

Supplemental file:

Table 1. Stigma scale

Item	Response range					
I feel ashamed of using PrEP.	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Prefer not to answer
I feel embarrassed about using PrEP.	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Prefer not to answer
I think I am not following the 'rules' of my community if I take PrEP to prevent HIV.	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Prefer not to answer
I think people will give me a hard time if I tell them I am on PrEP.	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Prefer not to answer
I think people will judge me if I am taking PrEP.	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Prefer not to answer
I think I am at greater risk for physical violence or rape if I am taking PrEP	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree	Prefer not to answer

Table 2. Social support

Item	Response range		
In general, how supported do you feel by the adults in your life?	Almost never supported	Sometimes supported	Almost always supported
In general, how supported you feel by your close friends?	Almost never supported	Sometimes supported	Almost always supported

Table 3. Intimate partner violence

Item	Response range		
In the past year, has your current or most recent partner punched, slapped, kicked, bit you, or caused you any time of physical harm?	Yes	No	Prefer not to answer
In the past year, has your current or most recent partner insulted, ignored or humiliated you, yelled at you, or made you feel ashamed or bad about yourself?	Yes	No	Prefer not to answer
In the past year, has your current or most recent partner forced you to have sex or perform any sexual act, or touched you sexually in any way that you did not want?	Yes	No	Prefer not to answer
In the past year, has your current or most recent partner made you feel afraid, unsafe, or in danger?	Yes	No	Prefer not to answer

Group-based trajectory modeling

A. 2-way SMS Trajectory groups

1. Identification of optimal trajectory number of 2-way SMS

Table 4. Identification of 2-way SMS Trajectory group

Shape parameters	BIC*= - (N=3732)	BIC= (N=336)	Entropy	Group size
0 0	-1884.47	-1880.86	0.855	1. 66.1 2. 33.9
0 0 0	-1853.14	-1847.12	0.824	1. 30.1 2. 61.9 3. 8.0
0 0 0 0	-1848.57	-1848.57	0.778	1. 10.7 2. 26.7 3. 58.7 4. 3.8

2. Identification of trajectories shapes of 2-way SMS:

Table 5. Identification of trajectories shapes of 2-way SMS

Shape parameters	BIC*= - (N=3732))	BIC= (N=336)	Entropy	Group size
0 2	-1878.34	-1872.32	0.850	1. 67.9 2. 32.1
2 0	-1888.41	-1882.39	0.856	1. 66.1 2. 33.9
2 2	-1880.38	-1871.95	0.850	1. 68.1 2. 31.9

B. Trajectories of TFV-DP levels in DBS

1. Identification of optimal number of trajectory groups of TFV-DP levels in DBS

Table 6. Number of Trajectory groups of TFV-DP levels in DBS sample size (398)

Shape parameters	BIC*= - (N=1049)	BIC= (N=368)	Entropy	Group size
00	--2269.18	-2267.09	0.774	1. 72.3 2. 27.7
000	-2267.50	-2264.36	0.757	1. 69.8 2. 25.0 3. 5.2
0000	-2274.46	-2270.27	0.473	1. 31.4 2. 35.6 3. 27.3 4. 5.7

3. *Identification of trajectories shapes of TFV-DP levels in DBS*

Table 7. Criteria for identification of trajectory shape:

Shape parameters	BIC= - (N=1049)	BIC= (N=368)	Entropy	Group size
0 1	-2245.77	-2243.15	0.732	1. 67.4 2.
1 0	-2163.41	-2160.80	0.844	1. 73.6 2. 26.4
1 1	-2146.83	-2143.69	0.844	1. 71.5 2. 28.5

C. Trajectories of voluntary participation in monthly adherence club

1. *Identification of optimal number of trajectory groups of voluntary participation in monthly adherence clubs*

Table 8. Number of Trajectory of voluntary participation in monthly adherence clubs

Shape parameters	BIC (N=1972)	BIC (N=368)	Entropy	Group size
0 0	-7339.65	-7336.29	0.817	28.5 71.5
000	-7347.23	-7342.20	0.884	71.5 28.5

2. *Identification of trajectory shapes of voluntary participation in monthly adherence clubs*

Table 9. Identification of trajectory shapes of voluntary participation in monthly adherence clubs

Shape parameters	BIC (N= 1972)	BIC (N=368)	Entropy	Group size
01	-7302.59	-7298.39	0.828	1. 28.8 2. 71.2
03	-7286.52	-7280.65	0.819	1. 31.0 2. 69.0
10	-7338.99	-7334.80	0.804	1. 31.8 2. 68.2
20	-7335.65	-7330.61	0.822	1. 32.3 2. 67.7
21	-7307.55	-7301.67	0.815	1. 30.7 2. 69.3
30	-7313.56	-7307.68	0.772	1. 32.9 2. 67.1

