

Number of countries in Africa for which resistance mechanisms were detected in at least one population of *Anopheles spp.*[26][§].

Species or complex	Time period [^]	2000 and prior		2001 - 2003		2004 - 2006		2007 - 2009		2010 - 2012	
	Insecticide class	<i>D</i>	<i>ND</i>	<i>D</i>	<i>ND</i>	<i>D</i>	<i>ND</i>	<i>D</i>	<i>ND</i>	<i>D</i>	<i>ND</i>
<i>An. gambiae s.l.*</i>	Oxidases	2	0	1	0	6	0	8	1	3	1
	Esterases	2	1	1	0	4	1	5	2	4	0
	GSTs	3	1	1	0	6	0	5	7	3	1
	<i>kdr</i> (L1014S)	4	2	5	6	8	8	8	8	3	7
	<i>kdr</i> (L1014F)	0	1	10	4	16	3	16	5	9	4
	<i>Ace-IR</i>	1	0	0	0	3	2	3	7	3	1
<i>An. gambiae s.s.</i>	Oxidases	1	0	0	0	4	0	2	0	3	0
	Esterases	1	0	0	0	1	1	2	0	3	0
	GSTs	1	1	0	0	3	0	2	0	2	1
	<i>kdr</i> (L1014S)	3	2	5	6	6	6	8	4	1	6
	<i>kdr</i> (L1014F)	4	1	10	3	12	2	14	3	8	2
	<i>Ace-IR</i>	0	0	0	0	3	0	3	3	3	1
<i>An. arabiensis</i>	Oxidases	1	0	1	0	3	0	3	1	0	2
	Esterases	1	0	1	0	1	0	2	2	0	2
	GSTs	1	0	1	0	3	0	1	1	0	2
	<i>kdr</i> (L1014S)	0	0	2	0	3	4	2	7	2	3
	<i>kdr</i> (L1014F)	0	1	1	4	6	4	4	5	4	3
	<i>Ace-IR</i>	0	0	0	0	0	3	1	4	0	1
<i>An. funestus s.l.*</i>	Oxidases	1	0	1	0	2	0	4	0	0	0
	Esterases	1	0	1	0	2	0	3	1	0	0
	GSTs	1	0	1	0	2	0	4	0	0	0
	<i>kdr</i> (L1014S)	0	0	0	0	0	0	0	3	0	1
	<i>kdr</i> (L1014F)	0	0	0	0	0	1	0	3	0	1
	<i>Ace-IR</i>	0	0	0	0	0	0	0	3	0	0

[§] Data sources and extraction, compilation and verification processes are outlined in Methods section

[#] Includes all species within the complex plus non-differentiated species

[^] Refers to year of commencement of field collections

D = number of countries for which the specified mechanism was detected in at least one population of the species/complex [26]. For target site mechanisms this refers to detection of the specified alleles; for metabolic mechanisms this refers to field populations exhibiting significantly higher enzyme activity and/or gene expression levels than that of the reference susceptible strain (using biochemical assays and/or detox chip microarrays).

ND = number of countries for which the specified mechanism was tested for but was not detected [26]