

Supplementary Materials

Figure S1. ICM Health Check Card

ICM INTERNATIONAL CAPSULE NETWORK

Participant name: _____ Health Check Card (June 2014) Trainer: _____
 Community/ID: _____ Pastor: _____ Batch: _____

Adult: 15 years old and above	Name of adult with cough	Age	Name of adult with cough	Age
Do you or any adult in your household have cough for more than 2 weeks?	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Children: 0 -14 years old	Name of child with symptoms	Age	Name of child with symptoms	Age
Is there a child or children in your household that has any of the following symptoms?	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Check the symptoms that the child has		Check the symptoms that the child has	
1. Cough for more than 2 weeks	<input type="text"/>		<input type="text"/>	
2. Fever for more than 2 weeks	<input type="text"/>		<input type="text"/>	
3. Significant/unintentional weight loss	<input type="text"/>		<input type="text"/>	
4. Fatigue, lethargy, general malaise	<input type="text"/>		<input type="text"/>	
5. Failure to respond to appropriate antibiotic therapy after two weeks	<input type="text"/>		<input type="text"/>	
6. Failure to regain previous state of health after two week following a presumed viral infection	<input type="text"/>		<input type="text"/>	

Figure S2. ICM RHU referral card

ICM INTERNATIONAL CAPSULE NETWORK **ICM – RHU REFERRAL CARD**

To: _____ Date of Referral: _____
 (Name of Facility)

Reason for Referral (symptom): _____

Name of Patient: _____

Present Address: _____

Age: _____ Sex: Male Female

Patient contact no: _____

Referred By: _____

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ICM Return Slip

Name of RHU/MHU staff: _____

Designation: _____ Date Received: _____

Patient: _____

Diagnosis: _____ Sputum AFB? Yes / No

Treatment: _____

Figure S3. TB follow-up sheet used by ICM staff to collect data on TB symptom positive participants

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1													
2	No. Stage 1 forms:	1,282		No. Stage 2 forms returned by trainers:	44			No. RHU referrals given to patients:	346		No. patient lists given to RHU's:	73	
3	Community			Patient details				First stage screening		Second stage screening			
5	Health Trainer	Community	Community ID	Patient Name	Contact No	Age (Years)	sex	Participant or Household member?	Symptom(s) - List all ticked for a child	Was second stage screening done?	Date of second stage screening	Referral to RHU required after second screen?	

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2		No. communities visited by midwife			16		No. TB cases diagnosed to date during batch:		3		Manna Packs Given	180	
3	RHU referral and diagnosis										Progress update		
5	Date of referral to RHU	Date attended RHU	RHU assessment (e.g. asthma, pneumonia, possible TB)	Sputum test required ?	Date of sputum collection	Sputum result	Other test result (CXR/PPD)	Outcome	If TB confirmed, date enrolled onto DOTS	Date patient last contacted	Update		

Table S4. Literacy rate among program participants

Literacy	Screened	%	Referred	%	Attended	%
Illiterate	1708	36.85%	420	32.56%	109	32.73%
Literate	2441	52.66%	707	54.81%	172	51.65%
N/A*	486	10.49%	163	12.64%	52	15.62%

*participant data was absent

Table S5. Children versus adults at each stage

Category	Screened	%	Referred	%	Attended	%
Children	1708	36.85%	315	24.42%	81	24.32%
Adult	2863	61.77%	968	75.04%	248	74.47%
N/As*	64	1.38%	7	0.54%	4	1.20%

*some participants' age were missing from the data set.

Figure S6. Histogram of participants identified with different Number of Symptoms

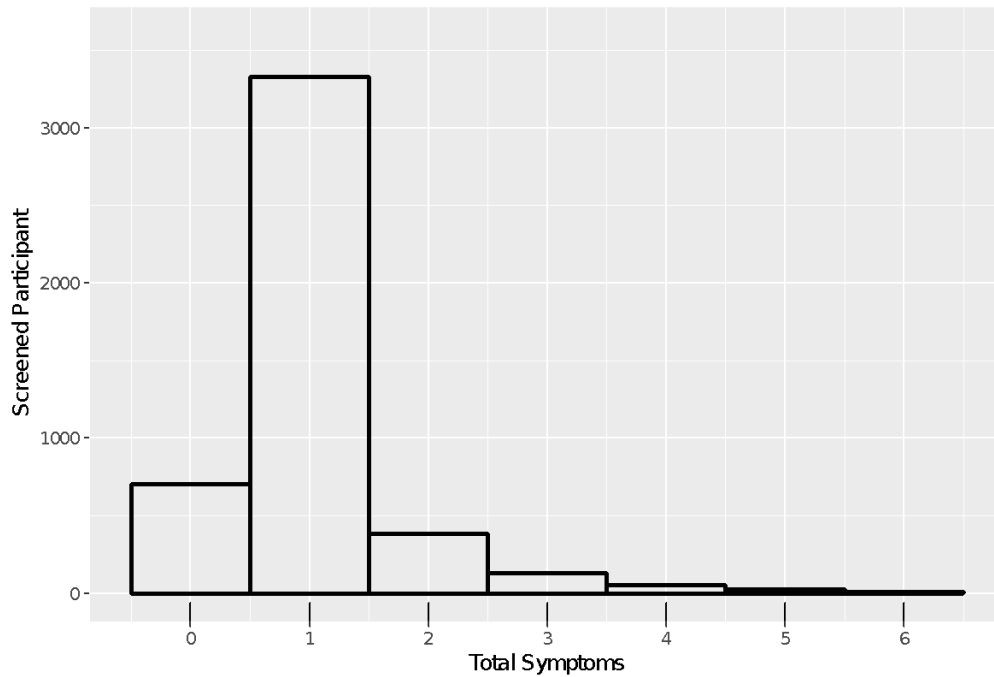


Table S7. Univariate analysis of all symptom variables

Coefficients	Estimate	Std. Error	Pr(> t)
(Intercept)	0.13	0.03	<0.001 ***
cough.2wks	0.16	0.03	<0.001 ***
AIC: 1507			
Coefficients	Estimate	Std. Error	Pr(> t)
(Intercept)	0.25	0.01	<0.001 ***
fever.2wks	0.09	0.05	0.102

AIC: 1532				
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Coefficients:	Estimate	Std. Error	Pr(> t)	
(Intercept)	0.25	0.01	<0.001	***
weight.loss	0.06	0.05	0.182	

AIC: 1532.9				
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Coefficients:	Estimate	Std. Error	Pr(> t)	
(Intercept)	0.25	0.01	<0.001	***
gen.malaise	0.11	0.06	0.0643	.

AIC: 1531.3				
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Coefficients:	Estimate	Std. Error	Pr(> t)	
(Intercept)	0.26	0.01	<0.001	***
antibiotics.2wks	0.05	0.92	0.61	

AIC: 1534.4				
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Coefficients:	Estimate	Std. Error	Pr(> t)	
(Intercept)	0.26	0.01	<0.001	***
virus.2wks	-0.15	0.10	0.151	

AIC: 1532.6				
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