Supplemental material for

Differences and similarities in breast and colorectal cancer screening uptake among municipalities in Flanders, Belgium

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Supplementary Table

Table S1 - Univariable associations between municipal characteristics and BC/CRC screening uptake municipality profiles

		Group 2 vs. 1				Group 3 vs. 1				Group 4 vs. 1			
		OR	95%CI L	95%CI H	p value	OR	95%CI L	95%CI H	p value	OR	95%CI L	95%CI H	p value
Socioeconomic variables	Average income	0.48	0.20	1.13	0.09	0.59	0.22	1.55	0.29	0.13	0.05	0.32	<0.001*
	Jobseeker rate	1.49	1.00	2.21	0.049*	1.10	0.75	1.60	0.63	1.46	1.04	2.03	0.027*
	Wage earners	0.90	0.83	0.98	0.013*	0.93	0.85	1.02	0.11	0.95	0.88	1.03	0.24
	Self-employed	0.93	0.84	1.04	0.22	0.98	0.87	1.11	0.75	0.91	0.83	1.00	0.06
	(Early) retired	1.03	0.96	1.12	0.39	1.02	0.93	1.11	0.72	0.90	0.84	0.96	0.002*
	Higher education	0.94	0.92	0.96	<0.001*	0.97	0.93	1.00	0.06	0.98	0.96	1.00	0.018*
Demographic variables	Age group 1	0.93	0.86	1.01	0.09	0.97	0.88	1.07	0.55	1.04	0.97	1.11	0.30
	Age group 2	0.97	0.85	1.11	0.65	1.03	0.89	1.18	0.72	1.03	0.91	1.17	0.61
	Age group 3	1.11	1.01	1.21	0.025*	1.03	0.94	1.14	0.51	0.95	0.87	1.05	0.32
	Average household size	0.07	0.01	0.39	0.002*	0.18	0.02	1.53	0.12	1.75	0.37	8.40	0.48
	Same address	0.70	0.60	0.82	<0.001*	0.88	0.72	1.08	0.23	1.15	1.01	1.31	0.034*
	Having a partner	0.61	0.54	0.70	<0.001*	0.68	0.60	0.77	<0.001*	1.02	0.91	1.15	0.72
	Having children	0.76	0.66	0.87	<0.001*	0.87	0.74	1.02	0.08	1.25	1.06	1.48	0.007*
	Foreign Nationality	1.49	1.28	1.73	<0.001*	1.43	1.23	1.65	<0.001*	1.10	0.95	1.27	0.21
Health-related variables	Chronic Conditions	1.11	0.99	1.24	0.09	1.29	1.12	1.48	<0.001*	1.17	1.05	1.31	0.006*
	Diabetes	2.07	1.45	2.97	<0.001*	2.06	1.44	2.94	<0.001*	0.82	0.59	1.16	0.27
	Disabilities	1.06	0.94	1.20	0.36	1.24	1.09	1.41	<0.001*	1.09	0.98	1.20	0.12
	General practitioner (GP) visits	0.85	0.81	0.90	<0.001*	0.96	0.90	1.04	0.32	1.20	1.11	1.30	<0.001*
	Preventive Dental visits	0.94	0.90	0.97	<0.001*	0.95	0.91	0.98	0.005*	1.00	0.97	1.04	0.90

* = significant p values; Group 1 (reference group): high BC, high CRC; Group 2: high BC, low CRC; Group 3: low BC, high CRC; Group 4: low BC, low CRC.

Supplementary Figures

Figure S1 - Causal directed acyclic graph (DAG) built to identify covariates for adjustment in multivariable analyses. Available online at: dagitty.net/mck1-_X
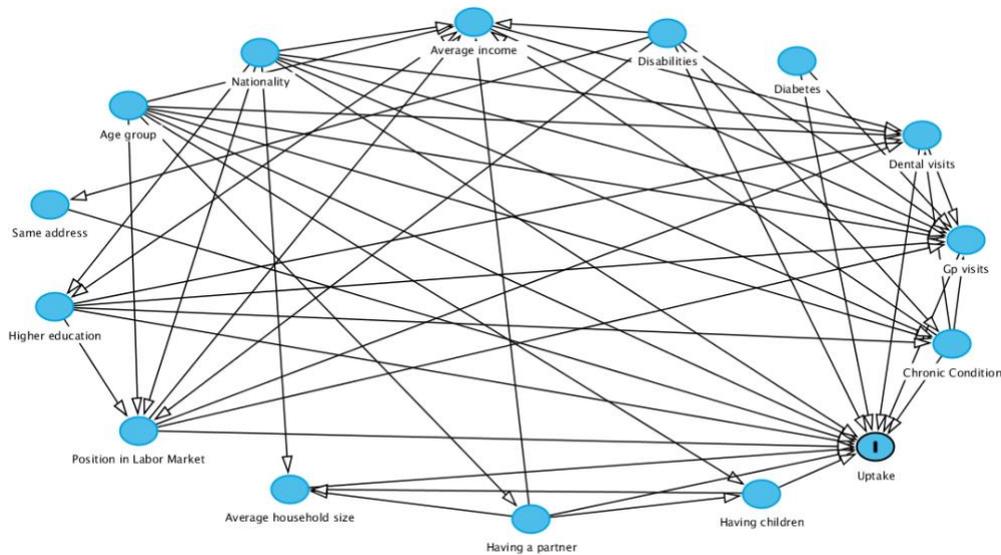
Figures S2 - Maps of Flanders municipalities (division before 2019) displaying municipality uptake profiles (2014-2017).
Group 1 (reference group): high BC, high CRC; Group 2: high BC, low CRC; Group 3: low BC, high CRC; Group 4: low BC, low CRC.
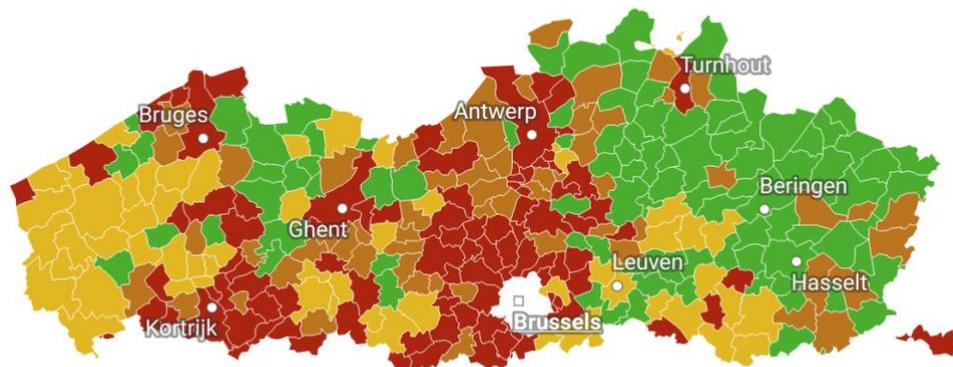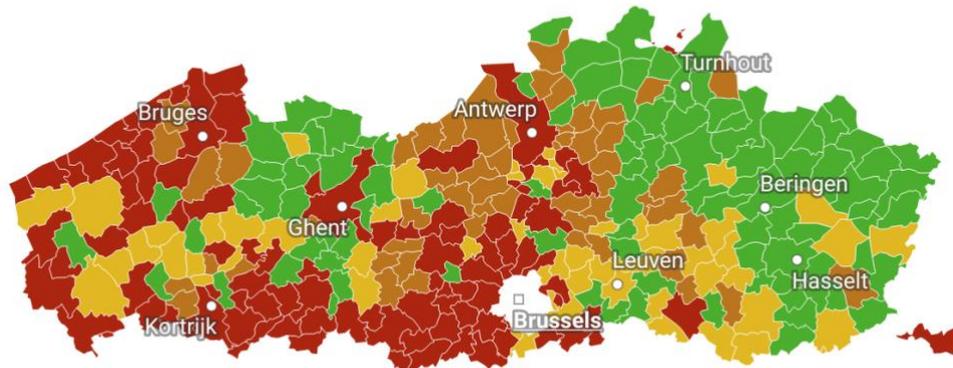
BC/CRC screening uptake: municipality profiles 2015

Group 1 Group 2 Group 3 Group 4

Turnhout
Bruges
Antwerp
Beringen
Ghent
Leuven
Hasselt
Kortrijk
Brussels

Created with Datawrapper

BC/CRC screening uptake: municipality profiles 2016

Group 1 Group 2 Group 3 Group 4

Turnhout
Bruges
Antwerp
Beringen
Ghent
Leuven
Hasselt
Kortrijk
Brussels
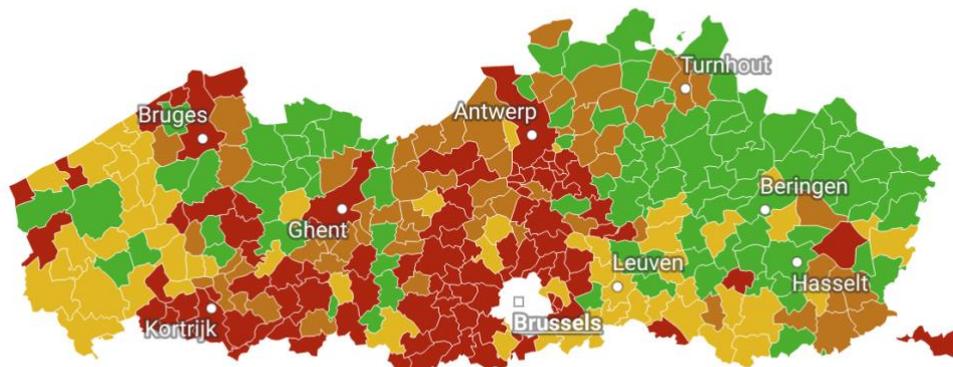
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BC/CRC screening uptake: municipality profiles 2017

Group 1 Group 2 Group 3 Group 4

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