http://dx.doi.org/10.1590/1516-4446-2019-0722

Table S1 Inputs for the model

Input	Value	Source
Disease progression		
Population mortality rate	Life-table	WHO life tables
Mortality rate ratio for schizophrenia	2.98	Brown et al., 2000
Cumulative risk of CHR conversion to schizophrenia		Schmidt et al., 2015
- 6 months	9.6%	
- 1 year	15%	
- 2 years	19.4%	
- 4 years	25.3%	
- Lifetime	37%	
Schizophrenia conversion for regular-risk patients (general population)	Time variant	Sutterland et al., 2012
Risk of recovery from CHR to regular psychosis risk		Polari et al., 2017
- 3 months	22.3%	
- 6 months	13.4%	
Intervention-related		
Treatment risk ratio for CHR conversion over the first year	0.263	Morrison et al., 2004
Treatment risk ratio for CHR conversion after 1 year	1	Assumption
Treatment risk ratio for regular risk conversion to schizophrenia	1	Assumption
Dropout risk for the intervention	10%	Morrison et al., 2004
Screening sensitivity, base case	70%	Assumption (based on Bearden et al., 2011)
Screening specificity, base case	70%	Assumption (based on Bearden et al., 2011)
Screening sensitivity and specificity, perfect information	100%	Perfect scenario (Bedi et al., 2015)
Utilities		
Regular risk state	1	Assumption
CHR state	0.95	Assumption
Schizophrenia state	0.75	Lenert et al., author (DM)
CT downside for regular risk patients	None	Assumption
CT improvement for CHR patients	None	Assumption
Costs (per patient, in 2018 US dollars)		
Screening technician hourly wage	USD 1.04	Ministério de Economia e Finanças, Mozambique. Decreto nº25/2018
Screening technician total time	20 minutes	Ministério de Economia e Finanças, Mozambique. Decreto nº25/2018
Therapist hourly wage	USD 2.57	Ministério de Economia e Finanças, Mozambique. Decreto nº25/2018
Monthly therapy time	4 hours	Ministério de Economia e Finanças, Mozambique. Decreto nº25/2018
Expected number of patients to	30,000 in 5 years	Target population (based on

screen		yearly onset)
Screening hardware	USD 7,600.00	Webpage (Amazon, 2018)
Internet connection (monthly)	USD 571.33	Vodacom Moçambique (https://vm.co.mz/)
Electricity costs (monthly)	USD 2.14	Electricidade de Moçambique (https://www.edm.co.mz/)
Therapy personnel training	USD 6,947.70	Ministério de Economia e Finanças, Mozambique. Decreto nº25/2018
Screening personnel training	USD 357.08	Ministério de Economia e Finanças, Mozambique. Decreto nº25/2018
Trainer cost	USD 4,056.68	Assumption
Willingness-to-pay (three times GDP per capita)	USD 1,247.154	(World Bank, 2018)
Annual discounting rate	3%	Assumption

CHR = clinical high risk.
DM is an author and psychiatrist employed by the Mozambique Ministry of Health.

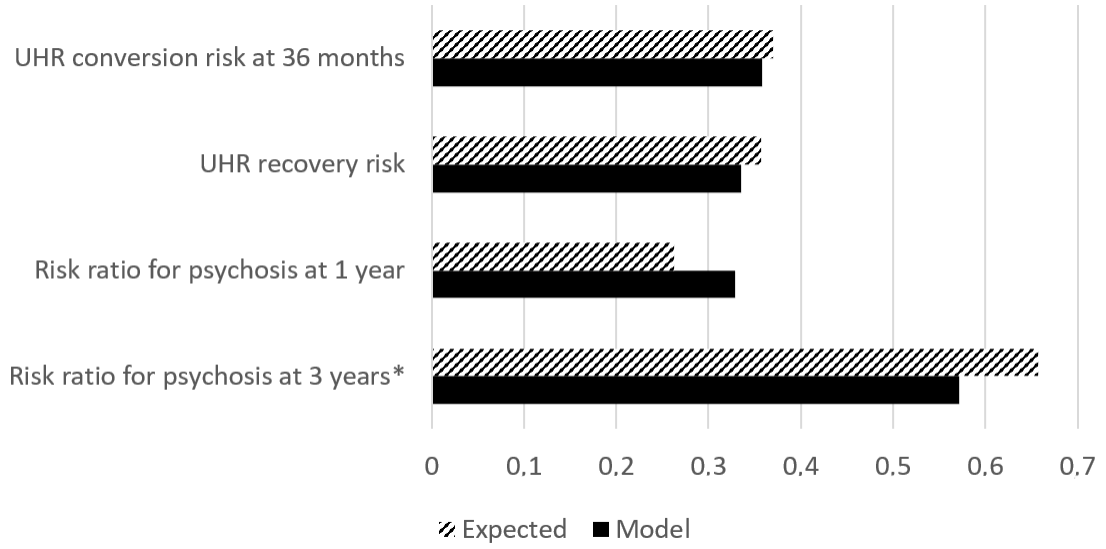


Figure S1 Calibration and validation marks for the model