re-esti	0.89(0.82-0.96) 1.00(0.91-1.10) 0.72(0.36-1.44) 1.00(0.54-1.87)	Lifetime Filter 0.56(0.47-0.66) 0.48(0.40-0.56) 0.40(0.19-0.83) 0.43(0.22-0.85)	Adjustment Factors yc, d yc, n yc, d yc, n		
				Continued		

STUDY REF: LUBIN (Continued)

Males -	squamous cell 1.00	0.84(0.78-0.91)	0.53(0.45-0.62)	yc, d
	oat cell 1.00	1.15(0.99-1.34)	0.77(0.59-1.01)	•
	KI, unknown type 1.00	1.06(0.86-1.31)	0.63(0.41-0.94)	
	adenocarcinoma 1.00	1.07(0.90-1.27)	0.71(0.52-0.99)	
Females -	squamous cell 1.00	0.27(0.17-0.43)	0.15(0.09-0.26)	yc, d
oat cell 1.00		1.43(0.70-2.91)	0.71(0.33-1.54)	•
KI, unknown type 1.00		1.06(0.56-2.01)	` ,	
	adenocarcinoma 1.00	1.36(0.66-2.83)		
Source : L	ubin and Blot (1984), Table 4,	re-estimated to correct base.	` ,	
				Adjustment
% years n	onfilter	Males	Females	Factors
	noked - 100% (base)	1.00	1.00	yc, d, n
oranas sir	84-99%	1.00	1.05	ye, a, 11
	70-83%		0.95	
	50-69%		0.85	
	1-49%		0.90	
	0%		0.50	
Source · I		II, re-estimated to correct bas		
504100.1	(190 tu) 1 uoto (1	, 10 000000000000000000000000000000000		
			Former	Adjustment
Most rece		Smokers	Smokers	Factors
Stayed	l nonfilter (base)	1.00	1.00	Factors yc, d
Stayed Nonfil	l nonfilter (base) ter to filter	1.00 0.85	1.00 1.08	
Stayed Nonfil Stayed	nonfilter (base) ter to filter l filter	1.00 0.85 0.54	1.00	
Stayed Nonfil Stayed	l nonfilter (base) ter to filter	1.00 0.85 0.54	1.00 1.08	
Stayed Nonfil Stayed	nonfilter (base) ter to filter l filter	1.00 0.85 0.54	1.00 1.08	yc, d
Stayed Nonfil Stayed Source : I	l nonfilter (base) ter to filter I filter Lubin (1984) Table VI, re-e	1.00 0.85 0.54 stimated to correct base.	1.00 1.08	
Stayed Nonfil Stayed Source : I	nonfilter (base) ter to filter l filter	1.00 0.85 0.54 stimated to correct base.	1.00 1.08 0.64	yc, d Adjustment Factors
Stayed Nonfil Stayed Source : I	I nonfilter (base) ter to filter I filter Lubin (1984) Table VI, re-e arette tar content	1.00 0.85 0.54 stimated to correct base.	1.00 1.08 0.64	yc, d Adjustment
Stayed Nonfil Stayed Source : I	I nonfilter (base) ter to filter I filter Lubin (1984) Table VI, re-e arette tar content st VI (base for males)	1.00 0.85 0.54 stimated to correct base. Males 1.00 0.93 (0.73-1.18)	1.00 1.08 0.64 Females	yc, d Adjustment Factors
Stayed Nonfil Stayed Source : I	I nonfilter (base) ter to filter I filter Lubin (1984) Table VI, re-e arette tar content st VI (base for males) V (base for females)	1.00 0.85 0.54 stimated to correct base. Males 1.00 0.93 (0.73-1.18) 0.93(0.74-1.16)	1.00 1.08 0.64 Females - 1.00 0.73(0.40-1.33)	yc, d Adjustment Factors
Stayed Nonfil Stayed Source : I	I nonfilter (base) ter to filter I filter Lubin (1984) Table VI, re-e arette tar content st VI (base for males) V (base for females) IV	1.00 0.85 0.54 stimated to correct base. Males 1.00 0.93 (0.73-1.18) 0.93(0.74-1.16) 1.21(0.96-1.54)	1.00 1.08 0.64 Females - 1.00 0.73(0.40-1.33) 0.87(0.44-1.69)	yc, d Adjustment Factors
Stayed Nonfil Stayed Source : I	I nonfilter (base) ter to filter I filter Lubin (1984) Table VI, re-e arette tar content st VI (base for males) V (base for females) IV III II	1.00 0.85 0.54 stimated to correct base. Males 1.00 0.93 (0.73-1.18) 0.93(0.74-1.16) 1.21(0.96-1.54) 0.86(0.67-1.10)	1.00 1.08 0.64 Females - 1.00 0.73(0.40-1.33) 0.87(0.44-1.69) 1.27(0.67-2.40)	yc, d Adjustment Factors
Stayed Nonfil Stayed Source : I Mean cigs Highes	I nonfilter (base) ter to filter I filter Lubin (1984) Table VI, re-e arette tar content st VI (base for males) V (base for females) IV III II II t I	1.00 0.85 0.54 stimated to correct base. Males 1.00 0.93 (0.73-1.18) 0.93(0.74-1.16) 1.21(0.96-1.54) 0.86(0.67-1.10)	1.00 1.08 0.64 Females - 1.00 0.73(0.40-1.33) 0.87(0.44-1.69) 1.27(0.67-2.40) 0.67(0.38-1.18)	yc, d Adjustment Factors
Stayed Nonfil Stayed Source : I Mean cigs Highes	I nonfilter (base) ter to filter I filter Lubin (1984) Table VI, re-e arette tar content st VI (base for males) V (base for females) IV III II II t I	1.00 0.85 0.54 stimated to correct base. Males 1.00 0.93 (0.73-1.18) 0.93(0.74-1.16) 1.21(0.96-1.54) 0.86(0.67-1.10) 0.71(0.55-0.93)	1.00 1.08 0.64 Females - 1.00 0.73(0.40-1.33) 0.87(0.44-1.69) 1.27(0.67-2.40) 0.67(0.38-1.18)	yc, d Adjustment Factors yc, d, n
Stayed Nonfili Stayed Source : I Mean ciga Highes Lowes Source : I	I nonfilter (base) ter to filter I filter Lubin (1984) Table VI, re-e arette tar content st VI (base for males) V (base for females) IV III II t I Lubin et al (1984a) Table X	1.00 0.85 0.54 stimated to correct base. Males 1.00 0.93 (0.73-1.18) 0.93(0.74-1.16) 1.21(0.96-1.54) 0.86(0.67-1.10) 0.71(0.55-0.93) re-estimated to correct base	1.00 1.08 0.64 Females - 1.00 0.73(0.40-1.33) 0.87(0.44-1.69) 1.27(0.67-2.40) 0.67(0.38-1.18)	yc, d Adjustment Factors yc, d, n
Stayed Nonfili- Stayed Source : I Mean ciga Highes Lowes Source : I	I nonfilter (base) ter to filter I filter Lubin (1984) Table VI, re-e arette tar content st VI (base for males) V (base for females) IV III II t I Lubin et al (1984a) Table X n of smoking history	1.00 0.85 0.54 stimated to correct base. Males 1.00 0.93 (0.73-1.18) 0.93(0.74-1.16) 1.21(0.96-1.54) 0.86(0.67-1.10) 0.71(0.55-0.93) 3, re-estimated to correct base	1.00 1.08 0.64 Females - 1.00 0.73(0.40-1.33) 0.87(0.44-1.69) 1.27(0.67-2.40) 0.67(0.38-1.18)	yc, d Adjustment Factors yc, d, n Adjustment Factors
Stayed Nonfile Stayed Source: I Mean ciga Highes Lowes Source: I Proportion High-t	I nonfilter (base) ter to filter I filter Lubin (1984) Table VI, re-e arette tar content st VI (base for males) V (base for females) IV III II t I Lubin et al (1984a) Table X n of smoking history ar brands (100%) (base)	1.00 0.85 0.54 stimated to correct base. Males 1.00 0.93 (0.73-1.18) 0.93 (0.74-1.16) 1.21 (0.96-1.54) 0.86 (0.67-1.10) 0.71 (0.55-0.93) 3. re-estimated to correct base Males 1.00	1.00 1.08 0.64 Females - 1.00 0.73(0.40-1.33) 0.87(0.44-1.69) 1.27(0.67-2.40) 0.67(0.38-1.18) Females 1.00	yc, d Adjustment Factors yc, d, n
Stayed Nonfil Stayed Source: I Mean cigs Highes Lowes Source: I Proportion High-t High-t	I nonfilter (base) ter to filter I filter Lubin (1984) Table VI, re-e arette tar content st VI (base for males) V (base for females) IV III II t I Lubin et al (1984a) Table X n of smoking history ar brands (100%) (base) ar brands (> 75%)	1.00 0.85 0.54 stimated to correct base. Males 1.00 0.93 (0.73-1.18) 0.93(0.74-1.16) 1.21(0.96-1.54) 0.86(0.67-1.10) 0.71(0.55-0.93) re-estimated to correct base Males 1.00 1.06(0.93-1.21)	1.00 1.08 0.64 Females - 1.00 0.73(0.40-1.33) 0.87(0.44-1.69) 1.27(0.67-2.40) 0.67(0.38-1.18) Females 1.00 0.52(0.31-0.88)	yc, d Adjustment Factors yc, d, n Adjustment Factors
Stayed Nonfili Stayed Source: I Mean cigs Highes Lowes Source: I Proportion High-t High-t Other i	I nonfilter (base) ter to filter I filter Lubin (1984) Table VI, re-e arette tar content st VI (base for males) V (base for females) IV III II t I Lubin et al (1984a) Table X n of smoking history ar brands (100%) (base) ar brands (> 75%) mixed levels	1.00 0.85 0.54 stimated to correct base. Males 1.00 0.93 (0.73-1.18) 0.93(0.74-1.16) 1.21(0.96-1.54) 0.86(0.67-1.10) 0.71(0.55-0.93) 3. re-estimated to correct base Males 1.00 1.06(0.93-1.21) 0.88(0.79-0.99)	1.00 1.08 0.64 Females - 1.00 0.73(0.40-1.33) 0.87(0.44-1.69) 1.27(0.67-2.40) 0.67(0.38-1.18) Females 1.00	yc, d Adjustment Factors yc, d, n Adjustment Factors
Stayed Nonfil Stayed Source: I Mean cigs Highes Lowes Source: I Proportion High-t High-t Other i Low-ta	I nonfilter (base) ter to filter I filter Lubin (1984) Table VI, re-e arette tar content st VI (base for males) V (base for females) IV III II Lubin et al (1984a) Table X n of smoking history ar brands (100%) (base) ar brands (> 75%) mixed levels ar brands (> 75%)	1.00 0.85 0.54 stimated to correct base. Males 1.00 0.93 (0.73-1.18) 0.93(0.74-1.16) 1.21(0.96-1.54) 0.86(0.67-1.10) 0.71(0.55-0.93) , re-estimated to correct base Males 1.00 1.06(0.93-1.21) 0.88(0.79-0.99) 0.71(0.43-1.56)	1.00 1.08 0.64 Females - 1.00 0.73(0.40-1.33) 0.87(0.44-1.69) 1.27(0.67-2.40) 0.67(0.38-1.18) Females 1.00 0.52(0.31-0.88) 0.77(0.49-1.19)	yc, d Adjustment Factors yc, d, n Adjustment Factors
Stayed Nonfil' Stayed Source: I Mean ciga Highes Lowes Source: I Proportion High-t High-t Other I Low-ta Low-ta Low-ta	I nonfilter (base) ter to filter I filter Lubin (1984) Table VI, re-e arette tar content st VI (base for males) V (base for females) IV III II t I Lubin et al (1984a) Table X n of smoking history ar brands (100%) (base) ar brands (> 75%) mixed levels ar brands (> 75%) ar brands (100%)	1.00 0.85 0.54 stimated to correct base. Males 1.00 0.93 (0.73-1.18) 0.93(0.74-1.16) 1.21(0.96-1.54) 0.86(0.67-1.10) 0.71(0.55-0.93) 3. re-estimated to correct base Males 1.00 1.06(0.93-1.21) 0.88(0.79-0.99)	1.00 1.08 0.64 Females - 1.00 0.73(0.40-1.33) 0.87(0.44-1.69) 1.27(0.67-2.40) 0.67(0.38-1.18) Females 1.00 0.52(0.31-0.88) 0.77(0.49-1.19) - 0.13(0.06-0.27)	yc, d Adjustment Factors yc, d, n Adjustment Factors

STUDY REF: LANGE

NAME:	NAME: Copenhagen City Heart Study				
DESIGN	[: P				
LOCAT	LOCATION: Europe : Denmark : Copenhagen				
PERIOD	PERIOD: 1976 followed to 1989				
ION	AGE RANGE: 20+				
POPULATION	RACE: No restriction				
POP	OTHER DETAILS: Defined area around the University Hospital				
ES	NUMBER: 200 men and 68 women				
CASES	HISTOLOGICAL CONFIRMATION: No				
	PROXY INTERVIEWS: No				
	OTHER DETAILS: Death certificate				
)P.	NUMBER: 6511 men and 7703 women				
BASELINE POP.	TYPE: NA				
CLIN	MATCHING FACTORS: NA				
ASE	PROXY INTERVIEWS: No				
В	OTHER DETAILS: -				
ASPECT	S OF CIG TYPE: filter/plain				
DATA E	SY HISTOLOGICAL TYPE: No				
CONFO	CONFOUNDING VARIABLES: age and pack-years				
OTHER	COMMENTS: -				
REFERE	ENCES: Lange <u>et al</u> (1992), Lange <u>et al</u> (1993)				
RESULT					
Filter on	Male Female ly/plain only 0.9(0.6-1.4) 0.7(0.4-1.4)				
Source:	Lange <u>et al</u> (1992) Table 4				

STUDY REF: PERNU

NAME:	Н	elsinki	case-control	study				
DESIGN	1: (CC						
LOCAT	ION: Eu	rope : I	Finland : He	lsinki (4 hosp	itals + some	for 1957	-58 from Ca	ancer Registry)
PERIOD	PERIOD: 1944-1958							
ION	AGE R	RANGE	: N	o restriction				
JLAT	RACE	RACE: No restriction						
POPULATION	ОТНЕ	R DET.	AILS: -					
	NUME	BER:			1477 men	and 129 v	women	
CASES	HISTO	LOGIO	CAL CONF	RMATION:	50%			
	PROX	Y INTE	ERVIEWS:		No			
	ОТНЕ	R DET.	AILS:		-			
LS	NUME	BER:		713 me	en and 1060	women		
CONTROLS	TYPE:			Cancer	free			
ON	MATC	CHING	FACTORS	: None -	but controls	selected	as aged	
C	PROX	Y INTE	ERVIEWS:	No				
	OTHE	R DET.	AILS:	-				
ASPECT no actual cigarette	l filter; F	Pölli inc	ludes short	i/Pölli (Pilli h cigarettes smo				cardboard, but ece, and
DATA E	BY HIST	OLOG	ICAL TYPI	E: No				
CONFO	UNDIN	G VAR	IABLES:	None				
OTHER	COMM	ENTS:		Mixed q	uestionnaire	and pers	onal intervi	ew
REFERE	ENCES:			Pernu (1	960)			
RESULT		Cases 706	Males Controls 216	RR(CI)		Cases	Females Controls 24	RR(CI)
Pilli		432	137	0.96(0.76-1.	23)	10	89	0.39(0.13-1.12)
Source :	Table 1:	5						

STUDY REF: BENHAM

DESIGN: CC LOCATION: Europe: France: 16 hospitals (13 in Paris) PERIOD: 1976-1980 Z AGE RANGE: No restriction					
PERIOD: 1976-1980					
Z AGE RANGE: No restriction					
I O I					
AGE RANGE: No restriction RACE: No restriction OTHER DETAILS: -					
OTHER DETAILS: -					
NUMBER: 1625 men and 96 women					
NUMBER: 1625 men and 96 women HISTOLOGICAL CONFIRMATION: 100%					
PROXY INTERVIEWS: No					
OTHER DETAILS: -					
NUMBER: 3091 men and 192 women					
NUMBER: 3091 men and 192 women TYPE: Mainly diseases not associated with smoking MATCHING FACTORS: Age, sex, hospital, interviewer					
MATCHING FACTORS: Age, sex, hospital, interviewer					
PROXY INTERVIEWS: No					
OTHER DETAILS: -					
ASPECTS OF CIG TYPE: Dark/light, filter/plain, hand rolled/manufactured, tar levels					
DATA BY HISTOLOGICAL TYPE: Yes					
CONFOUNDING VARIABLES: See below					
OTHER COMMENTS: Part of Lubin multicentre study					
REFERENCES: Benhamou <u>et al</u> (1985, 1987, 1989, 1994)					
RESULTS					
(Source) Adjustment factors Light Ever Mixed Dark (base) dark					
Males (1985, Table 4) None (Kreyberg I) 1.0 3.63(2.05-6.42) 3.08(1.54-6.15) 3.69(1.98-6					
(1985, Table 8) N cigs, Dur, Inhale, Class, Current/ex, HR/manuf, Filter/plain (Kreyberg I) 1.0 1.88(0.92-3.83) 1.55(0.71-3.42) 1.94(0.95-3) (1994, Table 2) Age 1.0 3.41(2.00-5.81) 4.4 (1.9-10.3) 3.4(2.0-5.8) (1994, Table 3) Age, N cigs, Dur, Inhale,					
Current use, Filter/plain, Tar 1.0 1.73(0.92-3.26) 2.6(1.1-6.5) 1.7(0.9-3.2) (1989, Table IV) Age, N cigs, Dur 1.0 3.32(1.91-5.74) 2.44(0.95-6.27) 3.33(1.92-5)					
Conti					

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STUDY REF: BENHAM (Continued)

Miles		Never (base)	filter	Mixed	Always filter
(1985, Table 4) None (Kreyberg I)		1.0		1.02(0.84-1.25)	0.60(0.44-0.82)
(1985, Table 8) N cigs, Dur, Inhale, Class, Tobactype, Current/ex, HR/manuf (Kreyberg I) (1994, Table 2) Age (1994, Table 3) Age, N cigs, Dur, Inhale,	co	1.0 1.0		0.89(0.69-1.14) 1.00(0.84-1.19)	0.81(0.58-1.15) 0.38(0.24-0.62)
Current use, Tobacco type, Tar (1989, Table IV) Age, N cigs, Dur		1.0 1.0		1.00(0.79-1.27) 0.95(0.76-1.18)	0.63(0.35-1.10) 0.70(0.52-0.94)
]	> 75% high tar (base)		51-75% nigh tar	< 50% high tar	Light imported (unknown tar)
	1.0	1	.10(0.92-1.32)	0.74(0.59-0.94)	0.26(0.14-0.47)
	1.0	0	0.94(0.54-1.64)	0.79(0.52-1.20)	0.30(0.10-0.92)
	Nev hand rolle (bas	d ed	Mixed	Always hand rolled	Ever hand rolled
(1985, Table 4) None (Kreyberg I)	1.0	1	.64(1.25-2.15)	1.24(0.89-1.71)	1.46(1.18-1.82)
(1985, Table 8) N cigs, Dur, Inhale, Class, Tobactype, Current/ex, Filter/plain (Kreyberg I) (1989, Table IV) Age, N cigs, Dur	1.0 1.0		.32(0.95-1.81) .38(0.84-2.26)	1.22(0.83-1.79) 1.25(0.92-1.69)	1.28(0.99-1.66) 1.28(0.98-1.67)
Especies	1009 (bas	% nonfil e)	lter 51	-99% nonfilter	\leq 50% non filter
(1987, Table III) Matching factors (1987, Table IV) N cigs, Dur, Inhale (includes nonsmokers)	1.0 1.0			45(0.09-2.23) 35(0.05-2.38)	0.16(0.04-0.61) 0.28(0.05-1.47)
	≤ 50 (bas)% dark	51+% dark	51-99% dark	100% dark
(1987, Table IV) Matching factors	1.00		2.04(0.75-5.	57) 1.66(0.31-8.84)	2.13(0.75-6.01)

STUDY REF: BERRIN

NAME:	Italian case-control study	ý				
DESIGN	V: CC					
LOCAT	ION: Europe: Italy: Milan					
PERIOD	D: 1977-80					
NOI	AGE RANGE: No re	estriction				
POPULATION	RACE: No restriction					
POPU	OTHER DETAILS: -					
ES	NUMBER:	1101	men			
CASES	HISTOLOGICAL CONFIRM	MATION: 1009	⁄o			
	PROXY INTERVIEWS:	No				
	OTHER DETAILS:	-				
LS	NUMBER: 1918 women					
IRO	TYPE:	Mainly disea	ses not associated with smoking			
CONTROLS	MATCHING FACTORS:	Age, sex, res	idence, date of diagnosis			
	PROXY INTERVIEWS:	No				
OTHER DETAILS: -						
ASPECT	TS OF CIG TYPE:	Dark/light tobacco, filter/plain				
DATA I	BY HISTOLOGICAL TYPE:	No				
CONFO	UNDING VARIABLES:		e, consumption, years since cessation and type of tobacco			
OTHER	COMMENTS:	Part of Lubin 1	nulticentre study - not fully reported			
REFERI	ENCES:	Benhamou and Benhamou (1993)				
RESULTS						
	Light tobacco (base) Mixed tobacco	1.0 1.15(0.86-1.53)				
Dark tobacco		1.13(0.86-1.33) 1.60(1.19-2.15)				
Ever dark 1.30(0.98-1.73 Source: Tables 2 and 4: CI estimated using numbers						
	-					
	Always plain (base) < 50% filter	1.00 1.18	NS			
	≥ 50% filter	1.27	NS			
	Always filter	0.91	NS			
Source:	Table 5					
<u> </u>						

STUDY REF: VUTUC

NAME: Austrian case-control study						
DESIGN	DESIGN: CC					
LOCAT	ION: Europe: Austria: Nationwide (1	5 centres)				
PERIOD): 1976-80					
NOI	AGE RANGE: No restriction					
JLAT	RACE: No restriction					
POPULATION	OTHER DETAILS: Men with occu	upational exposure to inhala	tion risk excluded			
	NUMBER:	252 men and 297 women				
CASES	HISTOLOGICAL CONFIRMATION:	100%				
	PROXY INTERVIEWS:	No				
	OTHER DETAILS:	-				
FS	NUMBER: 839 men and 580 wom	nen				
IRO	TYPE: 50% patients with diseases unrelated to smoking, 50% neighbourhood					
NO	NUMBER: 839 men and 580 women TYPE: 50% patients with diseases unrelated to smoking, 50% neighbourhood MATCHING FACTORS: Age (±5 years)					
	PROXY INTERVIEWS: No					
	OTHER DETAILS: -					
ASPECT	TS OF CIG TYPE: Tar leve	el				
DATA E	BY HISTOLOGICAL TYPE: No					
CONFOUNDING VARIABLES: Age, duration, cigs/day						
OTHER	OTHER COMMENTS: Part of Lubin multicentre study. Very large number of other papers, many giving risk only by lifetime total tar.					
REFERE	ENCES: Vutuc and Kunze (1982)	, 1983)				
RESULTS						
	Tar $> 24 \text{ mg}$ (base)	15-24 mg	< 15 mg			
Males	- main brand 1.00	0.56(0.37-0.86)	0.30(0.11-0.81)			
- exclusive brand 1.00 0.41(0.23-0 75) Source: Vutuc and Kunze (1983) Table 1, re-estimated to base > 24 mg tar.						
Females Source:	Females - main brand 1.00 0.49(0.32-0.76) 0.29(0.09-0.95) - exclusive brand 1.00 0.43(0.20-0.93) 0.24(0.02-3.00)					
(Results	Source: Vutuc and Kunze (1982) Table 1, re-estimated to base > 24 mg tar. (Results for < 15 mg based on very few cases and controls in both sexes) (Estimates of CI for males unreliable)					

STUDY REF: JOCKEL

NAME: North West German case-control study						
DESIGN	DESIGN: CC					
LOCAT	ION: Europe: Germany: Bremen, Hamburg, Hanover, Cologne, Bielefeld (7 hospitals)					
PERIOD): 1985-86					
ION	AGE RANGE: No restriction					
JLAT	RACE: No restriction					
POPULATION	OTHER DETAILS: -					
	NUMBER: 146 male and 48 females					
CASES	HISTOLOGICAL CONFIRMATION: Not required					
	PROXY INTERVIEWS: No					
	OTHER DETAILS: -					
TS	NUMBER: 292 males and 96 females					
CONTROLS	TYPE: 50% hospital controls with diseases unrelated to smoking 50% population controls randomly drawn from residence registry					
CO	MATCHING FACTORS: Sex and age					
	PROXY INTERVIEWS: No					
OTHER DETAILS: -						
ASPECT	TS OF CIG TYPE: Filter/plain					
DATA I	BY HISTOLOGICAL TYPE: No					
CONFO	UNDING VARIABLES: Matching factors					
OTHER COMMENTS: -						
REFERENCES: Jockel et al (1992)						
RESULTS						
	Males Any filter/no filter 0.41(0.21-0.81) (in last 20 years)					
Source : Table 3						

STUDY REF: KNOTH

DESIGN: Case study LOCATION: Europe: Germany: Mannheim, Ludwigshafen, Heidelberg PERIOD: 1967-76 ZOLLYING AGE RANGE: No restriction RACE: No restriction OTHER DETAILS: - NUMBER: 733 men and 59 women HISTOLOGICAL CONFIRMATION: Histologically or cytologically confirmed PROXY INTERVIEWS: 96% from sons, daughters or spouses OTHER DETAILS: Only 35% response rate NUMBER: None TYPE: NA MATCHING FACTORS: NA					
PERIOD: 1967-76 AGE RANGE: No restriction RACE: No restriction OTHER DETAILS: - NUMBER: 733 men and 59 women HISTOLOGICAL CONFIRMATION: Histologically or cytologically confirmed PROXY INTERVIEWS: 96% from sons, daughters or spouses OTHER DETAILS: Only 35% response rate					
AGE RANGE: No restriction RACE: No restriction OTHER DETAILS: - NUMBER: 733 men and 59 women HISTOLOGICAL CONFIRMATION: Histologically or cytologically confirmed PROXY INTERVIEWS: 96% from sons, daughters or spouses OTHER DETAILS: Only 35% response rate					
RACE: No restriction OTHER DETAILS: - NUMBER: 733 men and 59 women HISTOLOGICAL CONFIRMATION: Histologically or cytologically confirmed PROXY INTERVIEWS: 96% from sons, daughters or spouses OTHER DETAILS: Only 35% response rate					
PROXY INTERVIEWS: 96% from sons, daughters or spouses OTHER DETAILS: Only 35% response rate					
PROXY INTERVIEWS: 96% from sons, daughters or spouses OTHER DETAILS: Only 35% response rate					
PROXY INTERVIEWS: 96% from sons, daughters or spouses OTHER DETAILS: Only 35% response rate					
PROXY INTERVIEWS: 96% from sons, daughters or spouses OTHER DETAILS: Only 35% response rate					
OTHER DETAILS: Only 35% response rate					
NUMBER: None					
TYPE: NA					
MATCHING FACTORS: NA					
PROXY INTERVIEWS: NA					
OTHER DETAILS: NA					
ASPECTS OF CIG TYPE: Plain/filter					
DATA BY HISTOLOGICAL TYPE: No					
CONFOUNDING VARIABLES: None					
OTHER COMMENTS: No control population, use of average age at death invalid					
REFERENCES: Knoth et al (1983)					
RESULTS					
Filter Plain Average age at death 60.6(59.6-61.7) 62.6(61.1-63.3) Cigarettes per day 26.4 31.0					
Stopped smoking for > one year 23.2% 14.1%					
Lifetime consumption of cigarettes 468000 379000					
Duration of smoking 40.5 43.1					
Source: Text of paper					

STUDY REF: ENGELA

NAME:	NAME: Norwegian parts of US/UK/Norway Migrant Study						
DESIGN	DESIGN: P						
LOCAT	ION: Europe: N	lorway					
PERIOD	: 1964/65 fc	ollowed until 1	993				
Z	AGE RANGE:	Born 1	893-1927 (men), 18	393-1932 (women)			
TIO	DACE: No restriction						
JLA	RACE: No restriction						
AGE RANGE: Born 1893-1927 (men), 1893-1932 (women) RACE: No restriction OTHER DETAILS: Random sample of residents in Norway + Additional sample from 4 counties (Øst-Agder, Vest-Agder, Rogaland, Finnmark) + sample of siblings of Norwegian-born migrants to the USA							
N	NUMBER:		333 men a	and 102 women			
CASES	HISTOLOGICA	L CONFIRM <i>A</i>	ATION: Not requir	red			
	PROXY INTER	VIEWS:	No				
	OTHER DETAIL	LS:	-				
٠.	NUMBER:		11857 men and 14	269 women			
POF	TYPE: NA						
BASELINE POP	MATCHING FA	ACTORS:	NA				
SEL	PROXY INTER	VIEWS:	No				
BA	OTHER DETAIL	LS:	Self-administered	questionnaire			
ASPECT	S OF CIG TYPE:]	Filter/plain, hand ro	lled			
DATA E	SY HISTOLOGIC	AL TYPE:	Yes				
CONFO	UNDING VARIA	BLES:	Age				
OTHER	COMMENTS:	-	-				
REFERE	ENCES:]	Engeland <u>et al</u> (1996	5)			
RESULT	TS .						
		Plain only (base)	Mixed	Filter only			
Men		1.00	0.00	0.67(0.30-1	1.43)		
			2.09(0.47-9.	31) 0.91(0.41-2	2.03)		
Mon	all	Manuf. only (base)	Mixed	Hand rolled only	Ever hand rolled		
	- all - squamous cell	1.00 1.00	0.63(0.38-1.05) 1.2(0.5-2.8)	1.20(0.88-1.63) 2.1(1.1-4.1)	1.06(0.79-1.43) 1.91(1.00-3.64)		
	- adenocarcinoma		0.3(0.1-1.2)	0.5(0.2-1.2)	0.43(0.18-1.00)		
	- small cell	1.00	0.3(0.1-1.3)	1.0(0.4-2.2)	0.73(0.32-1.67)		
Female		1.00 Table 4 (wome	1.28(0.58-2.81) en), re-estimated to	1.73(0.96-3.15)	1.56(0.91-2.69)		
Source:	rable 5 (illeli and	1 aute 4 (wome	en), re-estimated to	correct base.			

STUDY REF: ZEMLA

NAME:	Gliwice case-control study						
DESIGN	DESIGN: CC						
LOCAT	ON: Europe : Poland : Gliwice						
PERIOD	: Not stated						
ION	AGE RANGE: No restriction						
POPULATION	RACE: No restriction						
POPU	OTHER DETAILS: -						
ES	NUMBER: 210 men						
CASES	HISTOLOGICAL CONFIRMATION: Not required						
	PROXY INTERVIEWS: No						
	OTHER DETAILS: -						
LS	NUMBER: 420 men						
IRO	TYPE: Not suffering from cancer						
CONTROLS	MATCHING FACTORS: Age						
	PROXY INTERVIEWS: No						
	OTHER DETAILS: -						
ASPECTS OF CIG TYPE: Filter/plain							
DATA E	Y HISTOLOGICAL TYPE: No						
CONFO	CONFOUNDING VARIABLES: None						
OTHER COMMENTS: Presentation of results very difficult to follow							
REFERENCES: Zemla et al (1988)							
RESULTS							
Filter/pla	Filter/plain RR in men						
Source :	Table 1						

STUDY REF: AGUDO

NAME: Barcelona case-control study						
DESIGN: CC						
LOCAT	ION: Europe : Spain : Barcelona (10 hospitals)					
PERIOD): 1989-1992					
NOI	AGE RANGE: No restriction					
JLAT	RACE: No restriction					
POPULATION	OTHER DETAILS: -					
ES	NUMBER: 103 women					
CASES	HISTOLOGICAL CONFIRMATION: 98% of cases					
	PROXY INTERVIEWS: No					
	OTHER DETAILS: -					
\mathbf{S}	NUMBER: 206 women					
[RO]	TYPE: Patients without tobacco-related diseases					
CONTROLS	MATCHING FACTORS: Age, town of residence, hospital					
	PROXY INTERVIEWS: No					
	OTHER DETAILS: -					
ASPECT	TS OF CIG TYPE: Filter/plain, Blond/black					
DATA E	BY HISTOLOGICAL TYPE: No					
CONFO	CONFOUNDING VARIABLES: Matching factors					
OTHER COMMENTS: -						
REFERE	ENCES: Agudo <u>et al</u> (1994)					
RESULT	ΓS					
	ly/any non filter 0.22 (0.04, 1.27) ond tobacco 2.63 (0.56, 12.30)					
Source : Table III, re-estimated to correct base.						

STUDY REF: ARMADA

NAME: Second Barcelona case-control study						
DESIGN	DESIGN: CC					
LOCAT	ION: Europe	: Spain : Barce	lona (1 hos	spital)		
PERIOD): 1986-1	990				
NO	AGE RANGE: Up to 80					
POPULATION	RACE: No restriction					
POPU	OTHER DET	TAILS: Not	in bad phy	sical condition	or demented	
	NUMBER:			325 males		
CASES	HISTOLOGI	CAL CONFIRM	MATION:	100%		
	PROXY INT	ERVIEWS:		No		
	OTHER DET	TAILS:		-		
)P.	NUMBER:		325 ma	ales		
DC D	TYPE:		Patient	s without smol	king-related diseases	or trauma
NUMBER: 325 males TYPE: Patients without smoking-related diseases or trau MATCHING FACTORS: Age, hospital PROXY INTERVIEWS: No						
PROXY INTERVIEWS: No						
B,	OTHER DETAILS: -					
ASPECT	ASPECTS OF CIG TYPE: Filter/plain, blond/black					
DATA E	DATA BY HISTOLOGICAL TYPE: No (stated prevalence of black tobacco similar by type in cases)					
	CONFOUNDING VARIABLES: Age, cumulative cigarette consumption, socioeconomic status, filter/plain, blond/black, duration of smoking, daily cigarette consumption					
OTHER	COMMENTS	:	-			
REFERI	ENCES:		Armadar	ns-Gil <u>et al</u> (19	99)	
RESULTS Source: Table 3 Lifetime filter us Never Cases 63		<u>se</u> Mixed 197		Always 57	Adjustment ^a factors	
Controls RR(95%	CI) ^c	55 1.00	127 1.35(0.59	-2 07)	72 0.69(0.42-1.14)	None
RR(95%		1.0	1.0(0.6-1.		0.7(0.4-1.2)	Age, CCC
	Source: Table 3 and text p616 Long-term (exclusive last 20 years) filter use					
(results excluding long-term ex-smokers Cases			-	No 128	Yes 165	
Controls RR(95% RR(95%	,			94 1.0 1.0	132 0.92(0.65-1.30) 0.4(0.3-0.7)	None Age, CCC
						Continued

A59 STUDY REF: ARMADA (Continued)

		a 1:	h		
Source: Tables 3 au	nd 4	Smoking patte	 '		Adjustment
		Non-filter	Ex-smoker	<u>Filter</u>	factors
Cases		102	50	165	
Controls		35	87	132	
RR(95% CI) ^a		1.0	0.20(0.12-0.33)	0.43(0.27-0.67)	None
RR(95% CI)		1.0	0.3(0.2 - 0.6)	0.4(0.3 - 0.7)	Age, CCC
RR(95% CI)		1.00	0.31(0.2-0.6)	0.40(0.2 - 0.7)	Age, SES, Type T
RR(95% CI)		1.00	0.34(0.2-0.6)	0.41(0.3-0.7)	Age, SES, dur, cons, type T
Source : Table 4	Type of to	<u>obacco</u>			
	Blond	Black or	Black and	Black	
	<u>only</u>	<u>blond</u>	<u>blond</u>	<u>only</u>	
Cases	8	309	47	262	
Controls	26	228	33	195	
RR(95% CI) ^c	1.00	4.40(1.96-9.91)	4.63(1.87-11.5)	4.37(1.94-9.85)	None
RR(95% CI)	1.00		4.9(1.7-13.7)	5.3(2.1-13.6)	Age, CCC
RR(95% CI)	1.00	5.04(2.0-12.7)			Age, CCC, SES, pattern
RR(95% CI)	1.00	4.68(1.9-11.8)			Age, SES, dur, cons, pattern

Notes: ^a adjustment factors: CCC = cumulative cigarette consumption, SES = socio-economic status, dur = duration of cigarette smoking, cons = average daily cigarette consumption, type T = type of tobacco, pattern = smoking pattern

b Smoking pattern: ex-smoker (>5 years since cessation), filter (exclusive filter cigarette use during last 20 smoking years), non-filter otherwise

^c Unadjusted RR and CI estimated from numbers of cases and controls.

STUDY REF: ALDERS

NAME: Multicentre case-control study 1977-82					
DESIGN	DESIGN: CC				
LOCATI	ON: Europe : U	K: 10 regions of En	gland (46 hospitals)		
PERIOD	: 1977-82				
NOI	AGE RANGE: 35-74				
POPULATION	RACE: No restric	tion			
POPU	OTHER DETAILS:	-			
ES	NUMBER:		1025 men	and 676 women	
CASES	HISTOLOGICAL C	ONFIRMATION:	Not required		
	PROXY INTERVIE	WS:	No		
	OTHER DETAILS:		-		
SQ.	NUMBER:		1025 men and	676 women	
ROI	TYPE: Diseases	definitely or probably	y not associated with	smoking	
NUMBER: 1025 men and 676 women TYPE: Diseases definitely or probably not associated with smoking MATCHING FACTORS: Sex, age, hospital region and, when possible, and time of interview				hen possible, hospital ward	
•	PROXY INTERVIE	WS: No			
-	OTHER DETAILS: -				
ASPECTS OF CIG TYPE: Filter/plain, tar level					
DATA B	Y HISTOLOGICAL				
CONFOU	UNDING VARIABL	ES: See	below		
OTHER (ly. Some additional i	results included from full numbers given.	
REFERE	ENCES:	Alderson et al (1985))		
RESULT	r'S	Male	Female	Confounding Variables	
Never file		1.00	1.00	Age, number of	
Ever filter		1.20(0.83-1.73)	1.09(0.70-1.70)	cigarettes smoked 3 years before admission;	
Ever plain (base) Never plain		1.00 1.48(0.85-2.57)	1.00 0.66(0.47-0.92)	ignoring smoking habits less than 3 years before admission; ever smokers	
Always plain (base) Switched to filter up to		1.00 1.13(0.65-1.97)	1.00 1.04(0.54-1.99)	of pipes, cigars or hand rolled cigs	
Switched	before admission I to filter more years before admission	1.09(0.73-1.63)	1.41(0.86-2.31)	excluded	
Always f	ïlter	1.48(0.81-2.69)	0.85(0.52-1.38)		
Source : A	Alderson et al (1985)	, radic 3, Crestimate	tu mom mumoers	Continued	

STUDY REF: ALDERS (Continued)

Tar band 10 years			
before admission			
29+ mg (base)	1.00	1.00	Age, number smoked
23-28 mg	0.92(0.57-1.49)	1.06(0.64-1.75)	most often; manufactured
17-22 mg	0.83(0.55-1.24)	1.12(0.74-1.70)	only smokers
Tar band 5 years			
before admission			
23-28 mg (base)	1.00	1.00	As above
0-22 mg	0.81(0.56-1.18)	0.96(0.63-1.45)	
Tar band			
at admission			
	1.00	1.00	As above
17-22 mg (base)			As above
0-16 mg	1.10(0.62-1.95)	` ,	
Source : Alderson et al (1985),	ruii Report, Table 1.	3F, CI estimated if	om numbers
Manuf. only (base)	1.00	-	Age
Ever hand rolled	1.46(1.11-1.91)		
Mixed manuf/HR	1.39(1.04-1.85)		
Hand rolled only	1.95(0.01-3.77)		
Source: Alderson et al (1985),	Table 3, re-estimated	d to base manuf. onl	y

STUDY REF: BENSHL

NAME:	Whitehall Study			
DESIGN	: P			
LOCAT	ON: Europe : UK : Whitehal	l, London		
PERIOD	: 1967-69 followed for 10) years		
NOI	AGE RANGE: 40-64			
POPULATION	RACE: No re	striction		
POP	OTHER DETAILS: Civil	Servants		
ES	NUMBER:	193 mer	1	
CASES	HISTOLOGICAL CONFIRM	MATION: No - dea	nth certificates	
	PROXY INTERVIEWS:	NA		
	OTHER DETAILS:	-		
<u>آ</u> .	NUMBER:	17475 men		
BASELINE POP	TYPE: NA			
INE	MATCHING FACTORS: NA			
SEL	PROXY INTERVIEWS: No			
BA	OTHER DETAILS: Self-administered questionnaire			
ASPECT	S OF CIG TYPE:	Tar yield		
DATA E	Y HISTOLOGICAL TYPE:	No		
CONFO	UNDING VARIABLES:	Age, employment	grade	
OTHER	COMMENTS:	Borland results baknown. CI estima		en as CO yield often not
REFERE	ENCES: Higenbottam et	<u>al</u> (1982), Borland	<u>et al</u> (1983)	
No furthe Adj. also Adj. also	$\begin{array}{cccccccccccccccccccccccccccccccccccc$			
and tar y	CO (mg/cig) $ > 20 \text{ mg (base)} \qquad > 18\text{-}20 \text{ mg} \qquad \leq 18 \text{ mg} $ Adj. also for cigs/day $ 1.00 \qquad 1.01(0.55\text{-}1.87) \qquad 0.67(0.32\text{-}1.39) $ and tar yield Source : Borland et al (1983), Table IV, re-estimated to $> 20 \text{ mg base} $			

STUDY REF: DEAN

NAME: Northern Ireland Case-Control Study				
DESIGN: CC				
LOCAT	ON: Europe : UK :	Northern Ireland		
PERIOD	PERIOD: 1960-62			
NOI	AGE RANGE: 35+			
AGE RANGE: 35+ RACE: No restriction OTHER DETAILS: -				
POP	OTHER DETAILS:	-		
ES	NUMBER:		803 men and 151 women	
CASES	HISTOLOGICAL CO	ONFIRMATION:	No	
	PROXY INTERVIEWS: 100%			
	OTHER DETAILS:		Obtained from Register of Deaths	
FS	NUMBER: 803 men and 151 women			
IRO	TYPE:	Non-re	spiratory illness	
CONTROLS	MATCHING FACT	ORS: Next person	in register of same sex and 5 year age-group	
	PROXY INTERVIEV	WS: 100%		
	OTHER DETAILS:	-		
ASPECT	S OF CIG TYPE:	Filter/pla	in	
DATA E	SY HISTOLOGICAL T	ГҮРЕ: No		
CONFO	UNDING VARIABLE	S: None		
OTHER	COMMENTS:	-		
REFERE	ENCES:	Wicken 6	et al (1966)	
RESULT	TS .			
	Male Female Man. cig smoker who last regularly smoked			
Plain (ba Filter	se)	1.00 0.97(0.50-1.86)	1.00 3.12(0.65-15.0)	
Source :	Source : Table 8			

STUDY REF: DEAN 2

NAME:	North-East England Case-Contro	l Study		
DESIGN	I: CC			
LOCAT	ION: Europe : UK : England (Clevela	nd County)		
PERIOD	D: 1963-72 (deaths), 1973 living sa	ımple		
NOI	AGE RANGE: 35+			
POPULATION	RACE: No restriction			
	OTHER DETAILS: -			
CASES	NUMBER:	616 men and 15	0 women	
CAS	HISTOLOGICAL CONFIRMATION	Not required		
	PROXY INTERVIEWS:	100%		
	OTHER DETAILS:	79% (men) and listed in death r	75% (women) of all deaths egisters	
LS	NUMBER: 2563	men and 2958 wor	nen	
CONTROLS	TYPE: Living population, random sample of households			
NO	MATCHING FACTORS: None			
O	PROXY INTERVIEWS: One memb	er of each househo	old answered for all residents	
	OTHER DETAILS: -			
ASPECT	ΓS OF CIG TYPE: Filter/p	lain		
DATA E	BY HISTOLOGICAL TYPE: No			
CONFO	UNDING VARIABLES: Age, ar	nount smoked, inh	alation	
	COMMENTS: Results for curr e to difference in timing of population.	ent smoking not us	sed as subject to excessive "tim	ne
REFERE	ENCES: Dean <u>et al</u> (1977) with s	upplement		
Men Women	ΓS nabits in 1969 - adjusted for age - adjusted for age, cigs/day - adjusted for age, inhalation - adjusted for age, cigs/day, inhalation - adjusted for age - adjusted for age - adjusted for age, cigs/day - adjusted for age, inhalation - adjusted for age, inhalation - adjusted for age, cigs/day, inhalation upplement Table 10, CI estimated from number	Plain (base) 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	Filter 0.52(0.38-0.71) 0.54(0.40-0.73) 0.55(0.41-0.74) 0.54(0.40-0.73) 0.69(0.43-1.12) 0.68(0.42-1.11) 0.86(0.53-1.40) 0.82(0.50-1.33)	
			Continued	

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STUDY REF: DEAN 2 (Continued)

	n smoking habits (1954-1969) d to subjects not changing cigs/day)	Always plain (base)	Switched to filter	Always filter
Men	adjusted for ageadjusted for age, cigs/day	1.00 1.00	0.57(0.41-0.79) 0.59(0.43-0.82)	0.32(0.19-0.54) 0.35(0.21-0.59)
Women	adjusted for ageadjusted for age, cigs/day	1.00 1.00	0.95(0.56-1.60) 0.98(0.58-1.65)	0.31(0.16-0.62) 0.32(0.16-0.64)

STUDY REF: DOLL 1

NAME:	Multicentre study 1948-52				
DESIGN	ESIGN: CC				
LOCATI	LOCATION: Europe: UK: London, Bristol, Cambridge, Leeds, Newcastle				
PERIOD	PERIOD: 1948-52				
NOL	AGE RANGE: Up to 74				
POPULATION	RACE: No restriction				
POP	OTHER DETAILS: -				
ES	NUMBER: 1357 men and 108 women				
CASES	HISTOLOGICAL CONFIRMATION: 70%				
	PROXY INTERVIEWS: No				
	OTHER DETAILS: -				
FS	NUMBER: 1357 men and 108 women				
CONTROLS	TYPE: Diseases other than cancers related to smoking				
ON	MATCHING FACTORS: Age, sex, hospital, time in hospital				
	PROXY INTERVIEWS: No				
	OTHER DETAILS: -				
ASPECT	S OF CIG TYPE: Filter/plain (only asked of last 523 male and 34 female cases and controls)				
DATA B	SY HISTOLOGICAL TYPE: No				
CONFO	UNDING VARIABLES: None				
OTHER	COMMENTS: Only 3 cases smoked filter cigarettes, results given for men only				
REFERE	ENCES: Doll and Hill (1952), Doll (1954), Doll (1955)				
RESULT					
Men	Never filter (base) Ever filter 1.00 0.18(0.05-0.63)				
Source:	Doll and Hill (1952), Table VIII.				

STUDY REF: HAWTHO

NAME:	West Central Scotland I	Prospective study
DESIGN	: P	
LOCAT	ON: Europe: UK: Scotland	d (occupational groups, Tiree, Paisley)
PERIOD	\ 1), 1970-72 (Tiree), 1974-75 (Paisley) ved until 1977
NO	54	
JLAT	RACE: No re	restriction
CASES POPULATION	OTHER DETAILS: -	
ES	NUMBER:	104 men and < 28 women
CAS	HISTOLOGICAL CONFIR	RMATION: No - death certificates
	PROXY INTERVIEWS:	NA
	OTHER DETAILS:	-
)P.	NUMBER:	11295 men and 7491 women
BASELINE POP.	TYPE:	Attending multiphasic screening clinic
INE	MATCHING FACTORS:	NA
ASEI	PROXY INTERVIEWS:	No
B/	OTHER DETAILS:	-
ASPECT	S OF CIG TYPE:	Filter/plain, hand rolled/manufactured
DATA E	Y HISTOLOGICAL TYPE:	No
CONFO	UNDING VARIABLES:	Age and number smoked
OTHER	COMMENTS:	Overlaps Renfrew/Paisley results of Tang
REFERE	ENCES:	Hawthorne and Fry (1978)
RESULTS Plain (base) Men 1.00 Women 1.00		Filter 0.83(0.53-1.31) 1.29
Manufactured (Men 1.00		(base) Hand rolled 1.94(0.95-3.97)
Source:	Table 10	

STUDY REF: GILLIS

NAME:	NAME: West Central Scotland case-control study		
DESIGN	I: CC		
LOCAT	LOCATION: Europe : UK : Scotland (Glasgow and urban west)		
PERIOD	e: 1976-81		
ION	AGE RANGE:	No restriction	
POPULATION	RACE:	No restriction	
POP	OTHER DETAILS:	-	
	NUMBER:	656 men	
CASES	HISTOLOGICAL C	CONFIRMATION: 77%	
	PROXY INTERVIE	EWS: No	
	OTHER DETAILS:	-	
Γ S	NUMBER:	1312 men	
IRO	TYPE: No major tobacco related disease		
NUMBER: 1312 men TYPE: No major tobacco related disease MATCHING FACTORS: Age, date and place of interview		of interview	
	PROXY INTERVIEWS: No		
	OTHER DETAILS: -		
ASPECT	S OF CIG TYPE:	Tar level	
DATA E	BY HISTOLOGICAL	TYPE: No	
CONFO	UNDING VARIABL	ES: Number cigs/day	
OTHER	OTHER COMMENTS: Part of Lubin study. Results for < 17 mg and 17-22 mg tar combined as little data for < 17 mg; results for 23-28 mg and > 28 mg tar combined as little data for 28 mg +.		
REFERE	ENCES:	Gillis <u>et al</u> (1988)	
RESULT	$\Gamma \mathbf{S}$	_	
		23 mg + (base)	Γar level - 22 mg
1-14/day		1.00	0.78(0.37-1.62)
15-24/da	-	1.00	0.54(0.33-0.87)
25-34/da 34+/day	У	1.00 1.00	1.24(0.56-2.75) 1.11(0.45-2.71)
	nadjusted)	1.00	0.73(0.52-1.01)
Total (ad	ljusted for cigs/day)	1.00	0.74(0.53-1.03)
Source :	Table 5		

STUDY REF: MIGRAN

NAME:	British part of US/UK/N	orway migrant study		
DESIGN	I: P			
LOCAT	ION: Europe : UK : Nationwi	de		
PERIOD	: 1964-65 followed until	977		
NO	AGE RANGE: 30+			
CASES POPULATION	RACE: No res	striction		
POP	OTHER DETAILS: -			
ES	NUMBER:	136 men and 2	23 women current cig smokers	
CAS	HISTOLOGICAL CONFIRM	IATION: No - death cer	tificates	
	PROXY INTERVIEWS:	NA		
	OTHER DETAILS:	-		
P.	NUMBER:	3661 men and 2727 we	omen current cig smokers	
BASELINE POP.	TYPE: See below			
INE	MATCHING FACTORS:	NA		
SEL	PROXY INTERVIEWS:	No		
BA			ulation (Scotland oversampled x4) nigrants to the US	
ASPECT	S OF CIG TYPE:	Filter/plain, hand rolled	/manufactured	
DATA E	BY HISTOLOGICAL TYPE:	No		
CONFO	UNDING VARIABLES:	Age, number smoked, in	halation, age starting	
OTHER	COMMENTS:	Todd only gives results	for males and population sample	
REFERE	ENCES:	Todd <u>et al</u> (1978), Lee (1	1979), Lee and Garfinkel (1981)	
RESULT	TS .			
Males	- adjusted for age and	Plain (base) 1.00	Filter 1.16(0.78-1.73)	
	number smoked only - adjusted for inhalation and		,	
	age of starting also	1.00	1.13(0.75-1.70)	
Females	 adjusted for age and number smoked only 	1.00	1.00(0.42-2.38)	
	- adjusted for inhalation and age of starting also	1.00	0.92(0.38-2.23)	
Source:	Lee (1979) Table 18			
			Continued	

Ever Man. Hand hand only rolled (base) rolled Mixed only 1.67(1.11-2.51) 1.65(0.87-3.13) 1.73(1.07-2.81) 1.00

Males - adjusted for age and

number smoked Source : Lee (1979) Table 18

STUDY REF: RIMING

NAME: Mass radiography follow up study				
DESIGN	DESIGN: P			
LOCATI	ION: Europe : UK : England	(Manchester and C	Cheshire)	
PERIOD): 1970-1971 followed ui	ntil 1976		
ION	AGE RANGE: 40+			
ULAT	AGE RANGE: 40+ RACE: No restriction OTHER DETAILS: -			
POPI	OTHER DETAILS: -			
ES	NUMBER:	104 me	en (among cigarette smokers)	
CASES	HISTOLOGICAL CONFIRMATION: Not required			
	PROXY INTERVIEWS:	NA		
	OTHER DETAILS:	-		
Р.	NUMBER:	10414 men		
PO	TYPE: Volunteers for mass radiography examinations		liography examinations	
INE	MATCHING FACTORS:	NA		
BASELINE POP	PROXY INTERVIEWS:	No		
BA	OTHER DETAILS:	-		
ASPECT	TS OF CIG TYPE:	Filter/plain		
DATA E	BY HISTOLOGICAL TYPE:	No		
CONFO	UNDING VARIABLES:	Number smoked,	age	
OTHER	COMMENTS: -			
REFERE	ENCES:	Rimington (1981)	
RESULTS				
1-9/day		Plain (base) 1.00	Filter 0.44(0.08-2.40)	
10-19/day	ay .	1.00	0.68(0.35-1.31)	
20+/day		1.00	0.60(0.36-1.00)	
	ljusted for age only)	1.00	0.65(0.44-0.96)	
Total (ad	ljusted for age and cigs/day)	1.00	0.62(0.42-0.91)	
Source : Table 1				

STUDY REF: TANG

NAME:	Study of fou British cohor	A. BUPA B. Whitehall C. Renfrew/Paisley D. UK heart disease prevention project	
DESIGN	V: P		
LOCAT	ION: Europe: UK	A,B. London C. Scotland D. England & Wales	
PERIOD	D: A. 1975-82 B	1967-70 C. 1972-76 D. 1971-73 followed for 13 years on average	
NOI	AGE RANGE:	A. 35-64 B. 36-78 C. 45-64 D. 40-60	
POPULATION	RACE:	No restriction	
POPI	OTHER DETAIL	E: A. Professional and business men C. Residents D. Factory workers B. Civil servants	
Щ S	NUMBER:	836 men	
CASES	HISTOLOGICAL	CONFIRMATION: No - death certificates	
	PROXY INTERV	EWS: NA	
	OTHER DETAIL	- : -	
)P.	NUMBER:	A. 21398 B. 19167 C. 6591 D. 9099 men. Total 56255	
BASELINE POP	TYPE:	NA	
	MATCHING FA	CTORS: NA	
\SEI	PROXY INTERV	EWS: No	
OTHER DETAILS: -			
ASPECT	TS OF CIG TYPE:	Filter/plain, tar yield	
DATA E	BY HISTOLOGICA	L TYPE: No	
CONFO	UNDING VARIAE	LES: Age, study, number/day	
OTHER	OTHER COMMENTS: Some overlap with results from BENSHL (Whitehall) and HAWTHO (West Central Scotland)		
REFERI	ENCES:	Tang et al (1995)	
RESULT	ΓS		
1-10 cigs	s/day	Plain (base) Filter 1.00 0.99(0.47-2.12)	
11-20 ci		1.00 0.55(0.47-2.12) 1.00 1.01(0.73-1.39)	
> 20 cigs	· ·	1.00 0.87(0.61-1.22)	
Total (ac Source :	ljusted cigs/day) Table 4	1.00 0.94(0.75-1.18)	
	mortality per 15 m er mg increase in ta	decrease in tar yield 0.75(0.52-1.09) yield 1.02(0.99-1.04)	
Source:			

APPENDIX B

References to the 54 studies

|--|

Japan

Japan

Singapore

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Notani PN, Rao DN, Sirsat MV, Sanghvi LD. A study of lung cancer in relation to bidi smoking in different religious communities in Bombay. *Indian J Cancer* 1977;**14**:115-21.

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HIRAYA

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