

## **Supplementary Tables**

Supplementary Table 1: Demographic Factors Associated with the Top 3 Flavor Types Used with Smokeless Tobacco in the Past 30 Days among Past 30-day Users of Flavored Smokeless Tobacco, by Specific Flavor (n=906)

Supplementary Table 2: Demographic Factors Associated with the Top 3 Flavor Types Used with Hookah in the Past 30 Days among Past 30-day Users of Flavored Hookah, by Specific Flavor (n=1,118)

Supplementary Table 1: Demographic Factors Associated with the Top 3 Flavor Types Used with Smokeless Tobacco in the Past 30 Days among Past 30-day Users of Flavored Smokeless Tobacco, by Specific Flavor (n=906)

	Menthol/Mint Flavor**			Clove/Spice/Herb Flavor**			Fruit Flavor**		
	n	% (95% CI)	<i>p</i> ‡	n	% (95% CI)	<i>p</i> ‡	n	% (95% CI)	<i>p</i> ‡
<b>Overall</b>	692	76.9 (73.1-80.3)		114	12.3 (9.9-15.3)		106	10.8 (8.5-13.6)	
<b>Gender</b>			0.562			¶			¶
Male	643	76.6 (72.6-80.1)		109	12.8 (10.2-15.9)		94	10.9 (8.5-13.8)	
Female	41	80.7 (64.7-90.4)		5	†		12	†	
<b>Age group (years)</b>			0.156			¶			¶
18-24	193	80.6 (72.4-86.7)		16	7.7 (4.3-13.4)		32	13.9 (9.0-20.8)	
25-29	96	82.0 (72.8-88.6)		16	14.4 (8.3-23.9)		18	12.9 (7.6-21.2)	
30-44	195	75.2 (68.0-81.3)		35	13.7 (9.1-20.0)		26	7.7 (4.8-12.2)	
45-64	161	73.4 (65.8-79.8)		34	14.7 (10.1-20.9)		22	9.4 (5.5-15.6)	
65+	44	59.5 (44.2-73.2)		12	†		8	†	
<b>Race/Ethnicity</b>			0.671			¶			¶
White, Non-Hispanic	548	77.1 (73.1-80.7)		97	12.3 (9.7-15.5)		84	11.0 (8.5-14.2)	
Black, Non-Hispanic	24	65.1 (39.9-84.0)		5	†		3	†	
Hispanic	61	81.7 (67.8-90.5)		7	†		11	†	
Other, Non-Hispanic*	44	75.0 (57.3-87.0)		5	†		7	†	
<b>Annual Household Income (\$)</b>			0.400			¶			¶
< 20,000	45	69.5 (53.9-81.7)		5	†		19	22.8 (12.9-37.1)	
20,000–49,999	191	81.9 (75.0-87.2)		28	11.6 (7.3-17.7)		25	9.7 (6.0-15.2)	
50,000–99,999	166	75.3 (67.7-81.6)		27	11.0 (6.9-17.0)		30	13.0 (8.3-19.7)	
≥ 100,000	135	78.4 (68.9-85.6)		21	13.0 (7.9-20.8)		15	†	
Unspecified	155	74.3 (65.3-81.7)		33	14.5 (9.4-21.6)		17	6.3 (3.5-11.3)	
<b>Education</b>			0.687			¶			¶
Less than High School	82	77.1 (65.3-85.7)		14	†		12	†	
High School diploma/GED	219	74.1 (67.4-79.8)		36	12.0 (8.4-16.9)		38	13.2 (8.9-18.9)	
Some College	233	78.8 (72.2-84.1)		42	13.7 (9.4-19.6)		32	8.7 (5.6-13.1)	
Bachelor's degree or higher	149	79.2 (71.5-85.2)		21	10.9 (6.8-17.1)		24	11.1 (6.7-17.9)	
<b>U.S. Census Region</b>			0.006			0.189			¶
Northeast	90	78.4 (68.6-85.8)		14	10.9 (6.0-19.0)		23	17.8 (10.6-28.4)	
Midwest	178	80.2 (72.5-86.1)		24	10.0 (6.2-15.6)		28	10.8 (6.8-16.7)	
South	249	71.1 (64.7-76.7)		53	15.3 (11.2-20.7)		36	10.3 (6.9-14.9)	
West	175	86.1 (79.1-91.1)		23	9.0 (5.1-15.3)		19	†	
<b>Sexual Orientation</b>			¶			¶			¶
Heterosexual/Straight	585	76.4 (72.3-80.1)		96	12.2 (9.6-15.3)		92	11.4 (8.9-14.5)	
Lesbian, gay or bisexual	24	†		3	†		3	†	
Unspecified	83	75.8 (63.3-85.0)		15	†		11	†	
<b>Cigarette Smoking Status</b>			0.467			¶			¶
Current Smoker	246	78.0 (71.7-83.2)		39	10.7 (7.2-15.6)		43	12.5 (8.6-17.9)	
Recent Former Smoker	47	84.5 (68.9-93.1)		3	†		10	†	
Long-Term Former Smoker	158	73.1 (65.4-79.5)		37	15.5 (10.7-22.0)		23	9.4 (5.6-15.3)	
Never Smoker	233	76.7 (69.2-82.8)		34	12.8 (8.5-18.8)		29	9.0 (5.7-13.9)	

GED=General Education Development Certificate; n=unweighted number of specific flavor users

\* Other, Non-Hispanic includes Asian, Non-Hispanic; Native Hawaiian or Other Pacific Islander, Non-Hispanic; American Indian or Alaska Native, Non-Hispanic; Multiracial, Non-Hispanic and Other race, Non-Hispanic

† the relative SE was  $\geq 30\%$  or denominator less than 50

‡ P-value based on Satterthwaite-adjusted Wald chi-square

¶ P-value not presented due to unstable estimates for one or more demographic groups.

\*\*Flavored smokeless tobacco users were allowed to report the use of more than one flavor thus, proportions of specific flavor used may add to more than 100%.

Supplementary Table 2: Demographic Factors Associated with the Top 3 Flavor Types Used with Hookah in the Past 30 Days among Past 30-day Users of Flavored Hookah, by Specific Flavor (n=1,118)

	Fruit Flavor**			Menthol/Mint Flavor**			Candy, chocolate or other sweet Flavor**		
	n	% (95% CI)	p‡	n	% (95% CI)	p‡	n	% (95% CI)	p‡
<b>Overall</b>	852	74.0 (70.4-77.4)		214	18.9 (15.9-22.2)		205	17.4 (14.7-20.6)	
<b>Gender</b>			0.457			0.862			0.881
Male	486	75.4 (70.6-79.7)		124	19.1 (15.2-23.8)		117	17.2 (13.5-21.5)	
Female	357	72.7 (66.8-77.9)		87	18.6 (14.3-23.7)		84	17.6 (13.6-22.5)	
<b>Age group (years)</b>			¶			¶			¶
18-24	480	73.5 (68.6-77.9)		120	18.0 (14.3-22.5)		121	17.3 (13.8-21.5)	
25-29	195	73.1 (64.8-80.1)		53	22.6 (16.4-30.2)		45	21.7 (15.4-29.8)	
30-44	150	78.2 (69.5-84.9)		34	17.8 (11.7-26.0)		31	12.8 (8.3-19.3)	
45-64	25	†		6	†		6	†	
65+	1	†		0	†		1	†	
<b>Race/Ethnicity</b>			0.139			0.200			0.382
White, Non-Hispanic	500	78.6 (74.2-82.4)		115	17.7 (14.1-21.9)		110	16.4 (13.0-20.5)	
Black, Non-Hispanic	104	72.2 (61.5-80.8)		24	13.5 (8.6-20.4)		30	24.6 (16.4-35.2)	
Hispanic	95	64.6 (52.8-74.9)		28	24.5 (15.5-36.5)		28	16.8 (10.4-25.8)	
Other, Non-Hispanic*	144	73.1 (64.2-80.5)		47	22.7 (15.8-31.4)		33	15.3 (9.9-22.9)	
<b>Annual Household Income (\$)</b>			0.560			¶			0.726
< 20,000	72	78.0 (61.2-88.8)		16	†		20	20.9 (11.8-34.3)	
20,000–49,999	249	73.6 (66.7-79.6)		74	20.5 (15.4-26.7)		54	14.6 (10.2-20.5)	
50,000–99,999	219	77.5 (71.2-82.8)		55	18.4 (13.6-24.5)		55	17.4 (12.9-23.0)	
≥ 100,000	115	67.1 (56.0-76.5)		24	19.5 (11.9-30.3)		26	19.5 (12.0-30.0)	
Unspecified	197	74.0 (66.0-80.6)		45	18.3 (12.3-26.4)		50	18.8 (13.2-26.1)	
<b>Education</b>			0.337			¶			¶
Less than High School	47	73.3 (57.3-84.9)		4	†		10	†	
High School diploma/GED	238	70.6 (63.7-76.6)		69	21.9 (16.5-28.5)		71	20.1 (15.1-26.3)	
Some College	296	74.7 (68.7-80.0)		71	17.6 (13.5-22.7)		68	17.5 (13.1-23.0)	
Bachelor's degree or higher	261	79.9 (73.4-85.1)		68	21.1 (15.9-27.3)		52	14.0 (10.0-19.4)	
<b>U.S. Census Region</b>			0.687			0.010			0.682
Northeast	178	71.8 (62.8-79.4)		57	31.6 (22.9-41.7)		34	14.5 (8.9-22.7)	
Midwest	155	75.2 (66.0-82.6)		34	14.6 (9.4-22.0)		42	20.5 (14.1-29.0)	
South	264	72.4 (66.0-78.1)		65	16.1 (12.1-21.0)		70	17.5 (13.3-22.7)	
West	255	77.1 (70.3-82.7)		58	15.7 (11.7-20.8)		59	17.5 (12.6-24.0)	
<b>Sexual Orientation</b>			0.541			¶			0.690
Heterosexual/Straight	649	73.5 (69.2-77.3)		165	18.9 (15.6-22.6)		143	17.1 (13.9-20.9)	
Lesbian, gay or bisexual	94	72.0 (59.5-81.9)		31	22.9 (15.2-33.1)		31	20.8 (13.4-30.8)	
Unspecified	109	78.9 (68.7-86.4)		18	†		31	16.1 (10.2-24.5)	
<b>Cigarette Smoking Status</b>			0.650			¶			¶
Current Smoker	289	75.0 (68.6-80.5)		58	13.5 (9.8-18.4)		77	16.8 (12.6-22.2)	
Recent Former Smoker	47	80.9 (67.1-89.7)		16	15.3 (8.4-26.2)		12	†	
Long-Term Former Smoker	49	71.4 (52.4-85.0)		12	†		17	32.6 (18.5-50.9)	
Never Smoker	458	72.6 (67.4-77.2)		127	24.0 (19.5-29.3)		98	16.4 (12.8-20.8)	

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