



KEY GOV Government: Policy and legislation, organisational changes to Ministry of Health/ National Malaria Control Programme, strategic plans and investments, major contextual factors

and larval control, insecticide trials

A history of malaria control in Nigeria

	1960		1970	1980 1990	2000			7 2008	2009		2010	2011	2012	2013	2014	2015	2016	2017
	Malaria and Vector Control established within the Medical	ki Project begins - epidemiology study IRS and mass drug ration by Nigerian ent and WHO District, Nigeria	1975: National Malaria Control Committee (NMCC) established and includes members from Federal and State MoHs, universities and other sectors NMCC produces Third National Development Plan (1975–1980) with the key objective by mandate to reduce malaria burden by 25%	1986: National Malaria and Vector Control Division established as part of the Dept. of Primary Health Care and Disease Control1987: National Malaria Therapy Surveillance1989: Federal MoH prepares national government adopts Bamako adopts Bamako guidelines on antimalarial drugs, particularly CQ against P. falciparum1987: National Malaria Therapy Surveillance		Nigeria hosts Roll Back Malaria (RBM) summit. Abuja Declaration established and 44 African countries pledge to halve malaria mortality in Africa by 2010 National Malaria Control Strategy 2001-5 launched	SP included in national essential list of medicines as an over-the- counter medicine	Rapid Scale-Up for Impact (SUFI) launched as part of the strategic plan 'A road map for malaria control' 2009-2013	National Malaria Control Strategy (2009–2013) launched	National Strategic Plan (2009-13) aims by 2010 for 80% LLIN ownership and use, and to reduce malaria-related morbidity and mortality by 50%.	Four-year Advocacy, Community and Social Mobilisation plan is introduced to encourage reporting and dissemination on malaria National Antimalaria Treatment Policy developed	NMCP, with Global Fund, launch Phase 1 of the Affordable Medicines Facility-malaria (AMFm) programme, allowing for affordable purchase of first-line drugs (ACTs). 57,261,301 doses administered from July 2010 to December 2011	Malaria Programm Review conducted examining 10 year of malaria control	me NMCP changed to National Malaria rs Elimination Programme (NMEP)	 National Malaria Control Strategy 2014-2020 launched All intervention strategy polices harmonised into one national malaria policy 			
1959: Eastern Regional Medical Headquarters carries out Malaria Contro Pilot Project comparing larviciding and chemotherapeutic agents in area of 45,000 people in Enugu Ezike IRS trials in Victoria and Lagos using BHC-dieldrin with DDT (March to December) show nearly 40% decrease in parasite rates in children aged 0-7 years	ITesting Unit1966: Village-scaleResearch Unitedestablished totrial sprays 331800 homes neaevaluate newhomes withVillage-scale IRinsecticides toortho-isopropoxphenyltrimethacarb ofsubstitute DDT,methylcarbamate inNorthern Nigeria	RS trial with 120 homes in ia found to be against <i>An. gambiae</i>	1972: MoH, East-central state establishes a malaria/mosquito control unit at Calabar		12 million ITNs distributed, with half distributed through the private sector			in three local government areas (LGAs) in seven states, aiming	NMCP, with RBM partners, launches nationwide distribution of 64 million long-lasting insecticide-treated nets (LLINs) (Phase 1) and improves distribution of ACTs in all health facilities; LLIN distribution towards achieving universal coverage continues until 2012	NMCP scales up	NMCP incorporates larval source management as a component of Integrated Vector Management (IVM)	IRS provided to 63,000 households in 13 states through Government of Nigeria (World Bank Booster Project and President's Malaria Initiative)			Dor 160 140	nor contributions	for malaria 2	2013-2015
							Artemisinin combination therapy (ACTs) adoptedAvailabil AcTs inc following DTET findingsfollowing DTET findingswith nea of resistance to CQ andof resistance to CQ and270 million ACT dose as first-line drugs in the treatment of malaria in all age groups	reased, rly on	NMCP changes severe malaria treatment policy from quinine to artesunate	DTET study finds 98% parasitological cure rate for artemether-lumefantrin (AL) and ART-amodiaqu verifying suitability for first-line therapy for uncomplicated malaria				Integrated community case management (iCCM) launched by Malaria Consortium and Society for Family Health through the Rapid Access Expansion Programme (RaCE) in Niger and Abia	Support 120 100 80 60 40 20			
1959: Pilot conducted in Ogogoro using monthly daraclor, shows reduction in CPR of 18.5% to 7.4% in adults	1961: Ministries of Health and Education of Eastern Nigeria, with Wellcome Foundation, promote antimalarial campaign based on pyrimethamine distribution among 75,000 children in 137 primary schools in Enugu		1970: MoH, North-eastern state begins malaria control in Maiduguri, involving distribution of CQ tablets by volunteers			Nigeria institutes intermittent preventative treatment (IPTp) for women in the second and third trimesters of pregnancy	National Antimalarial Treatment Policy released, stating that women should receive at least two doses of SP during pregnancy							Seasonal malaria chemoprevention (SMC) targeted to children aged 3 months to 5 years started in 2013 with two LGAs in Katsina state then expanded to nine northern states	0 Glob Fun	d Bank USA 2013		
n ;e	1966: Study of wild-caught <i>A. aegypti, A. gambiae</i> and <i>C. fatigans</i> in Southern Nigeria shows high resistance to dieldrin, but no resistance to DDT or malathion	obam in Jes of Nigeria od control	1972: WHO assesses <i>Plasmodium falciparum</i> for CQ resistance in Akowonjo village, no evidence found 1975: Field testing finds resistance to DDT and dieldrin near Lagos 1977: Fi docume to DDT and dieldrin near Lagos	Intedtests in Ibadanstudy in Ibadanresistancefor Disease Control(n = 85) confirmsProjectionICQindicate noconcludesobserved inand PreventionCQ resistanceinvestioninceresistance toP. falciparum inCalabar and Oban.reports CQ-resistantin Anambraefficationri,sulphadoxine-the locality isParasitologicalP. falciparum innon-immunefor Disease Controlfor Disease Controlobserved inobserved inand Preventionand Preventionfor Disease Controlfor Disease Controlfor Disease Controlrinsulphadoxine-primethaminefalciparum infor Disease Controlfor Disease Controlfor Disease Controlrinsulphadoxine-falciparum infor Disease Controlfor Disease Controlfor Disease Controlfor Disease Controlrinsulphadoxine-falciparum infor Disease Controlfor Disease Controlfor Disease Controlfor Disease Controlrinsulphadoxine-falciparum infor Disease Controlfor Disease Controlfor Disease Controlfor Disease Controlrinsulphadoxine-the locality isfalure after dayfor Disease Controlfor Disease Controlfor Disease Controlrinsulphadoxine-the locality isfailure after dayfor Disease Controlfor Disease Controlfor Disease Controlrinsulphadoxine-sulphadoxine-for Disease Controlfor Disease Controlfor Disease Control <td>2: Nsukka ject estigates cacy of methrin on ecticide-treated nets (ITNs)</td> <td>Drug Therapeutic Efficacy Tests (DTETs) find high CQ treatment failure (39%) and low therapeutic efficiency for SP (57%), especially in South- south and South-east First case of pyrethroid resistance in <i>An. gambiae</i> identified in south-west Nigeria</td> <td><i>Ex vivo</i> tests show <i>An. gambiae</i> resistance to permethrin in Zaria</td> <td></td> <td></td> <td></td> <td>High levels of DDT resistance observed in <i>An. arabiensis</i> and <i>An. gambiae</i> in Oyo, Lagos and Niger</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Development a launch of natio Insecticide Res Monitoring (IR</td>	2: Nsukka ject estigates cacy of methrin on ecticide-treated nets (ITNs)	Drug Therapeutic Efficacy Tests (DTETs) find high CQ treatment failure (39%) and low therapeutic efficiency for SP (57%), especially in South- south and South-east First case of pyrethroid resistance in <i>An. gambiae</i> identified in south-west Nigeria	<i>Ex vivo</i> tests show <i>An. gambiae</i> resistance to permethrin in Zaria				High levels of DDT resistance observed in <i>An. arabiensis</i> and <i>An. gambiae</i> in Oyo, Lagos and Niger							Development a launch of natio Insecticide Res Monitoring (IR
	1965: WHO implements malaria pre-eradication programme in Western Nigeria which includes development of a peripheral malaria laboratory in Ishara			The The	1995: First Multiple Indicator Cluster Survey (MICS) conducted1999: Second Demographic and Health Survey (DHS) conductedSurvey (MICS) conductedSecond MICS conducted	Third DHS con	ducted Third MI conducte	CS Fourth DHS ed conducted			First Malaria Indicator Survey MIS) conducted	Tracking Resistance to Artemisinin (TrAC) study (2010-2) in Ilorin shows sensitivities of artemisinin compounds Fourth MICS conducted		DTET monitors efficacy of dihydroartemisinin- piperaquine and the two other deployed antimalarials at eight sentinel sites Fifth DHS conducted		Second MIS conduct	ed Fifth MICS con	าducted

VC Vector control: Long-lasting insecticidal nets, Indoor Residual Spraying, environmental

Case management: First-line drug treatment, diagnostics, antimalarials and pharmacovigilance Chemoprevention: Prophylaxis, drug trials

SME

Resistance: Instances of insecticide and drug resistance

Surveillance, monitoring and evaluation: Surveys, strategy reviews and operational research







