

Service delivery characteristics associated with contraceptive use among youth clients in voluntary counseling and testing (VCT) clinics with integrated family planning (FP) services

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Background

- Many clients seeking VCT in Kenya are youth (≤ 24 years) with high levels of unmet contraceptive need
- Integrated FP-HIV services address the dual contraception and HIV prevention needs of youth
- In Kenya the VCT needs of youth are met through two service delivery models
 - General VCT clinics
 - Youth Friendly VCT clinics

Rationale

- To meet the FP needs of youth accessing VCT services, a better understanding of factors associated with FP uptake among this group is needed, in particular service delivery factors (provider and clinic) that might be amenable to change

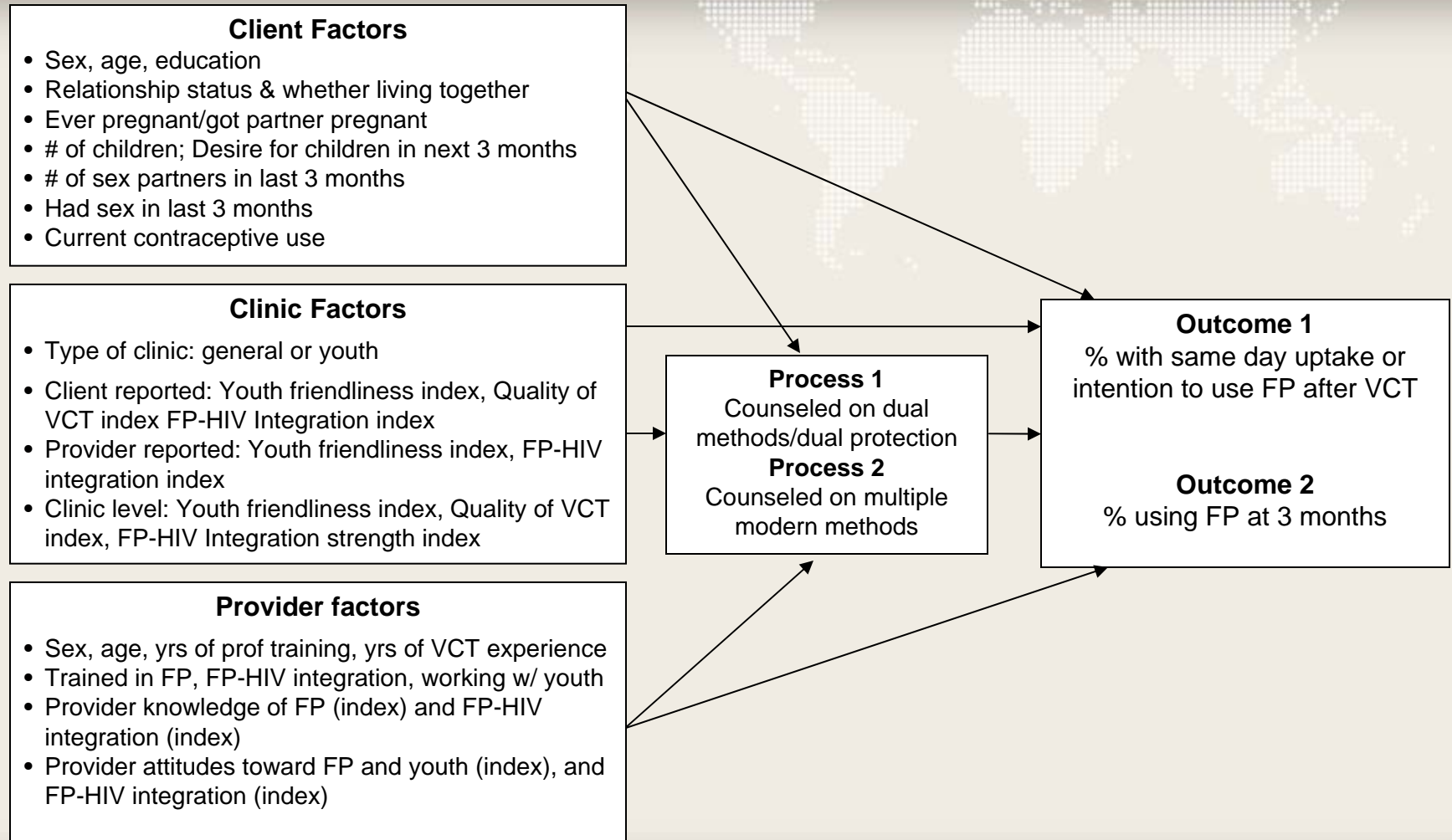
Study Objectives

- Describe how characteristics of facilities, available services, providers, and clients vary across FP-VCT integrated clinics that serve youth
- Determine what facility and provider-level characteristics are associated with:
 - same day uptake or intention to use contraception after VCT
 - contraceptive use 3 months after VCT

Methods

- Study sites
 - 20 facilities randomly selected across the country
 - 8 Youth-Friendly Clinics offering VCT and FP
 - 12 General VCT Clinics integrated with FP
- Data collection
 - VCT Client Exit Interviews (female & male; age 15-24) and follow-up interviews 3 months later by phone or in person
 - VCT Provider Interviews (at least 2 per facility)
 - Structured Observations (1 per facility)

Path diagram



Data analysis

- Structural equation modeling (SEM)- path analysis
- Multilevel SEM accounted for clustering of clients by provider and providers within clinic

Baseline Client Characteristics

	Female (n=186) %	Male (n=163) %	Total (n=349) %
Age (mean)	21	21	21
Ever pregnant or got partner pregnant	60	26	44
No desire for children in next 3 months	87	82	84
Had sex in last 3 months	77	66	72
Currently using modern FP method including condoms	31	20	26
Client reported that provider asked if s/he is currently using a pregnancy prevention method ¹	60	55	58
Client reported that provider counseled them on pregnancy prevention methods ¹	43	42	43

¹ Item from Client-reported integration index

Provider characteristics

	N=50 %
Age (mean)	31
Female	60
Two or more years of experience providing VCT	66
Two or more years of professional training	56
Ever trained in FP	44
Ever trained in integration	30
Ever trained to work with youth	66
In last week, assessed any VCT clients for FP need ¹	80
Always asks every female client if she wants to become pregnant or have more children ¹	16
In absence of ARV almost all women with HIV will pass on virus to their infants during pregnancy (answer is false) ²	36

¹ Item from provider integration index; ² Item from provider knowledge of integration index

FP Counseling during VCT

Client reported counseling	Female (n=186)	Male (n=163)	Total (n=349)
	%	%	%
Counseled on dual method use and/or dual protection*	52	58	55
<i>Dual protection only</i>	39	42	40
<i>Dual method only</i>	2	2	2
<i>Both</i>	11	14	13
Counseled on at least 2 modern methods* (for 90% of clients, one method was condoms)	31	20	26

* Process indicators in Path Diagram

Baseline Client Contraceptive Use

	Female (n=186)	Male (n=163)	Total (n=349)
	%	%	%
Current use, same day uptake or intention to use contraception after VCT session	58	55	56
– Currently using a modern method & intends to continue using the same method	31	36	33
– Currently using a modern method but intends to use a different method	24	15	20
– Not currently using but given a method & intends to use a method	2	4	3
– Not currently using but referred for a method & client very likely to use the referral	1	0	1
Intends to get pregnant in next three months	9	11	10
Does not intend to get pregnant but not using method & does not intend to use a method	33	34	34

Follow-Up Client Contraceptive Use

	Female (n=104) ¹	Male (n=64) ¹	Total (n=168) ¹
	%	%	%
Using a modern contraceptive method 3 months after VCT session ²	61	45	55
Among those using contraception...	(n=63)	(n=29)	(n=92)
Male condom	59	69	62
Injection	40	14	32
Pills	6	14	9

¹ Those clients at time 2 who had had sex in last 3 months

² More than one method possible

SEM results

Model Variable	Outcome Variables			
	Baseline same-day uptake or intention to use FP after VCT		Follow-up FP use 3-months after VCT	
	OR	95% CI	OR	95% CI
Outcome 1 – Same day uptake or intention to use FP after VCT session	--	--	2.80	(1.44, 5.46)
Client factors:				
Male			0.51	(0.27, 0.95)
Has, and lives with, primary partner	1.79	(1.10, 2.93)	--	--
Has, but does not live with, primary partner	3.25	(2.11, 5.02)	--	--
Education level	1.17	(1.02, 1.34)	--	--
Number of living children	1.91	(1.16, 3.15)	--	--
No desire for more children in next 3 months	2.91	(1.67, 5.06)	--	--
Provider factors:				
Age	--	--	0.93	(0.89, 0.98)
Training in family planning index	--	--	1.31	(1.07, 1.60)
Knowledge of FP methods index	--	--	0.65	(0.45, 0.94)
Clinic factors:				
Facility type – General VCT clinic	1.82	(1.09, 3.13)	--	--
Client-reported integration index	1.19	(1.02, 1.40)	--	--

Conclusions & Recommendations

- SEM results provided little evidence that most provider/clinic factors were associated with same day uptake or intention to use FP after the VCT session, or 3 months later, among youth
- However, these results are likely a reflection of suboptimal integrated services: VCT providers are not routinely screening for risk of unintended pregnancy & counseling on contraception
- Ensure that there are no missed opportunities