

Table 2.5. Cohort studies of asbestos and cancer of the pharynx and larynx

Citation Label	CanType	LICD	UICD	ExpGrad	ExpCat	Total Cohort	Obs Cases	Exp Cases	RR	LCL	UCL	Cover %
Armstrong88 (men)	"upper aerodigestive" (oral, pharyngeal	140-149	160	1	any	6505	5		0.85	0.36	2.05	95
Reid04 (men)	"upper aerodigestive" (larynx, oral, phar	140-149	160-161	1	any	5685	37	15.00	2.51	1.82	3.46	95
Reid04 (men, incidence)	pharynx	C09.0	C14.8	1	any	5685	16	9.00	1.88	1.15	3.07	95
Piolatto90 (men)	"Oro-Pharyngeal" "oral"?	140	149	1	any	1058	6	2.60	2.30			p>0.05
Piolatto90 (men)	"Oro-Pharyngeal" "oral"?	140	149	5	duration >20 yrs	1058	0	0.90				p>0.05
Sluis-Cremer92 (men)	Lip, oral cavity, & pharynx	140	149	1	any	7317	10	5.30	2.14	1.03	3.94	95
Selikoff79 (male insulators starting 1943-1962)	"Larynx, pharynx, buccal cavity" ?	140-148	161	1	any	632	6	2.80	2.14			
Selikoff79 (male insulators starting 1943-1962)	"Larynx, pharynx, buccal cavity" ?	140-148	161	33	From 1st expo >35yrs	632	2	1.90	1.05			
Selikoff91 (male members insulation unions 1967)	"Oropharynx" ?	140	149	1	any	17800	48	22.02	2.18			p<0.001
Pira05 (men + women)	"Oral and pharyngeal"	140	149	1	any	1966	7		2.26	0.90	4.65	95
Pira05 (men + women)	"Oral and pharyngeal"	140	149	7	duration >10 yrs	1966	1		1.33			p>0.05
Raffn89 (men, incidence)	"Buccal cavity, pharynx"	140	148	1	any	7996	13	16.44	0.79	0.42	1.35	95
Giaroli94 (men)	"mouth and pharynx" ?	140	149	1	any	3341	0	2.18	0.00	0.00	1.37	90
Hughes87 (men)	"Buccal / pharynx"	140	149	1	any	5492	11	12.20	0.90			p<0.05
Parnes90 (men)	"Buccal cavity and pharynx" ?	140	148	1	any	2057	3	1.69	1.83			
Enterline87 (men)	"Buccal cavity and pharynx"	140	148	1	any	1074	5	3.60	1.39			p>0.05
Berry00 (male factory workers)	"buccal cavity and pharynx"	140	148	1	any	3000	5	2.30	2.17			
Berry00 (male factory workers)	"buccal cavity and pharynx"	140	148	30	severe & >2yrs	3000	1	0.50	2.00			
Berry00 (male insulators)	"buccal cavity and pharynx"	140	148	1	any	1400	0	0.42				
Berry00 (female factory workers)	"buccal cavity and pharynx"	140	148	1	any	700	0	0.52				
Battista99 (men)	"mouth and pharynx" ?	140	149	1	any	734	3	1.13	2.65	0.72	6.86	90
Puntoni01 (men)	"Oro-Pharynx"	140	149	1	any	3984	16	16.40	0.97	0.56	1.58	95
Germani99 (women with asbestosis)	Larynx	161	161	1	any	631	1		8.09	0.21	45.08	95
Karjalainen99 (men with asbestosis, incidence)	Larynx	161	161	1	any	1287	5		4.20	1.40	9.80	95
disease)	Larynx	161	161	1	any	4708	1		0.50	0.00	2.70	95
Karjalainen99 (women with asbestosis)	Larynx	161	161	1	any	89	0	0.10				
pleural disease)	Larynx	161	161	1	any	179	0	0.00				
SzesDab02 (men with asbestosis)	Larynx	161	161	1	any	902	1	0.43				95
Armstrong88 (men)	larynx	161	161	1	any	6505	2		0.68	0.17	2.74	95
Reid04 (men, incidence)	larynx	C32.0	C32.9	1	any	5685	19	10.00	1.82	1.16	2.85	95
Liddell97 (men)	Larynx	161	161	1	any	8900	36		1.11			
Liddell97 (men)	Larynx	161	161	19	cum expo (mpcf.y) >300	7700	6	~4.3	1.40			
Meurman94 (men, incidence)	Larynx	161	161	1	any	736	4		1.75	0.48	4.47	95
Meurman94 (men, incidence)	Larynx	161	161	26	heavy	736	3		1.95	0.40	5.69	95
Meurman94 (men, incidence)	Larynx	161	161	20	heavy & >5yrs	212	2		3.60	0.44	13.00	95
Piolatto90 (men)	Larynx	161	161	1	any	1058	8	3.00	2.67			p<0.05
Piolatto90 (men)	Larynx	161	161	5	duration >20 yrs	1058	5	1.10	4.60			?
Piolatto90 (men)	Larynx	161	161	12	cum expo (fiber-yrs) >400	1058	5	1.30	3.85			p=0.05
Sluis-Cremer92 (men)	Larynx	161	161	1	any	7317	5	2.30	1.86	0.60	4.34	95

Table 2.5. Cohort studies of asbestos and cancer of the pharynx and larynx

Citation Label	CanType	LICD	UICD	ExpGrad	ExpCat	Total Cohort	Obs Cases	Exp Cases	RR	LCL	UCL	Cover %
Selikoff91 (male members insulation unions 1967)	Larynx	161	161	1	any	17800	18	10.57	1.70			p<0.05
Levin98 (white men)	pharynx & buccal cavity	140	149	1	any	753	1	0.9	1.07	0.03	5.95	
Levin98 (white men)	larynx	161	161	1	any	753	1	0.5	2.21	0.06	12.29	
Pira05 (men + women)	Larynx	161	161	1	any	1966	7		2.38	0.95	4.90	95
Pira05 (men + women)	Larynx	161	161	7	duration >10 yrs	1966	1		1.38			p>0.05
Peto85 (men)	Larynx	161	161	1	any	3211	4	2.58	1.55			p>0.05
Peto85 (men)	Larynx	161	161	27	duration >10 yrs, >20 yrs since 1s	3211	0	0.45				
Peto85 (women)	Larynx	161	161	1	any	283	0	0.06				
Dement94 (men + women)	Larynx	161	161	1	any	3022	4		1.55	0.53	3.55	90
Raffn89 (men, incidence)	Larynx	161	161	1	any	7996	14	8.44	1.66	0.91	2.78	95
Raffn89 (men, incidence)	Larynx	161	161	14	duration >5 yrs	1884	6	2.64	2.27	0.83	4.95	95
Raffn89 (men, incidence)	Larynx	161	161	14	first employed 1928-1940	269	5	0.91	5.50	1.77	12.82	95
Giardi94 (men)	Larynx	161	161	1	any	3341	2	2.43	0.82	0.15	2.59	90
Botta91 (men)	larynx ?	161	161	1	any	2608	5	7.10	0.70	0.23	1.64	95
Botta91 (women)	larynx ?	161	161	1	any	759	0	0.10				
Smailyte04 (men, incidence)	Larynx	161	161	1	any	1285	7		1.40	0.70	2.90	95
Smailyte04 (men, incidence)	Larynx	161	161	7	duration >10 yrs	1285	2		1.30	0.40	5.70	95
Smailyte04 (men, incidence)	Larynx	161	161	21	from 1st expo (>24 yrs)	1285	3		1.40			
Gardner86 (men + women)	Larynx	161	161	1	any	2090	1	1.1	0.91			
Hughes87 (men)	Larynx	161	161	1	any	5492	3	5.40	0.56			p<0.05
Finkelstein04 (men)	Larynx	161	161	1	any	1314	3		11.90			p<0.05
Finkelstein04 (men)	Larynx	161	161	5	duration >20 yrs	1314	3		8.54			p<0.05
Berry94 (men)	Larynx	161	161	1	any	9104	6		0.64	0.23	1.39	95.00
Parnes90 (men)	Larynx	161	161	1	any	2057	3	0.77	4.03			
Parnes90 (men)	Larynx	161	161	14	duration >5 yrs	2057	1	0.45	2.24			
Berry00 (male factory workers)	Larynx	161	161	1	any	3000	3	1.46	2.05			
Berry00 (male factory workers)	Larynx	161	161	30	severe & >2yrs	3000	1	0.33	3.03			
Berry00 (male insulators)	Larynx	161	161	1	any	1400	0	0.24				
Berry00 (female factory workers)	Larynx	161	161	1	any	700	0	0.14				
Seidman86 (male producers of shipyard insulation)	"Larynx, buccal, pharynx" ?	140-149	161	1	any	820	7	3.65	1.92			p>0.05
Enterline87 (men)	Larynx	161	161	1	any	1074	2	1.75	1.14			p>0.05
Finkelstein04 (men)	laryngeal ?	161	161	1	any (with 20 yrs latency)	24500	14		1.32	0.72	2.21	95
Tola88 (men, incidence)	Larynx	161	161	1	any	7775	24	20.00	1.20	0.77	1.79	95
Tola88 (men, incidence)	Larynx	161	161	15	shipyard pipefitters	608	2	1.60	1.25	0.15	4.52	95
Battista99 (men)	Larynx	161	161	1	any	734	5	2.08	2.40	0.95	5.05	90
Puntoni01 (men)	Larynx	161	161	1	any	3984	32	19.75	1.64	1.12	2.32	95
Puntoni01 (men)	Larynx	161	161	16	duration >25 yrs	3984	18		1.96			p<0.05
Puntoni01 (men)	Larynx	161	161	17	from 1st expo (>40 yrs)	3984	17		2.20			p>0.05
Puntoni01 (men)	Larynx	161	161	18	insulator	82	3		8.52			p<0.05
Puntoni01 (men)	Larynx	161	161	39	first employed 1940 or earlier	3984	22		2.36			p<0.05