Understanding women micro-entrepreneurs' use of mobile for business:

Evidence from 10 low- and middle-income countries

Supplementary data





This data book is supplementary to the report: <u>Understanding women micro-entrepreneur's use of mobile for business: Evidence from low- and middle-income countries.</u>

It shows further data tables referenced in the main report. As such, for a full overview readers should consult this data book in conjunction with the main report findings, figures and appendices.

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- a) Barriers to adopting mobile for business
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- a) <u>Urban</u>
- b) Rural
- c) Secondary education or above
- d) Primary education or below
- e) <u>Agricultural sector</u>
- f) Non-agricultural sectors



Sample composition

		Unwei	ghed sample	sizes
		Total	Mobile used for business	Mobile not used for business
Ethiopia	Male micro-entrepreneur	432	208	224
Сипоріа	Female micro-entrepreneur	338	239	99
Ghana	Male micro-entrepreneur	746	117	629
Oriaria	Female micro-entrepreneur	526	129	397
Kenya	Male micro-entrepreneur	616	143	473
rtcriya	Female micro-entrepreneur	637	221	416
Nigeria	Male micro-entrepreneur	324	76	248
Nigeria	Female micro-entrepreneur	252	92	160
Senegal	Male micro-entrepreneur	217	58	159
Seriegai	Female micro-entrepreneur	173	93	80
Bangladesh	Male micro-entrepreneur	291	97	194
Dangladesii	Female micro-entrepreneur	117	56	61
India	Male micro-entrepreneur	1083	472	611
Iriuia	Female micro-entrepreneur	661	423	238
Dakiatan	Male micro-entrepreneur	548	183	365
Pakistan	Female micro-entrepreneur	372	184	188
la da a a a i a	Male micro-entrepreneur	177	84	93
Indonesia	Female micro-entrepreneur	177	87	90
Oustans als	Male micro-entrepreneur	160	88	72
Guatemala	Female micro-entrepreneur	142	96	46
TOTAL		7989	4843	3146

		Wei	ghted propor	tions			•
				Business	type (%)		
Rural (%)	No employees (%)	I fish, farm, collect or grow things to sell	I make things to sell	I sell things to customers that I purchase from others	I fix or repair things	I sell or offer services to customers	Something else
74%	33%	60%	6%	12%	4%		
75%	34%	51%	9%	22%	0%		
43%	61%	15%	15%	24%	14%		
43%	72%	9%	20%	40%	4%		
64%	70%	30%	8%	26%	11%		
65%	80%	28%	10%	43%	2%		
52%	62%	19%	13%	25%	12%		. , ,
52%	72%	21%	23%	28%	2%		
56%	62%	34%	8%	22%	6%		
55%	88%	18%	19%	41%	3%		
68%	69%	24%	14%	32%	7%		
70%	73%	51%	12%	16%	4%		
70%	71%	26%	14%	24%	12%	23%	1%
70%	68%	24%	17%	25%	8%	24%	1%
64%	57%	29%	13%	32%	11%	15%	1%
64%	62%	32%	18%	17%	4%	20%	9%
43%	52%	18%	23%	35%	6%	13%	5%
44%	58%	15%	36%	34%	1%	11%	2%
43%	58%	36%	11%	16%	7%	26%	4%
42%	70%	24%	17%	22%	1%	35%	3%



Micro-entrepreneurs by sector

In each of the 10 survey countries, micro-entrepreneurs were asked which of the following categories best described their business:

- 1. I fish, farm, collect (e.g. firewood, forest fruits, etc.) or grow things to sell
- I make things to sell
- 3. I sell things to customers that I purchase from others
- 4. I fix or repair things
- I sell or offer services to customers
- 6. Something else

Some data tables show findings disaggregated by agricultural and non-agricultural sectors.

Description	Sectors
Agricultural sector	I fish, farm, collect (e.g. firewood, forest fruits, etc.) or grow things to sell
Non-agricultural sectors	All other sectors above

Mobile use cases for business performed by micro-entrepreneurs

Demographic cuts:

- Urban
- Rural
- Secondary education and above
- Primary education and below
- Agricultural sector
- Non-agricultural sectors



Mobile use cases for business performed by urban microentrepreneurs

Percentage of urban micro-entrepreneurs surveyed

		Communicate with customers	Communicate with suppliers	Market, advertise or promote my business	Take out loans, credit, insurance products	Save or store money in account	Make or receive payments	Issue invoices or receipts for my business	Learn new skills or get new ideas for my business	Manage or track my business finances	Plan business activities	Access maps or location services	Find information to help with business	Store information and files	Any other way
Ethiopia	Male	64%	52%	22%	6%	17%	26%	9%	26%	26%	30%	4%	37%	37%	3%
	Female	52%	51%	10%	4%	8%	13%	5%	11%	16%	19%	0%	23%	20%	1%
Ghana	Male	74%	70%	52%	20%	64%	68%	19%	46%	42%	41%	27%	45%	59%	3%
	Female	61%	63%	36%	15%	46%	58%	12%	31%	28%	27%	14%	31%	45%	1%
Kenya	Male	67%	62%	40%	28%	58%	63%	15%	48%	47%	41%	26%	41%	46%	1%
	Female	44%	41%	22%	16%	38%	47%	6%	22%	25%	21%	9%	23%	29%	3%
Nigeria	Male	69%	69%	49%	14%	56%	58%	24%	39%	37%	42%	27%	49%	57%	4%
	Female	65%	61%	33%	5%	33%	48%	15%	32%	29%	38%	16%	38%	45%	1%
Senegal	Male	64%	60%	42%	10%	34%	48%	17%	30%	27%	37%	12%	31%	38%	0%
	Female	34%	32%	26%	7%	11%	24%	8%	14%	15%	16%	4%	13%	18%	0%
Bangladesh	Male	57%	50%	33%	17%	27%	40%	16%	29%	31%	25%	20%	36%	25%	3%
	Female														
India	Male	45%	44%	28%	18%	28%	28%	20%	27%	30%	21%	24%	27%	26%	1%
	Female	27%	27%	15%	12%	15%	17%	11%	13%	17%	14%	10%	13%	15%	1%
Pakistan	Male	43%	48%	17%	7%	12%	26%	9%	16%	18%	13%	15%	15%	16%	1%
	Female	35%	37%	20%	6%	17%	20%	10%	23%	18%	17%	9%	22%	16%	2%
Indonesia	Male	52%	46%	32%	6%	21%	16%	8%	37%	20%	33%	29%	31%	38%	2%
	Female	52%	48%	43%	6%	23%	26%	10%	38%	27%	41%	18%	24%	48%	1%
Guatemala	Male	39%	40%	30%	18%	20%	22%	17%	28%	27%	27%	29%	22%	31%	3%
	Female														

Least reported use case in that country

Most reported use case in that country



Base: Urban micro-entrepreneurs surveyed



Mobile use cases for business performed by rural microentrepreneurs

Percentage of rural micro-entrepreneurs surveyed

		Communicate with customers	Communicate with suppliers	Market, advertise or promote my business	Take out loans, credit, insurance products	Save or store money in account	Make or receive payments	Issue invoices or receipts for my business	Learn new skills or get new ideas for my business	Manage or track my business finances	Plan business activities	Access maps or location services	Find information to help with business	Store information and files	Any other way
Ethiopia	Male	30%	25%	4%	2%	2%	3%	1%	9%	7%	12%	1%	16%	14%	0%
	Female	10%	10%	1%	0%	1%	1%	1%	2%	1%	3%	0%	5%	5%	0%
Ghana	Male	66%	63%	34%	13%	49%	52%	14%	33%	30%	29%	16%	29%	46%	2%
	Female	49%	52%	28%	14%	46%	45%	10%	23%	22%	16%	7%	21%	36%	1%
Kenya	Male	58%	52%	27%	26%	47%	62%	10%	33%	31%	29%	18%	30%	32%	1%
	Female	53%	47%	18%	19%	36%	46%	6%	21%	24%	21%	7%	18%	30%	1%
Nigeria	Male	59%	57%	24%	7%	29%	33%	6%	20%	15%	23%	8%	27%	38%	3%
	Female		30%	14%	5%	10%	18%	7%	13%	5%	15%	3%	8%	18%	3%
Senegal	Male	52%	52%	27%	12%	35%	46%	16%	30%	20%	32%	11%	29%	31%	2%
	Female	31%	28%	8%	4%	12%	16%	2%	6%	7%	15%	3%	8%	12%	2%
Bangladesh	Male	37%	36%	20%	13%	18%	23%	12%	19%	19%	13%	10%	22%	15%	2%
	Female	30%	28%	21%	11%	14%	25%	13%	19%	22%	15%	9%	20%	15%	3%
India	Male	31%	32%	23%	17%	20%	26%	16%	25%	22%	19%	18%	23%	24%	2%
	Female	16%	16%	11%	8%	8%	10%	7%	11%	10%	10%	6%	12%	10%	0%
Pakistan	Male	40%	37%	15%	9%	16%	18%	8%	14%	17%	18%	11%	18%	18%	1%
	Female	13%	12%	4%	1%	4%	8%	2%	7%	3%	4%	3%	5%	5%	1%
Indonesia	Male														
	Female	28%	26%	24%	8%	13%	11%	7%	22%	11%	16%	14%	18%	21%	3%
Guatemala	Male	28%	31%	29%	5%	7%	11%	12%	25%	17%	22%	13%	21%	20%	6%
	Female														

Least reported use case in that country

Most reported use case in that country



Base: Rural micro-entrepreneurs surveyed



Mobile use cases for business performed by micro-entrepreneurs with secondary education or above

Percentage of micro-entrepreneurs surveyed with secondary education or above

		Communicate with customers	Communicate with suppliers	Market, advertise or promote my business	Take out loans, credit, insurance products	Save or store money in account	Make or receive payments	Issue invoices or receipts for my business	Learn new skills or get new ideas for my business	Manage or track my business finances	Plan business activities	Access maps or location services	Find information to help with business	Store information and files	Any other way
Ethiopia	Male														
	Female														
Ghana	Male	77%	73%	56%	22%	66%	69%	21%	50%	45%	44%	28%	47%	62%	3%
	Female	65%	67%	46%	19%	59%	64%	17%	38%	35%	34%	17%	38%	52%	1%
Kenya	Male	67%	64%	42%	30%	58%	68%	19%	49%	46%	39%	32%	44%	49%	1%
	Female	53%	51%	27%	21%	42%	54%	12%	34%	34%	30%	14%	30%	39%	2%
Nigeria	Male	70%	65%	45%	10%	55%	52%	19%	36%	32%	36%	23%	47%	54%	3%
	Female	55%	52%	34%	7%	31%	43%	17%	31%	28%	31%	15%	31%	41%	2%
Senegal	Male	76%	75%	57%	16%	52%	58%	28%	59%	48%	63%	33%	56%	59%	0%
	Female														
Bangladesh	Male	53%	46%	31%	16%	31%	33%	19%	30%	29%	24%	23%	35%	24%	4%
	Female	39%	33%	33%	18%	27%	38%	30%	27%	27%	28%	23%	34%	33%	2%
India	Male	43%	43%	30%	20%	29%	32%	21%	31%	30%	24%	25%	30%	30%	2%
	Female	31%	31%	19%	14%	16%	19%	12%	19%	20%	17%	11%	19%	19%	1%
Pakistan	Male	48%	46%	23%	11%	21%	25%	13%	25%	22%	20%	18%	23%	23%	2%
	Female	33%	34%	16%	4%	17%	16%	8%	19%	17%	14%	10%	19%	16%	3%
Indonesia	Male	58%	52%	34%	9%	22%	19%	11%	43%	20%	40%	32%	36%	41%	3%
	Female	63%	63%	57%	13%	33%	33%	17%	48%	35%	50%	28%	34%	56%	1%
Guatemala	Male	46%	51%	43%	18%	20%	26%	25%	39%	32%	37%	30%	32%	37%	7%
	Female	53%	48%	38%	14%	28%	29%	14%	45%	34%	37%	24%	37%	37%	2%

Least reported use case in that country

Most reported use case in that country

Source: GSMA Consumer Survey, 2022

Base: Micro-entrepreneurs surveyed with secondary education or above

Percentages indicate the proportion of micro-entrepreneurs who answered that they have performed each use case in the past three months. Use cases were only asked of micro-entrepreneurs who reported using mobile for business. How ever, the percentages still represent the proportion of micro-entrepreneurs overall who use that mobile use case. Cells in grey reflect where sample sizes were below 30 and therefore insufficient.

n=31 to 300 for female micro-entrepreneurs and n=37 to 527 for male micro-entrepreneurs



Mobile use cases for business performed by micro-entrepreneurs with primary education or below

Percentage of micro-entrepreneurs surveyed with primary education or below

		Communicate with customers	Communicate with suppliers	Market, advertise or promote my business	Take out loans, credit, insurance products	Save or store money in account	Make or receive payments	Issue invoices or receipts for my business	Learn new skills or get new ideas for my business	Manage or track my business finances	Plan business activities	Access maps or location services	Find information to help with business	Store information and files	Any other way
Ethiopia	Male	33%	27%	6%	2%	3%	5%	1%	10%	7%	13%	1%	17%	16%	0%
	Female	13%	13%	2%	1%	2%	2%	1%	3%	2%	4%	0%	7%	6%	0%
Ghana	Male	53%	50%	12%	5%	35%	37%	6%	15%	15%	13%	6%	12%	28%	1%
	Female	45%	48%	16%	9%	32%	39%	4%	15%	13%	9%	3%	14%	28%	0%
Kenya	Male	58%	52%	26%	25%	48%	60%	8%	34%	32%	31%	15%	29%	32%	1%
	Female	49%	43%	17%	17%	35%	44%	4%	17%	22%	18%	6%	17%	27%	1%
Nigeria	Male	58%	60%	27%	10%	29%	38%	10%	22%	19%	28%	11%	29%	41%	3%
	Female	43%	38%	13%	4%	12%	22%	5%	14%	7%	21%	4%	14%	22%	2%
Senegal	Male	52%	51%	28%	10%	31%	44%	14%	24%	18%	27%	7%	24%	28%	2%
	Female	31%	29%	16%	5%	10%	19%	4%	8%	9%	14%	2%	10%	14%	1%
Bangladesh	Male	32%	35%	17%	12%	9%	23%	7%	14%	16%	10%	3%	17%	13%	0%
	Female	28%	28%	13%	8%	8%	18%	4%	14%	16%	9%	4%	13%	6%	2%
India	Male	22%	20%	13%	11%	10%	15%	10%	14%	12%	11%	10%	12%	15%	0%
	Female	9%	9%	5%	5%	4%	6%	4%	5%	5%	5%	3%	6%	5%	0%
Pakistan	Male	34%	35%	10%	6%	10%	15%	4%	6%	13%	15%	8%	13%	13%	1%
	Female	12%	12%	5%	1%	3%	9%	2%	7%	3%	5%	2%	5%	4%	0%
Indonesia	Male	30%	26%	16%	4%	9%	9%	4%	18%	11%	16%	13%	14%	21%	1%
	Female														
Guatemala	Male														
	Female														

Least reported use case in that country

Most reported use case in that country



Base: Micro-entrepreneurs surveyed with primary education or below



Mobile use cases for business performed by micro-entrepreneurs in the agricultural sector

Percentage of micro-entrepreneurs surveyed in the agricultural sector

		Communicate with customers	Communicate with suppliers	Market, advertise or promote my business	Take out loans, credit, insurance products	Save or store money in account	Make or receive payments	Issue invoices or receipts for my business	Learn new skills or get new ideas for my business	Manage or track my business finances	Plan business activities	Access maps or location services	Find information to help with business	Store information and files	Any other way
Ethiopia	Male	24%	20%	4%	2%	2%	3%	1%	7%	6%	11%	0%	15%	11%	0%
	Female														
Ghana	Male	41%	35%	21%	10%	40%	34%	11%	24%	22%	24%	9%	16%	29%	1%
	Female														
Kenya	Male	51%	43%	26%	26%	41%	51%	10%	34%	31%	28%	17%	28%	31%	1%
	Female	35%	23%	7%	9%	23%	28%	0%	8%	12%	11%	3%	8%	17%	1%
Nigeria	Male	61%	61%	35%	14%	40%	48%	17%	31%	27%	41%	19%	42%	46%	6%
	Female	31%	25%	21%	5%	23%	27%	10%	20%	12%	20%	12%	17%	23%	4%
Senegal	Male	43%	46%	25%	11%	24%	38%	10%	26%	17%	24%	9%	30%	29%	1%
	Female	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Bangladesh	Male	31%	33%	13%	9%	12%	21%	9%	9%	11%	7%	6%	4%	6%	0%
	Female	35%	32%	15%	2%	9%	18%	4%	15%	13%	6%	4%	8%	8%	2%
India	Male	28%	28%	16%	13%	15%	20%	13%	18%	18%	13%	15%	19%	20%	1%
	Female														
Pakistan	Male	38%	35%	13%	9%	15%	19%	7%	15%	17%	19%	7%	22%	18%	4%
	Female														
Indonesia	Male														
	Female														
Guatemala	Male														
	Female														

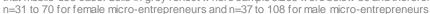
Least reported use case in that country

Most reported use case in that country

Source: GSMA Consumer Survey, 2022

Base: Micro-entrepreneurs surveyed in the agricultural sector

Those categorised within the "agricultural sector" reported that they "fish, farm, collect or grow things to sell". Percentages indicate the proportion of micro-entrepreneurs who answered that they have performed each use case in the past three months. Use cases were only asked of micro-entrepreneurs who reported using mobile for business. How ever, the percentages still represent the proportion of micro-entrepreneurs overall who use that mobile use case. Cells in grey reflect where sample sizes were below 30 and therefore insufficient.





Mobile use cases for business performed by micro-entrepreneurs in non-agricultural sectors

Percentage of micro-entrepreneurs surveyed in non-agricultural sectors

		Communicate with customers	Communicate with suppliers	Market, advertise or promote my business	Take out loans, credit, insurance products	Save or store money in account	Make or receive payments	Issue invoices or receipts for my business	Learn new skills or get new ideas for my business	Manage or track my business finances	Plan business activities	Access maps or location services	Find information to help with business	Store information and files	Any other way
Ethiopia	Male	52%	43%	12%	5%	9%	11%	2%	19%	16%	21%	2%	26%	28%	1%
	Female	27%	27%	4%	2%	3%	6%	2%	5%	6%	10%	0%	13%	8%	0%
Ghana	Male	76%	73%	48%	18%	61%	66%	18%	43%	40%	37%	24%	42%	58%	3%
	Female	59%	62%	36%	15%	49%	56%	12%	30%	27%	25%	12%	29%	44%	1%
Kenya	Male	66%	61%	33%	27%	56%	67%	12%	41%	39%	36%	22%	36%	40%	1%
	Female	56%	53%	24%	22%	42%	54%	8%	26%	30%	25%	9%	25%	34%	2%
Nigeria	Male	65%	63%	36%	9%	42%	43%	14%	28%	25%	30%	16%	37%	48%	3%
	Female	53%	50%	25%	5%	21%	33%	10%	22%	18%	28%	8%	23%	34%	1%
Senegal	Male	65%	61%	39%	12%	40%	51%	21%	33%	27%	40%	13%	30%	37%	1%
	Female	36%	34%	19%	7%	14%	21%	5%	11%	13%	16%	4%	11%	17%	1%
Bangladesh	Male	47%	45%	27%	16%	24%	30%	14%	27%	25%	21%	15%	33%	22%	3%
	Female	31%	28%	26%	19%	21%	30%	25%	23%	24%	27%	20%	32%	27%	2%
India	Male	40%	40%	29%	20%	26%	30%	20%	29%	28%	23%	22%	28%	28%	2%
	Female	24%	23%	14%	11%	12%	15%	10%	15%	14%	13%	7%	15%	15%	0%
Pakistan	Male	41%	42%	17%	8%	15%	20%	9%	14%	17%	16%	14%	16%	17%	0%
	Female	27%	26%	13%	4%	10%	15%	6%	15%	10%	11%	7%	13%	10%	1%
Indonesia	Male	50%	44%	28%	7%	17%	16%	8%	35%	16%	32%	26%	26%	34%	2%
	Female	45%	42%	39%	7%	20%	22%	10%	34%	23%	34%	17%	22%	39%	2%
Guatemala	Male	40%	42%	33%	15%	17%	20%	16%	31%	27%	30%	28%	26%	34%	3%
	Female	33%	26%	26%	8%	14%	16%	9%	25%	19%	20%	14%	21%	23%	2%

Least reported use case in that country

Most reported use case in that country

Source: GSMA Consumer Survey, 2022

Base: Micro-entrepreneurs surveyed in non-agricultural sectors

Those categorised within "non-agricultural sectors" reported to be in any other business sector apart from "fish, farm, collect or grow things to sell". Percentages indicate the proportion of micro-entrepreneurs who answered that they have performed each use case in the past three months. Use cases were only asked of micro-entrepreneurs who reported using mobile for business. How ever, the percentages still represent the proportion of micro-entrepreneurs overall who use that mobile use case. Cells in grey reflect where sample sizes were below 30 and therefore insufficient.

n=30 to 382 for female micro-entrepreneurs and n=49 to 580 for male micro-entrepreneurs



Awareness of mobile use cases for business among micro-entrepreneurs

Demographic cuts:

- All micro-entrepreneurs surveyed
- All micro-entrepreneurs surveyed who have use mobile for business



Awareness of mobile use cases for business among microentrepreneurs

Percentage of micro-entrepreneurs surveyed

		Communicate with customers	Communicate with suppliers	Market, advertise or promote my business	Take out loans, credit, insurance products	Save or store money in account	Make or receive payments	Issue invoices or receipts for my business	Learn new skills or get new ideas for my business	Manage or track my business finances	Plan business activities	Access maps or location services	Find information to help with business	Store information and files	Any other way
Ethiopia	Male	100%	100%	36%	53%	37%	39%	44%	44%	36%	36%	26%	26%	22%	1%
	Female	100%	100%	24%	37%	24%	28%	32%	28%	23%	22%	11%	18%	12%	0%
Ghana	Male	100%	100%	91%	76%	76%	74%	68%	65%	88%	70%	59%	82%	40%	3%
	Female	100%	100%	87%	65%	63%	60%	54%	57%	78%	58%	46%	74%	33%	1%
Kenya	Male	100%	100%	86%	77%	79%	76%	71%	67%	84%	62%	63%	68%	44%	1%
	Female	100%	100%	83%	69%	74%	58%	61%	53%	80%	54%	47%	63%	34%	2%
Nigeria	Male	100%	100%	78%	78%	73%	65%	67%	62%	74%	54%	54%	55%	40%	3%
	Female	100%	100%	72%	66%	62%	59%	54%	56%	64%	47%	45%	47%	31%	1%
Senegal	Male	100%	100%	83%	68%	74%	64%	63%	68%	64%	55%	48%	46%	50%	1%
	Female	100%	100%	58%	42%	46%	37%	32%	37%	42%	30%	20%	27%	28%	1%
Bangladesh	Male	100%	100%	64%	50%	58%	55%	57%	47%	55%	54%	46%	46%	43%	3%
	Female	100%	100%	56%	47%	51%	48%	54%	39%	49%	46%	42%	34%	35%	2%
India	Male	100%	100%	48%	45%	47%	46%	46%	39%	46%	45%	45%	37%	37%	2%
	Female	100%	100%	30%	30%	32%	31%	28%	26%	29%	29%	29%	27%	24%	0%
Pakistan	Male	100%	100%	50%	40%	48%	42%	48%	41%	48%	42%	40%	32%	32%	0%
	Female	100%	100%	40%	34%	40%	39%	36%	32%	31%	31%	29%	24%	29%	1%
Indonesia	Male	100%	100%	42%	59%	58%	58%	51%	57%	42%	35%	52%	35%	26%	2%
	Female	100%	100%	41%	56%	59%	53%	46%	54%	38%	36%	47%	32%	27%	2%
Guatemala	Male	100%	100%	68%	70%	77%	73%	69%	68%	61%	65%	65%	62%	63%	3%
	Female	100%	100%	49%	52%	57%	50%	50%	49%	43%	43%	46%	43%	42%	2%

Most reported barrier in that country



Awareness of mobile use cases for business among microentrepreneurs who use mobile for business

Percentage of micro-entrepreneurs surveyed who use mobile for business

		Communicate with customers	Communicate with suppliers	Market, advertise or promote my business	Take out loans, credit, insurance products	Save or store money in account	Make or receive payments	Issue invoices or receipts for my business	Learn new skills or get new ideas for my business	Manage or track my business finances	Plan business activities	Access maps or location services	Find information to help with business	Store information and files	Any other way
Ethiopia	Male	100%	100%	48%	70%	48%	49%	61%	59%	45%	47%	29%	34%	29%	1%
	Female	100%	100%	38%	58%	38%	43%	55%	40%	36%	32%	12%	23%	20%	2%
Ghana	Male	100%	100%	92%	81%	83%	79%	75%	71%	88%	66%	65%	69%	46%	0%
	Female	100%	100%	89%	74%	80%	62%	64%	56%	87%	58%	50%	63%	35%	0%
Kenya	Male	100%	100%	98%	80%	82%	82%	76%	72%	93%	76%	66%	85%	43%	1%
	Female	100%	100%	96%	74%	71%	70%	64%	66%	91%	68%	55%	78%	40%	2%
Nigeria	Male	100%	100%	82%	84%	78%	68%	74%	69%	78%	60%	58%	60%	42%	1%
	Female	100%	100%	78%	73%	70%	67%	64%	67%	71%	55%	52%	53%	34%	2%
Senegal	Male	100%	100%	89%	77%	80%	71%	68%	76%	67%	64%	55%	50%	55%	3%
	Female	100%	100%	73%	51%	57%	43%	43%	48%	48%	34%	27%	29%	36%	1%
Bangladesh	Male	100%	100%	75%	58%	67%	64%	66%	57%	60%	63%	50%	51%	48%	3%
	Female	100%	100%	74%	61%	67%	64%	74%	55%	63%	61%	53%	46%	49%	2%
India	Male	100%	100%	63%	61%	64%	63%	62%	51%	62%	60%	59%	51%	51%	0%
	Female	100%	100%	46%	47%	48%	49%	44%	43%	45%	45%	42%	39%	38%	0%
Pakistan	Male	100%	100%	66%	54%	63%	55%	63%	52%	61%	56%	51%	41%	40%	2%
	Female	100%	100%	65%	54%	58%	64%	57%	49%	48%	50%	43%	40%	43%	1%
Indonesia	Male	100%	100%	54%	78%	74%	76%	66%	75%	51%	46%	69%	42%	35%	2%
	Female	100%	100%	65%	88%	88%	84%	73%	86%	64%	60%	72%	52%	45%	2%
Guatemala	Male	100%	100%	82%	83%	87%	86%	84%	83%	75%	80%	82%	70%	78%	3%
	Female	100%	100%	83%	83%	87%	82%	80%	80%	70%	76%	72%	72%	73%	0%

Most reported barrier in that country



Barriers preventing mobileowning micro-entrepreneurs from starting to use a mobile for business or using it more

In each of the 10 survey countries:

- 1. Micro-entrepreneurs who owned a phone but did not yet use a mobile for business were asked to identify barriers preventing them from doing so.
- 2. Micro-entrepreneurs who owned a phone and already used a mobile for business were asked to identify barriers preventing them from using it *more* in their business.

The following data tables show the <u>separate results</u> of these two groups.



Barriers preventing mobile-owning micro-entrepreneurs from starting to use mobile for business

Percentage of micro-entrepreneurs surveyed who own a phone and do not yet use mobile for business

		DON'T HAVE	THE RIGHT FPHONE	RELEV	/ANCE	SAFETY AND SECURITY	SKILL CONFII	S AND DENCE	DATA/ SERVICE AFFORD- ABILITY	SOCIAL	NORMS		INFRA	STRUCTURE	OTHER	
		No internet enabled phone	Phone not allowing to do things easily	Prefer cash/other payment type	Mobile can't help my business (more)	Safety and security concerns	Lack confidence or skills	Need help using mobile	Cost of mobile data or services	Family concerns	Uncomfortable connecting with other gender	Limited/ no coverage	Slow connection	Agent access/ service	Limited battery	Something else
Ethiopia	Male	50%	40%	34%	29%	12%	31%	17%	17%	2%	5%	31%	28%	16%	25%	3%
	Female	54%	44%	39%	27%	18%	47%	33%	24%	0%	12%	17%	9%	18%	15%	7%
Ghana	Male	24%	21%	13%	3%	12%	19%	18%	11%	1%	2%	9%	7%	6%	5%	3%
	Female	21%	27%	19%	5%	13%	19%	15%	17%	2%	3%	6%	5%	4%	4%	8%
Kenya	Male	32%	35%	33%	11%	23%	20%	13%	26%	5%	7%	11%	7%	12%	11%	3%
	Female	35%	37%	42%	13%	29%	26%	16%	29%	7%	10%	6%	8%	5%	10%	2%
Nigeria	Male	20%	20%	27%	4%	22%	17%	18%	21%	2%	8%	9%	5%	8%	2%	7%
	Female	30%	34%	47%	11%	23%	29%	26%	31%	9%	13%	17%	26%	15%	15%	23%
Senegal	Male	20%	25%	23%	6%	16%	19%	17%	4%	5%	5%	15%	7%	11%	5%	3%
	Female	26%	24%	23%	17%	15%	13%	22%	15%	3%	9%	15%	7%	6%	3%	2%
Bangladesh	Male	20%	8%	17%	14%	19%	17%	11%	17%	8%	5%	6%	10%	8%	7%	13%
	Female															
India	Male	25%	34%	39%	32%	35%	36%	33%	27%	20%	21%	23%	27%	27%	26%	25%
	Female	20%	22%	33%	21%	29%	29%	29%	20%	17%	20%	21%	19%	20%	21%	13%
Pakistan	Male	25%	23%	35%	19%	31%	26%	17%	23%	23%	21%	18%	22%	24%	24%	14%
	Female	29%	23%	24%	14%	43%	27%	20%	27%	29%	27%	15%	19%	18%	22%	12%
Indonesia	Male	14%	23%	56%	29%	31%	33%	22%	37%	11%	17%	35%	26%	23%	26%	11%
	Female	22%	22%	49%	30%	34%	44%	18%	26%	20%	21%	24%	21%	19%	15%	10%
Guatemala	Male	22%	28%	29%	24%	44%	42%	28%	26%	27%	23%	24%	24%	19%	27%	11%
	Female	19%	29%	35%	23%	43%	39%	22%	22%	24%	24%	25%	30%	21%	30%	14%

Most reported barrier in that country



Barriers preventing mobile-owning micro-entrepreneurs from using mobile for business more

Percentage of micro-entrepreneurs surveyed who own a phone and use mobile for business

		DON'T HAVE THE RIGHT TYPE OF PHONE		RELEVANCE		SAFETY AND SECURITY SKILLS AND CONFIDENCE		DATA/ SERVICE AFFORD- ABILITY SOCIAL NORMS			INFRASTRUCTURE/OTHER					
		No internet enabled phone	Phone not allowing to do things easily	Prefer cash/other payment type	Mobile can't help my business (more)	Safety and security concerns	Lack confidence or skills	Need help using mobile	Cost of mobile data or services	Family concerns	Uncomfortable connecting with other gender	Limited/ no coverage	Slow connection	Agent access/ service	Limited battery	Something else
Ethiopia	Male	46%	48%	36%	18%	15%	38%	21%	23%	2%	5%	33%	31%	11%	25%	1%
	Female	59%	54%	41%	24%	13%	45%	27%	21%	4%	8%	22%	18%	13%	12%	3%
Ghana	Male	12%	12%	10%	3%	9%	7%	9%	14%	2%	4%	7%	6%	5%	5%	3%
	Female	14%	19%	16%	4%	11%	13%	19%	15%	7%	6%	7%	7%	8%	5%	5%
Kenya	Male	19%	19%	27%	4%	20%	10%	7%	25%	4%	5%	11%	14%	6%	14%	3%
	Female	24%	25%	27%	6%	18%	13%	7%	26%	4%	6%	9%	13%	6%	13%	2%
Nigeria	Male	19%	21%	33%	8%	21%	20%	14%	21%	6%	9%	10%	11%	10%	11%	9%
	Female	23%	30%	33%	8%	22%	24%	20%	27%	5%	7%	7%	12%	10%	11%	9%
Senegal	Male	13%	13%	13%	2%	4%	7%	9%	14%	1%	4%	10%	9%	12%	5%	2%
	Female	22%	26%	12%	6%	9%	9%	16%	20%	0%	2%	12%	6%	10%	5%	3%
Bangladesh	Male	17%	23%	28%	12%	25%	19%	10%	13%	11%	10%	10%	10%	14%	15%	8%
	Female	29%	23%	20%	14%	27%	25%	15%	13%	22%	24%	13%	26%	13%	17%	11%
India	Male	9%	18%	31%	19%	27%	22%	23%	21%	15%	17%	18%	22%	16%	19%	12%
	Female	10%	17%	24%	19%	22%	20%	21%	15%	14%	15%	15%	17%	14%	16%	10%
Pakistan	Male	8%	14%	35%	9%	21%	19%	20%	15%	10%	18%	22%	14%	16%	13%	2%
	Female	10%	18%	42%	15%	30%	23%	17%	25%	13%	15%	24%	16%	14%	15%	6%
Indonesia	Male	25%	23%	39%	19%	27%	30%	19%	17%	7%	15%	19%	18%	17%	20%	7%
	Female	14%	22%	36%	18%	18%	20%	21%	16%	19%	18%	16%	14%	17%	21%	8%
Guatemala	Male	20%	25%	32%	16%	36%	35%	23%	14%	10%	16%	32%	30%	21%	27%	7%
	Female	9%	24%	25%	12%	35%	24%	15%	10%	10%	18%	23%	33%	12%	23%	2%

Most reported barrier in that country





Barriers preventing mobileowning micro-entrepreneurs from starting to use a mobile for business or using it more

In each of the 10 survey countries:

- 1. Micro-entrepreneurs who owned a phone but did not yet use a mobile for business were asked to identify barriers preventing them from doing so.
- 2. Micro-entrepreneurs who owned a phone and already used a mobile for business were asked to identify barriers preventing them from using it *more* in their business.

The following data tables show the <u>combined</u> <u>results</u> of these two groups among various demographic groups.



Barriers preventing mobileowning micro-entrepreneurs from starting to use a mobile for business or using it more

Demographic cuts:

- Urban
- Rural
- Secondary education and above
- Primary education and below
- Agricultural sector
- Non-agricultural sectors

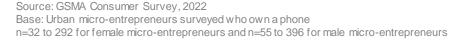


Barriers preventing urban mobile-owning micro-entrepreneurs from starting to use mobile for business or using it more

Percentage of urban micro-entrepreneurs surveyed who own a phone

		DON'T HAVE THE RIGHT TYPE OF PHONE		RELEVANCE		SAFETY AND SECURITY	SKILL CONFII	_	DATA/ SERVICE AFFORD- ABILITY	SOCIAL	. NORMS	INFRASTRUCTURE/OTHER						
		No internet enabled phone	Phone not allowing to do things easily	Prefer cash/other payment type	Mobile can't help my business (more)	Safety and security concerns	Lack confidence or skills	Need help using mobile	Cost of mobile data or services	Family concerns	Uncomfortable connecting with other gender	Limited/ no coverage	Slow connection	Agent access/ service	Limited battery	Something else		
	Male	36%	32%	38%	22%	14%	20%	15%	17%	1%	7%	22%	21%	13%	10%	2%		
	Female	49%	47%	43%	23%	13%	40%	32%	23%	0%	9%	2%	12%	14%	2%	1%		
	Male	11%	10%	10%	4%	11%	7%	9%	11%	2%	4%	7%	8%	6%	5%	5%		
	Female	18%	22%	16%	7%	8%	13%	17%	16%	5%	6%	6%	6%	8%	5%	6%		
Kenya	Male	21%	21%	32%	4%	21%	11%	9%	21%	2%	5%	5%	9%	7%	10%	3%		
	Female	26%	27%	32%	11%	19%	13%	7%	24%	4%	8%	7%	9%	2%	9%	1%		
Nigeria	Male	13%	11%	24%	7%	18%	18%	15%	20%	4%	8%	6%	6%	8%	8%	6%		
	Female	22%	25%	38%	8%	23%	26%	21%	29%	4%	5%	6%	14%	9%	10%	12%		
Senegal	Male	6%	10%	13%	4%	4%	9%	8%	10%	1%	4%	7%	5%	4%	6%	0%		
	Female	15%	19%	13%	13%	10%	8%	12%	15%	1%	7%	7%	6%	1%	4%	4%		
Bangladesh	Male	16%	25%	23%	19%	24%	18%	10%	13%	9%	8%	9%	9%	14%	16%	10%		
	Female	21%	19%	11%	12%	25%	10%	6%	13%	13%	7%	6%	7%	3%	3%	6%		
India	Male	16%	23%	29%	23%	29%	26%	24%	23%	15%	17%	18%	21%	19%	19%	17%		
	Female	10%	18%	27%	21%	23%	22%	23%	13%	14%	14%	11%	20%	14%	16%	14%		
Pakistan	Male	17%	22%	33%	18%	27%	26%	18%	17%	11%	14%	11%	12%	16%	21%	4%		
	Female	8%	15%	33%	10%	24%	11%	13%	11%	16%	22%	8%	7%	13%	21%	2%		
Indonesia	Male	13%	21%	43%	17%	29%	28%	23%	26%	13%	21%	30%	20%	21%	20%	8%		
	Female	14%	21%	50%	18%	34%	33%	20%	23%	16%	18%	21%	18%	17%	12%	9%		
Guatemala	Male	13%	22%	28%	18%	38%	37%	28%	11%	11%	15%	32%	29%	20%	30%	7%		
	Female	12%	19%	19%	10%	37%	33%	20%	8%	8%	18%	12%	27%	10%	16%	4%		

Most reported barrier in that country





Barriers preventing rural mobile-owning micro-entrepreneurs from starting to use mobile for business or using it more

Percentage of rural micro-entrepreneurs surveyed who own a phone

	-	DON'T HA RIGHT T PHO	YPE OF	RELEVANCE		SECURITY CONFIDENCE		DATA/ SERVICE AFFORD- ABILITY SOCIAL NORMS			INFRASTRUCTURE/OTHER						
		No internet enabled phone	Phone not allowing to do things easily	Prefer cash/other payment type	Mobile can't help my business (more)	Safety and security concerns	Lack confidence or skills	Need help using mobile	Cost of mobile data or services	Family concerns	Uncomfortable connecting with other gender	Limited/ no coverage	Slow connection	Agent access/ service	Limited battery	Something else	
Ethiopia	Male	50%	48%	35%	22%	14%	40%	21%	22%	2%	5%	35%	32%	13%	28%	2%	
	Female	59%	50%	39%	26%	16%	49%	29%	22%	3%	10%	26%	15%	16%	18%	6%	
Ghana	Male	17%	19%	11%	2%	8%	11%	11%	17%	2%	4%	7%	5%	5%	4%	1%	
	Female	12%	19%	18%	2%	16%	17%	20%	15%	7%	5%	7%	7%	6%	3%	7%	
Kenya	Male	24%	25%	28%	7%	21%	14%	8%	28%	5%	6%	14%	14%	9%	15%	3%	
	Female	29%	31%	33%	8%	24%	20%	12%	29%	6%	7%	9%	13%	7%	14%	3%	
Nigeria	Male	23%	29%	37%	7%	24%	21%	15%	21%	6%	9%	12%	13%	11%	10%	11%	
	Female	27%	37%	35%	9%	22%	25%	23%	28%	9%	13%	13%	18%	15%	15%	13%	
Senegal	Male	21%	20%	17%	2%	8%	11%	14%	13%	2%	5%	15%	11%	18%	5%	4%	
	Female	34%	31%	21%	8%	14%	14%	27%	21%	1%	3%	20%	7%	15%	5%	2%	
Bangladesh	Male	19%	16%	25%	9%	23%	19%	10%	15%	10%	9%	9%	11%	12%	11%	9%	
	Female	32%	24%	25%	23%	30%	36%	16%	17%	29%	31%	11%	31%	20%	18%	14%	
India	Male	15%	25%	36%	25%	31%	28%	28%	23%	18%	19%	21%	25%	21%	23%	17%	
	Female	18%	20%	29%	19%	27%	27%	26%	20%	16%	19%	23%	17%	20%	20%	11%	
Pakistan	Male	28%	24%	39%	20%	29%	30%	19%	20%	13%	18%	21%	21%	21%	21%	11%	
	Female	27%	27%	29%	18%	32%	29%	24%	26%	28%	23%	19%	21%	20%	22%	14%	
Indonesia	Male	6%	12%	44%	18%	19%	19%	16%	21%	6%	12%	22%	17%	13%	15%	2%	
	Female	16%	16%	39%	28%	28%	29%	13%	29%	15%	17%	29%	18%	15%	18%	6%	
Guatemala	Male	28%	30%	33%	21%	42%	39%	23%	27%	24%	23%	25%	26%	20%	24%	10%	
	Female	18%	36%	45%	27%	42%	33%	18%	27%	30%	26%	39%	37%	25%	40%	15%	

Most reported barrier in that country

Least reported barrier in that country



Base: Rural micro-entrepreneurs surveyed who own a phone n=53 to 350 for female micro-entrepreneurs and n=54 to 510 for male micro-entrepreneurs



Barriers preventing mobile-owning micro-entrepreneurs with secondary education or above from starting to use mobile for business or using it more

Percentage of micro-entrepreneurs surveyed with secondary education or above and own a phone

		RIGHT T			SECURITY CONFIDENCE		DATA/ SERVICE AFFORD- ABILITY	SERVICE AFFORD- SOCIAL NORMS			INFRASTRUCTURE/OTHER						
		No internet enabled phone	Phone not allowing to do things easily	Prefer cash/other payment type	Mobile can't help my business (more)	Safety and security concerns	Lack confidence or skills	Need help using mobile	Cost of mobile data or services	Family concerns	Uncomfortable connecting with other gender	Limited/ no coverage	Slow connection	Agent access/ service	Limited battery	Something else	
Ethiopia	Male	31%	29%	38%	32%	13%	6%	8%	20%	0%	6%	28%	31%	18%	2%	1%	
	Female																
Ghana	Male	8%	9%	10%	3%	11%	6%	8%	11%	2%	4%	7%	7%	5%	5%	4%	
	Female	14%	17%	13%	5%	9%	13%	11%	17%	5%	7%	10%	7%	8%	5%	7%	
Kenya	Male	16%	16%	27%	3%	21%	9%	3%	24%	5%	4%	8%	6%	6%	10%	3%	
	Female	20%	24%	30%	8%	22%	6%	5%	22%	6%	9%	5%	10%	3%	11%	3%	
Nigeria	Male	10%	9%	22%	4%	15%	10%	6%	16%	2%	5%	10%	11%	3%	8%	7%	
	Female	15%	23%	27%	6%	25%	18%	11%	25%	6%	11%	11%	22%	10%	14%	14%	
Senegal	Male	5%	8%	15%	2%	5%	6%	0%	12%	0%	2%	12%	5%	2%	3%	0%	
	Female																
Bangladesh	Male	13%	14%	24%	11%	21%	17%	12%	10%	12%	6%	10%	9%	11%	10%	10%	
	Female	17%	22%	26%	11%	22%	18%	15%	15%	27%	21%	14%	33%	16%	15%	13%	
India	Male	16%	25%	35%	24%	33%	28%	27%	25%	17%	20%	22%	25%	23%	23%	16%	
	Female	15%	23%	33%	24%	32%	30%	25%	23%	18%	22%	21%	23%	22%	25%	15%	
Pakistan	Male	11%	17%	35%	18%	22%	20%	13%	21%	9%	15%	21%	15%	18%	19%	6%	
	Female	9%	14%	25%	17%	23%	17%	15%	19%	19%	20%	13%	15%	17%	22%	8%	
Indonesia	Male	6%	17%	44%	15%	25%	21%	22%	23%	8%	17%	29%	18%	19%	16%	6%	
	Female	10%	18%	39%	9%	30%	26%	16%	22%	10%	17%	28%	20%	14%	15%	8%	
Guatemala	Male	17%	20%	31%	16%	36%	33%	22%	16%	18%	20%	28%	30%	18%	22%	7%	
	Female	6%	15%	22%	13%	25%	26%	14%	7%	11%	15%	17%	25%	10%	15%	3%	

Most reported barrier in that country





Barriers preventing mobile-owning micro-entrepreneurs with primary education or below from starting to use mobile for business or using it more

Percentage of micro-entrepreneurs surveyed with primary education or below and own a phone

		DON'T HAVE THE RIGHT TYPE OF PHONE		RELEVANCE		SAFETY AND SECURITY	_	SKILLS AND CONFIDENCE		SOCIAL NORMS		INFRASTRUCTURE/OTHER					
		No internet enabled phone	Phone not allowing to do things easily	Prefer cash/other payment type	Mobile can't help my business (more)	Safety and security concerns	Lack confidence or skills	Need help using mobile	Cost of mobile data or services	Family concerns	Uncomfortable connecting with other gender	Limited/ no coverage	Slow connection	Agent access/ service	Limited battery	Something else	
Ethiopia	Male	49%	46%	35%	21%	14%	39%	21%	21%	2%	5%	33%	30%	12%	27%	2%	
	Female	58%	50%	41%	26%	15%	49%	30%	22%	3%	10%	21%	15%	16%	15%	5%	
Ghana	Male	29%	28%	12%	2%	7%	16%	17%	22%	3%	3%	7%	5%	6%	3%	2%	
	Female	17%	26%	21%	4%	15%	17%	26%	13%	6%	3%	2%	5%	6%	4%	5%	
Kenya	Male	26%	27%	30%	7%	20%	14%	11%	26%	4%	7%	12%	15%	9%	15%	3%	
	Female	30%	31%	34%	10%	22%	21%	12%	29%	5%	7%	9%	12%	6%	12%	2%	
Nigeria	Male	26%	31%	40%	9%	27%	28%	23%	25%	7%	11%	9%	10%	15%	10%	10%	
	Female	34%	40%	47%	11%	19%	33%	32%	31%	6%	7%	9%	11%	13%	11%	12%	
Senegal	Male	16%	18%	16%	3%	7%	11%	14%	11%	2%	5%	11%	9%	14%	6%	3%	
	Female	25%	25%	18%	12%	11%	12%	20%	19%	1%	6%	13%	7%	7%	4%	3%	
Bangladesh	Male	24%	26%	25%	15%	27%	20%	9%	18%	8%	12%	6%	11%	16%	15%	9%	
	Female	36%	23%	16%	25%	33%	33%	11%	16%	22%	24%	5%	15%	14%	12%	10%	
India	Male	15%	24%	30%	25%	23%	26%	25%	18%	17%	14%	15%	21%	13%	19%	20%	
	Female	16%	15%	23%	16%	18%	19%	25%	11%	13%	12%	15%	11%	12%	11%	8%	
Pakistan	Male	37%	29%	39%	20%	34%	37%	24%	18%	16%	19%	17%	23%	21%	23%	13%	
	Female	29%	28%	34%	15%	35%	28%	24%	23%	27%	25%	18%	18%	18%	21%	11%	
Indonesia	Male	17%	18%	43%	20%	26%	30%	18%	26%	13%	19%	25%	20%	18%	21%	6%	
	Female	20%	21%	52%	35%	33%	38%	18%	28%	23%	17%	19%	16%	18%	14%	8%	
Guatemala	Male	25%	34%	31%	24%	45%	44%	29%	24%	18%	19%	28%	24%	22%	32%	11%	
	Female	24%	39%	40%	23%	55%	40%	25%	27%	26%	29%	33%	39%	25%	40%	15%	

Most reported barrier in that country



Barriers preventing mobile-owning micro-entrepreneurs in the agricultural sector from starting to use mobile for business or using it more

Percentage of micro-entrepreneurs surveyed in the agricultural sector who own a phone

		DON'T HAVE THE RIGHT TYPE OF PHONE		RELEVANCE		SECURITY CONFIDENCE		DATA/ SERVICE AFFORD- ABILITY SOCIAL NORMS			INFRASTRUCTURE/OTHER						
		No internet enabled phone	Phone not allowing to do things easily	Prefer cash/other payment type	Mobile can't help my business (more)	Safety and security concerns	Lack confidence or skills	Need help using mobile	Cost of mobile data or services	Family concerns	Uncomfortable connecting with other gender	Limited/ no coverage	Slow connection	Agent access/ service	Limited battery	Something else	
Ethiopia	Male	53%	52%	39%	23%	18%	46%	26%	30%	3%	5%	40%	31%	16%	34%	2%	
	Female	54%	49%	38%	25%	18%	60%	38%	28%	2%	11%	21%	20%	20%	23%	10%	
Ghana	Male	24%	18%	8%	3%	11%	11%	18%	21%	3%	3%	11%	5%	9%	7%	2%	
	Female	24%	29%	19%	1%	13%	19%	13%	31%	3%	7%	6%	16%	3%	3%	5%	
Kenya	Male	33%	25%	30%	10%	26%	19%	14%	27%	7%	10%	18%	14%	13%	15%	3%	
	Female	35%	45%	34%	11%	29%	29%	17%	34%	8%	9%	10%	9%	9%	11%	3%	
Nigeria	Male	20%	19%	26%	2%	22%	26%	17%	24%	0%	9%	7%	4%	5%	10%	7%	
	Female	35%	21%	31%	2%	20%	32%	14%	36%	5%	11%	9%	16%	11%	16%	9%	
Senegal	Male Female	20%	25%	22%	3%	9%	16%	18%	26%	3%	5%	14%	6%	18%	12%	0%	
Bangladesh	Male	28%	26%	39%	17%	30%	34%	17%	29%	17%	8%	14%	19%	20%	10%	13%	
	Female	32%	22%	21%	23%	26%	27%	2%	10%	21%	17%	6%	16%	7%	9%	12%	
India	Male	22%	31%	39%	29%	32%	33%	37%	25%	16%	20%	21%	26%	17%	24%	18%	
	Female	13%	9%	23%	18%	24%	19%	25%	12%	14%	12%	18%	13%	18%	15%	6%	
Pakistan	Male	33%	23%	42%	20%	33%	30%	21%	27%	9%	21%	14%	27%	20%	22%	14%	
	Female	32%	24%	24%	20%	48%	34%	14%	24%	39%	32%	20%	18%	28%	17%	17%	
Indonesia	Male																
Overte media	Female	200/	000/	200/	000/	0.40/	070/	000/	050/	050/	070/	000/	000/	000/	000/	00/	
Guatemala	Male Female	30%	36%	30%	22%	34%	37%	26%	25%	25%	27%	28%	29%	22%	28%	9%	

Most reported barrier in that country







Barriers preventing mobile-owning micro-entrepreneurs in non-agricultural sectors from starting to use mobile for business or using it more

Percentage of micro-entrepreneurs surveyed in non-agricultural sectors who own a phone

		DON'T HAVE THE RIGHT TYPE OF PHONE		RELEVANCE		SAFETY AND SECURITY	AND SKILLS AND CONFIDENCE		DATA/ SERVICE AFFORD- ABILITY			INFRASTRUCTURE/OTHER						
		No internet enabled phone	Phone not allowing to do things easily	Prefer cash/other payment type	Mobile can't help my business (more)	Safety and security concerns	Lack confidence or skills	Need help using mobile	Cost of mobile data or services	Family concerns	Uncomfortable connecting with other gender	Limited/ no coverage	Slow connection	Agent access/ service	Limited battery	Something else		
Ethiopia	Male	41%	36%	32%	21%	9%	24%	12%	11%	1%	5%	24%	30%	8%	14%	2%		
	Female	58%	50%	41%	26%	14%	38%	25%	19%	3%	9%	19%	11%	13%	8%	1%		
Ghana	Male	12%	13%	11%	3%	9%	8%	9%	13%	2%	4%	6%	7%	5%	4%	4%		
	Female	15%	20%	17%	5%	11%	14%	18%	14%	6%	5%	7%	6%	7%	5%	6%		
Kenya	Male	18%	23%	29%	4%	18%	10%	6%	25%	3%	4%	8%	11%	6%	13%	3%		
	Female	26%	25%	32%	8%	20%	14%	8%	25%	4%	7%	8%	12%	4%	12%	2%		
Nigeria	Male	19%	21%	33%	9%	21%	18%	14%	20%	6%	9%	10%	11%	11%	9%	9%		
	Female	22%	34%	38%	10%	23%	24%	24%	26%	7%	9%	10%	16%	12%	12%	14%		
Senegal	Male	11%	11%	13%	3%	5%	7%	7%	5%	1%	4%	10%	9%	8%	2%	3%		
	Female	22%	24%	15%	12%	12%	11%	17%	18%	2%	5%	14%	6%	8%	4%	3%		
Bangladesh	Male	15%	17%	20%	11%	21%	14%	8%	9%	8%	9%	7%	8%	10%	13%	8%		
	Female	25%	23%	20%	16%	30%	27%	22%	21%	26%	28%	12%	29%	21%	16%	11%		
India	Male	13%	22%	32%	23%	30%	25%	23%	22%	17%	18%	19%	23%	21%	21%	17%		
	Female	16%	22%	30%	21%	26%	27%	25%	19%	16%	19%	19%	20%	18%	20%	14%		
Pakistan	Male	22%	24%	36%	19%	26%	28%	18%	16%	14%	15%	21%	16%	19%	21%	8%		
	Female	18%	22%	32%	14%	24%	20%	22%	20%	19%	20%	14%	16%	14%	23%	8%		
Indonesia	Male	9%	19%	42%	14%	25%	22%	20%	23%	10%	18%	25%	21%	17%	19%	6%		
	Female	15%	19%	46%	20%	33%	32%	18%	28%	17%	19%	23%	20%	16%	15%	7%		
Guatemala	Male	15%	21%	32%	18%	44%	39%	25%	16%	14%	14%	28%	26%	19%	26%	9%		
	Female	16%	24%	32%	16%	39%	33%	19%	18%	18%	19%	24%	33%	19%	26%	8%		

Most reported barrier in that country



