## This is a Post-Referee Draft. For the final version please consult:

LeHew CW, Weatherspoon DJ, Peterson CE, et al. The Health System and Policy Implications of Changing Epidemiology for Oral Cavity and Oropharyngeal Cancers in the United States From 1995 to 2016. *Epidemiol Rev.* April 2017:1-16. doi:10.1093/epirev/mxw001.

First Author, Year <sup>Reference #</sup>	Study Period	No. of	Sample Size		Findings			Comments
		Studies	No. cases	No. controls	Cancer Site (Exposure)	OR	95% CI	
					<u>Alcohol</u>			
Turati, 2010 <sup>38</sup>	Up to	17	1,491	N/A	P (Heavy drinkers)	6.62 <sup>a,c</sup>	4.72, 9.29	Increased odds by site
	September	6	293	N/A	T (Heavy drinkers)	4.11 <sup>a,c</sup>	2.46, 6.87	
	2009	4	280	N/A	OPC (Heavy drinkers)	7.76 <sup>a,c</sup>	4.77, 12.62	
Tramacere, 2010 <sup>48</sup>	Up to	45	17,085	N/A	OCPC (Light drinkers)	1.21 <sup>b,c</sup>	1.10, 1.33	Increased odds
	September				OCPC (Heavy drinkers)	5.24 <sup>b,c</sup>	4.36, 6.30	
	2009							
					<u>Coffee</u>			
Turati, 2011 <sup>49</sup>	Up to	9	2,633	N/A	OCP	0.64 <sup>a,c</sup>	0.51, 0.80	Reduced odds
	October 2009							
					<u>Diet</u>			
Xu, 2014 <sup>40</sup>	January	13	4,104	N/A	OCPC (Processed meat)	1.91 <sup>a,c</sup>	1.19, 3.06	Increased odds
	1966- May							
	2013							
Hobbs, 2006 <sup>46</sup>					<u>HPV</u>			
	Inception to	5	383	1,816	OPC	4.3 <sup>b</sup>	2.1, 8.9	Increased odds by site
	February	8	217	163	т	15.1 <sup>b</sup>	6.8, 33.7	
	2004							
					Smoking Tobacco			
Ansary-	By January	24	14,934	N/A	OPC (Smoking)	3.41 <sup>a,c</sup>	2.74, 4.24	Increased odds with intensit
Moghaddam, 2009 <sup>50</sup>	2007				OPC (<20 CPD)	1.61 <sup>a,c</sup>	0.90, 2.88	of exposure and alcohol
					OPC (≥20 CPD)	3.12 <sup>a,c</sup>	1.78, 5.47	
					OPC (Smoking nondrinkers)	2.62 <sup>a,c</sup>	2.01, 3.41	
					OPC (Smoking drinkers)	8.07 <sup>a,c</sup>	5.28, 12.40	
					<u>Smokeless Tobacco</u>			
Rodu, 2002 <sup>47</sup>	1957-1998 <sup>d</sup>	3	169	472	P (SLT-unspecified)	2.3 <sup>b,c</sup>	1.2, 4.4	Increased odds: site and SLT
		3	298	947	OPC (DS)	4.0 <sup>b,c</sup>	2.7, 5.9	material specific
		3	655	2,718	OPC (SLT-unspecified)	1.5 <sup>b,c</sup>	1.1, 2.0	
		2	362	457	OPL (CT)	1.7 <sup>b,c</sup>	1.2, 2.4	
		1	93	393	OPL (DS)	13.0 <sup>b,c</sup>	8.0, 20.0	

**Table 2.** Significant Risk Factors for Oropharyngeal Cancers: Meta-analyses Published Between January 1, 1995 and March 22, 2016.

Abbreviations: N/A, not available from published report; P, pharynx; T, tonsil; OPC, oropharyngeal; OCPC, oral cavity/pharynx; HPV, Human Papilloma Virus; CPD, cigarettes per day; SLT, smokeless tobacco; DS, dry snuff; OPL, oral cavity, pharynx, larynx; CT, chewing tobacco; <sup>a</sup> adjusted <sup>b</sup> adjustments unclear <sup>c</sup> relative risks <sup>d</sup> years of publications of used studies