	Condition sets					Number of cases	Outcome	Raw consistency
Medication	Facility Training	Facility supervision	Community supervision	Use of CIDT	Community awareness			
1	1	0	0	1	1	6	1	0.99
1	1	1	0	1	1	6	1	0.97
1	1	1	0	0	1	4	1	0.97
1	1	0	0	0	1	14	1	0.93
1	1	1	1	0	1	10	1	0.91
1	1	1	1	1	1	13	1	0.89
1	1	0	0	1	0	4	1	0.83
1	0	0	0	0	0	2	0	0.72
0	1	0	0	0	0	7	0	0.47
0	0	0	0	0	0	12	0	0.30

Note: Only the rows where data was available have been included and not the logical remainders

Supplementary Table 2 Abbreviated truth table low primary care service utilisation for mental illness.

					Condition sets								
Medication	Trained Facility Staff	Trained Community staff	Psychosocial interventions	MHGAP	Referral	Facility supervision	Community supervision	Use of CIDT	Community awareness	Number of cases	No outcome	Raw consistency
0	1	0	1	0	1	0	0	0	0	4	1	1.00
0	0	0	1	0	1	0	0	0	0	3	1	1.00
0	1	0	0	0	1	0	0	0	0	2	1	1.00
0	0	0	0	0	0	0	0	0	0	4	1	0.99
1	1	1	1	0	1	0	0	1	0	3	1	0.96
0	0	0	0	0	1	0	0	0	0	5	1	0.84
1	1	1	1	1	1	1	1	0	1	10	0	0.47
1	1	1	1	1	1	1	1	1	1	13	0	0.44
1	1	1	1	1	1	1	0	0	1	4	0	0.40
1	1	1	1	1	1	1	0	1	1	6	0	0.39
1	1	1	1	1	1	0	0	1	1	5	0	0.38
1	1	1	1	1	1	0	0	0	1	14	0	0.34

Note: Only the rows where data was available have been included and not the logical remainders