

WEB MATERIAL**E-CIGARETTES AND FECUNDABILITY: RESULTS FROM A PROSPECTIVE
PRECONCEPTION COHORT STUDY**

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Table of contents:

Web Table 1	pg. 2
Web Table 2	pg. 3
Web Table 3	pg. 4
Web Table 4	pg. 5
Web Table 5	pg. 6

Web Table 1. Fecundability Ratios by Time-Varying Current, Former and Never E-Cigarette Use and Cigarette Smoking, Pregnancy Study Online, United States and Canada, 2017-2020

Exposure	No. pregnancies	No. cycles	Unadjusted		Adjusted ^a	
			FR	95% CI	FR	95% CI
Current e-cigarette user and current smoker	25	200	0.70	0.46, 1.07	0.82	0.52, 1.27
Current e-cigarette user and former smoker	39	275	0.83	0.61, 1.13	0.92	0.67, 1.25
Current e-cigarette user and never smoker	22	149	0.79	0.51, 1.21	0.87	0.57, 1.32
Former e-cigarette user and current smoker	84	621	0.83	0.66, 1.04	0.98	0.77, 1.24
Former e-cigarette user and former smoker	83	569	0.81	0.65, 1.00	0.89	0.72, 1.10
Former e-cigarette user and never smoker	119	731	0.86	0.72, 1.02	0.89	0.75, 1.07
Never e-cigarette user and current smoker	109	644	0.94	0.78, 1.13	1.01	0.83, 1.24
Never e-cigarette user and former smoker	225	1269	0.99	0.87, 1.13	1.07	0.94, 1.23
Never e-cigarette user and never smoker	1898	10,031	1.00	Referent	1.00	Referent

Abbreviations: CI, confidence interval; FR, fecundability ratio; No., number.

^aAdjusted for age, annual household income, education, pack years smoked, weekly alcohol intake, intercourse frequency, doing anything to improve chances, body mass index, Major Depression Inventory score, multivitamin or supplement use, healthy eating index, parity.

Web Table 2. Fecundability Ratios by Time-Varying E-Cigarette Use Stratified by Pregnancy Attempt Time at Study Entry, Pregnancy Study Online, United States and Canada, 2017-2020

Exposure	No. Pregnancies	No. Cycles	Unadjusted		Adjusted ^a	
			FR	95% CI	FR	95% CI
<3 cycles of attempt time (n=3,027)						
Never e-cigarette user	1,668	8,311	1.00	Referent	1.00	Referent
Ever e-cigarette user	242	1,594	0.78	0.68, 0.89	0.87	0.76, 1.00
Former e-cigarette user	194	1,201	0.81	0.70, 0.94	0.90	0.78, 1.05
Current e-cigarette user	48	393	0.66	0.49, 0.88	0.75	0.56, 1.02
≥3 cycles of attempt time (n=1,559)						
Never e-cigarette user	564	3,633	1.00	Referent	1.00	Referent
Ever e-cigarette user	130	951	0.92	0.77, 1.11	0.93	0.73, 1.17
Former e-cigarette user	92	720	0.88	0.72, 1.08	0.89	0.68, 1.15
Current e-cigarette user	38	231	1.07	0.74, 1.54	1.04	0.69, 1.57
Abbreviations: CI, confidence interval; FR, fecundability ratio; No., number.						
^a Adjusted for age, annual household income, education, baseline smoking status, pack-years of cigarette smoking, weekly alcohol intake, intercourse frequency, doing anything to improve chances, BMI, MDI score, multivitamin or supplement use, healthy eating index, parity						

Web Table 3. Fecundability Ratios by Time-Varying E-Cigarette Use Stratified by Age at Baseline, Pregnancy Study Online, United States and Canada, 2017-2020

Exposure	No. Pregnancies	No. Cycles	Unadjusted		Adjusted ^a	
			FR	95% CI	FR	95% CI
<30 years old (n=2,339)						
Never e-cigarette user	1,142	5,636	1.00	Referent	1.00	Referent
Ever e-cigarette user	201	1,398	0.76	0.66, 0.88	0.83	0.70, 0.98
Former e-cigarette user	155	1,069	0.77	0.65, 0.91	0.84	0.69, 1.02
Current e-cigarette user	46	329	0.71	0.51, 0.99	0.78	0.55, 1.10
≥30 years old (n=2,247)						
Never e-cigarette user	1,090	6,308	1.00	Referent	1.00	Referent
Ever e-cigarette user	171	1,147	0.90	0.76, 1.06	0.92	0.76, 1.12
Former e-cigarette user	131	852	0.81	0.75, 1.10	0.93	0.75, 1.16
Current e-cigarette user	40	295	0.86	0.63, 1.17	0.89	0.64, 1.25
Abbreviations: CI, confidence interval; FR, fecundability ratio; No., number.						
^a Adjusted for age, annual household income, education, baseline smoking status, pack-years of cigarette smoking, weekly alcohol intake, intercourse frequency, doing anything to improve chances, body mass index, Major Depression Inventory score, multivitamin or supplement use, healthy eating index, parity						

Web Table 4. Fecundability Ratios by Baseline and Time-Varying E-Cigarette Use Excluding Zero-Nicotine E-Cigarette Users, Pregnancy Study Online, United States and Canada, 2017-2020

Exposure	No. Pregnancies	No. Cycles	Unadjusted		Adjusted ^a	
			FR	95% CI	FR	95% CI
Baseline e-cigarette use						
Never e-cigarette user	2,238	11,997	1.00	Referent	1.00	Referent
Ever e-cigarette user	352	2,396	0.82	0.74, 0.92	0.88	0.79, 0.99
Former e-cigarette user	289	1,945	0.83	0.74, 0.93	0.89	0.78, 1.01
Current e-cigarette user	63	451	0.80	0.63, 1.00	0.85	0.67, 1.08
mL liquid/day ^b						
<3 mL	28	197	0.78	0.55, 1.11	0.83	0.58, 1.18
≥3 mL	35	254	0.80	0.59, 1.09	0.85	0.62, 1.16
Time-varying e-cigarette use						
Never e-cigarette user	2,232	11,944	1.00	Referent	1.00	Referent
Ever e-cigarette user	358	2,449	0.83	0.74, 0.92	0.88	0.79, 0.99
Former e-cigarette user	286	1,893	0.84	0.75, 0.94	0.90	0.79, 1.01
Current e-cigarette user	72	556	0.78	0.62, 0.97	0.83	0.66, 1.04
Abbreviations: CI, confidence interval; FR, fecundability ratio; mL, Milliliter; No., number.						
^a Adjusted for age, annual household income, education, baseline smoking status, pack-years of cigarette smoking, weekly alcohol intake, intercourse frequency, doing anything to improve chances, body mass index, Major Depression Inventory score, multivitamin or supplement use, healthy eating index, parity						
^b Question on mL liquid/day only asked on baseline questionnaire.						

Web Table 5. Fecundability Ratios by Time-Varying E-Cigarette Use Including only Viable Pregnancies, Pregnancy Study Online, United States and Canada, 2017-2020

Exposure	No. Pregnancies	No. Cycles	Unadjusted		Adjusted ^a	
			FR	95% CI	FR	95% CI
Never e-cigarette user	1,940	11,944	1.00	Referent	1.00	Referent
Ever e-cigarette user	323	2,545	0.83	0.74, 0.93	0.88	0.78, 1.00
Former e-cigarette user	247	1,921	0.83	0.73, 0.95	0.88	0.77, 1.01
Current e-cigarette user	76	624	0.80	0.64, 1.01	0.87	0.68, 1.10

Abbreviations: CI, confidence interval; FR, fecundability ratio; No., number.
^aAdjusted for age, annual household income, education, baseline smoking status, pack-years of cigarette smoking, weekly alcohol intake, intercourse frequency, doing anything to improve chances, body mass index, Major Depression Inventory score, multivitamin or supplement use, healthy eating index, parity