Supplement for manuscript entitled:

Representativeness of participants in a randomized controlled trial on modalities of monitoring oral HIV pre-exposure prophylaxis use

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Supplementary Table 1a: Baseline socio-demographic characteristics and sexual behaviour of EZI-PrEP participants and other PrEP users of the Dutch National PrEP pilot Programme at the Centre for Sexual Health in Amsterdam, September 2021 - August 2022

Supplementary Table 1b: Baseline socio-demographic characteristics and sexual behaviour of EZI-PrEP participants and other PrEP users of the Dutch National PrEP pilot Programme at the Centre for Sexual Health in Rotterdam, September 2021 - August 2022

Supplementary Table 1c: Baseline socio-demographic characteristics and sexual behaviour of EZI-PrEP participants and other PrEP users of the Dutch National PrEP pilot Programme at the Centre for Sexual Health in the Hague, September 2021 - August 2022

Supplementary Table 1d: Baseline socio-demographic characteristics and sexual behaviour of EZI-PrEP participants and other PrEP users of the Dutch National PrEP pilot Programme at the Centre for Sexual Health in Nijmegen, September 2021 - August 2022

Supplementary Table 1a: Baseline socio-demographic characteristics and sexual behaviour of EZI-PrEP participants and other PrEP users of the Dutch National PrEP pilot Programme at the Centre for Sexual Health in Amsterdam, September 2021 - August 2022

	EZI-PrEP Amsterdam (n=252)		NPP Amsterdam (n=3026)		
	n[1]	*%*[1]	*n*[1]	*%*[1]	*p-value*[2]
Demographic characteristics					
Gender					
Male	247	98%	2,861	95%	0.017
Transgender or gender diverse	5	2%	165	5%	
Age in years					
Median, [IQR]	37	[30-47]	33	[28-43]	<0.001
<25years[3]	18	7%	378	12%	<0.001
25-34 years	84	33%	1,238	41%	
35-44 years	68	27%	733	24%	
≥45 years	82	33%	677	22%	
Country of birth					
The Netherlands[4]	152	60%	1,534	51%	0.013
Western and Central Europe and North America	36	14%	410	14%	
Eastern Europe and Central Asia	14	6%	175	6%	
Middle East and North Africa	10	4%	275	9%	
Latin America and the Caribbean	22	9%	394	13%	
Asia and the Pacific	12	5%	181	6%	
Sub-Saharan Africa	6	2%	47	2%	
Missing / unknown	0		10		
Highest completed or current education level[5]					
None, primary or other	5	2%	189	7%	0.005
Secondary	37	15%	321	12%	
College/university	205	83%	2,114	81%	

Missing / unknown	5		402		
PrEP use past year					
No use	23	9%	314	11%	0.656
Used PrEP 4-12 months prior to inclusion	5	2%	74	3%	
Used PrEP in the 3 months before inclusion	224	89%	2,572	87%	
Unknown/missing	0		66		
Sexual behaviour in preceding 6 months					
Number of sex partners, median [IQR][6]	7	[4-15]	6	[3-15]	0.164
Had insertive anal sex	227	90%	2,582	85%	0.038
Had receptive anal sex	205	81%	2,479	82%	0.820
Had condomless anal sex	245	97%	2,743	91%	<0.001
Had condomless insertive anal sex	223	88%	2,380	79%	<0.001
Had condomless receptive anal sex	202	80%	2,292	76%	0.114
Had group sex[7]	66	30%	791	27%	0.335
Did sex work[8]	0	0%	241	10%	<0.001
Had chemsex[9]	68	27%	699	23%	0.160
Injected drugs during or around sex[10]	3	1%	32	1%	0.748
Bacterial STI diagnoses					
Any bacterial STI[11]	48	20%	556	19%	0.741
***Neisseria gonorrhoeae*[12]**	26	11%	344	12%	0.661
***Chlamydia trachomatis*[13]**	22	9%	268	9%	0.994
Infectious syphilis[14]	6	2%	47	2%	0.303

1. Unless stated otherwise

2. Based on Wilcoxon rank-sum tests for continuous variables and Pearson's χ^2 or Fisher's exact for categorical variables.

3. Binary comparison of 18-25 year old vs ≥25 years old, p-value 0.012.

4. Binary comparison of those born in the Netherlands vs not born in the Netherlands, p-value 0.004.

5. None or Primary or other: no education, elementary school, lbo, mavo, vmbo, mbo-1; Secondary: mbo-2-4, havo, vwo; University or College: university of applied sciences, university. Binary comparison of college/university vs. secondary, none/primary/other, p-value 0.354.

6. Missing/unkown: EZI-PrEP (n=6), NPP (n=66).

7. Missing/unkown: EZI-PrEP (n=30), NPP (n=69).

8. Missing/unkown: EZI-PrEP (n=7), NPP (n=545).

9. Chemsex: sex under influence of one or more of the following drugs: crystal methamphetamine; mephedrone; GHB/GBL; ketamine. Missing/unkown: EZI-PrEP (n=1),NPP (n=10).

10. Drugs included: 3-mmc; heroin; ketamine; cocaine. Missing/unkown: EZI-PrEP (n=1),NPP (n=10).

11. Having at least 1 bacterial STI. Missing/unknown: EZI-PrEP (n=12),NPP (n=119).

12. Missing/unknown: EZI-PrEP (n=13),NPP (n=118).

13. Missing/unknown: EZI-PrEP (n=13),NPP (n=119).

14. Infectious syphilis: Lues I, Lues II, Lues latens recens. Missing/unkown: EZI-PrEP (n=7),NPP (n=49).

Note: Proportions are based on complete data; missing/unknown data excluded from calculations.

EZI-PrEP: E-Health for Zero Infections - facilitating access to and use of Pre-Exposure Prophylaxis in the Netherlands; IQR: interquartile range; PrEP: pre-exposure prophylaxis; STI: sexually transmitted infection.

Supplementary Table 1b: Baseline socio-demographic characteristics and sexual behaviour of EZI-PrEP participants and other PrEP users of the Dutch National PrEP pilot Programme at the Centre for Sexual Health in Rotterdam, September 2021 - August 2022

	EZI-PrEP Rotterdam (n=112)		NPP Rotterdam (n=1233)		
	n[1]	*%*[1]	*n*[1]	*%*[1]	*p-value*[2]
Demographic characteristics					
Gender					
Male	112	100%	1,216	99%	0.389
Transgender or gender diverse	0	0%	17	1%	
Age in years					
Median, [IQR]	32	27-41	35	28-43	0.058
<25years[3]	20	18%	150	12%	0.098
25-34 years	48	43%	460	37%	
35-44 years	22	20%	336	27%	
≥45 years	22	20%	287	23%	
Country of birth					
The Netherlands[4]	83	74%	806	65%	0.011
Western and Central Europe and North America	9	8%	80	6%	
Eastern Europe and Central Asia	0	0%	54	4%	
Middle East and North Africa	1	1%	60	5%	
Latin America and the Caribbean	9	8%	159	13%	
Asia and the Pacific	8	7%	51	4%	
Sub-Saharan Africa	2	2%	22	2%	
Missing / unknown	0		1		
Highest completed or current education level[5]					
None, primary or other	0	0%	49	4%	0.013
Secondary	20	18%	289	24%	
College/university	91	82%	868	72%	

Missing / unknown	1		27		
PrEP use past year					
No use	11	10%	63	5%	0.067
Used PrEP 4-12 months prior to inclusion	0	0%	18	1%	
Used PrEP in the 3 months before inclusion	101	90%	1,149	93%	
Unknown/missing	0		3		
Sexual behaviour in preceding 6 months					
Number of sex partners, median [IQR][6]	8	[4-15]	6	[4-12]	0.278
Had insertive anal sex	93	83%	1,066	86%	0.315
Had receptive anal sex	100	89%	1,059	86%	0.319
Had condomless anal sex	103	92%	1,158	94%	0.413
Had condomless insertive anal sex	88	79%	1,005	82%	0.446
Had condomless receptive anal sex	96	86%	986	80%	0.142
Had group sex[7]	48	43%	525	43%	0.971
Did sex work[8]	3	3%	24	2%	0.488
Had chemsex[9]	27	24%	269	22%	0.582
Injected drugs during or around sex[10]	0	0%	8	1%	1.000
Bacterial STI diagnoses					
Any bacterial STI[11]	16	15%	194	16%	0.685
***Neisseria gonorrhoeae*[12]**	9	8%	108	9%	0.785
***Chlamydia trachomatis*[13]**	7	6%	97	8%	0.547
Infectious syphilis[14]	1	1%	15	1%	1.000

1. Unless stated otherwise

2. Based on Wilcoxon rank-sum tests for continuous variables and Pearson's $\chi 2$ or Fisher's exact for categorical variables.

3. Binary comparison of 18-25 year old vs ≥25 years old, p-value 0.083.

4. Binary comparison of those born in the Netherlands vs not born in the Netherlands, p-value 0.063.

5. None or Primary or other: no education, elementary school, lbo, mavo, vmbo, mbo-1; Secondary: mbo-2-4, havo, vwo; University or College: university of applied sciences, university. Binary comparison of college/university vs. secondary, none/primary/other, p-value 0.023.

6. Missing/unkown: EZI-PrEP (n=0), NPP (n=1).

7. Missing/unkown: EZI-PrEP (n=1), NPP (n=24).

8. Missing/unkown: EZI-PrEP (n=0), NPP (n=3).

9. Chemsex: sex under influence of one or more of the following drugs: crystal methamphetamine; mephedrone; GHB/GBL; ketamine. Missing/unkown: EZI-PrEP (n=0),NPP (n=2).

10. Drugs included: 3-mmc; heroin; ketamine; cocaine. Missing/unkown: EZI-PrEP (n=0),NPP (n=2).

11. Having at least 1 bacterial STI. Missing/unknown: EZI-PrEP (n=3),NPP (n=33).

12. Missing/unknown: EZI-PrEP (n=2),NPP (n=27).

13. Missing/unknown: EZI-PrEP (n=3),NPP (n=28).

14. Infectious syphilis: Lues I, Lues II, Lues latens recens. Missing/unkown: EZI-PrEP (n=2),NPP (n=16).

Note: Proportions are based on complete data; missing/unknown data excluded from calculations.

EZI-PrEP: E-Health for Zero Infections - facilitating access to and use of Pre-Exposure Prophylaxis in the Netherlands; IQR: interquartile range; PrEP: pre-exposure prophylaxis; STI: sexually transmitted infection.

Supplementary Table 1c: Baseline socio-demographic characteristics and sexual behaviour of EZI-PrEP participants and other PrEP users of the Dutch National PrEP pilot Programme at the Centre for Sexual Health in the Hague, September 2021 - August 2022

	EZI-PrEP The Hague (n=75)		NPP The Hague (n=542)		
	n[1]	*%*[1]	*n*[1]	*%*[1]	*p-value*[2]
Demographic characteristics					
Gender					
Male	75	100%	520	96%	0.095
Transgender or gender diverse	0	0%	22	4%	
Age in years					
Median, [IQR]	38	[32-48]	34	[27-46]	0.012
<25years[3]	4	5%	87	16%	0.079
25-34 years	28	37%	199	37%	
35-44 years	16	21%	105	19%	
≥45 years	27	36%	151	28%	
Country of birth					
The Netherlands[4]	56	75%	328	61%	0.050
Western and Central Europe and North America	8	11%	49	9%	
Eastern Europe and Central Asia	0	0%	24	4%	
Middle East and North Africa	0	0%	27	5%	
Latin America and the Caribbean	8	11%	64	12%	
Asia and the Pacific	2	3%	39	7%	
Sub-Saharan Africa	1	1%	9	2%	
Missing / unknown	0		2		
Highest completed or current education level[5]					
None, primary or other	5	7%	48	10%	0.526
Secondary	8	11%	70	14%	
College/university	60	82%	379	76%	

Missing / unknown	2		45		
PrEP use past year					
No use	14	19%	163	31%	0.075
Used PrEP 4-12 months prior to inclusion	2	3%	16	3%	
Used PrEP in the 3 months before inclusion	59	79%	353	66%	
Unknown/missing	0		10		
Sexual behaviour in preceding 6 months					
Number of sex partners, median [IQR][6]	6	[3-10]	6	[4-12]	0.483
Had insertive anal sex	62	83%	451	83%	0.906
Had receptive anal sex	70	93%	486	90%	0.319
Had condomless anal sex	70	93%	497	92%	0.627
Had condomless insertive anal sex	59	79%	421	78%	0.846
Had condomless receptive anal sex	66	88%	452	83%	0.308
Had group sex[7]	32	43%	179	33%	0.109
Did sex work[8]	0	0%	22	4%	0.153
Had chemsex[9]	16	21%	81	15%	0.154
Injected drugs during or around sex[10]	0	0%	7	1%	1.000
Bacterial STI diagnoses					
Any bacterial STI[11]	14	19%	84	16%	0.583
***Neisseria gonorrhoeae*[12]**	6	8%	46	9%	0.808
***Chlamydia trachomatis*[13]**	8	11%	48	9%	0.691
Infectious syphilis[14]	1	1%	7	1%	1.000

1. Unless stated otherwise

2. Based on Wilcoxon rank-sum tests for continuous variables and Pearson's $\chi 2$ or Fisher's exact for categorical variables.

3. Binary comparison of 18-25 year old vs ≥25 years old, p-value 0.014.

4. Binary comparison of those born in the Netherlands vs not born in the Netherlands, p-value 0.020.

5. None or Primary or other: no education, elementary school, lbo, mavo, vmbo, mbo-1; Secondary: mbo-2-4, havo, vwo; University or College: university of applied sciences, university. Binary comparison of college/university vs. secondary, none/primary/other, p-value 0.260.

6. Missing/unkown: EZI-PrEP (n=6), NPP (n=26).

7. Missing/unkown: EZI-PrEP (n=0), NPP (n=4).

8. Missing/unkown: EZI-PrEP (n=14), NPP (n=26).

9. Chemsex: sex under influence of one or more of the following drugs: crystal methamphetamine; mephedrone; GHB/GBL; ketamine. Missing/unkown: EZI-PrEP (n=0),NPP (n=0).

10. Drugs included: 3-mmc; heroin; ketamine; cocaine. Missing/unkown: EZI-PrEP (n=0),NPP (n=0).

11. Having at least 1 bacterial STI. Missing/unknown: EZI-PrEP (n=0),NPP (n=22).

12. Missing/unknown: EZI-PrEP (n=0),NPP (n=22).

13. Missing/unknown: EZI-PrEP (n=0),NPP (n=22).

14. Infectious syphilis: Lues I, Lues II, Lues latens recens. Missing/unkown: EZI-PrEP (n=0),NPP (n=19).

Note: Proportions are based on complete data; missing/unknown data excluded from calculations.

EZI-PrEP: E-Health for Zero Infections - facilitating access to and use of Pre-Exposure Prophylaxis in the Netherlands; IQR: interquartile range; PrEP: pre-exposure prophylaxis; STI: sexually transmitted infection.

Supplementary Table 1d: Baseline socio-demographic characteristics and sexual behaviour of EZI-PrEP participants and other PrEP users of the Dutch National PrEP pilot Programme at the Centre for Sexual Health in Nijmegen, September 2021 - August 2022

	EZI-PrEP Nijmegen (n=30)		NPP Nijmegen (n=360)		
	n[1]	*%*[1]	*n*[1]	*%*[1]	*p-value*[2]
Demographic characteristics					
Gender					
Male	30	100%	357	99%	0.616
Transgender or gender diverse	0	0%	3	1%	
Age in years					
Median, [IQR]	37	[26-53]	43	[31-53]	0.169
<25years[3]	6	20%	40	11%	0.394
25-34 years	8	27%	78	22%	
35-44 years	5	17%	79	22%	
≥45 years	11	37%	163	45%	
Country of birth					
The Netherlands[4]	28	93%	314	87%	0.782
Western and Central Europe and North America	2	7%	9	3%	
Eastern Europe and Central Asia	0	0%	10	3%	
Middle East and North Africa	0	0%	8	2%	
Latin America and the Caribbean	0	0%	10	3%	
Asia and the Pacific	0	0%	4	1%	
Sub-Saharan Africa	0	0%	5	1%	
Missing / unknown	0		0		
Highest completed or current education level[5]					
None, primary or other	2	7%	35	10%	0.510
Secondary	7	23%	111	32%	
College/university	21	70%	201	58%	

Missing / unknown	0		13		
PrEP use past year					
No use	6	20%	25	7%	0.023
Used PrEP 4-12 months prior to inclusion	0	0%	18	5%	
Used PrEP in the 3 months before inclusion	24	80%	315	88%	
Unknown/missing	0		2		
Sexual behaviour in preceding 6 months					
Number of sex partners, median [IQR][6]	9	[5-20]	5	[3-10]	0.013
Had insertive anal sex	24	80%	305	85%	0.494
Had receptive anal sex	25	83%	305	85%	0.839
Had condomless anal sex	29	97%	328	91%	0.294
Had condomless insertive anal sex	24	80%	286	79%	0.942
Had condomless receptive anal sex	24	80%	288	80%	1.000
Had group sex[7]	22	73%	177	50%	0.013
Did sex work[8]	0	0%	4	1%	0.725
Had chemsex[9]	12	40%	108	30%	0.259
Injected drugs during or around sex[10]	0	0%	8	2%	0.523
Bacterial STI diagnoses					
Any bacterial STI[11]	6	20%	60	17%	0.660
***Neisseria gonorrhoeae*[12]**	4	13%	26	7%	0.273
***Chlamydia trachomatis*[13]**	3	10%	30	8%	0.732
Infectious syphilis[14]	0	0%	9	3%	1.000

1. Unless stated otherwise

2. Based on Wilcoxon rank-sum tests for continuous variables and Pearson's $\chi 2$ or Fisher's exact for categorical variables.

3. Binary comparison of 18-25 year old vs ≥25 years old, p-value 0.147.

4. Binary comparison of those born in the Netherlands vs not born in the Netherlands, p-value 0.328.

5. None or Primary or other: no education, elementary school, lbo, mavo, vmbo, mbo-1; Secondary: mbo-2-4, havo, vwo; University or College: university of applied sciences, university. Binary comparison of college/university vs. secondary, none/primary/other, p-value 0.197.

6. Missing/unkown: EZI-PrEP (n=0), NPP (n=3).

7. Missing/unkown: EZI-PrEP (n=0), NPP (n=5).

8. Missing/unkown: EZI-PrEP (n=0), NPP (n=0).

9. Chemsex: sex under influence of one or more of the following drugs: crystal methamphetamine; mephedrone; GHB/GBL; ketamine. Missing/unkown: EZI-PrEP (n=0),NPP (n=1).

10. Drugs included: 3-mmc; heroin; ketamine; cocaine. Missing/unkown: EZI-PrEP (n=0),NPP (n=1).

11. Having at least 1 bacterial STI. Missing/unknown: EZI-PrEP (n=0),NPP (n=4).

12. Missing/unknown: EZI-PrEP (n=0),NPP (n=2).

13. Missing/unknown: EZI-PrEP (n=0),NPP (n=2).

14. Infectious syphilis: Lues I, Lues II, Lues latens recens. Missing/unkown: EZI-PrEP (n=0),NPP (n=3).

Note: Proportions are based on complete data; missing/unknown data excluded from calculations.

EZI-PrEP: E-Health for Zero Infections - facilitating access to and use of Pre-Exposure Prophylaxis in the Netherlands; IQR: interquartile range; PrEP: pre-exposure prophylaxis; STI: sexually transmitted infection.