

## 5 years National Plan for Cholera Preparedness, Prevention and Control for 2014 to 2019

PHASE 1: PREVENTION									
1.1. Objective Protect population at risk before the onset of the outbreak									
1.1.1. Strategy: Enhance water supply quality and quantity in high risk areas									
Activities	Priority	Monitoring actor	Implementing actor	Execution period 2014	Indicator	Budget in Naira 2015	Budget in USD	Donor	
								State	Partners
Share information among stakeholders in high risk areas that need intervention	1	All stakeholders including red cross and WASH emergency group	All stakeholders including red cross and WASH emergency group	throughout the year	Availability of information among partners	Nil			
Increase urban water quality in high risk settlements (urban area)	1	FMWR	FMWR	throughout the year	coliform count and index and residual chlorine	30,000,000			
Increase urban water supply quantity and quality in high risk settlements (urban area)	1				coliform count and index and residual chlorine	40,000,000			
Increase level of Free Residual Chlorine in water supply network	1	FMOH	FMWR	throughout the year	residual chlorine	25,000,000			
1.1.2. Strategy: Mobilise and inform community leaders and health personnel									
Activities	Priority	Monitoring actor	Implementing actor	Execution period 2014	Indicator	Budget in Naira	Budget in USD	Donor	
								State	Partners
Advocacy to all 36 states and FCT two times a year for WASH activities	1	All stakeholders including red cross and WASH emergency group	All stakeholders including red cross and WASH emergency group	APRIL and SEPTEMBER	the numbers of advocacy conducted in a year	55,500,000			
Development and dissemination of messages and materials especially on Radio	2	FMWR AND FMOH	FMOH, FMWR, FMOEnv., FMOAgric, FMOEdu and others	throughout the year	NUMBER OF MESSAGES DEVELOPED AND DISSEMINATED IN A YEAR	40,000,000			
1.2. Objective: Integrate cholera risk and vulnerability into sustainable Urban and rural program									
1.2.1. Strategy: Understanding the context: Identification of epidemiological, WASH, soci-environmental and health risk factors									
Activities	Priority	Monitoring actor	Implementing actor	Execution period 2014	Indicator	Budget in Naira	Budget in USD	Donor	
								State	Partners
Identification of cholera prone cities and LGA based on previous outbreak analysis	1	FMOH	FMOH	throughout the year	the numbers of cities and LGAs identified	-			
Identification of high risk prone settlements in urban setting	1	FMOH	FMOH	throughout the year	the numbers of high risk prone settlement identified	-			
Identification of population and practices at risk	2	FMOH	FMOH	throughout the year	Document showing populations at risk and practices.	-			
Perform a WASH and Epidemiology study to assess socio-environmental, Epidemiological, WASH and health aspects	3	FMOH	FMOH and FMOEnv.	throughout the year	number of studies conducted in a year	45,000,000			

1.2.2. Strategy: Implement an urban WASH program								-	
Activities	Priority	Monitoring actor	Implementing actor	Execution period 2014	Indicator	Budget in Naira	Budget in USD	Donor	
								State	Partners
Perform a study on water network leakages and cross-sectional valves (to be changed or added) in high risk settlements	1	FMWR	FMWR	throughout the year	to be given by FMWR	25,000,000			
Repair of pipes leakages and change of cross-sectional valves in high risk prone settlement	1	FMWR	FMWR	throughout the year	to be given by FMWR	30,000,000			
Check water supply and sanitation facilities standard by a panel of governmental organisation and partners in the high risk settlement	2	FMWR	FMWR and FMEnvir	throughout the year	number of checks conducted on water supply standard and number of checks conducted on sanitation facilities standard	37,000,000			
Extend water supply network in high risk settlement	1	FMWR	FMWR	throughout the year		30,000,000			
Assessment of Teaching of Hygiene promotion in Schools	3	FMEdu	FMEdu, Red Cross, FMOH, FMWR and FMEnvir.	throughout the year	proportion of schools teaching Hygiene promotion (2 states per Zone and 10 schools per State - 5 each of private and public schools)	15,000,000			
<b>1</b>								<b>-</b>	
Activities	Priority	Monitoring actor	Implementing actor	Execution period 2014	Indicator	Budget in Naira	Budget in USD	Donor	
								State	Partners
Rehabilitate and meet standard in water supply and sanitation facilities	2	FMWR	FMWR and FMEnvir.	throughout the year	number of water supply facilities rehabilitated and number of sanitation facilities rehabilitated	200,000,000			
Zonal Training on Teaching of Hygiene promotion in Schools	1	FMWR	FMWR and FMEnvir.	throughout the year		15,000,000			
Promote CLTS/sanitation marketing program in high risk LGAs and schools	1	FMWR	NTGS	throughout the year	number of CLTS/Sanitation programmes promoted in high risk LGAs/schools	150,000,000			
Improve water supply access in high risk LGA and villages	1	FMWR	FMWR	throughout the year	the proportion of high risk LGAs with improved access to water supply	20,000,000			
Distribution of soap and water guard at household level	3	FMEnvir./FMWR	Red Cross, FMWR, FMEnvir.	throughout the year	number of households supplied in a year	30,000,000			
<b>1.2.4. Strategy: Set up a water quality control mechanism</b>								<b>-</b>	
Activities	Priority	Monitoring actor	Implementing actor	Execution period 2014	Indicator	Budget in Naira	Budget in USD	Donor	
								State	Partners

Strengthening of mechanism for regular water quality test	2	FMWR	FMWR	throughout the year	minutes of meetings and report of water quality tests	30,000,000			
Physico-chemical and bacteriological analysis of water supplies and prepare risk mapping	1	FMWR and FMEnvir.	FMWR and FMEnvir.	throughout the year	number of test conducted in a year and availability of risk map	100,000,000			
<b>1.3. Objective: Implement national education strategy based on diarral disease</b>									
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Activities	Priority	Monitoring actor	Implementing actor	Execution period 2014	Indicator	Budget in Naira	Budget in USD	Donor	
								State	Partners
Hygiene Promotion in Schools e.g personal hygiene, food hygiene, water access and quality, toilet facilities etc.	1	FMEDu and FMEnvir	FMEnvir. and FMEDu	throughout the year	number of Hygiene Promotion activities conducted	30,000,000			
Development of IEC Materials for Schools	2	FMEDu	FMEDu	throughout the year		50,000,000			
<b>1.4. Objective: strengthen social cohesion and community leadership</b>									
<b>1.4.1 Strategy: Develop and implement local plan for cholera eradication</b>									
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Activities	Priority	Monitoring actor	Implementing actor	Execution period 2014	Indicator	Budget in Naira	Budget in USD	Donor	
								State	Partners
support the development State implementation plan for cholera case reduction based on community participatory and leadership approach	1	FMWR and FMOH	All stakeholders	July, 2014	number of states with plans and proportion of states implementing their plan	50,000,000			
Support the Implementation of the State plan for cholera reduction	1	FMWR and FMOH	All stakeholders	throughout the year	number of states with their plans implemented	55,500,000			
<b>1.5. Objective: Monitoring and evaluation</b>									
<b>1.5.1. Strategy: Develop and Implement a mechanism on monitoring and evaluation</b>									
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Activities	Priority	Monitoring actor	Implementing actor	Execution period 2014	Indicator	Budget in Naira	Budget in USD	Donor	
								State	Partners
Monitor water quality and quantity	1	FMWR and FMEnvir.	All the stakeholders	throughout the year	proportion of population with access to water quality and quantity	198,000,000			
Produce and distribute Sanitation guidelines	1	FMEnvir	All the stakeholders	throughout the year	proportion of population with access to water quality and quantity	15,000,000			
Monitoring of Food hygiene practices among food vendors	1	FMOH and FMEnvir.	All the stakeholders	throughout the year	proportion of food vendors practising food hygiene	18,500,000			
Measure impact of prevention activities on cholera and diarrhoeal disease.	1	FMOH	All the stakeholders	Twice a year	reduction of incident rates of cholera/diarrhoea diseases	55,000,000			

<b>Total cost in USD</b>			<b>1,191,500,000</b>	
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USD EXCHANGE RATE	655,957
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PHASE 2: PREPAREDNESS									
<b>1.1. Objective: Anticipate cholera outbreaks</b>									
<b>1.1.1. Strategic activity: Target areas and period at-risk of cholera based on previous outbreaks data analysis</b>								-	
Activities	Priority	Monitoring actor	Implementing actor	Execution period 2014	Indicator	Budget in Naira	Budget in USD	Donor	
								State	Partners
period of onset at State, LGAs, Ward and settlement levels	1	FMOH(NCDC)	FMOH	throughout the year	Availability of line list and reports on outbreak	8,000,000			
Gather information regarding transmission context and population affected during previous outbreaks	2	FMOH(NCDC)	FMOH,NOA	throughout the year	Availability of report	5,000,000			
<b>1.1.2. Strategic activity: Obtain weekly epidemiological update/data form neighboring countries, national and connected states</b>								-	
Activities	Priority	Monitoring actor	Implementing actor	Execution period 2014	Indicator	Budget in Naira	Budget in USD	Donor	
								State	Partners
organize meeting, obtain and share information between Nigeria, Chad Cameroun and Niger at federal, state and LGAs level	1	FMOH(NCDC)	FMOH	throughout the year	No of cross border meetings held and report availability	5,000,000			
Feedback from FMOH to SMOH	1	FMOH(NCDC)	FMOH	throughout the year	No of newsletters or publication available from Federal to State	20,000,000			
Sharing of information between states and LGAs	1	FMOH	FMOH,NPHCDA,BoS	throughout the year	No of information shared	-			
<b>1.2. Objective: Cholera coordination mechanism in place</b>									
<b>1.2.1. Strategic activity: Set up multisectorial cholera outbreak committees in states and prone LGAs</b>								-	
Activities	Priority	Monitoring actor	Implementing actor	Execution period 2014	Indicator	Budget in Naira	Budget in USD	Donor	
								State	Partners
Set up cholera outbreak multisectorial EPR committee at Federal level	1	FMOH	FMOH	throughout the year	No of meetings held	20,000,000			
<b>1.2.2. Strategy: Set up cross-border coordination mechanism in bordering Countries</b>								-	
Activities	Priority	Monitoring actor	Implementing actor	Execution period 2014	Indicator	Budget in Naira	Budget in USD	Donor	
								State	Partners
Establish a directory (name, phone, email) at bordering Countries	1	FMOH	FMOH,FMWR	throughout the year	Availability of list of Contacts from Neighbouring countries	-			
organise meeting for sharing information within bordering countries	2	FMOH	FMOH	throughout the year	Availability of minutes of meetings	5,000,000			
<b>1.3. Objective: Cholera National plan in place</b>									
<b>1.3.1. Strategy: Elaborate a Multisectorial Strategic Plan</b>								-	
Activities	Priority	Monitoring actor	Implementing actor	Execution period 2014	Indicator	Budget in Naira	Budget in USD	Donor	
								State	Partners
Finalize and disseminate National plan to partners	1	FMOH/FMWR	All stakeholders	throughout the year	Availability of final plan	10,000,000			
Develop Strategy for implementation of 2015 National plan at Federal level	2	FMOH/FMWR	All stakeholders	throughout the year	Availability of strategic document	-			
<b>1.2.3. Strategy: Mobilise funding for the plan</b>								-	
Activities	Priority	Monitoring actor	Implementing actor	Execution period	Indicator	Budget in Naira	Budget in USD	Donor	
								State	Partners

Activities	Priority	Monitoring actor	actor	2014	Indicator	Budget in Naira	USD	State	Partners
Identification of funding gaps and potential donors	1	All stakeholder	All stakeholders	April -May	availability of document detailing funding gaps	-			
Advocacy to finance funding gaps	1	All stakeholder	All stakeholders	May	No of advocacy visit ti bridge funding gaps	8,000,000			
<b>1.4. Objective: Reinforce epidemiological surveillance</b>									
<b>1.4.1. Strategy: Set up early warning mechanism through Strengthening immediate alert and notification at all levels</b>									
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Activities	Priority	Monitoring actor	Implementing actor	Execution period 2014	Indicator	Budget in Naira	Budget in USD	Donor	
								State	Partners
Define network and location for sentinel sites	2	FMOH	FMOH	throughout the year	List of sentinel sites	-			
Forecast and Procure medicines and Supplies (e.g IV fluids, RDT, Cary-blair etc)	1	FMOH	FMOH	March of each year	Availability of commodities	100,000,000			
Pre-position biological kits (e.g IV fluids, RDT, Cary-blair etc)	1	FMOH	FMOH	April -May	Availability of commodities at the State level	5,000,000			
Strengthen communication mechanism at all levels	1	FMOH	All stakeholders	throughout the year	Existence of functional network and means of reporting	37,000,000			
Cross border alert on suspected cases with neighboring Countries	1	FMOH	FMOH	throughout the year	No of Cross border alerts on suspected cases shared among neighbouring countries	-			
<b>1.4.2 Strategy: Set up outbreak investigation procedure</b>									
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Activities	Priority	Monitoring actor	Implementing actor	Execution period 2014	Indicator	Budget in Naira	Budget in USD	Donor	
								State	Partners
Set up and training multi-disciplinary team for outbreak investigation	1	FMOH	FMWR,FMOH,FM Env	April -May	Availability of trained Multisectoral RRTs	72,000,000			
Preposition Sample media and RDT and plan transport means to the laboratory	1	FMOH	FMWR,FMOH,FM Env	April -May	Availability of sample media, RDT etc and valid contract on transportation of samples	5,000,000			
<b>1.4.3 Strategy: Preparation for laboratory confirmation of cases</b>									
#REF!									
Activities	Priority	Monitoring actor	Implementing actor	Execution period 2014	Indicator	Budget in Naira	Budget in USD	Donor	
								State	Partners
Forecast and procure laboratory reagents and consumables	1	FMOH	FMOH,FMWR		availability of laoratory reagents	74,000,000			
Pre-position laboratory reagents and consumables	1	FMOH	FMOH,FMWR	April -May	Availability of reagents at Federal level	16,000,000			

1.5. Objective: Strengthen Capacities for case management and outbreak control									
1.5.1. Strategy: Creation of emergency stock at state and sentinel site level									
Activities	Priority	Monitoring actor	Implementing actor	Execution period 2014	Indicator	Budget in Naira	Budget in USD	Donor	
								State	Partners
Identification and procurement of chlorination and flocculation products available in the market	1	FMWR	FMWR	April -May	List of chlorination and flocculation products	40,000,000			
Pre-position medical kits, isolation kit and WASH items at state level	1	FMWR,FMOH	FMWR,FMOH,FM Env	April -May	Availability of medical kits, isolation kit and WASH items	5,000,000			
Pre-position medical kits, isolation kit and WASH items in sentinel sites	2	FMWR,FMOH	FMWR,FMOH,FM Env	NA	Availability of medical kits, isolation kit and WASH items at sentinel sites	5,000,000			
1.5.2. Strategy: Capacity reinforcement in state and sentinel sites for early and targeted response									
Activities	Priority	Monitoring actor	Implementing actor	Execution period 2014	Indicator	Budget in Naira	Budget in USD	Donor	
								State	Partners
Establish and train a pool of health personnel for case management	1	FMOH	FMOH	April -May	List of Trained staff	80,000,000			
Train multisectoral committees in case management and outbreak control at CTCs	1	FMOH	FMOH	April -May	No of multisectoral committee members trained	30,000,000			
Organise a response simulation exercise at federal level	2	FMOH	FMOH, FME, FMI,FMEnv	April -May	No of simulation exercise carried out	20,000,000			
1.5.3. Strategy: Preparation of agreed cholera awareness messages and tools									
Activities	Priority	Monitoring actor	Implementing actor	Execution period 2014	Indicator	Budget in Naira	Budget in USD	Donor	
								State	Partners
Adapt cholera messages and tools for public awareness	2	FMOH	FMOH,FMI, NOA, FMEnv and FME	April -May	No of information kits produced	2,000,000			
Produce Cholera jingles and print flipchart, handbills, pamphlets and posters	1	FMOH	FMOH,FMI, NOA, FMEnv and FME	April -May	No of jingles and print flipchart, handbills, pamphlets and posters	50,000,000			
Establish agreement with radio and drama group for information dissemination	2	FMOH	FMOH,FMI, NOA, FMEnv and FME	April -May	No of jingles aired	1,000,000			
Organize quiz, debate etc on cholera among senior secondary schools	1	FMEnv	FME, FMEnv, FMOH and FMI	Jan -June	No of competition (quiz or debate) carried out	20,000,000			
<b>Total cost in USD</b>						<b>N64300000</b>			

USD EXCHANGE RATE

655,957

RESPONSE									
<b>3.1. Objective: Ensure adequate coordination</b>									
<b>3.1.1. Strategy: Initiate and reinforce coordination mechanism</b>								-	
Activities	Priority	Monitoring actor	Implementing actor	Execution period 2014	Indicator	Budget in Naira	Budget in USD	Donor	
								State	Partners
Initiate a Communication for Development coordination mechanism	1	FMI and NOA	FMI, NOA, FMWR, NPHCDA, FME and	Year round	Existence of coordinating mechanism	2,000,000			
<b>3.1.2. Strategy: Initiate and reinforce cross-border collaboration</b>								-	
Activities	Priority	Monitoring actor	Implementing actor	Execution period 2014	Indicator	Budget in Naira	Budget in USD	Donor	
								State	Partners
Exchange of information and coordinated response between Countries	1	FMOH	FMOH, FMI, Foreign Affairs, OSFG	Year round	No of meetings held	10,000,000			
Organise cross-border meeting	1	FMOH	FMOH & OTHER STAKEHOLDERS	End May & End Nov.	No of meetings organized and implemented	-			
<b>3.2. Objective: Ensure adequate case management in CTCs/UTCs</b>									
<b>3.2.1. Strategy: Reinforce staff capacity and improve case registration</b>								-	
Activities	Priority	Monitoring actor	Implementing actor	Execution period 2014	Indicator	Budget in Naira	Budget in USD	Donor	
								State	Partners
Develop and distribute case management guidelines	1	FMOH	FMOH	Year round	Availability of case management guideline	40,000,000			
Supervise filling of management tools (external supervision to States)	2	FMOH	MOH, FMEnv, Red Cross	Year round	no of supervisory visit conducted	18,000,000			
<b>3.2.2. Strategy: Reinforce management of CTCs activities</b>								-	
Activities	Priority	Monitoring actor	Implementing actor	Execution period 2014	Indicator	Budget in Naira	Budget in USD	Donor	
								State	Partners
Establish guideline for CTCs	1	FMOH	FMOH	Sep-14	availability of guideline on CTCs	2,000,000			
Monitor Set up CTCs and UTC compliant with hygiene standards	1	FMOH	MOH, FMEnv, Red Cross, FMWR, NEMA	Year round	proportion of CTCs /UTC adherence to hygiene Standards	17,000,000			
Support Medications, medical and sanitary equipment and consumables regular supply and stock management	1	FMOH	FMEnv./FMWR	Year round	Availability of Support Medications, medical and sanitary equipment and consumables	50,000,000			



3.3. Objective: Reduce the spread of the disease									
3.3.1. Strategy: Understand the spread and the transmission of the disease according to investigations and case geolocation (times, places, people)									
Activities	Priority	Monitoring actor	Implementing actor	Execution period 2014	Indicator	Budget in Naira	Budget in USD	Donor	
								State	Partners
Conduct case investigations - Identify transmission contexts	1	FMOH	FMOH,FMWR, Red Cross	Year round	No of outbreaks investigated and controlled	30,000,000			
Get GPS coordinates of the patients homes to create cluster maps	1	FMOH	FMOH	Year round	Availability of cluster map	10,000,000			
Obtain line lists to calculate attack rates	2	FMOH	FMOH	Year round	Availability of line lists and population at risks	-			
Support Development of cluster and attack rates per area maps to guide the response	2	FMOH	FMOH	Year round	Availability of cluster map	-			
Field investigation on permanent clusters	1	FMOH	FMOH,FMWR	Year round	No of investigation carried out on identified clusters	30,000,000			
Identify diffusion nodes to guide the "shield" teams i.e. LGA and HFs	1	FMOH	FMOH	Year round	Availability of list of diffusion nodes	-			
3.3.2. Strategy: Guide the response based on identified transmission contexts (sword)									
Activities	Priority	Monitoring actor	Implementing actor	Execution period 2014	Indicator	Budget in Naira	Budget in USD	#REF!	
								State	Partners
Advocate for Activation/Reactivation of EPR Committee at State and LGAs levels	1	FMOH	FMOH,FMI, NOA, FMWR, FME and FME	Year round	No of advocacy visits conducted	30,000,000			
Support production of Mass IEC : radio-broadcasted message, theater group, "history of cholera movie", etc.	2	FMI and FMOH	All stakeholders	Year round	No of Mass IEC supported	35,000,000			
produce guidelines on disinfection and cholera infected homes and articles	2	FMWR	FMOH,FMEnv and FMWR	Oct-Nov 2014	Availability of guideline on disinfection and cholera	10,000,000			
Support distribution of IEC and hygiene kits in public places and among professional focus groups	2	FMI and NOA	NOA, FMI, FMOH and FMWR		No of group and professional bodies supported	5,000,000			
Produce and distribute guideline for chlorination of water supplies during outbreaks in permanent clusters	1	FMWR	FMWR/FMOH	Year round	Availability of guideline	20,000,000			
Produce guidelines on water trucking during epidemics	2	FMWR	FMWR/FMOH	Oct -Dec 2014	Availability of guidelines on water trucking during	5,000,000			
Produce guideline on water disinfectants at household level	2	FMWR	All stakeholders		Availability of guideline on water disinfectants at	5,000,000			
procure and preposition borehole repair kits	2	FMWR	FMWR	Year round	availability of borehole repair kits	20,000,000			
support State and LGAs on repairs of broken down boreholes dur	2	FMWR	FMWR	Year round	No of borehole repaired	255,000,000			
3.3.3. Strategy: Protect unaffected populations									
Activities	Priority	Monitoring actor	Implementing actor	Execution period 2014	Indicator	Budget in Naira	Budget in USD	#REF!	
								State	Partners
Support to the Water Supply Authority by supplying it with HTH (Chlorine Powder) to increase networks free chlorine level	1	FMWR	FMWR	Year round	No of State Water Agency / RUWASA supported	100,000,000			

3.4. Objective: Monitoring and evaluation									
3.4.1. Strategy: Implement activity to monitor and evaluate									
Activities	Priority	Monitoring actor	Implementing actor	Execution period 2014	Indicator	Budget in Naira	Budget in USD	Donor	
								State	Partners
Quarterly monitoring of activities implemented	1	FMOH	FMOH/FMWR/NOA/FMEnv	Year round	No of activities monitored	40,000,000			
Bi-annual supportive supervision to State	2	All stakeholders	All stakeholders	Year round	no of supervisory visit conducted	37,000,000			
Measure of impact of control activities on attack rate of cholera outbreak	1	FMOH	FMOH	Year round	Percentage reduction in attack rate	500,000			
Monthly surveillance Meeting	2	FMOH	FMOH	Year round	No of meetings held	1,200,000			
Organise review Meeting at the end of each outbreak	2	FMOH	FMOH/FMWR/NOA/FMEnv	Year round	No of review meetings held	20,000,000			
<b>Total cost in USD</b>						<b>792,700,000</b>			

USD EXCHANGE RATE 655,957



<b>ACTIVITIES</b>	<b>COST</b>
<b>Response</b>	<b>792,700,000</b>
<b>Preparedness</b>	<b>643000000</b>
<b>Prevention</b>	<b>1,191,500,000</b>
<b>Grand total</b>	<b>2,627,200,000</b>
