

Semi-annual Progress Report

(Narrative report (4-6 pages) focusing on progress in project implementation, major achievements, assessment of achievement of project objective, obstacles encountered, solutions found/proposed and need for adjustment.)

Project title	Preventing Diabetes and Improving Treatment Provided to Diabetics in Bénin
Project number	WDF09-464
Reporting period	1 ^o semester 2011
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Date of submission	31 JULY 2011

1. Progress for the past 6 months vis-à-vis project implementation plan

(Where applicable, please include numerical information under the "comments" column, e.g. number of clinics established, number of people/patients reached, camps and education sessions held, awareness activities conducted etc. If an activity has not been accomplished as planned, please indicate reason. Add more rows if needed.)

	Activity as per milestone goals in PPA	Status (done/not done)	Results, Impact & Comments	
			6 months reporting period Quantitative & qualitative reporting	Accumulated quantitative results to date
Milestone 1	1. Equipment purchased	Done yes	From MicaDO From MicaDO15 Glycemic Readers* 4 computers* 3 Regulators YOUR* 3 Inverters* 2 USB keys* 3 Offices(Desks), 12 chairs* 1 cupboard* 1 DVD Reader* 1 Refrigerator (insulin)* Material minor surgery* Material asepsis* 2 growths-syringes* 50 electric syringesFrom CHDZOU / HILLS* Septation premises* 2 washbasins* Outside toilet* Signboards	From MicaDO15 Glycemic Readers* 4 computers* 3 Regulators YOUR* 3 Inverters* 2 USB keys* 3 Offices(Desks), 12 chairs* 1 cupboard* 1 DVD Reader* 1 Refrigerator (insulin)* Material minor surgery* Material asepsis* 2 growths-syringes* 50 electric syringesFrom CHDZOU / HILLS* Septation premises* 2 washbasins* Outside toilet* Signboards
	2. Educational material produced	yes	25 posters; 300 nutritional platelets(leaflets); 50 files5 DVD Animation Education	
	3. 2 specialised diabetes referral centres refurbished and operational	No	1: Reference service in diabetology of the Departmental Hospital of Zou Colines is created and operational in Bohicon-Abomey	• 2 ° service is planned in the CHD of Parakou, its implementation

4.	1,000 consultations conducted	No	680	
5.	600 new patients diagnosed with diabetes	No	200	
6.	Total training hours to 4 doctors, 12 nurses, 20 health care providers and 4 administrative staff undertaken: 150	yes	To : * 2 doctors * 22 nurses * 2 peer * 3 administrative staff 550 hours	
7.	10 sensibilisation sessions conducted targeting the general public	yes	* 6 Radio interviews * 4 Television * 1 Day for information and detection Journée Mondiale de la Santé le 7 avril	
8.	Other relevant activities	yes	Local bank account opened to the Diamond Bank in Bohicon* Purchases of drugs at very low prices in the Buying group of the Ministry of Health among which 144.000 units of metformine and 37.000 units of glibenclamide* Purchase of 10.000 clinistix and 10.000 strips accuchek; 2.000 albustix* Support to creation of the Association of the Beninese diabetics " chaired by Lambert AIDJI * Contextual analysis: visits2 in the center of Davougon (father Bernard): numerous diabetics in consultation made by the nurses favorable to a collaboration° 3 in the center of Zagnanando (sister Juia): numerous consultations and surgical activities for diabetics (amputation) ; no wished collaboration * Qualitative and comparative analysis of 150 new patients * Activities of screening in the peripheral health centers:2.7 % of	

Milestone 2	1. 800 consultations conducted, accumulated 1,800 consultations	YES	Conducted : 900 Accumulated: 1580	
	2. 20% of the patients (360 patients in total) treated for free	yes	38%	
	3. 600 new patients diagnosed with diabetes, accumulated 1,200 patients	No	350 Accumulated: 550	
	4. Total training hours to 4 doctors, 12 nurses, 20 health care providers and 4 administrative staff undertaken: 300	Yes	500 hours	
	5. 10 sensibilisation sessions conducted targeting the general public, accumulated 20 sessions	Yes	15 sensibilisation sessions and 3 areas for diabetes day (14 of November); accumulated 25	
	6. Supervisory visit conducted by MicaDO	Yes	2 missions by president and 2 missions by coordinator	
	7. Other relevant activities	Yes	<p>*The agreements with Ministry of health, Departmental Direction of Health of Borgou Alibori Province and Direction of Provincial Reference Hospital (Parakou) for implementation of the Diabetes Unity into the Hospital are signed We began the trainings for the responsible medical doctor and nurses The consultation of diabetic patients began in november but the rehabilitation of the premises intended for the Unity is not totally finished (the expenditures for this are in charge of the Hospital) * We buy the furnitures and equipment for the Unity;</p> <p>* In the CHD Zou Collines we gave the DCA 2000 , laboratory equipment for dosage of glycated hemoglobin and its reagents; we give electrocardiographie and vascular doppler We give also 1500 unities of antihypertensive drugs to test the efficacy and compare with drugs bought in Benin</p>	
Milestone 3	1. 1,200 consultations conducted, accumulated 3,000 consultations	YES	2100 consultations conducted accumulated 3300	1500 for Zou 600 for Parakou accumulated 3300
	2.	NO	520 new patients diagnosed with	Accumulated :

	800 new patients diagnosed with diabetes, accumulated 2,000 patients			
	3. Total training hours to 4 doctors, 12 nurses, 20 health care providers and 4 administrative staff undertaken: 450	YES	500	1000
	4. 10 sensibilisation sessions conducted targeting the general public, accumulated 30 sessions	YES	10 sensibilisation sessions Accumulated 35	6 days with screening camps : 1200 test ; 4% diagnosed with diabetes and 40% with high blood pressure
	5. 20 civil society members trained to spread awareness	YES	24 civil society members trained to spread awareness	
	6. Other relevant activities IMPACT: 80 % of the patients with diabetes are belongs to the economically active age group aged between 17 and 60 In developed countries the percentage of diabetic people amounts to 30 %	YES	*Several meetings with the professionals to finish the rehabilitation of the diabetes Unit of Parakou *Several meetings with the vice-chancellor and the dean of the faculty of medicine from Parakou University to set up the university diploma of diabetology at the end of the year *Agreement with the management of the CHD Zou specifying the terms to set up and arrange of the new diabetes unit *The diabetes DVD Animation, reproduced in French and Fon, the local dialect, is shown in the waiting rooms of every unit	The quality control of 3 antihypertensive molecules bought from the buying group of the Beninese Ministry of Health was made at the center of pharmaceutical -vigilance of Montpellier University ; it was found out that .2 molecules out of 3 i.e. captopril and furosemide contained 30% less than the given quantity which partially explained the 30 %, explaining partially the resistance to drugs
Milestone 4	1. 2,000 consultations conducted, accumulated 5,000 consultations			
	2. 20% of the patients (1000 patients in total) treated for free			
	3. 800 new patients diagnosed with diabetes, accumulated 2,800 patients			
	4. Total training hours to 4 doctors, 12 nurses, 20 health care providers and 4 administrative staff undertaken: 600			

	5. 10 sensibilisation sessions conducted targeting the general public, accumulated 40 sessions			
	6. Supervisory visit conducted by MicaDO, accumulated 2 visits			
	7. Other relevant activities			
Milestone 5	1. 1,500 consultations conducted, accumulated 6,500 consultations			
	2. 1,200 new patients diagnosed with diabetes, accumulated 4,000 patients			
	3. Total training hours to 4 doctors, 12 nurses, 20 health care providers and 4 administrative staff undertaken: 750			
	4. 10 sensibilisation sessions conducted targeting the general public, accumulated 50 sessions			
	5. Other relevant activities			
Milestone 6	1. 1,500 consultations conducted, accumulated 8,000 consultations			
	2. 20% of the patients (1600 patients in total) treated for free			
	3. 1,000 new patients diagnosed with diabetes, accumulated 5,000 patients			
	4. 10 sensibilisation sessions targeted at the general public conducted, accumulated 60 sessions			
	5. Total training hours to 4 doctors, 12 nurses, 20 health care providers and 4 administrative staff undertaken: 900			
	6. Supervisory visit and evaluation conducted by MicaDO, accumulated 3 visits			
	7. Other relevant activities			

2. Accumulated project results on specific WDF indicators

(WDF accumulates and communicates about the achievements of WDF funded projects. To assist us in these efforts, please insert quantitative numbers for your project where relevant. Some of the indicators may be overlapping with the project results above. We apologise for the inconvenience this may cause.)

Focus area	Specific WDF Indicators	Accumulated Number	Comments – if any
Improving care	Number of clinics established or strengthened	2	One in CHD Zou/Collines of Abomey- Bohicon cities and Second one in CHD Borgou/Alibori in Parakou city
	Number of patients treated through established clinics	1070	During the first consultations an immediate of the HbA1c rate is carried out and commented in the course of the consultation by the physician Another control is carried out within 4 or 5 months Each patient has a booklet they keep and which is updated after each consultation for a year
	Doctors trained	2	
	Nurses trained	17	
	Paramedics, educators and others trained – broadly understood	20	
Awareness and screening	Number of awareness camps (awareness only)	30	
	Number of screening camps (with or without awareness activities)	15	Some screening camps in Abomey and Bohicon markets
	Number of people reached through awareness & screening camps	14.000	awareness camps , and awareness campaigns on local TV and Radios
	Number of people screened for diabetes	9000	
	Number of people detected with diabetes	600	

NB.

Before entering comments below in item 3 to 10, please ensure to delete text from previous reporting period.

3. Project management's assessment of the past 6 months' project progress

(Include continued relevance of project objective(s) and design, appropriateness and sufficiency of planned activities to achieve objective(s) and present status in achieving the objective(s).)

At CHD Zou/Collines of Abomey and Bohicon the number of attended patients was correctly increasing, with about 220 consultations a month

At CHD Borgou/Alibori in Parakou the number of attended patients increased a lot from March once the rehabilitation of the Unit had been completed, Now they are about 150 Cs a month

Medical training hours were distributed by specialised French doctors from MicaDO:

* Better care and good practice for diabetic people: Dr.J.Dicquemare

* Various complications and their treatments: Dr.M.Mattout

* Nutrition knowledge and studies of local food: Dr.J.de la Tullaye

* Cardiology and vascular diseases: Dr.C.Thuan

* Hygiene and detection and prevention for nurses and paramedical workers: Y.Blavignac,

*The fundus exams are made in the ophthalmology unit of CHD hospital; The patients with proliferative retinopathy are referred to specialised departments in Lome Hospital (Togo) for photocoagulation laser; the cost is 60.000 Fcfa including the travel.

In Cotonou, the cost will amount to 30.000 Fcfa provided the laser works,

17% of the patients are with retinopathie, ten from them was proliferative and need laser treatment

* Quality control of the drugs was made in Montpellier University: Two out of the 3 tested molecules were found 30% less effective:

*The Diabetes Unit was achieved in Parakou in March, so the patients are very correctly examined and followed up.

The new Diabetes unit, partly financed by the Ministry of Health has been under construction in the CHD Zou/Collines since the beginning of June.

The inner arrangements, which are at our expense, will begin during August

4. Major achievements

The major achievements concern :

- * The agreements with the authorities
- * The medical and paramedical training
- *The awareness and information campaigns
- The quality control of the drugs
- * Rehabilitation,Furniture and equipments for the two Diabetes Units in two hospitals covering the center and northern provinces
- * 18 health centres around the cities of Abomey , Bohicon and Parakou take part to the activities of detection, awareness and information campaigns , they will refer the detected patients at the referencial Diabetes Unit of each CHD
- *The initially planned stock of consumables and drugs was supplied;allowing 20% of the patients to be treated for free ; The other 80% have to paid low price for their drugs and thus provide with funds . The recovered sums are credited in the dedicated bank account and can be used for later renewals, so that each Unit will be autofinancing in future
- *The qualitative studies carried out among more than 500 patients permit better knowledge of the diabetic people in the country : particularities of the disease, social and economic constraints , accessibility, food customs, drug response:

Among our 500 patients with diabetes we have found out the same distinctive features as in the INSERM study (Inserm UMRS 872, Centre de Recherche des Cordeliers,Siméon Pierre Choukem , Eugène Sobngwi, Jean-François Gautier,AP-HP, Service de Diabétologie et d'Endocrinologie, Hôpital Saint Louis,Paris, France) such as

- *The higher frequency acute complications ,connected to the socioeconomic precariousness
- *The high prevalence of the high blood pressure that can be attributed to the prevalence already known inside the general population.
- *The most important distinctive feature remains the diabetes of type 1B or ketotic type 2 diabetes, phenotype of diabetes having a clinical presentation similar to that of the type 1 diabetes in the discovery, but with a later evolution rather close to that of the type 2 diabetes and characterized in particular by a strong probability of remission prolonged without insulin: 16% of our patients suffer from this diabetes type 1 B

*IMPACT:

80 % of the patients with diabetes are in the economically active age group (24% before 40 old years, 57% between 40 and 60) all between 17 and 60 years old), In developed countries the economically active diabetic people are about 30 %.

This is very important for the economic improvement of the country because these people, when correctly treated remain without complication and can work

5. Constraints encountered to project implementation, if any

Most of the difficulties were resolved, but it was necessary to modify some budgetary posts without changing the total budget

6. Solutions found/proposed to constraints encountered, if any

We have to add a financial participation for the rehabilitation of the area "Diabetes Unit" in Parakou hospital. In accordance to our agreement, the Hospital direction should have been in charge of this cost , but it they weren't

The Ministry of Health financed only the big infrastructure of the Diabetes Unit in the CHD Zou, we have to provide for the inner facilities
We inform the authorities (The Ministry of the Health and the Directions) about the various problems and find the best strategy for the future

We meet the managers of the non profit sector to try and set up collaboration and make the most of each competence.

7. Need for adjustment, if any

(If project activities and plans should be adjusted, please state it here, including justification.)

Teaching) the diploma of diabetology at the university of Parakou should begin in October, 2011
We have subjected the contents and the planned training modules to the Vice-chancellor

8. Opportunities identified, if any

(State if new opportunities have arisen. Describe the opportunity(ies) including how it feeds into the present project. Include recommendation as to how it may be covered/included into the project.)

We have been requested to launch a program in Porto Novo, the administrative capital of the country

9. Implementation plan for the next 6 months

(List key activities planned for the next 6 months based on the project implementation plan and the Milestone targets set in the Project Partnership Agreement.)

The goals are

*A Continuous training for doctors, nurses and health staff

* To include more rural and suburban health centres in Abomey, Bohicon and Parakou ,so as to train the health personal for knowledge of diabetes, detection, awareness and prevention of risks

* To participate to other TV and Radio interviews with our Beninese trained collaegues

* To create medical libraries into the two referential hospitals

* to begin to train students so as to get the Diabetology Diabetes Diploma in Parakou and also to teach nutrition to students entering their medicine degree course

10. Other relevant aspects/details

(Include media coverage for the project, publications, key lessons learned, and other aspects deemed important by the project.)

This year many doctors and students was interested by our program and worked in our unities :

Dr Fidel Zinzou for a thesis about the psychological evolution of diabetic people ; He worked six months with our patients in Parakou hospital

* The students of Nutritional Research Institute in Cotonou : Numerous came to visit the Unity of the CHDZou/collines

WDF Secretariat comments to the report:

(Internal comments to be inserted upon review of report. Include necessary action, if any)