

## EPI Plan 2007

Expected results	Indicators	Baseline (2006)	Target 2007	Achieved 2007
<b>By the end of 2007, achieve and maintain DPT3 coverage rate of not less than 87% as a National Figure with 80% of localities achieving 80% or more.</b>				
<b>Access to quality immunization services was increased especially for hard to reach populations</b>				
<b>Improve implementation &amp; monitoring of micro-plans at all levels</b>				
Update the micro-plans of all localities	Q1 + Q5	FEPI + SEPI		
Establish a computerized monitoring system for follow up on implementation of the micro-plans.	Q2 – Q4	FEPI		
Conduct two review meetings per year with the state operations officers.	Q3- Q8	FEPI + SEPI		
Acknowledge and motivate operation officers and vaccinators for perfect performance.	Q1 – Q8	FEPI		
Conduct regular feed back & feed-forward updates.	Q1 –Q8	FEPI + SEPI		
<b>Expand the immunization network and re-establish immunization services for hard to reach and war affected areas.</b>				
Identify new sites and settings according to the priority list.	Q1 – Q8	FEPI + SEPI		
Install 227 solar (NAPS) and 40 ice lining refrigerators in the new sites in 136 localities.	Q1 – Q8	FEPI + SEPI		
Establish 2 – 4 out-reach posts for each new fixed site.	Q1- Q8	FEPI + SEPI		
Recruit 250 qualified vaccinators in 136 localities.	Q1- Q8	SEPI		

Ensure availability of adequate and regular supplies	Q1- Q8	FEPI		
<b>Conduct 3 to 4 pulse immunization campaigns per year in hard to reach &amp; newly accessible areas.</b>				
Identify the areas and targets.	Q1- Q8	FEPI + SEPI		
Develop micro-plans and nominate field coordinators.	Q1-Q8	FEPI + SEPI		
Ensure and avail budgets and adequate logistics	Q1-Q8	FEPI		
Implement and report coverage rates.	Q3-Q8	FEPI + SEPI		
<b>Demand to immunization services was created and dropout rates were reduced.</b>				
<b>Implement COMBI as a pilot project in two localities in 2006.</b>				
Identify the pilot localities according to utilization indicators	Q1-Q2	FEPI		
Conduct situation analysis for under-utilization.	Q1-Q2	FEPI + SEPI		
Identify focal points and task force.	Q1-Q2	FEPI + SEPI		
Implement the intervention plan	Q3	FEPI + SEPI		
Monitor and evaluate the intervention.	Q4	FEPI		
Draw lessons for the expansion phase in 2007.	Q5	FEPI + SEPI		
<b>Deliver essential social mobilization messages and increase awareness.</b>				
Assess the existing communication gaps in reaching all communities.	Q2+ Q5	FEPI + SEPI		
Develop and distribute guidelines/manual for routine social mobilization essential messages.	Q2+ Q6	FEPI+ UNICEF		
Consider communication and social mobilization to be an integral part of EPI micro-plans.	Q1-Q8	FEPI + SEPI		

Design, print and distribute social mobilization material for routine and SIAs	Q1-Q8	FEPI+ UNCEF		
Train and equip all vaccinators and other care providers to deliver the essential social mobilization messages for care takers.	Q1-Q8	FEPI+ SEPI		
Issue quarterly EPI Newsletter and ensure dissemination to all levels.	Q1 – Q8	FEPI		
<b>Establish and institutionalize communication and advocacy for immunization</b>				
Conduct 4 meetings for ICC per year	Q1- Q8	FEPI		
Establish EPI friends societies in all state	Q1- Q8	FEPI		
Conduct annual advocacy meeting with Sudanese Pediatricians Association "Child Forum".	Q3 + Q7	FEPI		
Celebrate and fix an Annual Immunization Day for advocacy and increasing public awareness	Q2 + Q6	FEPI		
<b>Continue implementation of defaulters tracing program in all localities</b>		FEPI		
Update, print and distribute defaulter tracing guidelines to all localities.	Q3 + Q6	FEPI		
Prepare monthly lists for defaulters in all health facilities and localities	Q1- Q8	FEPI		
Monitor and follow up on defaulter retrieving	Q1 – Q8	FEPI		
<b>Implement a pilot intervention to reduce missed opportunities for immunization in 32 localities ( Phase 1 of The Local Health System )</b>		FEPI		
Develop, print and distribute guidelines for reducing missed opportunities to the selected localities	Q2 + Q6	FEPI		
Analyze the situation, plan for the intervention and satisfied the needs of the selected localities	Q1 – Q8	FEPI		
Follow up on implementation of the guidelines	Q2 – Q8	FEPI		
Prepare monthly reports and feedback.	Q1 – Q8	FEPI		
Draw lessons for the expansion phase	Q4 – Q8	FEPI		

<b>Adequate supplies and logistics were maintained</b>				
<b>Procure adequate quantities of cold chain equipments and spare-parts</b>				
Procure 58 solar (Dallas) refrigerators for 29 localities.	Q2 - Q6	FEPI		
Procure 29 generators (15 KVA) for 29 localities.	Q1- Q8	FEPI		
Procure 1000 cold boxes.	Q1 + Q5	FEPI		
Procure 4000 vaccine carriers.	Q1 + Q5	FEPI		
Procure 1500 Dial thermometers		Q1 + Q5	FEPI	
<b>Procure 3000 freeze tags.</b>		Q1 + Q5	FEPI	
Prepare a list of required spare parts and consumables and procure it		Q1 + Q5	FEPI	
<b>Secure sufficient quantities of vaccines and injection safety equipments</b>				
Procure (21,695,500) AD syringes, (3,900,659) disposable syringes, (744,130) reconstitution syringes and (276,573) safety boxes	Q1- Q8	FEPI+ FMOF		
Procure 4,105,100 doses of measles vaccine, 5,319,080 doses of BCG vaccine, 12,315,300 doses of DTP vaccine, 7,050,400 doses of TT vaccine, 16,420,400 doses of OP vaccine	Q1- Q8	FEPI		
Ensure custom clearance for vaccines and injection safety equipments in proper time	Q1- Q8	FEPI		
<b>Ensure availability of adequate transport and communication means</b>				
Provide 30 cars, 216 motorcycles and 700 bicycles	Q1 – Q8	FEPI		
Provide 6 fax machines	Q1 – Q8	FEPI		
<b>Secure provision of updated and adequate registration and documentation materials at all levels</b>				
Update, all EPI documents to accommodate new vaccines and new issues	Q1 – Q8			
Print and distribute 2,413,639 child and 1,233,453 woman cards for all localities	Q1 + Q5	FEPI		
Print and distribute 422044 tally sheet for all localities	Q1 + Q5	FEPI		
Print and distribute 1855 child and women register for all localities	Q5	FEPI		
Print and distribute 6782 monthly reporting forms for all localities	Q1 + Q5	FEPI		
Print and distribute 159 vaccine registers for all states and localities.	Q1	FEPI		
Print and distribute weekly reporting books for surveillance reporting sites	Q1 + Q5	FEPI		

<b>Maintain 80% functionality or more of all EPI equipments</b>				
Replace 10 % of all cold chain equipment annually.	Q1- Q8	FEPI		
Respond to cold chain breakdown notification within a maximum of 10 days.	Q1- Q8	FEPI+ SEPI		
Conduct preventive maintenance once annually for each state	Q1- Q8	FEPI+ SEPI		
Establish regional work shops for cold chain fixation and maintenance in Alobeid, Juba and Kassala	Q2 + Q5	FEPI+ SEPI		
<b>WHO-UNICEF Primary Cold Store Accreditation Certificate was achieved.</b>				
<b>Attain prerequisites for primary cold store accreditation</b>				
Assign a team and prepare the primary cold store self assessment proposal	Q1	FEPI		
Implement the assessment.	Q1	FEPI		
Develop and execute a work plan for the recommendations	Q1	FEPI		
Prepare certification documents.	Q1 – Q4	FEPI		
Call for external certification team.	Q4	FEPI		
<b>Ensure existence and maintenance of adequate and ideal store keeping conditions</b>				
Computerize the stock inventories.	Q1	FEPI		
Ensure compliance to the national insurance policy for all stock.	Q1 – Q4	FEPI		
Conduct regular rehabilitation and maintenance of store buildings.	Q1 – Q4	FEPI		
<b>Program management and human resource capabilities were improved and strengthened at all levels.</b>				
<b>Secure availability of sufficient, adequately paid and qualified human resources at all levels</b>				
Recruit 3 National officers and 6 Zonal coordinators	Q1 + Q5	FEPI		
Assign and train 16 federal master trainers.	Q1	FEPI		
Conduct refresher training for 3871 vaccinators in all states	Q2- Q7	SEPI		
Conduct ongoing in-service MLM training for 143 state and locality operations officers	Q2 – Q8	FEPI		
Train 29 federal and state operations officers in vaccine management	Q1	FEPI		
Train 35 cold chain technicians at state and federal levels by an international	Q5	FMoH +		

expert.		SMoH		
Assign and train 25 state information focal persons in all states.	Q2	FEPI		
Train 27 federal staff (Computer skill and language)	Q6	FEPI		
Conduct post training evaluation.	Q4	FEPI		
<b>Ensure proper vaccine management at all levels</b>				
Finalize, print and distribute vaccine management manual/guidelines to all levels.	Q1 – Q2	FEPI		
Release regular reports on the status of vaccine management performance indicators at all levels.	Q1 – Q8	FEPI		
<b>Strengthen and improve governance tools and ensure proper use of data at all levels</b>				
Draft the National Immunization Policy	Q1 – Q4	FEPI		
Endorse the MYP (2006 – 2010)	Q2	FEPI		
Update the EPI Profile and data-base.	Q2 – Q5	FEPI		
Prepare print and distribute reference manuals/ guidelines in vaccine management, cold chain equipments maintenance and repair, AEFI, integrated EPI disease surveillance, supervision.	Q1 – Q4	FEPI		
Update, print and distribute manual/ guidelines of EPI data operations, micro-planning.	Q2 – Q4			
Conduct 2 operational researches per year.	Q1 – Q8	FMoH		
<b>Strengthen supportive supervision and transfer skills and competencies to lower levels</b>				
Conduct joint supervision visits with the state operation officers.	Q1 – Q8	FEPI+ SEPI		
Adopt DQS as supervisory tool at state and locality level.	Q1 – Q4	FEPI+ SEPI		
Attend, monitor and guide the state monthly meetings.	Q1 – Q8	FEPI+ SEPI		
Conduct two zonal evaluation meetings annually.	Q2 – Q8	FEPI+ SEPI		

<b>Continue and improve internal auditing process at Federal Level.</b>				
Develop a document for EPI standards at all levels	Q1 –Q2	FEPI		
Revise the existing internal auditing system	Q1	FEPI		
Prepare and use performance indicators	Q1 –Q8	FEPI		
Conduct regular internal auditing for federal EPI	Q1-Q8	FEPI		
<b>By the end of 2007, a system for immunization safety including AEFI surveillance has been established and acceptable levels of vaccine adverse events have been reached and maintained.</b>				
<b>The quality, safety and effectiveness of vaccines was ensured.</b>				
<b>Strengthen and resume the role of National Regularity Authority (NRA).</b>				
Revise and update the NRA member list	Q1 – Q4	FEPI		
Prepare the work plan	Q1 – Q2	FEPI		
Conduct two committee meetings annually	Q2 + Q6	FEPI		
<b>Exert effective control on vaccine distribution system.</b>				
Use electronic temperature monitors during vaccine transportation.	Q1 – Q8	FEPI		
Monitor continuously. vaccine batch distribution	Q1 – Q8	FEPI		
Ensure bundle distribution of vaccines and injection safety supplies.	Q1 – Q8	FEPI		
<b>Injection safety and waste management practices were improved.</b>				
<b>Expand the implementation of "Focus Project" in 14 states.</b>				
Design, print and distribute posters and brochures on injection safety practices.	Q1 + Q5	FEPI		
Ensure that immunization safety is a cross cutting subject in all EPI training activities	Q1 – Q8	FEPI		
Secure funds for construction of 14 incinerators in 14 states	Q1 - Q8	FEPI + SEPI		
Conduct regular monitoring of the progress in injection safety /waste management practices	Q1- Q8	FEPI		
<b>A functional AEFI monitoring system was established.</b>				

<b>Introduce reporting of AEFI surveillance.</b>				
Up-date AEFI surveillance introduction plan.	Q1+ Q5	FEPI		
Formulate a technical committee for AEFI investigation and response	Q2	FEPI		
Implement AEFI surveillance system in piloted areas	Q1 – Q2	FEPI		
Monitor and explore the possibility of expansion of AEFI surveillance	Q1 – Q8	FEPI		
<b>By the end of 2007, global, regional and national targets regarding polio eradication, measles and neonatal tetanus elimination have been achieved and met.</b>				
<b>Polio transmission had been interrupted and eradication achieved.</b>				
<b>Maintain high population immunity among children below five years.</b>				
Conduct 2 rounds of NIDs.	Q1	FEPI+ SEPI		
Boost routine immunization in large population settings (pls refer to activity 1.1.3).				
Conduct SNIDs in border and high risk areas	Q2	FEPI+ SEPI		
Conduct SIAs according to the AFP data.	AN			
<b>Organize cross-border coordination meetings.</b>				
Conduct inter-state cross border meeting once annually.	AN	FMoH + SMoH		
Participate in external cross border coordination meetings	Q1 – Q4	FMoH		
<b>Measles elimination target had been achieved.</b>				
<b>Conduct catch-up campaigns in the 10 southern states.</b>				
Review and update the micro-plans	Q2	FEPI		
Secure budget and vaccine needs	Q2 – Q3	FEPI+WHO+ UNICEF		3 M
Implement and monitor campaign	Q2 – Q3			
<b>MNT elimination (1:1000 LB) had been achieved in all localities</b>				
<b>Resume MNT elimination program</b>				
Up-date the national MNT elimination plan	Q3	FEPI +UNICEF		



Identify and assign 4 National MNT consultants	Q2	FEPI +UNICEF		
Update the high risk localities list	Q1	FEPI +UNICEF		
Revise the MNT elimination guidelines	Q1	FEPI		
<b>Conduct MNT elimination campaign in high risk localities</b>				
Revise and update the states micro-plans	Q3	FEPI +SEPI		
Secure the fund for MNT campaign	Q2	FEPI +UNICEF		
Implement and monitor 3 well spaced rounds of MNT campaign	Q3	FEPI +SEPI		
<b>Promote clean delivery practices in selected localities in collaboration with reproductive health directorate.</b>				
Coordinate refresher training for mid wives with reproductive health directorate	Q2 – Q8	FEPI +FRH		
<b>An integrated EPI disease surveillance system was established by expanding the existing AFP and measles surveillance systems.</b>				
<b>Update and strengthen the surveillance network</b>				
Update the EPI disease surveillance reporting sites	Q1	FEPI+ SEPI		
Prepare and implement plan for integrated EPI disease surveillance	Q3 – Q8	FEPI		
Conduct 50 technically supportive supervisory visits	Q1 – Q8	FEPI		
Establish community based integrated EPI disease surveillance system in high risk areas	Q4 – Q8	FEPI		
<b>Increase capacity of the laboratory to satisfy the need of the integrated surveillance system.</b>				
Expand the polio laboratory infrastructure to include a section for measles laboratory investigations	Q1	FEPI		

Revise the polio lab performance indicators to include measles lab performance indicators	Q2 – Q8	FEPI		
Recruit 1 lab. technician	Q1	FEPI		
Establish measles case based laboratory surveillance	Q1	FEPI		
<b>Develop an integrated system for early preparedness and epidemic response</b>				
Formulate federal and state technical outbreak response teams	Q1 – Q8	FEPI+ SEPI		
Revise and update the early preparedness and epidemic response plan to include all EPI diseases	Q4 – Q8	FEPI		
Conduct outbreak response training for all surveillance officers	Q1+ Q5	FEPI + SEPI		
<b>Maintain high performance indicators for the surveillance system</b>				
Revise and update the performance indicators for the surveillance system	Q1 – Q4	FEPI		
Conduct continuous monitoring of the surveillance indicators	Q1 – Q8	FEPI + SEPI		
<b>By the end of 2007, Hepatitis B and new vaccines have been fully introduced into the program.</b>				
<b>Hepatitis B vaccine was fully integrated and introduced in the program in all localities.</b>				
<b>Complete Hepatitis B introduction plan.</b>				
Conduct Pre-introduction assessment in the remaining states in two phases	Q1 – Q6	FEPI		
Update, print and distribute registration and social mobilization materials	Q1 –Q8	FEPI		
Conduct training sessions for the service providers in the selected states	Q1 –Q8	FEPI + SEPI		

Hold advocacy meetings for the new vaccine	Q1 – Q8	FEPI		
Conduct regular monitoring and supervision.	Q1- Q8	FEPI + SEPI		
<b>Conduct Hepatitis "B" post introduction evaluation</b>				
Prepare the Proposal	Q4	FEPI		
Assess the introduction of Hepatitis B vaccine	Q5 – Q8	FEPI		
Implement the recommendations	Q5 – Q8	FEPI		
<b>The need for new vaccines is determined and the funding source has been identified</b>				
<b>Assess the need for combined Hib vaccine introduction</b>				
Collect Data and revise to explore the need for the introduction of the new combined vaccine	Q1	FEPI + WHO		
Conduct meetings with concerned FMOH officers to decide on the introduction plan	Q3 – Q4	FEPI		
<b>Explore the possibilities of funding of Hib vaccine introduction and issues of sustainability.</b>				
Identify a funding source	Q4 – Q8	FEPI+ Donars		
Obtain the commitments of Government and donors to fund the new vaccine	Q4 – Q8	FEPI+ FMOH		
Prepare and submit the proposal	Q5 -Q8	FEPI		
<b>Assess the need for the introduction of yellow fever vaccine</b>				
Collect Data and revise to explore the need for the introduction of the new vaccine	Q4	FEPI		5,000
Conduct meetings with concerned FMOH officers to decide on the introduction plan	Q5	FEPI		
Implement the recommendations	Q5 – Q8	FEPI		
<b>Explore the possibilities of funding of Yellow Fever vaccine introduction and issues of sustainability.</b>				
Identify a funding source	Q5 – Q8	FEPI		

Obtain the commitments of Government and donors to fund the new vaccine	Q5 – Q8	FEPI		
Prepare and submit the proposal	Q5 – Q8	FEPI		
<b>By the end of 2007, vitamin "A" and bed net distribution as a part of immunization plus initiative have been fully integrated in EPI.</b>				
<b>Vitamin "A" was distributed to the target population within routine and supplementary immunization activities.</b>				
<b>Introduce vitamin "A" within routine EPI services</b>				
Develop a plan for introduction of vitamin "A" within routine EPI services	Q1	FEPI + Nut.		
Secure vitamin A supplies	Q1	FEPI + UNICEF		
Implement and monitor the introduction plan	Q2 –Q8	FEPI + SEPI		
<b>Provide vitamin "A" during SIAs to the target population .</b>				
Ensure availability of vitamin A supplies for SIAs	Q1	FEPI + SEPI		
Distribute vitamin "A" during SIAs	Q1	FEPI + SEPI		
<b>Impregnated bed nets (IBN) were distributed to children below five years and pregnant women within routine and supplementary immunization activities.</b>				
<b>Assist in distribution of IBNs to the target population using routine EPI channels</b>				
Develop in collaboration with Malaria Control Program a plan for provision of IBNs to the target populations	Q1	FEPI + Malria		
Ensure availability of IBNs for the target populations	Q1	FEPI + UNICEF		
Implement the plan of distribution in a pilot areas	Q2	FEPI + SEPI		
Monitor and evaluate impacts of combined intervention.	Q3 – Q4	FEPI		
Explore for expansion	Q5	FEPI		

<b>By the end of 2007, current program funding was sustained and developed, and financial gaps had been filled</b>				
<b>Program efficiency was achieved and sustained</b>				
<b>Decrease dependency on mobile teams.</b>				
Plan and monitor reduction of mobile activities.	Q1 + Q5	FEPI + SEPI		
Expand the fixed sites as scheduled.	Q1 – Q8	FEPI + SEPI		
<b>Reduce vaccines wastage rates</b>				
Identify, analyze and monitor vaccine wastage rates at different levels.	Q1-Q8	FEPI		
Decide and maintain acceptable levels of vaccine wastage Vs coverage targets.	Q1-Q8	FEPI		
<b>Government incremental share in the program cost was initiated.</b>				
<b>Ensure contribution of the government to vaccine and injection safety equipments cost.</b>				
Fix a budget line for injection safety equipment in the national fiscal budget document for 2006-2007.	Q1	FEPI+ FMOF		
Conduct follow up meetings with concerned financial departments in FMOH and FMOF.	Q2- Q8	FEPI+ FMOF		
Purchase injection safety equipments from reputable sources in collaboration with UNICEF.	Q1+ Q5	FEPI+ FMOF		
Contribute incremental annual share of 10% of the vaccine cost starting in 2007.	Q5	FEPI+ FMOF		
<b>New National and International donors were involved and mobilized</b>				
<b>Obtain interest and commitment of new partners.</b>				
Identify potential national and international donors.	Q3	FEPI		
Conduct national resource mobilization workshop.	Q4	FEPI+WHO+ UNICEF		

Prepare and submit proposals	Q4	FEPI		