

Supplementary B. Observed and simulated hospitals locations and travel time to the nearest hospital (in minutes)

		All hospitals				Public hospitals only			
		Time _{all}	Equity gap	Time _{poor}	Time _{rich}	Time _{all}	Equity gap	Time _{poor}	Time _{rich}
Kenya	Observed	43.6	119.4	130.2	10.8	43.9	118.8	130.2	11.4
	Most efficient (min time _{all})	42.7	104.4	115.3	10.9	43.2	110.5	122.0	11.5
	Most equitable (min(abs(equity gap)))	(n=480) 72.1	25.1	103.7	78.6	(n=390) 79.5	24.0	108.7	84.7
	Pro-poor (min(time _{poor}))	70.2	26.5	101.0	74.5	69.0	68.0	106.2	38.3
	Pro-rich (min(time _{rich}))	44.6	123.4	133.9	10.5	44.6	123.7	134.8	11.1
Malawi	Observed	37.7	41.4	53.3	11.8	44.0	52.3	66.3	13.9
	Most efficient (min time _{all})	36.1	32.7	44.6	11.9	42.5	37.9	51.9	13.9
	Most equitable (min(abs(equity gap)))	(n=115) 49.0	<0.1	39.1	39.0	(n=50) 70.4	<0.1	56.5	56.5
	Pro-poor (min(time _{poor}))	52.9	-3.8	37.8	41.6	63.1	3.8	45.5	41.7
	Pro-rich (min(time _{rich}))	38.5	41.5	53.0	11.5	45.5	49.7	62.4	12.8
Nigeria	Observed	46.0	45.5	58.9	13.4	48.3	44.7	60.1	15.5
	Most efficient (min time _{all})	40.1	37.5	50.0	12.5	47.5	50.6	61.7	11.1
	Most equitable (min(abs(equity gap)))	(n=3787) 47.7	1.2	46.7	45.5	(n=1244) 63.6	0.1	60.2	60.1
	Pro-poor (min(time _{poor}))	46.0	32.0	45.8	13.9	61.8	26.5	58.9	32.4
	Pro-rich (min(time _{rich}))	45.1	49.9	59.0	9.1	49.3	52.1	63.1	10.9
Tanzania	Observed	78.9	167.4	180.1	12.7	92.3	183.6	198.4	14.8
	Most efficient (min time _{all})	78.2	161.9	175.2	13.3	90.6	186.1	201.5	15.3
	Most equitable (min(abs(equity gap)))	(n=256) 138.1	<0.1	168.7	168.8	(n=119) 168.7	0.1	198.2	198.1
	Pro-poor (min(time _{poor}))	129.5	55.7	150.2	94.5	168.1	96.8	183.8	87.0
	Pro-rich (min(time _{rich}))	83.3	174.1	186.3	12.1	96.9	188.0	201.4	13.4