

Supplemental Table 1. Cessation outcomes by site.

Site 1: Iowa City, IA			
Outcome	Pre-Intervention	Intervention	Adjusted <sup>†</sup> OR (95% CI)
<b>3-Months, %</b>	<b>N=97</b>	<b>N=97</b>	
7-day PPA	14.4	13.4	0.92 (0.43-1.98)
30-day PPA	10.3	10.3	0.95 (0.46-1.96)
Any 24-hour quit attempt	55.7	54.6	1.09 (0.65-1.84)
Cigarettes per day, mean (SD) <sup>‡</sup>	n=62 15.2 (9.9)	n=66 15.5 (8.7)	Diff: -0.40 (-3.30-2.51)
<b>6-Months, %</b>	<b>N=95</b>	<b>N=94</b>	
7-day PPA	14.7	12.8	0.90 (0.49-1.65)
30-day PPA	10.5	8.5	0.78 (0.36-1.67)
Repeated PPA 7 days	8.4	8.5	1.03 (0.36-2.95)
Repeated PPA 30 days	5.3	6.4	1.23 (0.35-4.33)
Any 24-hour quit attempt	67.4	62.8	0.91 (0.52-1.57)
Cigarettes per day, mean (SD) <sup>‡</sup>	n=62, 14.3 (17.7)	n=64, 15.2 (9.4)	Diff: -0.36 (-4.86-4.15)

PPA = Point prevalence abstinence

\*Based on penalized imputation in which participants with missing values at follow-up are assumed to be smoking. Participants who were deceased at the time of follow-up not included.

<sup>†</sup>Models include adjustment for the following covariates (obtained during the baseline interview): total number of quit attempts lasting  $\geq 24$  hours, alcohol intake, self-rated health, and depressive symptoms as measured by the Hospital Anxiety and Depression Scale (< 8 vs. 8+).

<sup>‡</sup>Based on complete case analysis.

Supplemental Table 1. Cessation outcomes by site, continued.

<b>Site 2: Minneapolis, MN</b>			
<b>Outcome</b>	<b>Pre-Intervention</b>	<b>Intervention</b>	<b>Adjusted† OR (95% CI)</b>
<b>3-Months, %</b>	<b>N=132</b>	<b>N=112</b>	
7-day PPA	15.2	11.6	0.71 (0.32-1.64)
30-day PPA	11.4	8.9	0.79 (0.32-1.98)
Any 24-hour quit attempt	57.6	47.3	0.71 (0.42-1.20)
Cigarettes per day, mean (SD)‡	n=81 12.4 (7.4)	n=76 12.0 (8.1)	Diff: -.01 (-3.34-3.16)
<b>6-Months, %</b>	<b>N=130</b>	<b>N=109</b>	
7-day PPA	10.8	13.8	1.21 (0.53-2.78)
30-day PPA	8.5	10.1	1.25 (0.49-3.19)
Repeated PPA 7 days	7.7	9.2	1.12 (0.40-3.11)
Repeated PPA 30 days	6.9	7.3	1.08 (0.36-3.23)
Any 24-hour quit attempt	66.9	66.1	1.01 (0.59-1.72)
Cigarettes per day, mean (SD)‡	n=75,12.5 (8.1)	n=73,11.7 (8.1)	Diff: 0.99 (-2.27- 4.26)

PPA = Point prevalence abstinence

\*Based on penalized imputation in which participants with missing values at follow-up are assumed to be smoking. Participants who were deceased at the time of follow-up not included.

†Models include adjustment for the following covariates (obtained during the baseline interview): total number of quit attempts lasting  $\geq 24$  hours, alcohol intake, self-rated health, and depressive symptoms as measured by the Hospital Anxiety and Depression Scale (< 8 vs. 8+).

‡Based on complete case analysis.

Supplemental Table 1. Cessation outcomes by site, continued.

<b>Site 3: Omaha, NE</b>			
<b>Outcome</b>	<b>Pre-Intervention</b>	<b>Intervention</b>	<b>Adjusted† OR (95% CI)</b>
<b>3-Months, %</b>	<b>N=142</b>	<b>N=126</b>	
7-day PPA	16.1	15.1	0.91 (0.46-1.83)
30-day PPA	11.9	9.5	0.81 (0.36-1.84)
Any 24-hour quit attempt	55.9	57.1	1.14 (0.66-1.98)
Cigarettes per day, mean (SD)‡	n= 91 11.7 (8.6)	n=83 13.5 (9.1)	Diff: -0.83(-3.50-1.82)
<b>6-Months, %</b>	<b>N=140</b>	<b>N=122</b>	
7-day PPA	15.7	17.2	1.15 (0.56-2.33)
30-day PPA	10.7	11.5	1.06 (0.42-2.67)
Repeated PPA 7 days	7.9	10.7	1.48 (0.62-3.51)
Repeated PPA 30 days	6.4	6.6	1.14 (0.41-3.15)
Any 24-hour quit attempt	67.1	62.3	0.85 (0.51-1.42)
Cigarettes per day, mean (SD)‡	n=80, 12.6 (8.1)	n=70,13.1 (8.5)	Diff: -.99 (-3.90-1.91)

PPA = Point prevalence abstinence

\*Based on penalized imputation in which participants with missing values at follow-up are assumed to be smoking. Participants who were deceased at the time of follow-up not included.

†Models include adjustment for the following covariates (obtained during the baseline interview): total number of quit attempts lasting  $\geq 24$  hours, alcohol intake, self-rated health, and depressive symptoms as measured by the Hospital Anxiety and Depression Scale (< 8 vs. 8+).

‡Based on complete case analysis.

Supplemental Table 1. Cessation outcomes by site, continued.

Site 4: Denver, CO			
Outcome	Pre-Intervention	Intervention	Adjusted† OR (95% CI)
<b>3-Months, %</b>	<b>N=92</b>	<b>N=42</b>	
7-day PPA	16.3	7.1	0.28 (0.06-1.33)
30-day PPA	9.8	2.4	0.23 (0.03-2.01)
Any 24-hour quit attempt	52.2	64.3	1.41 (0.66-3.04)
Cigarettes per day, mean (SD)‡	n=50 11.4 (8.1)	n=33 12.3(8.8)	Diff: 4.09 (-0.66-8.86)
<b>6-Months, %</b>	<b>87</b>	<b>41</b>	
7-day PPA	21.8	12.2	0.41 (0.12-1.39)
30-day PPA	14.9	7.3	0.30 (0.06-1.48)
Repeated PPA 7 days	9.2	2.4	0.28 (0.03-2.56)
Repeated PPA 30 days	3.5	2.4	0.93 (0.08-11.25)
Any 24-hour quit attempt	63.2	78.1	2.00 (0.75-5.31)
Cigarettes per day, mean (SD)‡	n=43,12.4 (10.5)	n=27,13.2 (7.3)	Diff: 3.96 (-0.86-8.78)

PPA = Point prevalence abstinence

\*Based on penalized imputation in which participants with missing values at follow-up are assumed to be smoking. Participants who were deceased by follow-up not included.

†Models include adjustment for the following covariates (obtained during the baseline interview): total number of quit attempts lasting  $\geq 24$  hours, alcohol intake, self-rated health, and depressive symptoms as measured by the Hospital Anxiety and Depression Scale (< 8 vs. 8+).

‡Based on complete case analysis.

Supplemental Table 2. Sensitivity analysis to examine variability in cessation outcomes based on different methods for handling missing data.\*

Outcome	Penalized Imputation <sup>†</sup>	Complete Case	Multiple Imputation
7-day PPA at 3-months	0.78 (0.51, 1.18) N = 803	0.72 (0.47, 1.09) N = 637	0.66 (0.43, 1.00) N = 841
7-day PPA at 6-months	0.92 (0.62, 1.37) N = 780	0.84 (0.56, 1.25) N = 593	0.80 (0.52, 1.23) N = 818
Repeated PPA	1.11 (0.66, 1.86) N = 780	1.01 (0.62, 1.66) N = 561	0.76 (0.46, 1.27) N = 818

\*Adjusted odds ratios and 95% confidence intervals. Models adjusted for number of quit attempts lasting  $\geq 24$  hours at baseline, baseline alcohol intake, self-rated health, and depressive symptoms as measured by the Hospital Anxiety and Depression Scale (HADS-D).

<sup>†</sup>Variables used to impute missing values: study period (pre-intervention vs. post-intervention), cigarettes smoked per day (0-9 vs. 10+), depressive symptoms as measured by the HADS-D (0-7 vs. 8+), self-reported health status (very good or excellent vs. poor, fair, or good), alcohol use in the past 30 days (yes vs. no), and number of prior 24-hour quit attempts at baseline (treated as continuous variable).