

Appendix 1: Details of pattern of voice mobile call detail record CUG communication in study districts (clusters)

Cluster	*Health facility calling	Number of SIM cards making calls	Frequency of intra-facility communication	Frequency of intra-cluster communication by health facility type involved in the communication			Frequency of inter-cluster communication by health facility type involved in the communication			†Total CUG communication
				CHPS	HC	Hospital	CHPS	HC	Hospital	
Afram Plains North	CHPS A	1	2	2	2	0	0	0	0	6
	Health Centre A	2	1	7	0	0	0	0	0	8
	Hospital	4	21	0	0	-	0	0	0	21
Asuogyaman	CHPS A	2	0	0	9	4	4	8	48	73
	CHPS B	1	0	0	13	0	0	0	0	13
	Health Centre A	1	2	0	0	0	0	0	0	2
	Health Centre B	2	0	0	9	0	0	0	0	9
	Health Centre C	1	0	0	28	0	0	1	0	29
	Health Centre D	1	0	0	3	0	0	0	0	3
	Hospital	6	368	0	1	-	0	0	9	378
Birim Central	CHPS A	1	0	0	0	0	1	0	0	1
	CHPS B	1	1	0	0	0	0	0	0	1
	CHPS C	1	0	1	0	0	0	0	0	1
	CHPS D	1	1	0	0	0	0	0	0	1
	Hospital A	14	548	0	0	0	0	0	24	572
	Hospital B	5	84	1	0	0	0	1	0	86

*Health facilities have been named with alphabets for anonymity

† Sum of frequency of intra-facility, intra-cluster and inter-cluster communication

This table combines the use of both shared and individual use phones within the CUG

Appendix 1 continued: Details of pattern of voice mobile call detail record CUG communication in study districts (clusters)

Cluster	*Health facility calling	Number of SIM cards making calls	Frequency of intra-facility communication	Frequency of intra-cluster communication by health facility type involved in the communication			Frequency of inter-cluster communication by health facility type involved in the communication			†Total CUG communication
				CHPS	HC	Hospital	CHPS	HC	Hospital	
Denkyembour	CHPS A	1	0	0	0	2	1	2	0	5
	Health Centre A	1	0	5	0	0	0	0	0	5
	Hospital A	21	3,773	1	0	0	0	0	189	3,963
Kwaebibiraem	Health Centre A	1	0	0	0	0	1	0	0	1
	Hospital	5	1,306	0	0	-	0	0	101	1,407
Kwahu West	CHPS A	2	1	1	1	2	0	0	0	5
	CHPS B	2	55	2	3	0	0	0	0	60
	Health Centre A	1	6	0	0	0	0	0	0	6
	Health Centre B	2	22	0	2	0	0	0	0	24
	Health Centre C	1	0	0	0	5	0	0	3	8
	Health Centre D	2	3	0	5	0	0	0	0	8
	Health Centre E	1	0	0	0	2	0	0	0	2
	Health Centre F	2	9	0	1	0	0	0	0	10
	Health Centre G	1	1	0	0	0	0	0	0	1
	Health Centre H	1	2	0	6	0	0	0	0	8
Hospital	28	1,253	11	13	-	0	0	7	1,284	

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This table combines the use of both shared and individual use phones within the CUG

Appendix 1 continued: Details of pattern of voice mobile call detail record CUG communication in study districts (clusters)

Cluster	*Health facility calling	Number of SIM cards sending SMS	Frequency of intra-facility communication	Frequency of intra-cluster communication by health facility type involved in the communication			Frequency of inter-cluster communication by health facility type involved in the communication			†Total CUG communication
				CHPS	HC	Hospital	CHPS	HC	Hospital	
Lower Manya Krobo	Hospital A	16	2,020	0	0	12	0	1	44	2,077
	Hospital B	13	902	0	0	88	0	0	15	1,005
	Health Centre A	3	66	0	1	0	0	2	0	69
	Health Centre B	2	3	0	0	0	3	0	1	7
	Hospital C	11	586	0	0	41	0	0	6	633
West Akim	Hospital	16	1,205	0	13	-	0	13	2	1,220
	Health Centre A	4	10	0	4	15	0	0	0	29
	Health Centre B	1	0	0	1	0	0	0	0	1

*Health facilities have been named with alphabets for anonymity

† Sum of frequency of intra-facility, intra-cluster and inter-cluster communication

This table combines the use of both shared and individual use phones within the CUG

Appendix 2: Details of pattern of SMS mobile call detail record CUG communication in study districts (clusters)

Cluster	*Health facility sending SMS	Number of SIM cards sending SMS	Frequency of intra-facility communication	Frequency of intra-cluster communication by health facility type involved in the communication			Frequency of inter-cluster communication by health facility type involved in the communication			†Total CUG communication
				CHPS	HC	Hospital	CHPS	HC	Hospital	
Asuogyaman	Hospital	4	215	0	0	-	0	0	2	217
Birim Central	CHPS B	1	3	4	0	0	0	0	0	7
	CHPS D	1	1	0	0		0	0	0	1
	Hospital A	8	12	0	0	0	0	0	2	14
Denkyembour	Hospital A	9	42	0	0	0	0	0	1	43
Kwaebibiraem	Hospital	6	24	0	0	-	0	0	0	24
Kwahu West	CHPS B	1	1	0	0	0	0	0	0	1
	Health Centre A	1	1	0	0	0	0	0	0	1
	Hospital	9	28	0	0	-	0	0	0	28
Lower Manya Krobo	Hospital A	11	29	0	0	2	0	0	6	37
	Hospital B	6	17	0	0	5	0	0	0	22
	Hospital C	7	19	0	0	1	0	0	2	22
West Akim	Health Centre A	1	6	0	0	0	0	0	0	6
	Hospital	4	8	0	0	-	0	0	1	9

*Health facilities have been named with alphabets for anonymity

† Sum of frequency of intra-facility, intra-cluster and inter-cluster communication

This table combines the use of both shared and individual use phones within the CUG