

Table 3: Acceptability and usability of the mobile application used by 213 AMPrEP participants included in a randomized controlled trial on PrEP adherence using eHealth interventions, Amsterdam, 2016-2018. Comparison of acceptability and usability of the app between those assigned to the standard app and those assigned to the extended app.

	Median (IQR) ^a Likert score ^b Standard app users (N=97) (t=12)	Median (IQR) ^a Likert score ^b Extended app users (N=92) (t=12)	p-value	Median (IQR) ^a Likert score ^b Standard app users (N=52) (t=24)	Median (IQR) ^a Likert score ^b Extended app users (N=59) (t=24)	p-value
How often do you open the app?, n(%)			0.710			0.414
Never	5 (5.2)	8 (8.7)		6 (11.5)	12 (20.3)	
<1 per month	3 (3.1)	3 (3.3)		7 (13.5)	9 (15.3)	
1-5 per month	17 (17.5)	13 (14.1)		5 (9.6)	11 (18.6)	
1-5 per week	26 (26.8)	27 (29.4)		13 (25.0)	10 (17.0)	
5-7 per week	43 (44.3)	35 (38.0)		19 (36.5)	16 (27.1)	
>1 per day	3 (3.1)	6 (6.5)		2 (3.9)	1 (1.7)	
Is the app useful?^c	5 (4-6)	5 (4-6)	0.834	5 (3-6)	5 (3-6)	0.749
Is the app pleasant?^d	5 (4-6)	5 (4-6)	0.305	5 (4-6)	5 (3-6)	0.388
Is the app difficult?^e	6 (5-7)	6 (5-7)	0.381	6 (5-7)	6 (4-7)	0.193
Is it difficult to fill out the app daily?	5 (4-6)	5 (3-6)	0.656	4.5 (3-6)	4 (2-6)	0.048
Is filling out the app daily pleasant?	5 (4-6)	5 (4-6)	0.964	4 (3-6)	4 (3-6)	0.904
How often do you look at the calendar?			0.507			0.957

	Never	8 (8.3)	13 (14.1)		13 (25.0)	18 (30.5)	
	<1 per month	25 (25.8)	22 (23.9)		15 (28.9)	16 (27.1)	
	1-5 per month	40 (41.2)	34 (37.0)		13 (25.0)	15 (25.4)	
	1-5 per week	13 (13.4)	16 (17.4)		6 (11.5)	6 (10.2)	
	5-7 per week	9 (9.3)	7 (7.6)		5 (9.6)	4 (6.8)	
	>1 per day	2 (2.1)	0 (0.0)		0 (0.0)	0 (0.0)	
Is the calendar useful for tracking your PrEP use?		6 (4-7)	5 (3.5-6)	0.135	4.5 (3-6)	5 (2-6)	0.979
Is the calendar clear?		6 (5-7)	6 (4-7)	0.554	5 (4-6.5)	6 (4-7)	0.722
Is the calendar pleasant?		6 (4-6)	6 (4-7)	0.537	5 (4-6)	6 (3-7)	0.702
Is the calendar useful for tracking your sexual activities?		5 (4-6)	5 (4-6)	0.745	4 (3-6)	5 (3-6)	0.448
Is the calendar clear for tracking your sexual activities?		5 (3-6)	5 (3-6)	0.652	5 (3-6)	5 (4-6)	0.818
Is the calendar pleasant for tracking your sexual activities?		5 (4-6)	5 (4-6)	0.683	5 (3.5-6)	5 (4-6)	0.246
Did you setup a notification?				0.788			0.074
	No	43 (44.3)	39 (42.4)		22 (42.3)	35 (59.3)	
	Yes	54 (55.7)	53 (57.6)		30 (57.7)	24 (40.7)	
Does the app remind you to take your PrEP?^f		4 (2-5)	4 (2-6)	0.322	4 (1-5)	3 (1-6)	0.710
Do the notifications remind you to take your PrEP?		3 (1-5)	4 (1-6)	0.078	1.5 (1-5)	2 (1-5)	0.877
Does the calendar remind you to take you PrEP?		2 (1-5)	3 (1-5)	0.576	3 (1-5)	2 (1-4)	0.476

Table 3_

Do you read the general messages?				0.019		0.110
	No	4 (4.1)	10 (10.9)		3 (5.8)	11 (18.6)
	Sometimes	24 (24.7)	34 (37.0)		17 (32.7)	19 (32.2)
	Yes	69 (71.1)	48 (52.2)		32 (61.5)	29 (49.2)
If yes, do you read the message on the day you received it?^g				0.020		0.906
	Rarely	1 (1.5)	3 (6.3)		1 (3.1)	1 (3.5)
	Sometimes	6 (8.7)	9 (18.8)		3 (9.4)	4 (13.8)
	Usually	38 (55.1)	14 (29.2)		15 (46.9)	11 (37.9)
	Always	24 (34.8)	22 (45.8)		13 (40.6)	13 (44.8)
Median app score, (IQR)^h		7 (6-8)	8 (6-8)	0.066	7 (6-8)	7 (6-8)
						0.326

Abbreviations: IQR, interquartile range; PrEP, pre-exposure prophylaxis

- a. 7-point Likert scale, where 1 is the most negative and 7 is the most positive
- b. Unless otherwise indicated
- c. 1= not useful, 7=useful
- d. 1=unpleasant, 7=pleasant
- e. 1= very difficult, 7=very easy
- f. 1= not at all, 7= very much
- g. Among the participants who indicated that they read the general messages
- h. Median app score on a 1-10 scale (not a Likert scale), where 1= very bad, and 10=very good