

**Additional file 5: Table S3.** Results of single-variable negative-binomial regression models for OD and OT waiting times.

Factor		Number (%)	Onset-to-diagnosis		Onset-to-treatment	
			Rate ratio (95% CI)	P-value	Rate ratio (95% CI)	P-value
Age	Each 1-year increase	5375 (100)	1.004 (1.003-1.005)	<10 <sup>-4</sup>	1.005 (1.004-1.006)	<10 <sup>-4</sup>
Sex	Male	3161 (58.77)	-	-	-	-
	Female	2218 (41.23)	1.02 (0.97-1.06)	0.76	1.02 (0.98-1.07)	0.291
District	Saharsa	1447 (26.90)	1.54 (1.42-1.67)	<10 <sup>-4</sup>	1.54 (1.42-1.66)	<10 <sup>-4</sup>
	E. Champ	1214 (22.57)	2.20 (2.02-2.39)	<10 <sup>-4</sup>	2.33 (2.15-2.52)	<10 <sup>-4</sup>
	Samastipur	862 (16.03)	1.66 (1.52-1.81)	<10 <sup>-4</sup>	1.68 (1.55-1.84)	<10 <sup>-4</sup>
	Gopalganj	666 (12.38)	2.00 (1.83-2.20)	<10 <sup>-4</sup>	2.09 (1.92-2.29)	<10 <sup>-4</sup>
	Begusarai	459 (8.53)	-	-	-	-
	Khagaria	344 (6.40)	1.86 (1.67-2.07)	<10 <sup>-4</sup>	1.61 (1.45-1.80)	<10 <sup>-4</sup>
	Patna	259 (4.82)	2.17 (1.93-2.44)	<10 <sup>-4</sup>	2.03 (1.81-2.28)	<10 <sup>-4</sup>
	W. Champ	128 (2.38)	3.23 (2.76-3.77)	<10 <sup>-4</sup>	2.86 (2.45-3.35)	<10 <sup>-4</sup>
House type	Kachcha	3619 (67.29)	-	-	-	-
	Semi-pucca	1223 (22.74)	1.03 (0.98-1.08)	0.317	1.04 (0.99-1.10)	0.097
	Pucca	536 (9.97)	1.03 (0.96-1.11)	0.453	1.04 (0.96-1.11)	0.338
Walls	Grass+straw	2357 (46.03)	-	-	-	-
	Mud	637 (12.44)	0.89 (0.83-0.95)	0.001	0.88 (0.82-0.94)	<10 <sup>-4</sup>
	Mud+stone	1017 (19.86)	1.06 (1.00-1.12)	0.055	1.06 (1.01-1.12)	0.033
	Concrete	1110 (21.68)	0.99 (0.94-1.05)	0.700	0.99 (0.94-1.05)	0.771
Roofing	Thatch	2539 (49.58)	-	-	-	-
	Concrete	941 (18.38)	1.02 (0.96-1.08)	0.601	1.03 (0.97-1.09)	0.312
	Earth tile	1111 (21.69)	0.95 (0.90-1.01)	0.087	0.97 (0.92-1.03)	0.308
	Asbestos	530 (10.35)	1.00 (0.93-1.08)	0.915	1.05 (0.97-1.12)	0.213
Floor	Mud	4842 (94.85)	-	-	-	-
	Concrete	263 (5.15)	1.01 (0.92-1.11)	0.847	1.01 (0.92-1.11)	0.860
Cattle owner	No	2107 (39.19)	-	-	-	-
	Yes	3269 (60.81)	1.06 (1.01-1.10)	0.014	1.04 (1.00-1.09)	0.072
Rooms	Each extra room	5100	1.04 (1.02-1.05)	<10 <sup>-4</sup>	1.05 (1.04-1.07)	<10 <sup>-4</sup>
	≤2	4068 (79.76)	-	-	-	-
	>2	1032 (20.24)	1.19 (1.13-1.25)	<10 <sup>-4</sup>	1.23 (1.17-1.30)	<10 <sup>-4</sup>
Test cost	Paid	2168 (42.54)	-	-	-	-
	Free	2928 (57.46)	0.90 (0.86-0.94)	<10 <sup>-4</sup>	0.85 (0.82-0.89)	<10 <sup>-4</sup>
Treatment cost	Free	3828 (80.61)	-	-	-	-
	Paid	921 (19.39)	1.09 (1.03-1.15)	0.003	1.06 (1.00-1.12)	0.049
Diagnosis centre	Public	3242 (63.83)	-	-	-	-
	Private	1837 (36.17)	1.11 (1.06-1.16)	<10 <sup>-4</sup>	1.15 (1.10-1.20)	<10 <sup>-4</sup>
Treatment centre	Public	4277 (85.11)	-	-	-	-
	Private	748 (14.89)	1.04 (0.98-1.10)	0.225	0.98 (0.93-1.04)	0.550
Caste	Upper	1620 (30.48)	-	-	-	-
	Lower	3695 (69.52)	0.90 (0.86-0.95)	<10 <sup>-4</sup>	0.89 (0.85-0.93)	<10 <sup>-4</sup>
Pre-Diagnosis treatments	0	309 (5.75)	-	-	-	-
	1	2004 (37.27)	0.53 (0.47-0.59)	<10 <sup>-4</sup>	0.66 (0.55-0.80)	<10 <sup>-4</sup>
	2	1715 (31.90)	0.67 (0.60-0.75)	<10 <sup>-4</sup>	0.84 (0.69-1.02)	0.083
	3	853 (15.86)	0.93 (0.82-1.04)	0.202	1.14 (0.93-1.38)	0.207
	4	496 (9.22)	1.21 (1.07-1.37)	0.003	1.51 (1.23-1.84)	<10 <sup>-4</sup>
Same-district diagnosis	No	418 (8.49)	-	-	-	-
	Yes	4505 (91.51)	0.88 (0.81-0.95)	0.001	0.87 (0.80-0.94)	<10 <sup>-4</sup>
Same-block diagnosis	No	2073 (43.64)	-	-	-	-
	Yes	2677 (56.36)	0.85 (0.81-0.89)	<10 <sup>-4</sup>	0.82 (0.78-0.85)	<10 <sup>-4</sup>