

Table S2. Baseline characteristics and prior healthcare service use of potential treatment and control cohorts (unmatched)

	Potential treatment cohort (n=12,965)	Potential control cohort (n=19,260)	SMD
Sociodemographic characteristics			
Age, mean \pm SD	49.31 \pm 13.56	45.35 \pm 16.71	0.26
Sex			
Female	7,144 (55.1)	9,495 (49.3)	0.12
Male	5,821 (44.9)	9,765 (50.7)	0.12
Education quintile			
Missing	698 (5.4)	1,257 (6.5)	0.05
Q1 (lowest)	796 (6.1)	1,695 (8.8)	0.10
Q2	1,930 (14.9)	2,951 (15.3)	0.01
Q3	2,528 (19.5)	3,962 (20.6)	0.03
Q4	3,285 (25.3)	4,740 (24.6)	0.02
Q5 (highest)	3,728 (28.8)	4,655 (24.2)	0.10
Employment quintile			
Missing	698 (5.4)	1,257 (6.5)	0.05
Q1 (lowest)	2,935 (22.6)	4,058 (21.1)	0.04
Q2	2,617 (20.2)	3,583 (18.6)	0.04
Q3	2,302 (17.8)	3,674 (19.1)	0.03
Q4	2,251 (17.4)	3,444 (17.9)	0.01
Q5 (highest)	2,162 (16.7)	3,244 (16.8)	0.00
Rurality + neighbourhood income quintile			
Missing	28 (0.2)	51 (0.3)	0.01
Rural	3,784 (29.2)	3,269 (17.0)	0.29
Urban Q1 (lowest)	2,809 (21.7)	4,085 (21.2)	0.01
Urban Q2	1,916 (14.8)	3,447 (17.9)	0.08
Urban Q3	1,702 (13.1)	3,063 (15.9)	0.08
Urban Q4	1,552 (12.0)	2,950 (15.3)	0.10
Urban Q5 (highest)	1,174 (9.1)	2,395 (12.4)	0.11
Migrant status			
Immigrant ^a	299 (2.4)	797 (4.1)	0.10
Non-immigrant	12,666 (97.7)	18,463 (95.9)	0.10
Smoking characteristics			
Frequency of smoking			

Daily	12,741 (98.3)	15,384 (79.9)	0.62
Occasional	224 (1.7)	3,876 (20.1)	0.62
Cigarettes per day, mean \pm SD	20.43 \pm 11.53	13.17 \pm 9.39	0.69
Age first tried smoking, mean \pm SD	15.87 \pm 5.30	15.83 \pm 4.44	0.01
Duration smoking (years), mean \pm SD	33.44 \pm 13.97	29.47 \pm 16.47	0.26
Health comorbidities			
Prevalent comorbidities			
COPD	4,206 (32.4)	2,958 (15.4)	0.41
Hypertension	3,902 (30.1)	4,286 (22.3)	0.18
Diabetes	2,218 (17.1)	1,674 (8.7)	0.25
Asthma	2,643 (20.4)	2,708 (14.1)	0.17
Cancer	618 (4.8)	667 (3.5)	0.07
Myocardial infarction	470 (3.6)	390 (2.0)	0.10
Congestive heart failure	356 (2.7)	324 (1.7)	0.07
No. ADG comorbidities, mean \pm SD	6.33 \pm 3.58	4.70 \pm 3.39	0.47
0-5	5,821 (44.9)	12,285 (63.8)	0.39
6-9	4,713 (36.4)	5,102 (26.5)	0.21
10+	2,431 (18.8)	1,873 (9.7)	0.26
Rate of healthcare service use ppy^b			
Outpatient visits (mean \pm SD)	7.22 \pm 9.03	5.15 \pm 6.73	0.26
ED visits (mean \pm SD)	1.17 \pm 2.17	0.64 \pm 1.39	0.29
Hospitalizations (mean \pm SD)	0.17 \pm 0.50	0.09 \pm 0.31	0.18

Note. Number (%) are reported unless otherwise noted. Abbreviations: ADG = Aggregated Diagnosis Group; COPD = chronic obstructive pulmonary disease; SD = standard deviation; ppy = per person year; ED = emergency department; Q = quintile; IQR = interquartile range; SMD = standardized mean difference.

^a Includes immigrants and refugees.

^b During 2 years up to index date.