

Table S1: Socio-demographic, HIV acquisition and Sexual Health characteristics of individuals diagnosed with HIV: comparisons made by whether infection was 'potentially-preventable' with the implemented PrEP model

COHORT DIVIDED BY WHETHER INFECTIONS WERE 'POTENTIALLY-PREVENTABLE'										
	All diagnosed			'Potentially-preventable'			Not 'potentially-preventable'			P value*
	Number	%	Confidence Interval	Number	%	Confidence Interval	Number	%	Confidence Interval	
Total in cohort	615			49			566			
PATIENT DEMOGRAPHICS										
Gender										<0.001
Male	484	78.7%	75.3-81.8%	49	100.0%	92.7-100%	435	76.9%	73.2-80.1%	<0.001
Female	131	21.3%	18.2-24.7%	0	0.0%	0.0-7.3%	131	23.1%	19.9-26.8%	<0.001
Age in years										0.004
<40	344	55.9%	52.0-59.8%	37	75.5%	61.9-85.4%	307	54.2%	50.1-58.3%	0.004
≥40	271	44.1%	40.2-48.0%	12	24.5%	14.6-38.1%	259	45.8%	41.7-49.9%	0.004
Ethnicity										0.004**
White British	453	73.7%	70.0-77.0%	38	77.6%	64.1-87.0%	415	73.3%	69.5-76.8%	-
White other	48	7.8%	5.9-10.2%	9	18.4%	10.0-31.4%	39	6.9%	5.1-9.3%	-
Black African	67	10.9%	8.7-13.6%	0	0.0%	0.0-7.3%	67	11.8%	9.4-14.8%	0.010
Any other ethnicity	33	5.4%	3.8-7.4%	2	4.1%	1.1-13.7%	31	5.5%	3.9-7.7%	-
Not known	14	2.3%	1.4-3.8%	0	0.0%	0.0-7.3%	14	2.5%	1.5-4.1%	-
Area of residence										0.156
Urban health board (contains a city with population >100,000 people)	449	73.0%	69.4-76.4%	40	81.6%	68.6-90.0%	409	72.3%	68.4-75.8%	-
Rural health board	166	27.0%	23.6-30.6%	9	18.4%	10.0-31.4%	157	27.7%	24.2-31.6%	-
Scottish Index of Multiple Deprivation										0.248**
1 (most deprived)	219	35.6%	31.9-39.5%	11	22.4%	13.0-35.9%	208	36.7%	32.9-40.8%	-
2	123	20.0%	17.0-23.3%	11	22.4%	13.0-35.9%	112	19.8%	16.7-23.3%	-

3	92	15.0%	12.4-18.0%	10	20.4%	11.5-33.6%	82	14.5%	11.8-17.6%	-
4	80	13.0%	10.6-15.9%	7	14.3%	7.1-26.7%	73	12.9%	10.4-15.9%	-
5 (least deprived)	75	12.2%	9.8-15.0%	9	18.4%	10.0-31.4%	66	11.7%	9.3-14.6%	-
Unknown	26	4.2%	2.9-6.1%	1	2.0%	0.4-10.7%	25	4.4%	3.0-6.4%	-
HIV ACQUISITION										
Route of HIV transmission										<0.001**
Heterosexual sex	191	31.1%	27.5-34.8%	0	0.0%	0.0-7.3%	191	33.7%	30.0-37.7%	<0.001
Sex between men	300	48.8%	44.8-52.7%	49	100.0%	92.7-100%	251	44.3%	40.3-48.4%	<0.001
Intravenous drug use	102	16.6%	13.9-19.7%	0	0.0%	0.0-7.3%	102	18.0%	15.1-21.4%	<0.001
Other (inc blood/tissue products and mother to child transmission)	7	1.1%	0.6-2.3%	0	0.0%	0.0-7.3%	7	1.2%	0.6-2.5%	-
Unknown	15	2.4%	1.5-4.0%	0	0.0%	0.0-7.3%	15	2.7%	1.6-4.3%	-
Country of exposure										0.203**
Scotland	416	67.6%	63.8-71.2%	39	79.6%	66.4-88.5%	377	66.6%	62.6-70.4%	-
Rest of UK	38	6.2%	4.5-8.4%	2	4.1%	1.1-13.7%	36	6.4%	4.6-8.7%	-
European Region	36	5.9%	4.3-8.0%	3	6.1%	2.1-16.5%	33	5.8%	4.2-8.1%	-
Outwith European region	120	19.5%	16.6-22.8%	5	10.2%	4.4-21.8%	115	20.3%	17.2-23.8%	-
Unknown	5	0.8%	0.3-1.9%	0	0.0%	0.0-7.3%	5	0.9%	0.4-2.1%	-
SEXUAL HEALTH DATA										
Documented to have met PrEP eligibility criteria at sexual health services										<0.001**
Met eligibility criteria	79	12.8%	10.4-15.7%	49	100.0%	92.7-100%	30	5.3%	3.7-7.5%	<0.001
Eligibility criteria 1-3 not met	124	20.2%	17.2-23.5%	0	0.0%	0.0-7.3%	124	21.9%	18.7-25.5%	<0.001
Unknown (no sexual health service attendance)	412	67.0%	63.2-70.6%	0	0.0%	0.0-7.3%	412	72.8%	69.0-76.3%	-
Ever prescribed PEPSE at SHS										<0.001
Prescribed PEPSE previously	19	3.1%	2.0-4.8%	12	24.5%	14.6-38.1%	7	1.2%	0.6-2.5%	<0.001

Not prescribed PEPSE previously	596	96.9%	95.2-98.0%	37	75.5%	61.9-85.4%	559	98.8%	97.5-99.4%	<0.001
Recency of acquisition										
Recent (negative test within previous 12 months or according to avidity)	170	27.6%	24.3-31.3%	49	100.0%	92.7-100%	121	21.4%	18.2-24.9%	<0.001
Established infection (according to avidity, and no negative HIV test within 12 months)	394	64.1%	60.2-67.8%	0	0.0%	0.0-7.3%	394	69.6%	65.7-73.3%	<0.001
Unknown (according to avidity, and no negative HIV test within 12 months)	51	8.3%	6.4-10.7%	0	0.0%	0.0-7.3%	51	9.0%	6.9-11.7%	-

*P values compare characteristics of individuals using Chi-square tests. Where findings are statistically significant, the specific characteristics holding the significance also have the p value stated.

**Unknown category excluded in the analysis