

Additional tables and figures of study results

Table S1: PrEP access among self-reported HIV-negative or unknown participant stratified by clinical recommendations for PrEP (n=1949)*												
	Montreal (n=934)				Toronto (n= 403)				Vancouver (n=612)			
Clinically recommended PrEP?	No (n=423)		Yes (n=511)		No (n=156)		Yes (n=247)		No (n=211)		Yes (n=401)	
	Crude%	RDS adjusted % (95% CI)	Crude %	RDS adjusted% (95% CI)	Crude %	RDS adjusted % (95% CI)	Crude %	RDS adjusted % (95% CI)	Crude %	RDS adjusted % (95% CI)	Crude %	RDS adjusted % (95% CI)
Aware of PrEP	72.3	64.4 (56.0-72.8)	93.2	84.6 (79.3-90.0)	87.8	74.2 (62.5-86.0)	96.4	94.2 (87.7-100.0)	87.2	68.3 (57.4-79.2)	96.3	92.7 (88.2-97.3)
Felt the need for PrEP (P6M)	14.2	12.3 (7.2-17.4)	51.9	39.2 (31.7-46.7)	21.2	12.7 (5.7-19.6)	64.4	56.1 (45.2-67.0)	32.2	24.0 (13.4-34.6)	63.3	49.0 (40.7-57.3)
Tried to obtain PrEP (P6M)	4.5	4.4 (1.6-7.2)	27.0	20.6 (14.0-27.3)	7.1	3.7 (0.5-6.8)	40.1	33.2 (23.5-43.0)	13.3	11.5 (3.4-19.6)	42.1	29.6 (22.2-37.1)
Has used PrEP (P6M)	2.1	1.5 (0.6-2.5)	21.1	14.5 (8.4-20.5)	5.1	2.2 (0.5-3.8)	31.6	21.6 (13.1-30.1)	6.6	7.6 (0.2-14.9)	33.2	21.8 (15.1-28.5)

RDS respondent driven sampling, CI confidence interval
 *Among 2008 HIV-negative or unknown participants, 59 had missing data and determination of clinical recommendations was not possible.

Table S2.1: Factors* associated with not using PrEP among self-reported HIV-negative or unknown participants for whom PrEP is clinically recommended stratified by city of recruitment and PrEP use (n=1100)

		Montreal (n=476)				Toronto (n=238)				Vancouver (n=386)			
Used PrEP in the P6M?		No (n=368)		Yes (n=108)		No (n=160)		Yes (n=78)		No (n=253)		Yes (n=133)	
		Crude %	RDS adjusted % (95%CI)	Crude %	RDS adjusted % (95%CI)	Crude %	RDS adjusted % (95%CI)	Crude %	RDS adjusted % (95%CI)	Crude %	RDS adjusted % (95%CI)	Crude %	RDS adjusted % (95%CI)
I. Sociodemographic characteristics													
Age	30 years or older	50.0	43.4 (34.1-52.7)	67.6	55.2 (37.0-73.5)	40.6	38.6 (26.8-50.4)	70.5	53.5 (32.3-74.7)	43.5	34.0 (24.3-43.6)	64.7	60.8 (46.4-75.1)
	Less than 30 years	50.0	56.6 (47.3-65.9)	32.4	44.8 (26.5-63.0)	59.4	61.4 (49.6-73.2)	29.5	46.5 (25.3-67.7)	56.5	66.0 (56.4-75.7)	35.3	39.2 (24.9-53.6)
Education	Greater than highschool	87.8	87.1 (81.8-92.3)	86.1	90.5 (80.0-101.0)	89.4	85.2 (77.3-93.2)	96.2	99.0 (98.1-100.0)	89.3	91.8 (87.2-96.4)	92.5	92.8 (86.0-99.5)
	No more than high school	12.2	12.9 (7.7-18.2)	13.9	9.5 (0.0-20.0)	10.6	14.8 (6.8-22.7)	3.8	1.0 (0.0-1.9)	10.7	8.2 (3.6-12.8)	7.5	7.2 (0.5-14.0)
Income	30 000 CAD or more	45.4	33.4 (25.5-41.4)	58.3	42.7 (24.8-60.7)	53.1	49.3 (36.8-61.8)	67.9	55.2 (33.5-76.9)	58.1	42.9 (32.2-53.5)	63.9	57.6 (42.2-73.0)
	<30 000 CAD	54.6	66.6 (58.6-74.5)	41.7	57.3 (39.3-75.2)	46.9	50.7 (38.2-63.2)	32.1	44.8 (23.1-66.5)	41.9	57.1 (46.5-67.8)	36.1	42.4 (27.0-57.8)
In a relationship with a main partner	No	50.3	45.1 (36.0-54.1)	60.2	60.8 (41.7-79.9)	44.4	38.6 (27.0-50.2)	52.6	58.4 (39.2-77.6)	50.6	41.6 (31.5-51.7)	54.9	64.6 (51.2-78.1)
	Yes	49.7	54.9 (45.9-64.0)	39.8	39.2 (20.1-58.3)	55.6	61.4 (49.8-73.0)	47.4	41.6 (22.4-60.8)	49.4	58.4 (48.3-68.5)	45.1	35.4 (21.9-48.8)
II. Sexual behavioural characteristics													
Viral load sorting as HIV prevention strategy	No	83.2	81.9 (74.6-89.3)	62.0	67.0 (49.1-84.8)	81.2	86.4 (77.2-95.5)	57.7	63.3 (48.2-78.4)	81.4	92.5 (88.0-96.9)	55.6	70.2 (56.8-83.6)
	Yes	16.8	18.1 (10.7-25.4)	38.0	33.0 (15.2-50.9)	18.8	13.6 (4.5-22.8)	42.3	36.7 (21.6-51.8)	18.6	7.5 (3.1-12.0)	44.4	29.8 (16.4-43.2)
III. Dimensions related to perceiving the need for care													
3.1 Perceived risk of HIV infection													
"I don't feel that I am at high enough risk to use PrEP."	Strongly disagree/disagree/neutral	54.4	56.0 (46.9-65.1)	88.0	80.9 (62.6-99.3)	54.1	50.2 (37.9-62.4)	98.7	99.6 (99.2-100.0)	56.9	50.7 (39.8-61.6)	90.8	92.1 (84.0-100.0)
	Agree/strongly agree	45.6	44.0 (34.9-53.1)	12.0	19.1 (0.7-37.4)	45.9	49.8 (37.6-62.1)	1.3	0.4 (0.0-0.8)	43.1	49.3 (38.4-60.2)	9.2	7.9 (0.0-16.0)

		Montreal (n=476)				Toronto (n=238)				Vancouver (n=386)			
Used PrEP in the P6M?		No (n=368)		Yes (n=108)		No (n=160)		Yes (n=78)		No (n=253)		Yes (n=133)	
		Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)
"HIV/AIDS is a less serious threat than it used to be because of new treatments."	Strongly agree/agree	50.1	49.6 (40.4-58.8)	60.2	62.6 (45.2-80.1)	67.5	70.4 (60.3-80.6)	80.8	82.4 (71.2-93.7)	72.7	59.2 (48.1-70.2)	82.7	73.6 (61.4-85.7)
	Disagree/strongly disagree	49.9	50.4 (41.2-59.6)	39.8	37.4 (19.9-54.8)	32.5	29.6 (19.4-39.7)	19.2	17.6 (6.3-28.8)	27.3	40.8 (29.8-51.9)	17.3	26.4 (14.3-38.6)
3.2 Knowledge about PrEP													
"I know enough about PrEP to tell if it's right for me or not."	Strongly agree/agree/neutral	69.6	63.2 (53.7-72.6)	79.6	89.3 (81.9-96.7)	72.2	75.9 (65.1-86.8)	85.9	81.8 (63.8-99.8)	71.7	75.5 (67.0-84.1)	84.0	86.4 (79.0-93.8)
	Disagree/strongly disagree	30.4	36.8 (27.4-46.3)	20.4	10.7 (3.3-18.1)	27.8	24.1 (13.2-34.9)	14.1	18.2 (0.2-36.2)	28.3	24.5 (15.9-33.0)	16.0	13.6 (6.2-21.0)
"In your opinion, how effective is PrEP at preventing HIV infection?"	Completely/very	65.8	44.4 (35.3-53.6)	91.7	82.3 (69.1-95.5)	77.5	69.8 (57.9-81.7)	98.7	98.8 (95.0-102.7)	73.9	62.3 (52.0-72.7)	95.5	95.0 (90.1-99.9)
	Moderately/a little/not at all/no opinion	34.2	55.6 (46.4-64.7)	8.3	17.7 (4.5-30.9)	22.5	30.2 (18.3-42.1)	1.3	1.2 (0.0-5.0)	26.1	37.7 (27.3-48.0)	4.5	5.0 (0.1-9.9)
"I believe that new drug therapies make people less infectious with HIV."	Strongly agree/agree	72.5	68.8 (60.2-77.5)	88.0	77.7 (60.7-94.6)	73.8	72.0 (61.3-82.7)	88.5	87.9 (72.4-103.3)	81.8	75.5 (66.6-84.4)	93.2	93.1 (86.4-99.7)
	Disagree/Strongly disagree	27.5	31.2 (22.5-39.8)	12.0	22.3 (5.4-39.3)	26.2	28.0 (17.3-38.7)	11.5	12.1 (0.0-27.6)	18.2	24.5 (15.6-33.4)	6.8	6.9 (0.3-13.6)
IV. Dimensions related to seeking care													
4.1 Impact of PrEP use on sexual behavioural													
"I will choose my sexual partners based on whether they are taking PrEP or not."	Strongly agree/agree/neutral	36.4	38.2 (29.0-47.4)	45.3	52.7 (34.1-71.4)	30.1	35.9 (23.5-48.2)	39.7	42.3 (20.3-64.3)	36.3	42.6 (31.5-53.7)	51.1	49.4 (34.6-64.2)
	Disagree/strongly disagree	63.6	61.8 (52.6-71.0)	54.7	47.3 (28.6-65.9)	69.9	64.1 (51.8-76.5)	60.3	57.7 (35.7-79.7)	63.7	57.4 (46.3-68.5)	48.9	50.6 (35.8-65.4)

		Montreal (n=476)				Toronto (n=238)				Vancouver (n=386)			
Used PrEP in the P6M?		No (n=368)		Yes (n=108)		No (n=160)		Yes (n=78)		No (n=253)		Yes (n=133)	
		Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)
"If I was taking PrEP. I would most likely stop using condoms."	Strongly agree/agree/neutral	50.3	48.0 (38.7-57.3)	75.9	71.3 (55.8-86.7)	64.3	59.7 (47.7-71.7)	84.4	77.5 (61.8-93.1)	59.9	58.9 (47.9-69.9)	80.8	79.3 (68.2-90.3)
	Disagree/strongly disagree	49.7	52.0 (42.7-61.3)	24.1	28.7 (13.3-44.2)	35.7	40.3 (28.3-52.3)	15.6	22.5 (6.9-38.2)	40.1	41.1 (30.1-52.1)	19.2	20.7 (9.7-31.8)
"I am afraid that guys being on PrEP will stop using other ways of protecting themselves."	Strongly disagree/disagree/neutral	21.7	23.2 (14.7-31.7)	42.1	32.8 (15.4-50.2)	21.2	23.0 (13.2-32.8)	50.0	42.1 (21.7-62.5)	21.4	18.2 (11.0-25.4)	40.9	31.6 (17.7-45.6)
	Agree/strongly agree	78.3	76.8 (68.3-85.3)	57.9	67.2 (49.8-84.6)	78.8	77.0 (67.2-86.8)	50.0	57.9 (37.5-78.3)	78.6	81.8 (74.6-89.0)	59.1	68.4 (54.4-82.3)
V. Dimensions related to reaching and paying for care													
5.1 Access to health services													
Has a primary healthcare provider	Yes	58.4	49.4 (40.2-58.6)	75.9	69.6 (53.8-85.3)	70.6	67.3 (55.5-79.2)	93.6	85.4 (68.6-102.2)	56.5	48.7 (38.0-59.4)	78.2	70.7 (57.7-83.8)
	No	41.6	50.6 (41.4-59.8)	24.1	30.4 (14.7-46.2)	29.4	32.7 (20.8-44.5)	6.4	14.6 (0.0-31.4)	43.5	51.3 (40.6-62.0)	21.8	29.3 (16.2-42.3)
Told primary healthcare provider about male partners	Yes	49.5	36.3 (27.5-45.1)	74.1	63.9 (45.8-82.0)	56.2	47.7 (35.2-60.2)	92.3	84.9 (68.1-101.8)	35.6	20.5 (12.8-28.1)	68.4	59.1 (44.6-73.5)
	No	9.0	13.1 (6.4-19.8)	1.9	5.7 (0.0-20.0)	14.4	19.6 (8.4-30.9)	1.3	0.5 (0.0-0.9)	20.9	28.2 (18.9-37.5)	9.8	11.7 (2.1-21.3)
	No primary care provider	41.6	50.6 (41.4-59.8)	24.1	30.4 (14.7-46.2)	29.4	32.7 (20.8-44.5)	6.4	14.6 (0.0-31.4)	43.5	51.3 (40.6-62.0)	21.8	29.3 (16.2-42.3)
Has medication insurance	Yes	69.3	63.7 (54.7-72.8)	92.6	87.9 (74.8-101.1)	53.8	49.1 (36.9-61.3)	80.8	74.2 (55.5-92.8)	67.6	55.2 (44.6-65.9)	73.7	80.0 (65.6-94.4)
	No	30.7	36.3 (27.2-45.3)	7.4	12.1 (0.0-25.2)	46.2	50.9 (38.7-63.1)	19.2	25.8 (7.2-44.5)	32.4	44.8 (34.1-55.4)	26.3	20.0 (5.6-34.4)

		Montreal (n=476)				Toronto (n=238)				Vancouver (n=386)			
Used PrEP in the P6M?		No (n=368)		Yes (n=108)		No (n=160)		Yes (n=78)		No (n=253)		Yes (n=133)	
		Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)
" I don't think I can find a doctor that is sensitive and accepting enough of my sexual activities and choices to prescribe PrEP."	Strongly disagree/ disagree/Neutral	89.8	87.8 (82.7-93.0)	97.2	96.8 (88.5-105.1)	85.7	84.9 (75.5-94.4)	94.8	97.7 (93.7-101.7)	82.9	83.5 (74.8-92.2)	97.7	98.5 (95.9-101.2)
	Agree/strongly agree	10.2	12.2 (7.0-17.3)	2.8	3.2 (0.0-11.5)	14.3	15.1 (5.6-24.5)	5.2	2.3 (0.0-6.3)	17.1	16.5 (7.8-25.2)	2.3	1.5 (0.0-4.1)
"I know where to go to get a prescription for PrEP."	Strongly agree/agree/neutral	67.5	60.8 (51.7-70.0)	88.9	83.3 (69.2-97.3)	65.6	54.9 (42.0-67.7)	92.3	94.0 (85.5-102.5)	57.8	56.4 (45.5-67.3)	92.4	82.1 (69.0-95.2)
	Disagree/strongly disagree	32.5	39.2 (30.0-48.3)	11.1	16.7 (2.7-30.8)	34.4	45.1 (32.3-58.0)	7.7	6.0 (0.0-14.5)	42.2	43.6 (32.7-54.5)	7.6	17.9 (4.8-31.0)
"I have not sought a prescription for PrEP in the past because of the cost of the medication."	Strongly disagree/ disagree/neutral	51.3	56.0 (46.7-65.4)	64.2	56.6 (38.0-75.2)	37.8	41.8 (29.0-54.7)	60.8	65.0 (44.9-85.0)	51.1	55.9 (44.3-67.4)	63.8	65.0 (50.0-80.1)
	Agree/strongly agree	48.7	44.0 (34.6-53.3)	35.8	43.4 (24.8-62.0)	62.2	58.2 (45.3-71.0)	39.2	35.0 (15.0-55.1)	48.9	44.1 (32.6-55.7)	36.2	35.0 (19.9-50.0)
VI. Dimensions related to engaging in care													
6.1 Implications of ongoing PrEP use													
" I am worried about the short- and long-term side effects of taking PrEP."	Strongly disagree/disagree/neutral	38.8	35.7 (26.6-44.7)	50.9	52.0 (33.3-70.7)	44.9	38.8 (26.4-51.2)	69.2	63.8 (44.0-83.6)	38.5	33.5 (23.4-43.5)	61.4	51.9 (36.6-67.3)
	Agree/strongly agree	61.2	64.3 (55.3-73.4)	49.1	48.0 (29.3-66.7)	55.1	61.2 (48.8-73.6)	30.8	36.2 (16.4-56.0)	61.5	66.5 (56.5-76.6)	38.6	48.1 (32.7-63.4)
" I don't like the idea of being required to go to the regular medical follow-up visits involved in taking "	Strongly disagree/ disagree/neutral	72.7	70.2 (62.2-78.2)	85.2	80.8 (66.0-95.7)	74.0	72.9 (62.4-83.4)	88.5	92.6 (82.0-103.1)	79.4	83.0 (74.5-91.5)	93.2	96.7 (94.1-99.4)

	Agree/Strongly agree	27.3	29.8 (21.8-37.8)	14.8	19.2 (4.3-34.0)	26.0	27.1 (16.6-37.6)	11.5	7.4 (0.0-18.0)	20.6	17.0 (8.5-25.5)	6.8	3.3 (0.6-5.9)
<p>* These are the factors retained for the multivariable modelling <i>RDS</i> respondent driven sampling, <i>CI</i> confidence interval.</p>													

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		Montreal (n=476)				Toronto (n=238)				Vancouver (n=386)			
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		Crude %	RDS adjusted % (95%CI)	Crude %	RDS adjusted % (95%CI)	Crude %	RDS adjusted % (95%CI)	Crude %	RDS adjusted % (95%CI)	Crude %	RDS adjusted % (95%CI)	Crude %	RDS adjusted % (95%CI)
I. Sociodemographic characteristics													
Age	30 years or older	50.0	43.4 (34.1-52.7)	67.6	55.2 (37.0-73.5)	40.6	38.6 (26.8-50.4)	70.5	53.5 (32.3-74.7)	43.5	34.0 (24.3-43.6)	64.7	60.8 (46.4-75.1)
	Less than 30 years	50.0	56.6 (47.3-65.9)	32.4	44.8 (26.5-63.0)	59.4	61.4 (49.6-73.2)	29.5	46.5 (25.3-67.7)	56.5	66.0 (56.4-75.7)	35.3	39.2 (24.9-53.6)
Education	Greater than highschool	87.8	87.1 (81.8-92.3)	86.1	90.5 (80.0-101.0)	89.4	85.2 (77.3-93.2)	96.2	99.0 (98.1-100.0)	89.3	91.8 (87.2-96.4)	92.5	92.8 (86.0-99.5)
	No more than high school	12.2	12.9 (7.7-18.2)	13.9	9.5 (0.0-20.0)	10.6	14.8 (6.8-22.7)	3.8	1.0 (0.0-1.9)	10.7	8.2 (3.6-12.8)	7.5	7.2 (0.5-14.0)
Income	30 000 CAD or more	45.4	33.4 (25.5-41.4)	58.3	42.7 (24.8-60.7)	53.1	49.3 (36.8-61.8)	67.9	55.2 (33.5-76.9)	58.1	42.9 (32.2-53.5)	63.9	57.6 (42.2-73.0)
	<30 000 CAD	54.6	66.6 (58.6-74.5)	41.7	57.3 (39.3-75.2)	46.9	50.7 (38.2-63.2)	32.1	44.8 (23.1-66.5)	41.9	57.1 (46.5-67.8)	36.1	42.4 (27.0-57.8)
In a relationship with a main partner	No	50.3	45.1 (36.0-54.1)	60.2	60.8 (41.7-79.9)	44.4	38.6 (27.0-50.2)	52.6	58.4 (39.2-77.6)	50.6	41.6 (31.5-51.7)	54.9	64.6 (51.2-78.1)
	Yes	49.7	54.9 (45.9-64.0)	39.8	39.2 (20.1-58.3)	55.6	61.4 (49.8-73.0)	47.4	41.6 (22.4-60.8)	49.4	58.4 (48.3-68.5)	45.1	35.4 (21.9-48.8)
II. Sexual behavioural characteristics													
Viral load sorting as HIV prevention strategy	No	83.2	81.9 (74.6-89.3)	62.0	67.0 (49.1-84.8)	81.2	86.4 (77.2-95.5)	57.7	63.3 (48.2-78.4)	81.4	92.5 (88.0-96.9)	55.6	70.2 (56.8-83.6)
	Yes	16.8	18.1 (10.7-25.4)	38.0	33.0 (15.2-50.9)	18.8	13.6 (4.5-22.8)	42.3	36.7 (21.6-51.8)	18.6	7.5 (3.1-12.0)	44.4	29.8 (16.4-43.2)
III. Dimensions related to perceiving the need for care													
3.1 Perceived risk of HIV infection													
"I don't feel that I am at high enough risk to use PrEP."	Strongly disagree/disagree/neutral	54.4	56.0 (46.9-65.1)	88.0	80.9 (62.6-99.3)	54.1	50.2 (37.9-62.4)	98.7	99.6 (99.2-100.0)	56.9	50.7 (39.8-61.6)	90.8	92.1 (84.0-100.0)
	Agree/strongly agree	45.6	44.0 (34.9-53.1)	12.0	19.1 (0.7-37.4)	45.9	49.8 (37.6-62.1)	1.3	0.4 (0.0-0.8)	43.1	49.3 (38.4-60.2)	9.2	7.9 (0.0-16.0)

		Montreal (n=476)				Toronto (n=238)				Vancouver (n=386)			
Used PrEP in the P6M?		No (n=368)		Yes (n=108)		No (n=160)		Yes (n=78)		No (n=253)		Yes (n=133)	
		Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)
"HIV/AIDS is a less serious threat than it used to be because of new treatments."	Strongly agree/agree	50.1	49.6 (40.4-58.8)	60.2	62.6 (45.2-80.1)	67.5	70.4 (60.3-80.6)	80.8	82.4 (71.2-93.7)	72.7	59.2 (48.1-70.2)	82.7	73.6 (61.4-85.7)
	Disagree/strongly disagree	49.9	50.4 (41.2-59.6)	39.8	37.4 (19.9-54.8)	32.5	29.6 (19.4-39.7)	19.2	17.6 (6.3-28.8)	27.3	40.8 (29.8-51.9)	17.3	26.4 (14.3-38.6)
3.2 Knowledge about PrEP													
"I know enough about PrEP to tell if it's right for me or not."	Strongly agree/agree/neutral	69.6	63.2 (53.7-72.6)	79.6	89.3 (81.9-96.7)	72.2	75.9 (65.1-86.8)	85.9	81.8 (63.8-99.8)	71.7	75.5 (67.0-84.1)	84.0	86.4 (79.0-93.8)
	Disagree/strongly disagree	30.4	36.8 (27.4-46.3)	20.4	10.7 (3.3-18.1)	27.8	24.1 (13.2-34.9)	14.1	18.2 (0.2-36.2)	28.3	24.5 (15.9-33.0)	16.0	13.6 (6.2-21.0)
"In your opinion, how effective is PrEP at preventing HIV infection?"	Completely/very	65.8	44.4 (35.3-53.6)	91.7	82.3 (69.1-95.5)	77.5	69.8 (57.9-81.7)	98.7	98.8 (95.0-102.7)	73.9	62.3 (52.0-72.7)	95.5	95.0 (90.1-99.9)
	Moderately/a little/not at all/no opinion	34.2	55.6 (46.4-64.7)	8.3	17.7 (4.5-30.9)	22.5	30.2 (18.3-42.1)	1.3	1.2 (0.0-5.0)	26.1	37.7 (27.3-48.0)	4.5	5.0 (0.1-9.9)
"I believe that new drug therapies make people less infectious with HIV."	Strongly agree/agree	72.5	68.8 (60.2-77.5)	88.0	77.7 (60.7-94.6)	73.8	72.0 (61.3-82.7)	88.5	87.9 (72.4-103.3)	81.8	75.5 (66.6-84.4)	93.2	93.1 (86.4-99.7)
	Disagree/Strongly disagree	27.5	31.2 (22.5-39.8)	12.0	22.3 (5.4-39.3)	26.2	28.0 (17.3-38.7)	11.5	12.1 (0.0-27.6)	18.2	24.5 (15.6-33.4)	6.8	6.9 (0.3-13.6)
IV. Dimensions related to seeking care													
4.1 Impact of PrEP use on sexual behavioural													
"I will choose my sexual partners based on whether they are taking PrEP or not."	Strongly agree/agree/neutral	36.4	38.2 (29.0-47.4)	45.3	52.7 (34.1-71.4)	30.1	35.9 (23.5-48.2)	39.7	42.3 (20.3-64.3)	36.3	42.6 (31.5-53.7)	51.1	49.4 (34.6-64.2)
	Disagree/strongly disagree	63.6	61.8 (52.6-71.0)	54.7	47.3 (28.6-65.9)	69.9	64.1 (51.8-76.5)	60.3	57.7 (35.7-79.7)	63.7	57.4 (46.3-68.5)	48.9	50.6 (35.8-65.4)

		Montreal (n=476)				Toronto (n=238)				Vancouver (n=386)			
Used PrEP in the P6M?		No (n=368)		Yes (n=108)		No (n=160)		Yes (n=78)		No (n=253)		Yes (n=133)	
		Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)
"If I was taking PrEP. I would most likely stop using condoms."	Strongly agree/agree/neutral	50.3	48.0 (38.7-57.3)	75.9	71.3 (55.8-86.7)	64.3	59.7 (47.7-71.7)	84.4	77.5 (61.8-93.1)	59.9	58.9 (47.9-69.9)	80.8	79.3 (68.2-90.3)
	Disagree/strongly disagree	49.7	52.0 (42.7-61.3)	24.1	28.7 (13.3-44.2)	35.7	40.3 (28.3-52.3)	15.6	22.5 (6.9-38.2)	40.1	41.1 (30.1-52.1)	19.2	20.7 (9.7-31.8)
"I am afraid that guys being on PrEP will stop using other ways of protecting themselves."	Strongly disagree/disagree/neutral	21.7	23.2 (14.7-31.7)	42.1	32.8 (15.4-50.2)	21.2	23.0 (13.2-32.8)	50.0	42.1 (21.7-62.5)	21.4	18.2 (11.0-25.4)	40.9	31.6 (17.7-45.6)
	Agree/strongly agree	78.3	76.8 (68.3-85.3)	57.9	67.2 (49.8-84.6)	78.8	77.0 (67.2-86.8)	50.0	57.9 (37.5-78.3)	78.6	81.8 (74.6-89.0)	59.1	68.4 (54.4-82.3)
V. Dimensions related to reaching and paying for care													
5.1 Access to health services													
Has a primary healthcare provider	Yes	58.4	49.4 (40.2-58.6)	75.9	69.6 (53.8-85.3)	70.6	67.3 (55.5-79.2)	93.6	85.4 (68.6-102.2)	56.5	48.7 (38.0-59.4)	78.2	70.7 (57.7-83.8)
	No	41.6	50.6 (41.4-59.8)	24.1	30.4 (14.7-46.2)	29.4	32.7 (20.8-44.5)	6.4	14.6 (0.0-31.4)	43.5	51.3 (40.6-62.0)	21.8	29.3 (16.2-42.3)
Told primary healthcare provider about male partners	Yes	49.5	36.3 (27.5-45.1)	74.1	63.9 (45.8-82.0)	56.2	47.7 (35.2-60.2)	92.3	84.9 (68.1-101.8)	35.6	20.5 (12.8-28.1)	68.4	59.1 (44.6-73.5)
	No	9.0	13.1 (6.4-19.8)	1.9	5.7 (0.0-20.0)	14.4	19.6 (8.4-30.9)	1.3	0.5 (0.0-0.9)	20.9	28.2 (18.9-37.5)	9.8	11.7 (2.1-21.3)
	No primary care provider	41.6	50.6 (41.4-59.8)	24.1	30.4 (14.7-46.2)	29.4	32.7 (20.8-44.5)	6.4	14.6 (0.0-31.4)	43.5	51.3 (40.6-62.0)	21.8	29.3 (16.2-42.3)
Has medication insurance	Yes	69.3	63.7 (54.7-72.8)	92.6	87.9 (74.8-101.1)	53.8	49.1 (36.9-61.3)	80.8	74.2 (55.5-92.8)	67.6	55.2 (44.6-65.9)	73.7	80.0 (65.6-94.4)
	No	30.7	36.3 (27.2-45.3)	7.4	12.1 (0.0-25.2)	46.2	50.9 (38.7-63.1)	19.2	25.8 (7.2-44.5)	32.4	44.8 (34.1-55.4)	26.3	20.0 (5.6-34.4)

		Montreal (n=476)				Toronto (n=238)				Vancouver (n=386)			
Used PrEP in the P6M?		No (n=368)		Yes (n=108)		No (n=160)		Yes (n=78)		No (n=253)		Yes (n=133)	
		Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)
" I don't think I can find a doctor that is sensitive and accepting enough of my sexual activities and choices to prescribe PrEP."	Strongly disagree/ disagree/Neutral	89.8	87.8 (82.7-93.0)	97.2	96.8 (88.5-105.1)	85.7	84.9 (75.5-94.4)	94.8	97.7 (93.7-101.7)	82.9	83.5 (74.8-92.2)	97.7	98.5 (95.9-101.2)
	Agree/strongly agree	10.2	12.2 (7.0-17.3)	2.8	3.2 (0.0-11.5)	14.3	15.1 (5.6-24.5)	5.2	2.3 (0.0-6.3)	17.1	16.5 (7.8-25.2)	2.3	1.5 (0.0-4.1)
"I know where to go to get a prescription for PrEP."	Strongly agree/agree/neutral	67.5	60.8 (51.7-70.0)	88.9	83.3 (69.2-97.3)	65.6	54.9 (42.0-67.7)	92.3	94.0 (85.5-102.5)	57.8	56.4 (45.5-67.3)	92.4	82.1 (69.0-95.2)
	Disagree/strongly disagree	32.5	39.2 (30.0-48.3)	11.1	16.7 (2.7-30.8)	34.4	45.1 (32.3-58.0)	7.7	6.0 (0.0-14.5)	42.2	43.6 (32.7-54.5)	7.6	17.9 (4.8-31.0)
"I have not sought a prescription for PrEP in the past because of the cost of the medication."	Strongly disagree/ disagree/neutral	51.3	56.0 (46.7-65.4)	64.2	56.6 (38.0-75.2)	37.8	41.8 (29.0-54.7)	60.8	65.0 (44.9-85.0)	51.1	55.9 (44.3-67.4)	63.8	65.0 (50.0-80.1)
	Agree/strongly agree	48.7	44.0 (34.6-53.3)	35.8	43.4 (24.8-62.0)	62.2	58.2 (45.3-71.0)	39.2	35.0 (15.0-55.1)	48.9	44.1 (32.6-55.7)	36.2	35.0 (19.9-50.0)
VI. Dimensions related to engaging in care													
6.1 Implications of ongoing PrEP use													
" I am worried about the short- and long-term side effects of taking PrEP."	Strongly disagree/disagree/neutral	38.8	35.7 (26.6-44.7)	50.9	52.0 (33.3-70.7)	44.9	38.8 (26.4-51.2)	69.2	63.8 (44.0-83.6)	38.5	33.5 (23.4-43.5)	61.4	51.9 (36.6-67.3)
	Agree/strongly agree	61.2	64.3 (55.3-73.4)	49.1	48.0 (29.3-66.7)	55.1	61.2 (48.8-73.6)	30.8	36.2 (16.4-56.0)	61.5	66.5 (56.5-76.6)	38.6	48.1 (32.7-63.4)
" I don't like the idea of being required to go to the regular medical follow-up visits involved in taking "	Strongly disagree/ disagree/neutral	72.7	70.2 (62.2-78.2)	85.2	80.8 (66.0-95.7)	74.0	72.9 (62.4-83.4)	88.5	92.6 (82.0-103.1)	79.4	83.0 (74.5-91.5)	93.2	96.7 (94.1-99.4)

	Agree/Strongly agree	27.3	29.8 (21.8-37.8)	14.8	19.2 (4.3-34.0)	26.0	27.1 (16.6-37.6)	11.5	7.4 (0.0-18.0)	20.6	17.0 (8.5-25.5)	6.8	3.3 (0.6-5.9)
<p>* These are the factors retained for the multivariable modelling <i>RDS</i> respondent driven sampling, <i>CI</i> confidence interval.</p>													

Table S2.1: Factors* associated with not using PrEP among self-reported HIV-negative or unknown participants for whom PrEP is clinically recommended stratified by city of recruitment and PrEP use (n=1100)

		Montreal (n=476)				Toronto (n=238)				Vancouver (n=386)			
Used PrEP in the P6M?		No (n=368)		Yes (n=108)		No (n=160)		Yes (n=78)		No (n=253)		Yes (n=133)	
		Crude %	RDS adjusted % (95%CI)	Crude %	RDS adjusted % (95%CI)	Crude %	RDS adjusted % (95%CI)	Crude %	RDS adjusted % (95%CI)	Crude %	RDS adjusted % (95%CI)	Crude %	RDS adjusted % (95%CI)
I. Sociodemographic characteristics													
Age	30 years or older	50.0	43.4 (34.1-52.7)	67.6	55.2 (37.0-73.5)	40.6	38.6 (26.8-50.4)	70.5	53.5 (32.3-74.7)	43.5	34.0 (24.3-43.6)	64.7	60.8 (46.4-75.1)
	Less than 30 years	50.0	56.6 (47.3-65.9)	32.4	44.8 (26.5-63.0)	59.4	61.4 (49.6-73.2)	29.5	46.5 (25.3-67.7)	56.5	66.0 (56.4-75.7)	35.3	39.2 (24.9-53.6)
Education	Greater than highschool	87.8	87.1 (81.8-92.3)	86.1	90.5 (80.0-101.0)	89.4	85.2 (77.3-93.2)	96.2	99.0 (98.1-100.0)	89.3	91.8 (87.2-96.4)	92.5	92.8 (86.0-99.5)
	No more than high school	12.2	12.9 (7.7-18.2)	13.9	9.5 (0.0-20.0)	10.6	14.8 (6.8-22.7)	3.8	1.0 (0.0-1.9)	10.7	8.2 (3.6-12.8)	7.5	7.2 (0.5-14.0)
Income	30 000 CAD or more	45.4	33.4 (25.5-41.4)	58.3	42.7 (24.8-60.7)	53.1	49.3 (36.8-61.8)	67.9	55.2 (33.5-76.9)	58.1	42.9 (32.2-53.5)	63.9	57.6 (42.2-73.0)
	<30 000 CAD	54.6	66.6 (58.6-74.5)	41.7	57.3 (39.3-75.2)	46.9	50.7 (38.2-63.2)	32.1	44.8 (23.1-66.5)	41.9	57.1 (46.5-67.8)	36.1	42.4 (27.0-57.8)
In a relationship with a main partner	No	50.3	45.1 (36.0-54.1)	60.2	60.8 (41.7-79.9)	44.4	38.6 (27.0-50.2)	52.6	58.4 (39.2-77.6)	50.6	41.6 (31.5-51.7)	54.9	64.6 (51.2-78.1)
	Yes	49.7	54.9 (45.9-64.0)	39.8	39.2 (20.1-58.3)	55.6	61.4 (49.8-73.0)	47.4	41.6 (22.4-60.8)	49.4	58.4 (48.3-68.5)	45.1	35.4 (21.9-48.8)
II. Sexual behavioural characteristics													
Viral load sorting as HIV prevention strategy	No	83.2	81.9 (74.6-89.3)	62.0	67.0 (49.1-84.8)	81.2	86.4 (77.2-95.5)	57.7	63.3 (48.2-78.4)	81.4	92.5 (88.0-96.9)	55.6	70.2 (56.8-83.6)
	Yes	16.8	18.1 (10.7-25.4)	38.0	33.0 (15.2-50.9)	18.8	13.6 (4.5-22.8)	42.3	36.7 (21.6-51.8)	18.6	7.5 (3.1-12.0)	44.4	29.8 (16.4-43.2)
III. Dimensions related to perceiving the need for care													
3.1 Perceived risk of HIV infection													
"I don't feel that I am at high enough risk to use PrEP."	Strongly disagree/disagree/neutral	54.4	56.0 (46.9-65.1)	88.0	80.9 (62.6-99.3)	54.1	50.2 (37.9-62.4)	98.7	99.6 (99.2-100.0)	56.9	50.7 (39.8-61.6)	90.8	92.1 (84.0-100.0)
	Agree/strongly agree	45.6	44.0 (34.9-53.1)	12.0	19.1 (0.7-37.4)	45.9	49.8 (37.6-62.1)	1.3	0.4 (0.0-0.8)	43.1	49.3 (38.4-60.2)	9.2	7.9 (0.0-16.0)

		Montreal (n=476)				Toronto (n=238)				Vancouver (n=386)			
Used PrEP in the P6M?		No (n=368)		Yes (n=108)		No (n=160)		Yes (n=78)		No (n=253)		Yes (n=133)	
		Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)
"HIV/AIDS is a less serious threat than it used to be because of new treatments."	Strongly agree/agree	50.1	49.6 (40.4-58.8)	60.2	62.6 (45.2-80.1)	67.5	70.4 (60.3-80.6)	80.8	82.4 (71.2-93.7)	72.7	59.2 (48.1-70.2)	82.7	73.6 (61.4-85.7)
	Disagree/strongly disagree	49.9	50.4 (41.2-59.6)	39.8	37.4 (19.9-54.8)	32.5	29.6 (19.4-39.7)	19.2	17.6 (6.3-28.8)	27.3	40.8 (29.8-51.9)	17.3	26.4 (14.3-38.6)
3.2 Knowledge about PrEP													
"I know enough about PrEP to tell if it's right for me or not."	Strongly agree/agree/neutral	69.6	63.2 (53.7-72.6)	79.6	89.3 (81.9-96.7)	72.2	75.9 (65.1-86.8)	85.9	81.8 (63.8-99.8)	71.7	75.5 (67.0-84.1)	84.0	86.4 (79.0-93.8)
	Disagree/strongly disagree	30.4	36.8 (27.4-46.3)	20.4	10.7 (3.3-18.1)	27.8	24.1 (13.2-34.9)	14.1	18.2 (0.2-36.2)	28.3	24.5 (15.9-33.0)	16.0	13.6 (6.2-21.0)
"In your opinion, how effective is PrEP at preventing HIV infection?"	Completely/very	65.8	44.4 (35.3-53.6)	91.7	82.3 (69.1-95.5)	77.5	69.8 (57.9-81.7)	98.7	98.8 (95.0-102.7)	73.9	62.3 (52.0-72.7)	95.5	95.0 (90.1-99.9)
	Moderately/a little/not at all/no opinion	34.2	55.6 (46.4-64.7)	8.3	17.7 (4.5-30.9)	22.5	30.2 (18.3-42.1)	1.3	1.2 (0.0-5.0)	26.1	37.7 (27.3-48.0)	4.5	5.0 (0.1-9.9)
"I believe that new drug therapies make people less infectious with HIV."	Strongly agree/agree	72.5	68.8 (60.2-77.5)	88.0	77.7 (60.7-94.6)	73.8	72.0 (61.3-82.7)	88.5	87.9 (72.4-103.3)	81.8	75.5 (66.6-84.4)	93.2	93.1 (86.4-99.7)
	Disagree/Strongly disagree	27.5	31.2 (22.5-39.8)	12.0	22.3 (5.4-39.3)	26.2	28.0 (17.3-38.7)	11.5	12.1 (0.0-27.6)	18.2	24.5 (15.6-33.4)	6.8	6.9 (0.3-13.6)
IV. Dimensions related to seeking care													
4.1 Impact of PrEP use on sexual behavioural													
"I will choose my sexual partners based on whether they are taking PrEP or not."	Strongly agree/agree/neutral	36.4	38.2 (29.0-47.4)	45.3	52.7 (34.1-71.4)	30.1	35.9 (23.5-48.2)	39.7	42.3 (20.3-64.3)	36.3	42.6 (31.5-53.7)	51.1	49.4 (34.6-64.2)
	Disagree/strongly disagree	63.6	61.8 (52.6-71.0)	54.7	47.3 (28.6-65.9)	69.9	64.1 (51.8-76.5)	60.3	57.7 (35.7-79.7)	63.7	57.4 (46.3-68.5)	48.9	50.6 (35.8-65.4)

		Montreal (n=476)				Toronto (n=238)				Vancouver (n=386)			
Used PrEP in the P6M?		No (n=368)		Yes (n=108)		No (n=160)		Yes (n=78)		No (n=253)		Yes (n=133)	
		Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)
"If I was taking PrEP. I would most likely stop using condoms."	Strongly agree/agree/neutral	50.3	48.0 (38.7-57.3)	75.9	71.3 (55.8-86.7)	64.3	59.7 (47.7-71.7)	84.4	77.5 (61.8-93.1)	59.9	58.9 (47.9-69.9)	80.8	79.3 (68.2-90.3)
	Disagree/strongly disagree	49.7	52.0 (42.7-61.3)	24.1	28.7 (13.3-44.2)	35.7	40.3 (28.3-52.3)	15.6	22.5 (6.9-38.2)	40.1	41.1 (30.1-52.1)	19.2	20.7 (9.7-31.8)
"I am afraid that guys being on PrEP will stop using other ways of protecting themselves."	Strongly disagree/disagree/neutral	21.7	23.2 (14.7-31.7)	42.1	32.8 (15.4-50.2)	21.2	23.0 (13.2-32.8)	50.0	42.1 (21.7-62.5)	21.4	18.2 (11.0-25.4)	40.9	31.6 (17.7-45.6)
	Agree/strongly agree	78.3	76.8 (68.3-85.3)	57.9	67.2 (49.8-84.6)	78.8	77.0 (67.2-86.8)	50.0	57.9 (37.5-78.3)	78.6	81.8 (74.6-89.0)	59.1	68.4 (54.4-82.3)
V. Dimensions related to reaching and paying for care													
5.1 Access to health services													
Has a primary healthcare provider	Yes	58.4	49.4 (40.2-58.6)	75.9	69.6 (53.8-85.3)	70.6	67.3 (55.5-79.2)	93.6	85.4 (68.6-102.2)	56.5	48.7 (38.0-59.4)	78.2	70.7 (57.7-83.8)
	No	41.6	50.6 (41.4-59.8)	24.1	30.4 (14.7-46.2)	29.4	32.7 (20.8-44.5)	6.4	14.6 (0.0-31.4)	43.5	51.3 (40.6-62.0)	21.8	29.3 (16.2-42.3)
Told primary healthcare provider about male partners	Yes	49.5	36.3 (27.5-45.1)	74.1	63.9 (45.8-82.0)	56.2	47.7 (35.2-60.2)	92.3	84.9 (68.1-101.8)	35.6	20.5 (12.8-28.1)	68.4	59.1 (44.6-73.5)
	No	9.0	13.1 (6.4-19.8)	1.9	5.7 (0.0-20.0)	14.4	19.6 (8.4-30.9)	1.3	0.5 (0.0-0.9)	20.9	28.2 (18.9-37.5)	9.8	11.7 (2.1-21.3)
	No primary care provider	41.6	50.6 (41.4-59.8)	24.1	30.4 (14.7-46.2)	29.4	32.7 (20.8-44.5)	6.4	14.6 (0.0-31.4)	43.5	51.3 (40.6-62.0)	21.8	29.3 (16.2-42.3)
Has medication insurance	Yes	69.3	63.7 (54.7-72.8)	92.6	87.9 (74.8-101.1)	53.8	49.1 (36.9-61.3)	80.8	74.2 (55.5-92.8)	67.6	55.2 (44.6-65.9)	73.7	80.0 (65.6-94.4)
	No	30.7	36.3 (27.2-45.3)	7.4	12.1 (0.0-25.2)	46.2	50.9 (38.7-63.1)	19.2	25.8 (7.2-44.5)	32.4	44.8 (34.1-55.4)	26.3	20.0 (5.6-34.4)

		Montreal (n=476)				Toronto (n=238)				Vancouver (n=386)			
Used PrEP in the P6M?		No (n=368)		Yes (n=108)		No (n=160)		Yes (n=78)		No (n=253)		Yes (n=133)	
		Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)
" I don't think I can find a doctor that is sensitive and accepting enough of my sexual activities and choices to prescribe PrEP."	Strongly disagree/ disagree/Neutral	89.8	87.8 (82.7-93.0)	97.2	96.8 (88.5-105.1)	85.7	84.9 (75.5-94.4)	94.8	97.7 (93.7-101.7)	82.9	83.5 (74.8-92.2)	97.7	98.5 (95.9-101.2)
	Agree/strongly agree	10.2	12.2 (7.0-17.3)	2.8	3.2 (0.0-11.5)	14.3	15.1 (5.6-24.5)	5.2	2.3 (0.0-6.3)	17.1	16.5 (7.8-25.2)	2.3	1.5 (0.0-4.1)
"I know where to go to get a prescription for PrEP."	Strongly agree/agree/neutral	67.5	60.8 (51.7-70.0)	88.9	83.3 (69.2-97.3)	65.6	54.9 (42.0-67.7)	92.3	94.0 (85.5-102.5)	57.8	56.4 (45.5-67.3)	92.4	82.1 (69.0-95.2)
	Disagree/strongly disagree	32.5	39.2 (30.0-48.3)	11.1	16.7 (2.7-30.8)	34.4	45.1 (32.3-58.0)	7.7	6.0 (0.0-14.5)	42.2	43.6 (32.7-54.5)	7.6	17.9 (4.8-31.0)
"I have not sought a prescription for PrEP in the past because of the cost of the medication."	Strongly disagree/ disagree/neutral	51.3	56.0 (46.7-65.4)	64.2	56.6 (38.0-75.2)	37.8	41.8 (29.0-54.7)	60.8	65.0 (44.9-85.0)	51.1	55.9 (44.3-67.4)	63.8	65.0 (50.0-80.1)
	Agree/strongly agree	48.7	44.0 (34.6-53.3)	35.8	43.4 (24.8-62.0)	62.2	58.2 (45.3-71.0)	39.2	35.0 (15.0-55.1)	48.9	44.1 (32.6-55.7)	36.2	35.0 (19.9-50.0)
VI. Dimensions related to engaging in care													
6.1 Implications of ongoing PrEP use													
" I am worried about the short- and long-term side effects of taking PrEP."	Strongly disagree/disagree/neutral	38.8	35.7 (26.6-44.7)	50.9	52.0 (33.3-70.7)	44.9	38.8 (26.4-51.2)	69.2	63.8 (44.0-83.6)	38.5	33.5 (23.4-43.5)	61.4	51.9 (36.6-67.3)
	Agree/strongly agree	61.2	64.3 (55.3-73.4)	49.1	48.0 (29.3-66.7)	55.1	61.2 (48.8-73.6)	30.8	36.2 (16.4-56.0)	61.5	66.5 (56.5-76.6)	38.6	48.1 (32.7-63.4)
" I don't like the idea of being required to go to the regular medical follow-up visits involved in taking "	Strongly disagree/ disagree/neutral	72.7	70.2 (62.2-78.2)	85.2	80.8 (66.0-95.7)	74.0	72.9 (62.4-83.4)	88.5	92.6 (82.0-103.1)	79.4	83.0 (74.5-91.5)	93.2	96.7 (94.1-99.4)

	Agree/Strongly agree	27.3	29.8 (21.8-37.8)	14.8	19.2 (4.3-34.0)	26.0	27.1 (16.6-37.6)	11.5	7.4 (0.0-18.0)	20.6	17.0 (8.5-25.5)	6.8	3.3 (0.6-5.9)
<p>* These are the factors retained for the multivariable modelling <i>RDS</i> respondent driven sampling, <i>CI</i> confidence interval.</p>													

Table S2.1: Factors* associated with not using PrEP among self-reported HIV-negative or unknown participants for whom PrEP is clinically recommended stratified by city of recruitment and PrEP use (n=1100)

		Montreal (n=476)				Toronto (n=238)				Vancouver (n=386)			
Used PrEP in the P6M?		No (n=368)		Yes (n=108)		No (n=160)		Yes (n=78)		No (n=253)		Yes (n=133)	
		Crude %	RDS adjusted % (95%CI)	Crude %	RDS adjusted % (95%CI)	Crude %	RDS adjusted % (95%CI)	Crude %	RDS adjusted % (95%CI)	Crude %	RDS adjusted % (95%CI)	Crude %	RDS adjusted % (95%CI)
I. Sociodemographic characteristics													
Age	30 years or older	50.0	43.4 (34.1-52.7)	67.6	55.2 (37.0-73.5)	40.6	38.6 (26.8-50.4)	70.5	53.5 (32.3-74.7)	43.5	34.0 (24.3-43.6)	64.7	60.8 (46.4-75.1)
	Less than 30 years	50.0	56.6 (47.3-65.9)	32.4	44.8 (26.5-63.0)	59.4	61.4 (49.6-73.2)	29.5	46.5 (25.3-67.7)	56.5	66.0 (56.4-75.7)	35.3	39.2 (24.9-53.6)
Education	Greater than highschool	87.8	87.1 (81.8-92.3)	86.1	90.5 (80.0-101.0)	89.4	85.2 (77.3-93.2)	96.2	99.0 (98.1-100.0)	89.3	91.8 (87.2-96.4)	92.5	92.8 (86.0-99.5)
	No more than high school	12.2	12.9 (7.7-18.2)	13.9	9.5 (0.0-20.0)	10.6	14.8 (6.8-22.7)	3.8	1.0 (0.0-1.9)	10.7	8.2 (3.6-12.8)	7.5	7.2 (0.5-14.0)
Income	30 000 CAD or more	45.4	33.4 (25.5-41.4)	58.3	42.7 (24.8-60.7)	53.1	49.3 (36.8-61.8)	67.9	55.2 (33.5-76.9)	58.1	42.9 (32.2-53.5)	63.9	57.6 (42.2-73.0)
	<30 000 CAD	54.6	66.6 (58.6-74.5)	41.7	57.3 (39.3-75.2)	46.9	50.7 (38.2-63.2)	32.1	44.8 (23.1-66.5)	41.9	57.1 (46.5-67.8)	36.1	42.4 (27.0-57.8)
In a relationship with a main partner	No	50.3	45.1 (36.0-54.1)	60.2	60.8 (41.7-79.9)	44.4	38.6 (27.0-50.2)	52.6	58.4 (39.2-77.6)	50.6	41.6 (31.5-51.7)	54.9	64.6 (51.2-78.1)
	Yes	49.7	54.9 (45.9-64.0)	39.8	39.2 (20.1-58.3)	55.6	61.4 (49.8-73.0)	47.4	41.6 (22.4-60.8)	49.4	58.4 (48.3-68.5)	45.1	35.4 (21.9-48.8)
II. Sexual behavioural characteristics													
Viral load sorting as HIV prevention strategy	No	83.2	81.9 (74.6-89.3)	62.0	67.0 (49.1-84.8)	81.2	86.4 (77.2-95.5)	57.7	63.3 (48.2-78.4)	81.4	92.5 (88.0-96.9)	55.6	70.2 (56.8-83.6)
	Yes	16.8	18.1 (10.7-25.4)	38.0	33.0 (15.2-50.9)	18.8	13.6 (4.5-22.8)	42.3	36.7 (21.6-51.8)	18.6	7.5 (3.1-12.0)	44.4	29.8 (16.4-43.2)
III. Dimensions related to perceiving the need for care													
3.1 Perceived risk of HIV infection													
"I don't feel that I am at high enough risk to use PrEP."	Strongly disagree/disagree/neutral	54.4	56.0 (46.9-65.1)	88.0	80.9 (62.6-99.3)	54.1	50.2 (37.9-62.4)	98.7	99.6 (99.2-100.0)	56.9	50.7 (39.8-61.6)	90.8	92.1 (84.0-100.0)
	Agree/strongly agree	45.6	44.0 (34.9-53.1)	12.0	19.1 (0.7-37.4)	45.9	49.8 (37.6-62.1)	1.3	0.4 (0.0-0.8)	43.1	49.3 (38.4-60.2)	9.2	7.9 (0.0-16.0)

		Montreal (n=476)				Toronto (n=238)				Vancouver (n=386)			
Used PrEP in the P6M?		No (n=368)		Yes (n=108)		No (n=160)		Yes (n=78)		No (n=253)		Yes (n=133)	
		Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)
"HIV/AIDS is a less serious threat than it used to be because of new treatments."	Strongly agree/agree	50.1	49.6 (40.4-58.8)	60.2	62.6 (45.2-80.1)	67.5	70.4 (60.3-80.6)	80.8	82.4 (71.2-93.7)	72.7	59.2 (48.1-70.2)	82.7	73.6 (61.4-85.7)
	Disagree/strongly disagree	49.9	50.4 (41.2-59.6)	39.8	37.4 (19.9-54.8)	32.5	29.6 (19.4-39.7)	19.2	17.6 (6.3-28.8)	27.3	40.8 (29.8-51.9)	17.3	26.4 (14.3-38.6)
3.2 Knowledge about PrEP													
"I know enough about PrEP to tell if it's right for me or not."	Strongly agree/agree/neutral	69.6	63.2 (53.7-72.6)	79.6	89.3 (81.9-96.7)	72.2	75.9 (65.1-86.8)	85.9	81.8 (63.8-99.8)	71.7	75.5 (67.0-84.1)	84.0	86.4 (79.0-93.8)
	Disagree/strongly disagree	30.4	36.8 (27.4-46.3)	20.4	10.7 (3.3-18.1)	27.8	24.1 (13.2-34.9)	14.1	18.2 (0.2-36.2)	28.3	24.5 (15.9-33.0)	16.0	13.6 (6.2-21.0)
"In your opinion, how effective is PrEP at preventing HIV infection?"	Completely/very	65.8	44.4 (35.3-53.6)	91.7	82.3 (69.1-95.5)	77.5	69.8 (57.9-81.7)	98.7	98.8 (95.0-102.7)	73.9	62.3 (52.0-72.7)	95.5	95.0 (90.1-99.9)
	Moderately/a little/not at all/no opinion	34.2	55.6 (46.4-64.7)	8.3	17.7 (4.5-30.9)	22.5	30.2 (18.3-42.1)	1.3	1.2 (0.0-5.0)	26.1	37.7 (27.3-48.0)	4.5	5.0 (0.1-9.9)
"I believe that new drug therapies make people less infectious with HIV."	Strongly agree/agree	72.5	68.8 (60.2-77.5)	88.0	77.7 (60.7-94.6)	73.8	72.0 (61.3-82.7)	88.5	87.9 (72.4-103.3)	81.8	75.5 (66.6-84.4)	93.2	93.1 (86.4-99.7)
	Disagree/Strongly disagree	27.5	31.2 (22.5-39.8)	12.0	22.3 (5.4-39.3)	26.2	28.0 (17.3-38.7)	11.5	12.1 (0.0-27.6)	18.2	24.5 (15.6-33.4)	6.8	6.9 (0.3-13.6)
IV. Dimensions related to seeking care													
4.1 Impact of PrEP use on sexual behavioural													
"I will choose my sexual partners based on whether they are taking PrEP or not."	Strongly agree/agree/neutral	36.4	38.2 (29.0-47.4)	45.3	52.7 (34.1-71.4)	30.1	35.9 (23.5-48.2)	39.7	42.3 (20.3-64.3)	36.3	42.6 (31.5-53.7)	51.1	49.4 (34.6-64.2)
	Disagree/strongly disagree	63.6	61.8 (52.6-71.0)	54.7	47.3 (28.6-65.9)	69.9	64.1 (51.8-76.5)	60.3	57.7 (35.7-79.7)	63.7	57.4 (46.3-68.5)	48.9	50.6 (35.8-65.4)

		Montreal (n=476)				Toronto (n=238)				Vancouver (n=386)			
Used PrEP in the P6M?		No (n=368)		Yes (n=108)		No (n=160)		Yes (n=78)		No (n=253)		Yes (n=133)	
		Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)
"If I was taking PrEP. I would most likely stop using condoms."	Strongly agree/agree/neutral	50.3	48.0 (38.7-57.3)	75.9	71.3 (55.8-86.7)	64.3	59.7 (47.7-71.7)	84.4	77.5 (61.8-93.1)	59.9	58.9 (47.9-69.9)	80.8	79.3 (68.2-90.3)
	Disagree/strongly disagree	49.7	52.0 (42.7-61.3)	24.1	28.7 (13.3-44.2)	35.7	40.3 (28.3-52.3)	15.6	22.5 (6.9-38.2)	40.1	41.1 (30.1-52.1)	19.2	20.7 (9.7-31.8)
"I am afraid that guys being on PrEP will stop using other ways of protecting themselves."	Strongly disagree/disagree/neutral	21.7	23.2 (14.7-31.7)	42.1	32.8 (15.4-50.2)	21.2	23.0 (13.2-32.8)	50.0	42.1 (21.7-62.5)	21.4	18.2 (11.0-25.4)	40.9	31.6 (17.7-45.6)
	Agree/strongly agree	78.3	76.8 (68.3-85.3)	57.9	67.2 (49.8-84.6)	78.8	77.0 (67.2-86.8)	50.0	57.9 (37.5-78.3)	78.6	81.8 (74.6-89.0)	59.1	68.4 (54.4-82.3)
V. Dimensions related to reaching and paying for care													
5.1 Access to health services													
Has a primary healthcare provider	Yes	58.4	49.4 (40.2-58.6)	75.9	69.6 (53.8-85.3)	70.6	67.3 (55.5-79.2)	93.6	85.4 (68.6-102.2)	56.5	48.7 (38.0-59.4)	78.2	70.7 (57.7-83.8)
	No	41.6	50.6 (41.4-59.8)	24.1	30.4 (14.7-46.2)	29.4	32.7 (20.8-44.5)	6.4	14.6 (0.0-31.4)	43.5	51.3 (40.6-62.0)	21.8	29.3 (16.2-42.3)
Told primary healthcare provider about male partners	Yes	49.5	36.3 (27.5-45.1)	74.1	63.9 (45.8-82.0)	56.2	47.7 (35.2-60.2)	92.3	84.9 (68.1-101.8)	35.6	20.5 (12.8-28.1)	68.4	59.1 (44.6-73.5)
	No	9.0	13.1 (6.4-19.8)	1.9	5.7 (0.0-20.0)	14.4	19.6 (8.4-30.9)	1.3	0.5 (0.0-0.9)	20.9	28.2 (18.9-37.5)	9.8	11.7 (2.1-21.3)
	No primary care provider	41.6	50.6 (41.4-59.8)	24.1	30.4 (14.7-46.2)	29.4	32.7 (20.8-44.5)	6.4	14.6 (0.0-31.4)	43.5	51.3 (40.6-62.0)	21.8	29.3 (16.2-42.3)
Has medication insurance	Yes	69.3	63.7 (54.7-72.8)	92.6	87.9 (74.8-101.1)	53.8	49.1 (36.9-61.3)	80.8	74.2 (55.5-92.8)	67.6	55.2 (44.6-65.9)	73.7	80.0 (65.6-94.4)
	No	30.7	36.3 (27.2-45.3)	7.4	12.1 (0.0-25.2)	46.2	50.9 (38.7-63.1)	19.2	25.8 (7.2-44.5)	32.4	44.8 (34.1-55.4)	26.3	20.0 (5.6-34.4)

		Montreal (n=476)				Toronto (n=238)				Vancouver (n=386)			
Used PrEP in the P6M?		No (n=368)		Yes (n=108)		No (n=160)		Yes (n=78)		No (n=253)		Yes (n=133)	
		Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)
" I don't think I can find a doctor that is sensitive and accepting enough of my sexual activities and choices to prescribe PrEP."	Strongly disagree/ disagree/Neutral	89.8	87.8 (82.7-93.0)	97.2	96.8 (88.5-105.1)	85.7	84.9 (75.5-94.4)	94.8	97.7 (93.7-101.7)	82.9	83.5 (74.8-92.2)	97.7	98.5 (95.9-101.2)
	Agree/strongly agree	10.2	12.2 (7.0-17.3)	2.8	3.2 (0.0-11.5)	14.3	15.1 (5.6-24.5)	5.2	2.3 (0.0-6.3)	17.1	16.5 (7.8-25.2)	2.3	1.5 (0.0-4.1)
"I know where to go to get a prescription for PrEP."	Strongly agree/agree/neutral	67.5	60.8 (51.7-70.0)	88.9	83.3 (69.2-97.3)	65.6	54.9 (42.0-67.7)	92.3	94.0 (85.5-102.5)	57.8	56.4 (45.5-67.3)	92.4	82.1 (69.0-95.2)
	Disagree/strongly disagree	32.5	39.2 (30.0-48.3)	11.1	16.7 (2.7-30.8)	34.4	45.1 (32.3-58.0)	7.7	6.0 (0.0-14.5)	42.2	43.6 (32.7-54.5)	7.6	17.9 (4.8-31.0)
"I have not sought a prescription for PrEP in the past because of the cost of the medication."	Strongly disagree/ disagree/neutral	51.3	56.0 (46.7-65.4)	64.2	56.6 (38.0-75.2)	37.8	41.8 (29.0-54.7)	60.8	65.0 (44.9-85.0)	51.1	55.9 (44.3-67.4)	63.8	65.0 (50.0-80.1)
	Agree/strongly agree	48.7	44.0 (34.6-53.3)	35.8	43.4 (24.8-62.0)	62.2	58.2 (45.3-71.0)	39.2	35.0 (15.0-55.1)	48.9	44.1 (32.6-55.7)	36.2	35.0 (19.9-50.0)
VI. Dimensions related to engaging in care													
6.1 Implications of ongoing PrEP use													
" I am worried about the short- and long-term side effects of taking PrEP."	Strongly disagree/disagree/neutral	38.8	35.7 (26.6-44.7)	50.9	52.0 (33.3-70.7)	44.9	38.8 (26.4-51.2)	69.2	63.8 (44.0-83.6)	38.5	33.5 (23.4-43.5)	61.4	51.9 (36.6-67.3)
	Agree/strongly agree	61.2	64.3 (55.3-73.4)	49.1	48.0 (29.3-66.7)	55.1	61.2 (48.8-73.6)	30.8	36.2 (16.4-56.0)	61.5	66.5 (56.5-76.6)	38.6	48.1 (32.7-63.4)
" I don't like the idea of being required to go to the regular medical follow-up visits involved in taking "	Strongly disagree/ disagree/neutral	72.7	70.2 (62.2-78.2)	85.2	80.8 (66.0-95.7)	74.0	72.9 (62.4-83.4)	88.5	92.6 (82.0-103.1)	79.4	83.0 (74.5-91.5)	93.2	96.7 (94.1-99.4)

	Agree/Strongly agree	27.3	29.8 (21.8-37.8)	14.8	19.2 (4.3-34.0)	26.0	27.1 (16.6-37.6)	11.5	7.4 (0.0-18.0)	20.6	17.0 (8.5-25.5)	6.8	3.3 (0.6-5.9)
<p>* These are the factors retained for the multivariable modelling <i>RDS</i> respondent driven sampling, <i>CI</i> confidence interval.</p>													

Table S2.2: Other potential factors of not using PrEP that were also considered among self-reported HIV-negative or unknown participants for whom PrEP is clinically recommended stratified by city of recruitment and PrEP use (n=1100)

		Montreal (n=476)				Toronto (n=238)				Vancouver (n=386)			
Used PrEP in the P6M?		No (n=368)		Yes (n=108)		No (n=160)		Yes (n=78)		No (n=253)		Yes (n=133)	
		Crude %	RDS adjusted % (95%CI)	Crude %	RDS adjusted % (95%CI)	Crude %	RDS adjusted % (95%CI)	Crude %	RDS adjusted % (95%CI)	Crude %	RDS adjusted % (95%CI)	Crude %	RDS adjusted % (95%CI)
I. Sociodemographic characteristics													
Sexual Orientation	Gay	89.4	84.8 (78.1-91.5)	87	82.9 (67.2-98.6)	76.2	81.3 (70.1-92.5)	93.6	96.6 (92.0-101.1)	86.6	90.2 (85.0-95.4)	88	88.1 (81.6-94.6)
	Other	10.6	15.2 (8.5-21.9)	13	17.1 (1.4-32.8)	23.8	18.7 (7.5-29.9)	6.4	3.4 (0.0-8.0)	13.4	9.8 (4.6-15.0)	12	11.9 (5.4-18.4)
Ethnicity	French Canadian or English Canadian	55.4	45.9 (36.9-54.8)	58.3	54.3 (35.8-72.9)	41.2	30.7 (19.8-41.7)	39.7	38.0 (15.1-60.8)	47.4	39.5 (29.2-49.8)	44.4	39.5 (24.6-54.3)
	Other	44.6	54.1 (45.2-63.1)	41.7	45.7 (27.1-64.2)	58.8	69.3 (58.3-80.2)	60.3	62.0 (39.2-84.9)	52.6	60.5 (50.2-70.8)	55.6	60.5 (45.7-75.4)
Born in Canada	No	38.6	46.4 (37.3-55.6)	35.2	42.2 (23.7-60.7)	38.1	48.8 (36.5-61.1)	39.7	52.4 (30.7-74.1)	35.6	44.5 (33.6-55.5)	39.8	44.3 (28.9-59.7)
	Yes	61.4	53.6 (44.4-62.7)	64.8	57.8 (39.3-76.3)	61.9	51.2 (38.9-63.5)	60.3	47.6 (25.9-69.3)	64.4	55.5 (44.5-66.4)	60.2	55.7 (40.3-71.1)
II. Sexual behavioural characteristics													
Gave or received money for sex in last 6 months	Yes	9.0	6.9 (2.7-11.1)	9.3	18.5 (1.5-35.4)	13.3	7.6 (1.3-13.8)	18.2	19.5 (0.1-38.8)	6.4	10.0 (3.4-16.6)	10.5	8.2 (1.9-14.6)
	No	91.0	93.1 (88.9-97.3)	90.7	81.5 (64.6-98.5)	86.7	92.4 (86.2-98.7)	81.8	80.5 (61.2-99.9)	93.6	90.0 (83.4-96.6)	89.5	91.8 (85.4-98.1)
Participated in group sex (>=4 persons) in last 6 months	Yes	25.8	20.6 (13.7-27.5)	44.4	37.3 (16.3-58.3)	44.6	30.0 (19.0-41.0)	59.0	44.2 (24.8-63.7)	24.7	17.3 (9.0-25.6)	42.9	34.1 (18.9-49.3)
	No	74.2	79.4 (72.5-86.3)	55.6	62.7 (41.7-83.7)	55.4	70.0 (59.0-81.0)	41.0	55.8 (36.3-75.2)	75.3	82.7 (74.4-91.0)	57.1	65.9 (50.7-81.1)
Sero-positioning as HIV prevention strategy	No	70.9	78.7 (70.8-86.6)	63.9	63.2 (44.3-82.2)	62.5	67.1 (55.1-79.1)	60.3	64.5 (43.8-85.2)	62.8	64.0 (53.9-74.2)	63.2	76.7 (65.9-87.5)
	Yes	29.1	21.3 (13.4-29.2)	36.1	36.8 (17.8-55.7)	37.5	32.9 (20.9-44.9)	39.7	35.5 (14.8-56.2)	37.2	36.0 (25.8-46.1)	36.8	23.3 (12.5-34.1)
Sero-sorting as HIV prevention strategy	No	36.4	40.8 (32.2-49.4)	36.1	37.7 (18.6-56.9)	34.4	35.0 (23.1-46.8)	30.8	30.1 (12.0-48.2)	34.8	47.5 (37.0-57.9)	36.8	42.9 (28.4-57.4)
	Yes	63.6	59.2 (50.6-67.8)	63.9	62.3 (43.1-81.4)	65.6	65.0 (53.2-76.9)	69.2	69.9 (51.8-88.0)	65.2	52.5 (42.1-63.0)	63.2	57.1 (42.6-71.6)

		Montreal (n=476)				Toronto (n=238)				Vancouver (n=386)			
Used PrEP in the P6M?		No (n=368)		Yes (n=108)		No (n=160)		Yes (n=78)		No (n=253)		Yes (n=133)	
		Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)
PrEP sorting as HIV prevention strategy	No	64.1	62.6 (53.7-71.4)	33.3	35.2 (17.6-52.8)	68.8	73.2 (63.1-83.4)	25.6	23.2 (5.5-40.9)	64.4	69.6 (59.6-79.5)	28.6	37.3 (22.9-51.8)
	Yes	35.9	37.4 (28.6-46.3)	66.7	64.8 (47.2-82.4)	31.2	26.8 (16.6-36.9)	74.4	76.8 (59.1-94.5)	35.6	30.4 (20.5-40.4)	71.4	62.7 (48.2-77.1)
Withdrawal as HIV prevention strategy	No	72.3	64.0 (55.2-72.8)	77.8	81.6 (70.1-93.1)	69.4	79.0 (68.8-89.1)	73.1	67.2 (48.9-85.4)	73.5	79.7 (71.1-88.3)	75.2	76.2 (63.4-89.0)
	Yes	27.7	36.0 (27.2-44.8)	22.2	18.4 (6.9-29.9)	30.6	21.0 (10.9-31.2)	26.9	32.8 (14.6-51.1)	26.5	20.3 (11.7-28.9)	24.8	23.8 (11.0-36.6)
Sexual compulsivity scale	<2.4	78.0	76.7 (70.0-83.3)	72.9	53.5 (34.6-72.3)	79.1	78.0 (68.3-87.8)	83.3	82.9 (67.2-98.7)	86.6	90.4 (86.7-94.1)	77.4	77.0 (65.1-88.9)
	>=2.4	22.0	23.3 (16.7-30.0)	27.1	46.5 (27.7-65.4)	20.9	22.0 (12.2-31.7)	16.7	17.1 (1.3-32.8)	13.4	9.6 (5.9-13.3)	22.6	23.0 (11.1-34.9)
III. Dimensions related to perceiving the need for care													
3.1 Perceived risk of HIV infection													
"I don't feel that I am at high enough risk to use PrEP."	Strongly disagree/disagree/neutral	54.4	56.0 (46.9-65.1)	88.0	80.9 (62.6-99.3)	54.1	50.2 (37.9-62.4)	98.7	99.6 (99.2-100.0)	56.9	50.7 (39.8-61.6)	90.8	92.1 (84.0-100.0)
	Agree/strongly agree	45.6	44.0 (34.9-53.1)	12.0	19.1 (0.7-37.4)	45.9	49.8 (37.6-62.1)	1.3	0.4 (0.0-0.8)	43.1	49.3 (38.4-60.2)	9.2	7.9 (0.0-16.0)
"HIV/AIDS is a less serious threat than it used to be because of new treatments."	Strongly agree/agree	50.1	49.6 (40.4-58.8)	60.2	62.6 (45.2-80.1)	67.5	70.4 (60.3-80.6)	80.8	82.4 (71.2-93.7)	72.7	59.2 (48.1-70.2)	82.7	73.6 (61.4-85.7)
	Disagree/strongly disagree	49.9	50.4 (41.2-59.6)	39.8	37.4 (19.9-54.8)	32.5	29.6 (19.4-39.7)	19.2	17.6 (6.3-28.8)	27.3	40.8 (29.8-51.9)	17.3	26.4 (14.3-38.6)
IV. Dimensions related to seeking care													
4.1 Impact of PrEP use on sexual behavioural													
"PrEP would allow me to have the sex I want."	Strongly agree/agree/neutral	65.6	62.2 (53.4-70.9)	92.6	83.8 (71.6-96.1)	75.2	78.7 (68.0-89.3)	96.2	94.6 (84.6-104.6)	77.0	65.8 (55.2-76.4)	91.7	89.2 (80.1-98.2)
	Disagree/strongly disagree	34.4	37.8 (29.1-46.6)	7.4	16.2 (3.9-28.4)	24.8	21.3 (10.7-32.0)	3.8	5.4 (0.0-15.4)	23.0	34.2 (23.6-44.8)	8.3	10.8 (1.8-19.9)
"If I were taking PrEP. I'd talk about it with my sexual partners."	Strongly agree/agree/neutral	94.2	93.7 (89.6-97.9)	96.3	97.0 (94.5-99.5)	98.1	99.1 (98.3-99.8)	94.9	86.4 (70.0-102.8)	96.8	92.8 (89.5-96.1)	99.2	98.0 (97.1-98.9)
	Disagree/strongly disagree	5.8	6.3 (2.1-10.4)	3.7	3.0 (0.5-5.5)	1.9	0.9 (0.2-1.7)	5.1	13.6 (0.0-30.0)	3.2	7.2 (3.9-10.5)	0.8	2.0 (1.1-2.9)

Appendix 3, as supplied by the authors. Appendix to: Cox J, Apelian H, Moodie EEM, et al. Use of HIV pre-exposure prophylaxis among urban Canadian gay, bisexual and other men who have sex with men: a cross-sectional analysis of the Engage cohort study. *CMAJ Open* 2021. DOI:10.9778/cmajo.20200198. Copyright © 2021 The Author(s) or their employer(s). To receive this resource in an accessible format, please contact us at cmajgroup.cmajca.

		Montreal (n=476)				Toronto (n=238)				Vancouver (n=386)			
Used PrEP in the P6M?		No (n=368)		Yes (n=108)		No (n=160)		Yes (n=78)		No (n=253)		Yes (n=133)	
		Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)
"If a guy is using PrEP it makes using condoms during anal sex less important."	Strongly agree/agree	31.1	29.1 (20.5-37.8)	60.2	50.5 (31.3-69.6)	46.2	42.4 (30.5-54.3)	80.8	81.2 (70.3-92.1)	47.0	35.3 (25.7-44.9)	78.9	83.6 (73.9-93.3)
	Disagree/strongly disagree	68.9	70.9 (62.2-79.5)	39.8	49.5 (30.4-68.7)	53.8	57.6 (45.7-69.5)	19.2	18.8 (7.9-29.7)	53.0	64.7 (55.1-74.3)	21.1	16.4 (6.7-26.1)
4.2 Community receptivity of PrEP													
"PrEP is well-perceived in the community."	Strongly agree/agree/neutral	81.9	83.0 (77.1-88.9)	76.9	77.0 (60.2-93.7)	94.3	97.3 (95.0-99.5)	88.5	90.5 (81.0-100.0)	91.5	96.4 (94.1-98.7)	94.7	92.9 (87.9-98.0)
	Disagree/strongly disagree	18.1	17.0 (11.1-22.9)	23.1	23.0 (6.3-39.8)	5.7	2.7 (0.5-5.0)	11.5	9.5 (0.0-19.0)	8.5	3.6 (1.3-5.9)	5.3	7.1 (2.0-12.1)
"I am worried about being negatively judged for taking PrEP."	Strongly disagree/disagree/neutral	74.4	71.0 (62.4-79.5)	78.7	76.7 (60.5-93.0)	83.9	81.2 (73.0-89.3)	74.0	76.8 (64.5-89.2)	79.8	73.5 (63.4-83.6)	85.0	81.3 (70.7-92.0)
	Agree/strongly agree	25.6	29.0 (20.5-37.6)	21.3	23.3 (7.0-39.5)	16.1	18.8 (10.7-27.0)	26.0	23.2 (10.8-35.5)	20.2	26.5 (16.4-36.6)	15.0	18.7 (8.0-29.3)
V. Dimensions related to reaching and paying for care													
5.1 Access to health services													
"Clinics where I could get PrEP are too far away."	Strongly disagree/disagree/neutral	93.2	94.5 (91.1-97.8)	87.0	82.3 (68.0-96.7)	92.1	93.5 (86.1-100.0)	97.3	94.9 (83.1-106.7)	92.7	87.0 (81.9-92.2)	93.1	93.8 (88.4-99.3)
	Agree/strongly agree	6.8	5.5 (2.2-8.9)	13.0	17.7 (3.3-32.0)	7.9	6.5 (0.0-13.9)	2.7	5.1 (0.0-16.9)	7.3	13.0 (7.8-18.1)	6.9	6.2 (0.7-11.6)
"At this time, how easy overall would you say it is for you to access PrEP?"	Very easy/easy	55.4	44.5 (35.1-53.9)	89.8	85.1 (72.6-97.6)	46.2	35.1 (23.7-46.4)	87.2	87.3 (76.4-98.1)	45.8	48.8 (37.9-59.6)	88.7	79.7 (70.0-89.4)
	Difficult/very difficult/don't know	44.6	55.5 (46.1-64.9)	10.2	14.9 (2.4-27.4)	53.8	64.9 (53.6-76.3)	12.8	12.7 (1.9-23.6)	54.2	51.2 (40.4-62.1)	11.3	20.3 (10.6-30.0)
"Most doctors do not know enough about PrEP to be comfortable prescribing it."	Strongly disagree/disagree/neutral	84.5	84.4 (78.0-90.9)	68.3	63.2 (44.2-82.3)	65.5	65.7 (53.2-78.2)	56.6	61.0 (38.4-83.5)	65.4	79.7 (72.3-87.0)	50.4	51.3 (36.7-65.8)

	Agree/strongly agree	15.5	15.6 (9.1-22.0)	31.7	36.8 (17.7-55.8)	34.5	34.3 (21.8-46.8)	43.4	39.0 (16.5-61.6)	34.6	20.3 (13.0-27.7)	49.6	48.7 (34.2-63.3)
		Montreal (n=476)				Toronto (n=238)				Vancouver (n=386)			
Used PrEP in the P6M?		No (n=368)		Yes (n=108)		No (n=160)		Yes (n=78)		No (n=253)		Yes (n=133)	
		Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)	Crude %	RDS % (95%CI)
VI. Dimensions related to engaging in care													
6.1 Implications of ongoing PrEP use													
"I would have difficulty taking PrEP medication every day."	Strongly disagree/disagree/neutral	64.9	66.7 (58.1-75.3)	77.8	84.9 (73.9-96.0)	73.0	71.4 (58.4-84.3)	96.1	95.2 (80.3-110.1)	81.5	81.6 (73.4-89.9)	89.4	80.5 (72.9-88.1)
	Agree/strongly agree	35.1	33.3 (24.7-41.9)	22.2	15.1 (4.0-26.1)	27.0	28.6 (15.7-41.6)	3.9	4.8 (0.0-19.7)	18.5	18.4 (10.1-26.6)	10.6	19.5 (11.9-27.1)
VII. Scales*													
Treatment optimism-skepticism scale (range:2-36)	median (IQR)	16 (6)		21 (7.3)		19 (6)		22.5 (5.0)		19 (6)		23 (6)	
Collective self-esteem scale (range: 3-12)	median (IQR)	9 (3)		9 (3.5)		9 (4)		10 (3)		9 (3)		9 (4)	
Sexual Altruism scale (range: 6-30)	median (IQR)	27 (6)		27 (7)		27 (5)		27.5 (6)		28 (6)		29 (5)	
Sexual compulsivity scale (range: 1-4)	median (IQR)	1.7 (1)		1.9 (1)		1.7 (0.8)		1.7 (0.8)		1.6 (0.8)		1.7 (0.8)	
Condom Barriers scale (range: 7- 35)	median (IQR)	19 (9)		17 (10)		19 (8)		17 (10)		19 (10)		17 (9)	

RDS respondent driven sampling, CI confidence interval.

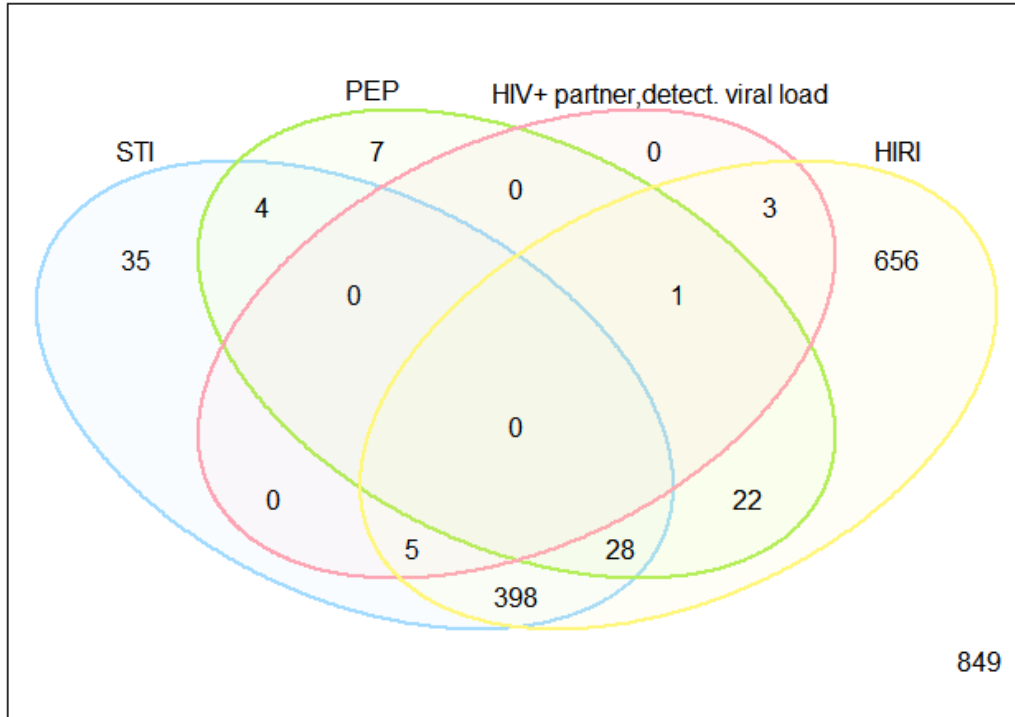
*The HIV Treatment Optimism-Skepticism Scale(1) includes 19 items related to the efficacy of antiretrovirals for both HIV treatment and reduced infectiousness. The scale ranges from 0 to 36, where higher scores indicate higher optimism in antiretroviral treatment.

The collective self-esteem scale(2) includes 3 items related to one's sense of belonging to the gay/bisexual/queer community. The scale ranges from 3 to 12, where higher score indicates higher collective self-esteem. The sexual altruism scale(3,4) includes 6 items related to "prevention altruism" or one's values, motivations, and practices in terms of sexual behavior to reduce HIV or STI transmission. The scale ranges from 6 to 30, where higher scores indicate higher sexual altruism.

References (specific to Table S2.2)

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Figure S1: Distribution of self-reported HIV-negative participants by Canadian PrEP guideline criteria (n=2008)



STI: condomless anal sex in the past six months and a diagnosis of syphilis or rectal sexually transmitted infection (STI) in the past year

PEP: condomless anal sex in the past six months and more than one previous use of HIV post-exposure prophylaxis (PEP)

HIV+ partner, detect. viral load: condomless anal sex in the past six months and an ongoing relationship with an HIV-positive partner who is at risk of transmitting HIV

HIRI: condomless anal sex in the past six months and an HIV incidence risk index for men who have sex with men (HIRI-MSM) score ≥ 11

Table S3: Distribution of self-reported HIV-negative participants by Canadian PrEP guideline criteria (n=2008)

	Self-reported HIV-negative or unknown participants			
	Montreal (n=968)	Toronto (n=418)	Vancouver (n=622)	Total (n=2008)
	n (crude %)	n (crude %)	n (crude %)	n (crude %)
PrEP recommendation criteria*				
CAS and syphilis or rectal bacterial STI (CAS and STI)	212 (21.9%)	96 (23.0%)	162 (26.0%)	470 (23.4%)
CAS and recurrent use of PEP (CAS and PEP)	45 (4.6%)	6 (1.4%)	11 (1.8%)	62 (3.1%)
CAS and ongoing relationship with an HIV+ partner at risk of transmitting HIV (CAS and HIV+ partner)	2 (0.2%)	3 (0.7%)	4 (0.6%)	9 (0.4%)
CAS and HIRI score ≥ 11 (CAS and HIRI+)	482 (49.8%)	243 (58.1%)	388 (62.4%)	1113 (55.4%)
Contribution of each criterion to PrEP recommendation				
Meets 1 criterion only: CAS and STI	20 (2.1%)	4 (1.0%)	11 (1.8%)	35 (1.7%)
Meets 1 criterion only: CAS and PEP	5 (0.5%)	0 (0%)	2 (0.3%)	7 (0.3%)
Meets 1 criterion only: CAS and HIV+ partner	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Meets 1 criterion only: CAS and HIRI+	277 (28.6%)	147 (35.2%)	232 (37.3%)	656 (32.7%)
Meets 2 criteria	188 (19.4%)	91 (21.8%)	148 (23.8%)	427 (21.3%)
Meets 3 criteria	21 (2.2%)	5 (1.2%)	8 (1.3%)	34 (1.7%)
Meets all 4 criteria	0 (0%)	0 (0%)	0 (0%)	0 (0%)
Does not meet any of the criteria/not PrEP recommended	457 (47.2%)	171 (40.9%)	221 (35.5%)	849 (42.3%)
* Proportions are not mutually exclusive CAS condomless anal sex STI sexually transmitted infection, PEP post exposure prophylaxis				

Table S4: Reasons for participation in the Engage Study				
	MTL (n=1179)	TO (n=517)	VAN (n=753)	Overall (n=2449)
“Please tell us the main reason why you are interested in participating in our study”				
Interested in sexual health and HIV	371 (31.5%)	163 (31.5%)	228 (30.3%)	762 (31.1%)
Wanted to help the community	297 (25.2%)	140 (27.1%)	185 (24.6%)	622 (25.4%)
Interested in gay men's issues	233 (19.8%)	85 (16.4%)	159 (21.1%)	477 (19.5%)
My friend/partner wanted me to participate	127 (10.8%)	79 (15.3%)	101 (13.4%)	307 (12.5%)
I am mostly interested in the \$50 incentive for participating	134 (11.4%)	47 (9.1%)	77 (10.2%)	258 (10.5%)
None of the above	17 (1.4%)	3 (0.6%)	3 (0.4%)	23 (0.9%)