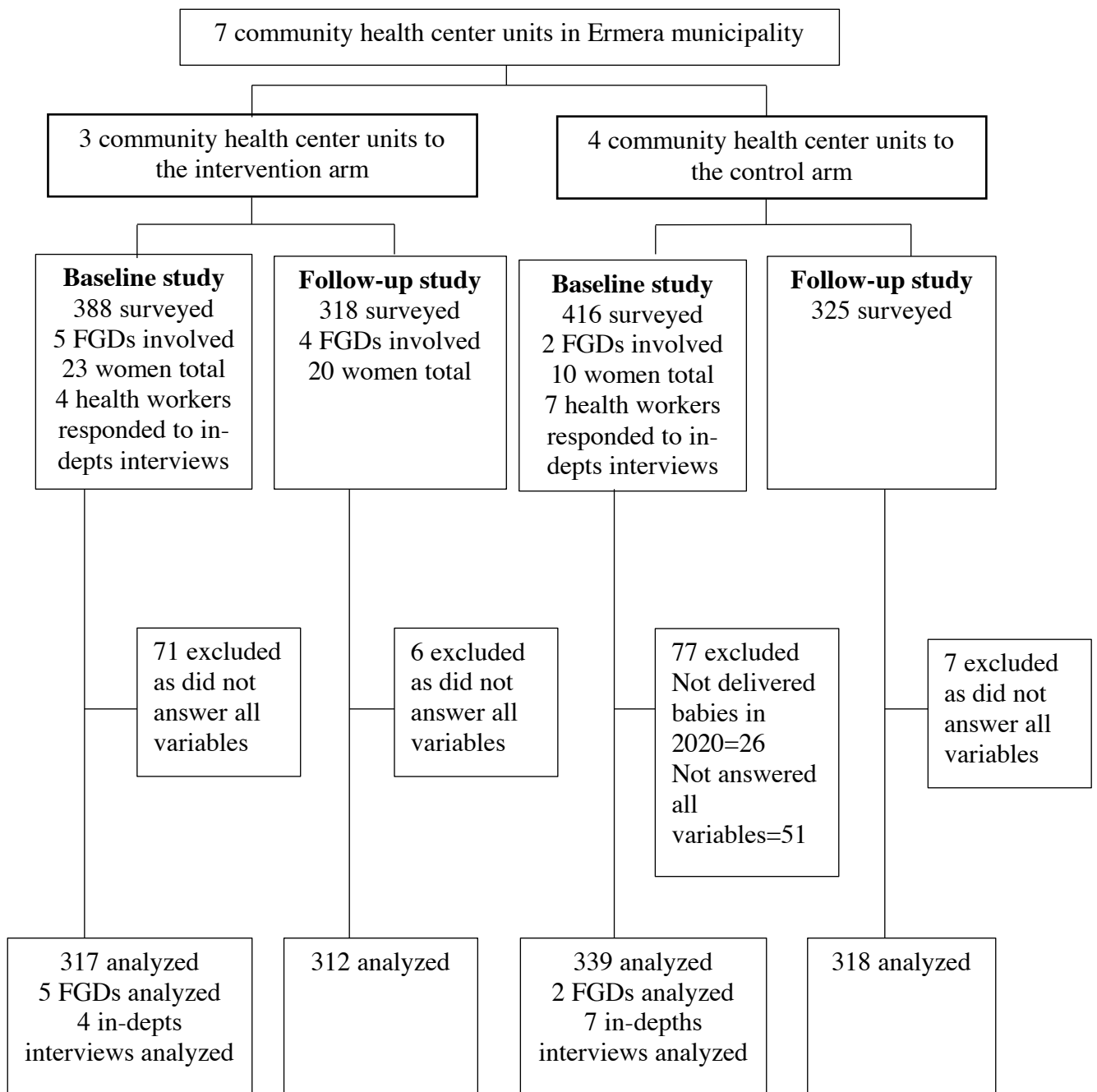


Participant Flow



FGD: focus group discussion

Baseline Characteristics

Respondents' characteristics of women who delivered babies in 2020	Category	n	%
Age	15-19	27	4.1
	20-34	515	78.5
	35+	114	17.4
Education	Did not attend formal school	156	23.8
	Primary	167	25.5
	Secondary	290	44.2
	Tertiary	43	6.6
language preference	Tetun (official language)	409	62.4
	local language	247	37.6
Employment status	Unemployed	631	96.2
	Employed	25	3.8
Husband's education	Did not attend formal school	124	18.9
	Primary	178	27.1
	Secondary	285	43.5
	Tertiary	69	10.5
Wealth quantiles	Lowest	183	27.9
	Lower	96	14.6
	Middle	123	18.8
	Higher	123	18.8
	Highest	131	20.0
Phone	No	151	23.0
	Yes	505	77.0
Parity	Primipara	120	18.3
	Multipara	342	52.1
	Grand multipara	194	29.6
Distance to the nearest health facility	less than 1 hour	431	65.7
	1 hour or above	225	34.3
Nearest health facility	Health post	386	58.8
	Community health center	220	33.5
	Other	50	7.6
Community health center units	Hatolia	165	25.2
	Guisarudu	125	19.1
	Gleno	27	4.1
	Railaco	70	10.7
	Ermera	39	6.0
	Letefoho	97	14.8
	Atsabe	133	20.3

Outcome Measures

Background characteristics of women

	Baseline (n=656)			Follow-up (n=630)		
	Control (n=339)	Interventio n (n=317)		Control (n=318)	Interventio n (n=312)	
	n (%)	n (%)	P value	n (%)	n (%)	P value
Age			0.97			0.03
15-19	14 (4.1)	13 (4.1)		16 (5.0)	33 (10.6)	
20-34	265 (78.2)	250 (78.9)		260 (81.8)	245 (78.5)	
35+	60 (17.7)	54 (17.0)		42 (13.2)	34 (10.9)	
Wealth quantiles			<0.01			<0.01
Lowest	65 (19.2)	118 (37.2)		32 (10.1)	96 (30.8)	
Lower	60 (17.7)	36 (11.4)		91 (28.6)	50 (16.0)	
Middle	62 (18.3)	61 (19.2)		69 (21.7)	46 (14.7)	
Higher	66 (19.5)	57 (18.0)		49 (15.4)	71 (22.8)	
Highest	86 (25.4)	4 (14.2)		77 (24.2)	49 (15.7)	
Education			0.01			<0.01
Did not attend formal school	78 (23.0)	78 (24.6)		31 (9.8)	62 (19.9)	
Primary	70 (20.7)	97 (30.6)		32 (10.1)	76 (24.4)	
Secondary	167 (49.3)	123 (38.8)		240 (75.5)	159 (51.0)	
Tertiary	24 (7.1)	19 (6.0)		15 (4.7)	15 (4.8)	
Husband's education			0.11			<0.01
Did not attend formal school	61 (18.0)	63 (19.9)		46 (14.5)	47 (15.1)	
Primary	80 (23.6)	98 (30.9)		26 (8.2)	94 (30.1)	
Secondary	159 (46.9)	125 (39.8)		224 (70.4)	132 (42.3)	
Tertiary	39 (11.5)	30 (9.5)		22 (6.9)	39 (12.5)	
Parity			0.54			0.04
Primipara	63 (18.6)	57 (18.0)		73 (23.0)	51 (16.4)	
Multipara	170 (50.2)	172 (54.3)		156 (49.1)	182 (58.3)	
Grand multipara	106 (31.3)	88 (27.8)		89 (28.0)	79 (25.3)	
Nearest health facility			<0.01			<0.01
Health post	145 (42.8)	241 (76.0)		115 (36.2)	216 (69.2)	
Community health center	160 (47.2)	60 (18.9)		185 (58.2)	96 (30.8)	
Other	34 (10.0)	16 (5.1)		18 (5.7)	0 (0.0)	

* P value for chi-square test.

Estimated effect of the intervention on continuum of care and the quality of antenatal care (Intention-to-treat) (n=1,286)

	Baseline		Follow-up					
	Control (n=339)	Intervention (n=317)	Control (n=318)	Intervention (n=312)				
	%	%	%	%	DiD ^a	p value	aDiD ^b	P value
CoC at pregnancy ^c	61.7	43.2	82.4	73.4	0.094	0.063	0.109	0.031
CoC at childbirth ^d	40.1	20.5	59.1	41.0	0.015	0.773	0.043	0.406
Complete CoC ^e	22.1	15.1	40.9	33.0	-0.009	0.856	0.015	0.756
High quality of care received	22.7	17.4	43.7	43.0	0.046	0.36	0.05	0.312
High quality of essential care received	30.7	20.8	44.3	52.2	0.178	0.001	0.18	<0.001
High quality of health education received	52.5	31.6	45.3	48.4	0.241	< 0.001	0.221	< 0.001
High quality of communication received	40.1	29.7	68.6	42.6	-0.155	0.004	-0.151	0.004
Satisfaction level	80.5	71.9	90.9	87.8	0.055	0.181	0.066	0.105

*The Difference-in-differences (DiD) estimates were adjusted for age, education, parity, wealth quintiles, and the nearest health facility.

(a) DiD: difference-in-differences, (b) aDiD: adjusted difference-in-differences, (c) CoC at pregnancy: women received antenatal care at least four times by health workers, (d) CoC at childbirth: women received antenatal care at least four times by health workers; and delivered babies assisted by skilled birth attendant, and € Complete CoC: women received antenatal care at least four times by health workers; delivered babies assisted by skilled birth attendant; and received postnatal care at least two times by health workers.

Estimated effect of the intervention on continuum of care and the quality of care (Per-protocol of the continuum of care card) (n=1,053)

	Baseline		Follow-up					
	Control (n=339)	Intervention (n=317)	Control (n=318)	Intervention (n=79)				
	%	%	%	%	DiD	p value	aDiD	P value
CoC at pregnancy ^c	61.7	43.2	82.4	62.0	-0.019	0.777	0.011	0.871
CoC at childbirth ^d	40.1	20.5	59.1	41.8	0.023	0.743	0.058	0.398
Complete CoC ^e	22.1	15.1	40.9	31.7	-0.023	0.723	0.027	0.67
High quality of care received	22.7	17.4	43.7	17.7	-0.206	0.001	-0.223	< 0.001
High quality of essential care received	30.7	20.8	44.3	20.3	-0.142	0.034	-0.17	0.012
High quality of health education received	52.5	31.6	45.3	68.4	0.44	< 0.001	0.386	< 0.001
High quality of communication received	40.1	29.7	68.6	29.1	-0.29	< 0.001	-0.311	< 0.001
Satisfaction level	80.5	71.9	90.9	89.9	0.076	0.176	0.078	0.165

*The Difference-in-differences (DiD) estimates were adjusted for age, education, parity, wealth quintiles, and the nearest health facility.

(a) DiD: difference-in-differences, (b) aDiD: adjusted difference-in-differences, (c) CoC at pregnancy: women received antenatal care at least four times by health workers, (d) CoC at childbirth: women received antenatal care at least four times by health workers; and delivered babies assisted by skilled birth attendant, and (e) Complete CoC: women received antenatal care at least four times by health workers; delivered babies assisted by skilled birth attendant; and received postnatal care at least two times by health workers.

Estimated effect of the intervention continuum of care and the quality of care (Per-protocol of the ultrasound) (n=1,128)

	Baseline		Follow-up					
	Control (n=329)	Intervention (n=317)	Control (n=294)	Intervention (n=188)				
	%	%	%	%	DiD ^a	p value	aDiD ^b	P value
CoC at pregnancy ^c	60.8	43.2	82.7	81.4	0.163	0.003	0.175	0.001
CoC at childbirth ^d	39.2	20.5	57.5	38.3	-0.005	0.933	0.022	0.7
Complete CoC ^e	21.9	15.1	41.5	30.3	-0.044	0.399	-0.019	0.71
High quality of care received	21.6	17.4	40.5	63.8	0.276	< 0.001	0.267	< 0.001
High quality of essential care received	28.9	20.8	41.5	80.3	0.469	< 0.001	0.453	< 0.001
High quality of health education received	52.0	31.6	43.2	50.5	0.278	< 0.001	0.253	< 0.001
High quality of communication received	39.8	29.7	68.0	52.1	-0.057	0.325	-0.053	0.352
Satisfaction level	82.0	71.9	90.1	88.8	0.073	0.113	0.088	0.051

*The Difference-in-differences (DiD) estimates were adjusted for age, education, parity, wealth quintiles, and the nearest health facility.

(a) DiD: difference-in-differences, (b) aDiD: adjusted difference-in-differences, (c) CoC at pregnancy: women received antenatal care at least four times by health workers, (d) CoC at childbirth: women received antenatal care at least four times by health workers; and delivered babies assisted by skilled birth attendant, and (e) Complete CoC: women received antenatal care at least four times by health workers; delivered babies assisted by skilled birth attendant; and received postnatal care at least two times by health workers.

Estimated effect of the intervention on continuum of care and the quality of care in the intervention area (n=629)

	Baseline		Follow-up					
	Hatolia and Gleno (n=192)	Guisarudu (n=125)	Hatolia and Gleno (n=217)	Guisarudu (n=95)				
	%	%	%	%	DiD ^a	p value	aDiD ^b	P value
CoC at pregnancy ^c	57.3	21.6	78.3	62.1	0.195	0.011	0.166	0.03
CoC at childbirth ^d	27.1	10.4	43.3	35.8	0.092	0.224	0.065	0.386
Complete CoC ^e	21.4	5.6	35.9	26.3	0.061	0.38	0.043	0.541
High quality of care received	18.8	15.2	51.6	23.2	-0.249	0.001	-0.291	<0.001
High quality of essential care received	26.0	12.8	65.0	23.2	-0.286	<0.001	-0.338	<0.001
High quality of health education received	32.3	30.4	39.6	68.4	0.307	<0.001	0.278	<0.001
High quality of communication received	31.8	26.4	47.0	32.6	-0.09	0.26	-0.164	0.035
Satisfaction level	80.7	79.8	89.4	84.2	0.171	0.009	0.129	0.046

*The Difference-in-differences (DiD) estimates were adjusted for age, education, parity, wealth quintiles, and the nearest health facility.

(a) DiD: difference-in-differences, (b) aDiD: adjusted difference-in-differences, (c) CoC at pregnancy: women received antenatal care at least four times by health workers, (d) CoC at childbirth: women received antenatal care at least four times by health workers; and delivered babies assisted by skilled birth attendant, and (e) Complete CoC: women received antenatal care at least four times by health workers; delivered babies assisted by skilled birth attendant; and received postnatal care at least two times by health workers.

Adverse Events

There were no adverse events associated with this trial.