

Table 4 Differences in knockdown times of urban and periurban populations of *Anopheles arabiensis* after exposure to the 4 knockdown insecticides in World Health Organization insecticide susceptibility tests

Insecticide/area	KDT50 (95% CI) (min)	Index	KRR	KDT9 (min)	<i>t</i> -test	<i>P</i> -value
<i>Deltamethrin 0.5%</i>						
Urban	15.1 (14.7-15.6)	100.0	1	28.6	2.71	0.002
Periurban	18.2 (16.5-20.0)	83.0	1.20	29.8		
<i>Lambda-cyhalothrin 0.05%</i>						
Urban	20.6 (19.1-22.2)	100.0	1	33.2	3.96	< 0.001
Periurban	24.3 (23.2-25.4)	84.8	1.18	37.9		
<i>Permethrin 0.75%</i>						
Urban	22.9 (21.6-24.3)	93.8	1.07	37.5	1.24	0.22
Periurban	21.7 (19.7-23.8)	100.0	1	41.7		
<i>DDT 4%</i>						
Urban	35.4 (33.4-37.5)	94.1	1.06	56.0	1.45	0.154
Periurban	33.4 (31.4-35.4)	100.0	1	60.1		

KDT50 = exposure time for 50% knockdown; *KDT90* = exposure time for 90% knockdown; *CI* = confidence interval; *index* = the comparative potency index calculated with reference to the lowest *KDT50* for the type of insecticide; *KRR* = knockdown resistance ratio calculated with reference to the lowest *KDT50* for the type of insecticide; *DDT* = dichloro-diphenyl-trichloroethane.