

Table 2.5. Case-control studies of chewing betel quid and cancer of the oral cavity published after IARC (1985)

Reference, study location and period	Sex, consumption of alcohol	Odds Ratios from studies				Comments (synergistic effects)
		none	chewing (A)	smoking (B)	chewing+smoking (C)	
Without tobacco						
Znaor <i>et al</i> (2003) Chennai and Trivandrum, India 1993-1999	men, alcohol drinking	2.6	4.4	4.8	8.1	
	men, non- alcohol drinking	1.0	3.4	2.5	4.8	
Ko <i>et al</i> (1995) Kaohsiung Taiwan 1992-1993	men, alcohol drinking	10.2	54.0	22.3	122.8	No test provided for interaction
	men, non- alcohol drinking	1.0	28.2	18.0	89.1	
With tobacco						
Nandakumar <i>et al.</i> (1990) Bangalore, India, 1982-84	men	1.0	10.2	3.5	9.2	No test provided for interaction
Sankaranarayanan <i>et al</i> (1989a) Trivandrum, Kerala, India 1983-84	men	1.0	11.8	4.2	16.5	p<0,05†
Sankaranarayanan <i>et al</i> (1990a) Trivandrum, Kerala, India 1983-84	men	1.0	14.3	4.2	21.5	p<0,05†
Sankaranarayanan <i>et al</i> (1989b) Trivandrum, Kerala, India 1983-84 (tongue, floor of mouth)	men	1.0	6.1	5.0	7.0	p<0,01†
Rao <i>et al</i> (1994) Mumbai, India 1980-84	men, alcohol drinking	1.3	4.3	2.4	8.9	No test provided for interaction
	men, non- alcohol drinking	1.0	3.6	1.7	2.9	
Balaram <i>et al</i> (2002) Southern, India 1996-1999	men	1.0	9.2	3.7	6.7	No multiplicative interaction observed**

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		none	chewing (A)	smoking (B)	chewing+smoking (C)	
<i>Znaor et al</i> (2003) Chennai, India 1993-1999	men, alcohol drinking	2.6	24.3	4.8	16.3	p<0,01 **
	men, non- alcohol drinking	1.0	9.3	2.5	8.5	p<0,01 **
Dikshit and Kanhere (2000) Bhopal, India	men	1.0	10.6	4.9	16.3	Multiplicative non significant at 5% level**
Cancer since 2004						
<i>Thomas et al</i> (2007) Papua New Guinea 1985-87	men (102/143)	1.0	1.8	1.8	4.9	No test provided
<i>Subapriya et al</i> (2007) Tamil Nadu, India 1991-2003	alcohol drinking	3.9	4.2	8.3	11.3	No test provided
	non- alcohol drinking	1.0	4.1	7.5	3.9	
<i>Muwonge et al</i> (2008) Trivandrum, India	men, alcohol drinking	1.2	6.4	2.6	4.8	No test provided for interaction
	men, non- alcohol drinking	1.0	4.8	1.3	5.5	
<i>Yen et al.</i> (2008b) Taichung, Taiwan	men, alcohol drinking	1.0	16.1	9.0	39.7	No test provided for interaction
	men, non- alcohol drinking	1.0	11.0	4.7	21.8	

** represent p- values from statistical test for interaction

† indicate p- values of interaction, statistical method not described