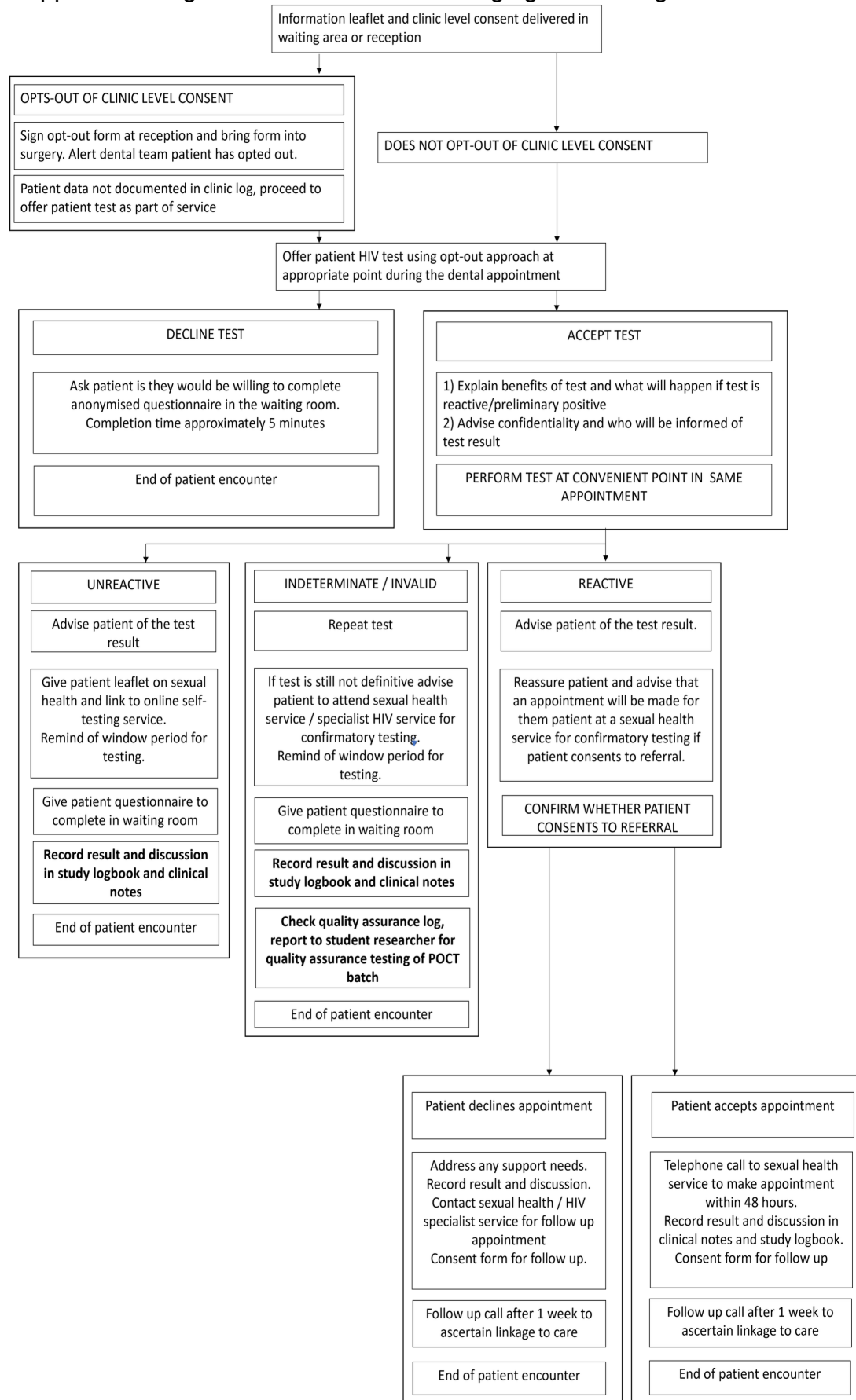


Supplemental figure 1: Flow chart for managing HIV testing intervention.



Supplemental Table 1: Training programme delivery

Training component	Method(s) of teaching	Educator(s)	Assessment(s)
Operating the INSTI® test	Hands-on training	Pasante sales representative	Visual observation of test operation and hands-on practice
Recording test offer, uptake and outcome on study log	Presentation and hands-on entries into study log	Lead researcher	Review of clinic log accuracy during pre-pilot phase and at interim site visits
Integrate the testing process into the dental setting	Team practical to decide approach to integrate testing into practice	Lead researcher	Assessed through group discussion and with dental teams and clinical research nurses
HIV knowledge update	Presentation	Sexual health consultant	Assessed through group discussion and with dental teams and clinical research nurses and during focus group following pre-pilot phase
Delivering HIV test results and managing reactive results	Presentation Role-play and scripts	Local sexual health service, PPI advisory group members, lead researcher	Observation of role plays and real-time feedback from sexual health staff

Supplemental Table 2: HIV testing history and willingness to accept HIV testing (table includes participants who disclosed 1) their response to HIV testing offer and 2) their HIV testing history in the patient survey)

HIV testing history	Survey response: Test offer accepted n(%) (n = 160)	Survey response: Test offer declined n(%) (n = 125)	p-value
<i>Ever tested before</i>			0.788
Yes	102	75	
No	54	37	
Missing / unknown	4		
Total	160 (100)	112 (100)	
<i>Time since last test</i>			0.056
Less than 3 months	11 (37.9)	18 (62.1)	
3 – 12 months	30 (53.6)	26 (46.4)	
1 – 5 years	27 (65.9)	14 (34.1)	
More than 5 years	33 (70.2)	14 (29.8)	
Never tested	54 (59.3)	37 (40.7)	
Missing / unknown	5		
Total	155		
<i>Time since last test</i>			0.008
Up to 12 months	41 (48.2)	44 (51.8)	
More than 12 months	60 (68.2)	28 (31.8)	
Never tested and missing - Excluded from analysis	54 (59.3)	37 (40.7)	
Total			

Supplemental Table 1: Demographics of participants by recruitment sites.

Demographics	CDS1 (% site participants)	Private GDS (% site participants)	CDS2 (% site participants)	NHS GDS (% site participants)	Total (% all participants)	p-value
<i>All</i>	69 (15.6)	243 (55.1)	35 (7.9)	94 (21.3)	441 (100)	
<i>Gender</i>						<0.001
Male	60 (87.0)	147 (60.5)	29 (82.9)	53 (56.4)	289 (65.5)	
Female	8 (11.6)	96 (39.5)	6 (17.1)	41 (43.6)	151 (34.2)	
Missing / unknown*	1 (1.4)	0 (0.0)	0 (0.0)	0 (0.0)	1 (0.2)	
<i>Age (years)</i>						<0.001
18-29	5 (7.7)	7 (2.8)	2 (3.0)	29 (30.0)	43 (9.8)	
30 – 39	13 (18.8)	45 (18.5)	3 (8.6)	28 (29.8)	89 (20.2)	
40 – 49	12 (17.4)	60 (24.7)	6 (17.1)	17 (18.1)	95 (21.5)	
50 – 59	26 (37.7)	73 (29.6)	15 (42.9)	10 (10.6)	124 (28.1)	
60 – 69	9 (13.0)	34 (14.0)	4 (11.4)	7 (7.64)	54 (12.2)	
70+	2 (2.9)	18 (7.4)	5 (14.3)	1 (1.1)	26 (5.9)	
Missing / unknown*	2 (2.9)	6 (2.5)	0 (0.0)	2 (2.1)	10 (2.3)	
<i>Mean age (+/- SD) years</i>	48.2 (+/- 12.2)	50.6 (+/-12.8)	54.0 (+/-14.5)	38.1 (+/-13.7)	47.8 (+/- 14.0)	<0.001
<i>Age binary</i>						<0.001

Demographics	CDS1 (% site participants)	Private GDS (% site participants)	CDS2 (% site participants)	NHS GDS (% site participants)	Total (% all participants)	p-value
<i>Under 50 years</i>	30 (43.5)	112 (46.1)	11 (31.4)	74 (78.7)	227 (51.5)	
<i>50 years and above</i>	37 (53.6)	125 (51.4)	24 (68.6)	18 (19.1)	204 (46.3)	
<i>Missing / unknown*</i>	2 (2.9)	6 (2.5)	0 (0.0)	2 (2.1)	10 (2.3)	
Ethnicity						<0.001
White British or Irish	14 (20.3)	202 (83.1)	30 (85.7)	35 (37.2)	281 (63.7)	
Any other White background	28 (40.6)	28 (11.5)	2 (5.7)	7 (7.4)	65 (14.7)	
Black or Black British	9 (13.0)	1 (0.4)	1 (0.4)	28 (29.8)	39 (8.8)	
Any other Black background	0 (0.0)	0 (0.0)	0 (0.0)	2 (2.1)	2 (0.5)	
White and Black	1 (1.4)	0 (0.0)	0 (0.0)	3 (3.2)	4 (0.9)	
White and Asian	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	
Any other mixed background	2 (2.9)	1 (0.4)	0 (0.0)	3 (3.2)	6 (1.4)	
Arab	4 (5.8)	1 (0.4)	0 (0.0)	1 (1.1)	6 (1.4)	
Hispanic / Latino	2 (2.9)	2 (0.8)	1 (2.9)	1 (1.1)	6 (1.4)	
Asian / Asian British	5 (7.2)	6 (2.5)	0 (0.0)	12 (12.8)	23 (5.2)	
Any other ethnic group	2 (2.9)	1 (0.4)	1 (2.9)	2 (2.1)	6 (1.4)	
Missing / unknown*	2 (2.9)	1 (0.4)	0 (0.0)	0 (0.0)	3 (0.7)	

[illegible]

Supplemental Table 4: Characteristics of participants who declined and accepted HIV testing.

Independent variables	Test declined n(%)	Test accepted n(%)	Total n(%)	p-value*
<i>Gender</i>				0.75
Male	148 (51.4)	140 (48.6)	288 (100.0)	
Female	80 (53.0)	71 (47.0)	151 (100.0)	
<i>Age (years)</i>				0.08
18-29	13 (30.2)	30 (69.8)	43 (100.0)	
30 - 39	48 (54.5)	40 (45.5)	88 (100.0)	
40 - 49	52 (54.7)	43 (45.3)	95 (100.0)	
50 - 59	62 (50.0)	62 (50.0)	124 (100.0)	
60 - 69	32 (59.3)	22 (40.7)	54 (100.0)	
70+	14 (53.8)	12 (46.2)	26 (100.0)	
<i>Age binary</i>				0.54
< 50 years	113 (50.0)	113 (50.0)	226 (100.0)	
50 years and over	108 (52.9)	96 (47.1)	204 (100.0)	
<i>Mean age (+/- SD) years</i>	49.1 (+/- 13.5)	46.5 (+/- 14.5)	2.59 (95% CI [0.58 – 5.24])	0.06
<i>Ethnicity</i>				0.01
White British or Irish	161 (57.3)	120 (42.7)	281 (100.0)	
Any other White background	35 (53.8)	30 (46.2)	65 (100.0)	
Black or Black British	13 (33.3)	26 (66.7)	39 (100.0)	

Independent variables	Test declined n(%)	Test accepted n(%)	Total n(%)	p-value*
Any other Black background	0 (0.0)	2 (100.0)	2 (100.0)	
White and Black	2 (50.0)	2 (50.0)	4 (100.0)	
White and Asian	0 (0.0)	0 (0.0)	0 (0.0)	
Any other mixed background	1 (16.7)	5 (83.3)	6 (100.0)	
Arab	2 (40.0)	3 (60.0)	5 (100.0)	
Hispanic / Latino	3 (50.0)	3 (50.0)	6 (100.0)	
Asian / Asian British	10 (43.5)	13 (56.5)	23 (100.0)	
Any other ethnic group	0 (0.0)	6 (100.0)	6 (100.0)	
<i>Ethnicity binary</i>	(N = 227)	(N = 210)		<0.001
White(any)	196 (56.6)	150 (43.4)	346 (100.0)	
BAME(any)	31 (34.1)	60 (65.9)	91 (100.0)	
<i>Site</i>				<0.001
CDS1	23 (33.8)	45 (66.2)	68 (100.0)	
Private	151 (62.1)	92 (37.9)	243 (100.0)	
CDS2	17 (48.6)	18 (51.4)	35 (100.0)	
NHS GDS	37 (39.4)	57 (60.6)	94 (100.0)	
<i>Site binary</i>				<0.001
NHS (any)	77 (39.1)	120 (60.9)	197 (100.0)	
Private	151 (62.1)	92 (37.9)	243 (100.0)	

* Missing / unknown data excluded from analysis. Figures in **bold** reflect statistically significant findings at 0.05 threshold.

