Supplementary Materials

 Table 1. Characteristics of the included studies.

Author	Country	Type of intervention	Type of study/method	Sample	Finding
McCarthy et	Tajikistan	Mobile phone	A randomized	Teenagers	There was no evidence of a
al., 2018 ⁸		instant	controlled	(16-24 years)	difference in the acceptability
		messaging app	trial		of effective contraception
					between the groups (66% in
					the intervention arm vs 64%
					in the control arm.
					There were no differences in
					secondary or process
					outcomes between the groups.
					There was some evidence that
					the effect of the intervention
					was greater among women
					compared to men (interaction
					test p=0.03).
					There was an increase in the
					acceptability of effective
					contraception from baseline to
					follow-up (2% to 65%,
					p<0.001).
Sileo et al.,	Uganda	A community	Quasi-	70 couples	The FH=FW intervention
20239		Family	experimental	wanting to	addresses multilevel family

		Health=Family		delay	planning barriers through four
		Wealth		pregnancy but	group dialogues with couples
		(FH=FW)		do not use	paired with efforts to reduce
		intervention		contraceptives	barriers to the health system.
				(n=140).	A quasi-experimental
					controlled trial provides
					preliminary support for its
					feasibility, acceptability,
					effects of contraception
					uptake and desire for fertility,
					and success in engaging both
					women and men.
Thapa et al.,	Nepal	Community	A mixed	Female	e ECHVel lenevaled as of
_	Пераг		A IIIIXEU		• FCHVs' knowledge of
202010		health workers	methods study	Community	Postpartum Family Planning
		such as		Health	(PPFP) improved
		Female		Volunteers	significantly after the
		Community		(FCHVs)	intervention.
		Health		Mothers in	The qualitative findings
		Volunteers		the immediate	suggest that the intervention
		(FCHVs)		postpartum	effectively improved the
				period	ability of FCHVs to provide
					PPFP counseling.
Kim et al.,	Benin	The Tékponon	Pre/post-	Women and	After 14 months, the TJ
202211		Jikuagou (TJ)	intervention	men	program significantly
		program trains	cross-		increased people's intention to
		influencers in	sectional		use family planning and the
		social	research		

		networks to			level of fulfillment of family
		encourage			planning needs.
		critical			Although there has been a
		discussions			substantial increase, the
		about birth			increase in contraceptive use
		control needs,			among women has not yet
		family			shown statistical significance.
		arrangements,			TJ programs improve
		gender and			communication between
		other social			women, couples, and their
		norms within			social networks about fertility
		their networks.			desires and the use of birth
		The program			control.
		also features			The TJ program increases
		radio			individuals' confidence in
		broadcasts and			acting in accordance with
		health service			their intentions to address
		liaison			unmet family planning needs.
					The TJ program creates a new
					perception in the community
					that their social network
					supports family planning.
McCarthy et	Bolivia	Mobile phone	Randomized	Women aged	Use of effective
al., 2020 ¹²		instant	controlled	16-24 years	contraception: there was no
		messaging app	trial		significant difference between
					the intervention and control
					groups (37% vs 33%).
		1			

					Acceptance of at least one
					effective contraceptive
					method: there was a
					borderline significant
					difference (72% vs 63%), with
					the intervention group
					showing greater acceptability.
					There were no significant
					differences in the use of
					effective contraception during
					the study, acceptability of
					individual methods, the use of
					services, unintended
					pregnancy, abortion,
					knowledge, perceived norms,
					personal agency and
					intentions.
Pradhan et	Nepal	Postnatal	Randomized	Postpartum	Exposure to the intervention
al., 2019 ¹³	_	contraceptive	controlled	women	increased PPIUD counseling
		counseling	trial		by 25 percentage points (pp)
		during			(95% CI 14-40 pp).
		antenatal care			Exposure to the intervention
					increased the placement of
					PPIUD by 4 percentage points
					(pp) (95% CI: 3-6 pp).
					If all women received
					counseling, the insertion of

					PPIUD would be estimated to
					increase by 17 percentage
					points (pp) (95% CI 14-40
					pp).
Huber-	Nepal	Antenatal	Randomized	Postpartum	The intervention increased the
	Nepai			1 Ostpartum	
Krum et al.,		contraceptive	controlled	women	use of modern contraceptive
2020 ¹⁴		counseling.	trial		methods by 3.8% (1 year) and
					0.3% (2 years).
					The intervention significantly
					increased IUD use (1 and 2
					years).
					Interventions reduce the use
					of sterilization.
					Counseling is provided to
					only 42% of women.
					The effect based on real
					counseling is 4 times greater
					than the overall effect.
Huda et al.,	Bangladesh	Married	A quasi-	Married girls	Use of modern contraceptive
2019 ¹⁵		Adolescent	experimental	aged 14-19	methods was higher in
		Girls Club	study with a	years	intervention areas (72.6%)
		(MAG Club)	post-test-only		than in controls (63.5%).
			design		Dissatisfaction with family
					planning needs was lower in
					intervention areas (16.2%)
					than in controls (20.7%).

Kamhawi et	Jordan	Client-	Intervention	Women aged	The CC program is associated
al., 2013 ¹⁶		centered		15-49 years	with an increase in the
		family			number of new contraception
		planning			users and protection of
		service			pairing.
		intervention:			
		"Consult and			
		Choose" (CC)			
Simanjuntak	Indonesia	Community-	Quasi-	Couples of	Structured counseling
et al., 2016 ¹⁷		based	experiment	childbearing	increased EFA and attitudes
		activities to	with a pretest-	age	towards modern family
		encourage	posttest		planning (p<0.05).
		visits to health	design with a		Childbearing women in the
		centers	control group		treatment group had 6.167
					times higher odds of using
					modern contraception
					(OR=6.167; 95% CI=2.427-
					15.67).
Harris-Fry	Bangladesh	Structured	Clustered	Women	There are no significant
et al., 2016 ¹⁸		counseling for	randomized		differences in terms of family
		couples of	controlled		planning needs
		childbearing	trial		Participatory women's groups
		age (In			have great potential to
		Indonesia:			improve women's health
		Pasangan Usia			knowledge, but evidence of
		Subur,			their impact on specific
		abbreviated as			outcomes is lacking.

		PUS) with			
		unmet need for			
		family			
		planning			
Leight et al.,	Mozambique	Participatory	Randomized	Women	The intervention group had
202219		women's	controlled		slightly higher odds of
		group	trial		visiting a clinic (2.3% risk
		interventions			difference) and receiving a
		focus on			contraceptive method (2.2%
		health,			risk difference) than the
		nutrition, and			control group.
		family			The effectiveness of reminder
		planning.			messages was higher in the
					group registered before the
					emergency of COVID-19
					(difference in the risk of clinic
					visits 3.2%).

 Table 2. Intervention group, type of intervention and main research findings.

Intervention	Country	Intervention types	Main Finding
group	Country	intervention types	Wam Finding
Technology-	Tajikistan	Mobile phone app	Interventions delivered via instant messaging mobile
Based	-	instant messaging	apps did not provide additional benefits in increasing
Interventions			acceptance of effective contraception among
			adolescents in Tajikistan ⁸
	Bolivia	Mobile phone app	The interventions tested are not effective in
		instant messaging	significantly increasing contraceptive use ¹²
	Mozambique	Reminder messages	Reminder messages via SMS have the potential to
		via SMS	increase a woman's likelihood of receiving family
			planning services ¹⁹
Community-	Uganda	Community Family	The intervention increases contraception use and
Based		Health=Family	reduces the desire to have children through group
Intervention		Wealth (FH=FW)	discussions of couples ⁹
		Intervention	
	Benin	Tékponon Jikuagou	The TJ program is a potential strategy for social and
		(TJ) Program	behavioral change. This social network approach
			encourages the address of often overlooked social
			factors that prevent people from using modern birth
			control ¹¹
	Bangladesh	Married Adolescent	MAG clubs are effective in providing contraceptive
		Girls Club (MAG	information, improving contraceptive practices, and
		Club)	reducing dissatisfaction with contraceptive needs ¹⁵

	Bangladesh	Participatory	Participatory women's groups have the potential to
		women's group	increase women's health knowledge. Its effectiveness
		intervention	on several aspects of health, such as the need for
			contraception and child mortality, requires further
			research ¹⁸
Teterment	NI1	C	DDED 4. '.'
Intervention	Nepal	Community health	PPFP training effectively increases FCHV knowledge
through Health		workers such as	and activities in providing postpartum contraception
Workers		Female Community	counseling ¹⁰
		Health Volunteers	
		(FCHVs)	
	Nepal	Postpartum	High-quality Postpartum Intrauterine Device (PPIUD)
		contraceptive	counseling and insertion could increase demand and
		counseling	help women manage spacing between pregnancies in
			Nepal and similar countries ¹³
_	Nepal	Contraceptive	Providing antenatal counseling and PPIUD services in
		counseling	hospitals increases PPIUD use in the one and two year
			postpartum period and shifts the combination of
			contraceptive methods ¹⁴
	Indonesia	Structured	Counseling carried out in a structured manner can
		counseling for	increase knowledge, attitudes, and participation in
		couples of	modern contraception in childbearing-age couples ¹⁷
		childbearing age	
_	Jordan	Client-centered	Implementation of a national CC program alongside
		family planning	community-based interventions could play an
		service	important role in reducing Jordan's total birth rate ¹⁶
		intervention:	

"Consult and	
Choose" (CC)	