

Supplementary appendix

This appendix formed part of the original submission and has been peer reviewed.
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Supplement to: Sarrassat S, Meda N, Badolo H, et al. Effect of a mass radio campaign on family behaviours and child survival in Burkina Faso: a repeated cross-sectional, cluster-randomised trial. *Lancet Glob Health* 2018; **6**: e330–41.

Table 1: Other major programs implemented in intervention and control clusters

Cluster	International NGOs / programs	# local OBCE
Banfora	CREPA; Progetto Mondo MLAL	6
Bogande	ACF; GRET (Nutrifaso program); Helvetas (Sanifaso program); UNICEF	6
Djibo	Croix Rouge; CRUS; DRC; Hunger Project	3
Kantchari	ACF	1
Ouahigouya	-	5
Sapouy	Hunger Project; MSI; PAM; UNICEF	0
Solenzo	SOS Sahel	2
All intervention clusters	ACF; CREPA; Croix Rouge; CRUS; DRC; Hunger Project; MSI; GRET (Nutrifaso program); PAM; Progetto Mondo MLAL; Helvetas (Sanifaso program); SOS Sahel; UNICEF	23
Boromo	Water Aid (Sanifaso program)	4
Gayeri	HKI; GRET (Nutrifaso program); PAM	3
Kongoussi	Plan International (PAASAD program); SOS Sahel	5
Koudougou	GIZ; PAM; Water Aid (Sanifaso program); USAID	5
Nouna	MSI; PAM; SOS Sahel	4
Po	-	3
Pouytenga	Medicus Mundi; Plan International (PAASAD program)	3
All control clusters	GIZ; HKI; Medicus Mundi; MSI; GRET (Nutrifaso program); PAM; Plan International (PAASAD program); SOS Sahel; USAID; Water Aid (Sanifaso program)	27

Table 4: Effect modification by radio ownership on self-reported care seeking (ITT analysis)

Survey	Control arm		Intervention arm		"Crude" DiD	Cluster-level DiD analysis			P- value †	Cluster-level DiD analysis			P- value †
	Total	%	Total	%		DiD	95% CI	DiD		DiD	95% CI		
	No radio												
Care seeking in a health facility or with CHW for fever, fast/difficult breathing or diarrhoea	BS	219	55.3	119	43.7	-	-	-	-	-	-	-	-
	ES ITT	180	68.9	142	45.8	-11.5	-5.9	-32.8	21.0	0.204	-5.6	-31.5	20.3
	Radio in the compound, not in the household												
	BS	164	53.1	236	44.5	-	-	-	-	-	-	-	-
	ES ITT	157	64.3	209	45.9	-9.8	-7.8	-35.2	19.6	-	-7.5	-31.9	16.9
	Radio in the household												
	BS	687	59.1	618	42.7	-	-	-	-	-	-	-	-
	ES ITT	476	59.2	475	55.8	13.0	7.8	-10.7	26.3	-	8.1	-12.5	28.7

† P-value for effect modification by radio ownership

Table 5: Effect modification by distance to the closest facility on self-reported care seeking (ITT analysis)

Survey	Control arm		Intervention arm		"Crude" DiD	Cluster-level DiD analysis			P- value †	Cluster-level DiD analysis			P- value †
	Total	%	Total	%		DiD	95% CI	DiD		DiD	95% CI		
	< 2 km												
Care seeking in a CSPS for fever, fast/difficult breathing or diarrhoea	BS	386	64.5	180	43.3	-	-	-	-	-	-	-	-
	ES ITT	300	61.7	133	58.7	18.2	17.2	-4.4	38.8	0.003	22.7	-1.8	47.1
	2 - 5 km												
	BS	353	49.3	277	40.4	-	-	-	-	-	-	-	-
	ES ITT	298	54.0	199	51.8	6.7	8.7	-9.2	26.5	-	14.1	-5.5	33.7
	> 5 km												
	BS	333	28.2	518	37.6	-	-	-	-	-	-	-	-
	ES ITT	224	49.6	498	41.2	-17.8	-20.1	-44.2	4.1	-	-13.7	-39.1	11.8

† P-value for effect modification by distance to the closest facility