



DIRECTORATE OF HEALTH KUNENE
PROVINCIAL DEPARTMENT OF PUBLIC HEALTH AND CONTROL OF ENDEMIC
DISEASES

MALARIA CONTROL PROGRAM

MALARIA CONTROL DURING FLOOD - FLOOD (EMERGENCY) in Kunene Province-2009

WORKSHOP FOR PARTNERS , Luanda, 25 to 27 August,2009



CONTENT OF PRESENTATION

- **1. CONTEXT OF EMERGENCY**
- 2. MONITORING OF MALARIA
IMPLEMENTED (STRENGTHS)**
- 3. WEAKNESSES - CHALLENGES**

EMERGENCY CONTEXT



EMERGENCY CONTEXT

■ PERIOD OF FLOODS IN 2009: FEBRUARY TO MAY (PRECIPITATION REPORTED TILL 16/03/2009: 922.6 mm*)

■ **CONSEQUENCES- 1** *:

✓ 23,380 **FAMILIES** AFFECTED (AFFECTED) ARE ABOUT 139,351 **PEOPLE** AFFECTED THROUGHOUT THE PROVINCE WITH THIS DISTRIBUTION IN 5 CITIES :

#	MUNICIPALITY	FAMILIES AFFECTED	PEOPLE AFFECTED
1	OMBADJA	12.909	76.086
2	KWANHAMA	9.136	58.378
3	KUVELAI	935	3.406
4	NAMAKUNDE	378	1.361
5	KAHAMA	22	120
TOTAL PROVINCE		23.380	139.351

* SOURCE: PROVINCIAL COMMITTEE FOR CIVIL PROTECTION - 01 APRIL 2009

CONSEQUENCES - 2

IN 2009:

- ✓ 390 FAMILIES (ABOUT 2392 PEOPLE DISPLACED) INSTALLED IN 3 FIELDS OF HOME IN ONDJIVA
- ✓ 14 CONFIRMED DEATHS BY FLOODS
- ✓ 47 CITIES, INCLUDING 9 TOWNS FLOODED AND / OR INSOLATED
- ✓ 9,867 HOMES DESTROYED
- ✓ 3 HEALTH POSTS DESTROYED
- ✓ 520 SCHOOLS FLOODED, 106 DESTROYED AND 89,180 STUDENTS AFFECTED
- ✓ AROUND 228,000 HA LARVAE FLOODED
- ✓ 150,000 ISOLATED CATTLES IN FLOODED AREAS
- ✓ DAMAGE OF ROADS AND BRIDGES: MORE THAN 16 TERTIARY ROADS CUT



RESPONSE MEASURES IMPLEMENTED-1

■ PRINCIPAL OBJECTIVES:

- ENSURE MEDICAL AND PHARMACEUTICAL TREATMENT FOR PEOPLE AFFECTED
- PREVENT, DETECT AND CONTROL EPIDEMIC OUTBREAKS OF DISEASES RELATED TO FLOODS PARTICULARLY CHOLERA AND MALARIA

RESPONSE MEASURES IMPLEMENTED-2

- **COORDINATION OF ACTIONS:**
 - REACTIVATION OF PROVINCIAL AND CIVIL PROTECTION COMMITTEE UNDER COORDINATION OF PROVINCIAL GOVERNOR
 - REACTIVATION OF HEALTH EMERGENCY SUB-COMMITTEE HEADED BY CHIEF DEP. S. P. AND INTEGRATED BY THE DPS HEALTH TECHNICIANS AND PARTNERS
 - PREPARATION AND IMPLEMENTATION OF A CONTINGENCY PLAN WITH INTEGRATED EMERGENCY IN DPS
- **INTEGRATION OF ACTIONS** BETWEEN DIFFERENT PROGRAMS OF PUBLIC HEALTH (EMERGENCY, HEALTH PROMOTION, MALARIA, EPIDEMIOLOGICAL SURVEILLANCE, PAV ...) AND VARIOUS PARTNERS (MUNICIPAL AND COMMUNAL ADMINISTRATIONS, UNICEF, WHO, CVA, OXFAM, ANGLICAN CHURCH, ADPP, PSI)

MALARIA CONTROL ACTIONS ARE IMPLEMENTED-3

- REQUEST TO NATIONAL LEVEL FOR ADDITIONAL RESOURCES (ANTIMALARIAL RDT AND LLINS)
- COMMUNITY/IEC AWARENESS ON:
 - GENERAL HYGIENIC
 - TREATMENT OF DRINKING WATER
 - PROPER USE OF LLINS

MALARIA CONTROL ACTIONS ARE IMPLEMENTED-4

- **DISTRIBUTION OF LLINS TO AFFECTED FAMILIES - 3 / FAMILY**
- **INCREASE IN SUPPLY OF ANTIMALARIAL AND RDT TO AFFECTED AREAS. - STOCK FOR 5 MONTHS (SUPPORT FOR CIVIL PROTECTION IN TRANSPORT)
REFRESH OF COURSES IN MANAGEMENT OF CASES (50 TRAINED NURSES U.S.\$ 12)**

MALARIA CONTROL ACTIONS ARE IMPLEMENTED-5

- **INTEGRATED SUPERVISION IN AFFECTED AREAS (SOMETIMES WITH THE SUPPORT OF FAA-HELICOPTER)**
- **STRENGTHENING EPIDEMIOLOGICAL SURVEILLANCE:**
 - ❖ **WEEKLY REPORTING OF CASES OF MALARIA (EFFECTIVE IN THE FIELDS OF HOME)**
 - ❖ **REVIEW OF MONTHLY DATA OF U.S OF AFFECTED AREAS**

RESOURCES RECEIVED

RECEIPT DATE	RESOURCES	QUANTITY
16/03/2009	COARTEM B6	960 Trat
	COARTEM B12 (AND ART+LUM B12)	10.080 Trat
	COARTEM B24	1.920 Trat
02/04/2009	ARSUAMOON (B6+B12+B24)	13.230 Trat
	TOTAL TREATMENT ACT	26.190 Trat
16/03/2009	RDT	2.000 Tests
From 09/16/03	LLINs (NMCP-UNICEF-PSI-CHEVRON -OTHER)	32.000 Units

LLINs DISTRIBUTED

BENEFICIARY	QUANTITY	COVERAGE (%)
VICTIMS OF FLOOD IN GENERAL	26.500	Around 40% of families affected
DISTRIBUTION IN 3 CAMPS*		
DISPLACED IN CAMP 1	2.182	100%
DISPLACED IN CAMP 2	1.103	100%
DISPLACED IN CAMP 3	227	100%
DISTRIBUTION IN THE MUNICIPALITY OF OMBADJA BY THE PSI*		
FAMILIES AFFECTED IN THE COMMUNITY OF MUKOPE	11.500	

* 26,500 LLINs INCLUDED IN THE GENERAL DISTRIBUTION

Distribution of LLINs IN THE CAMPS



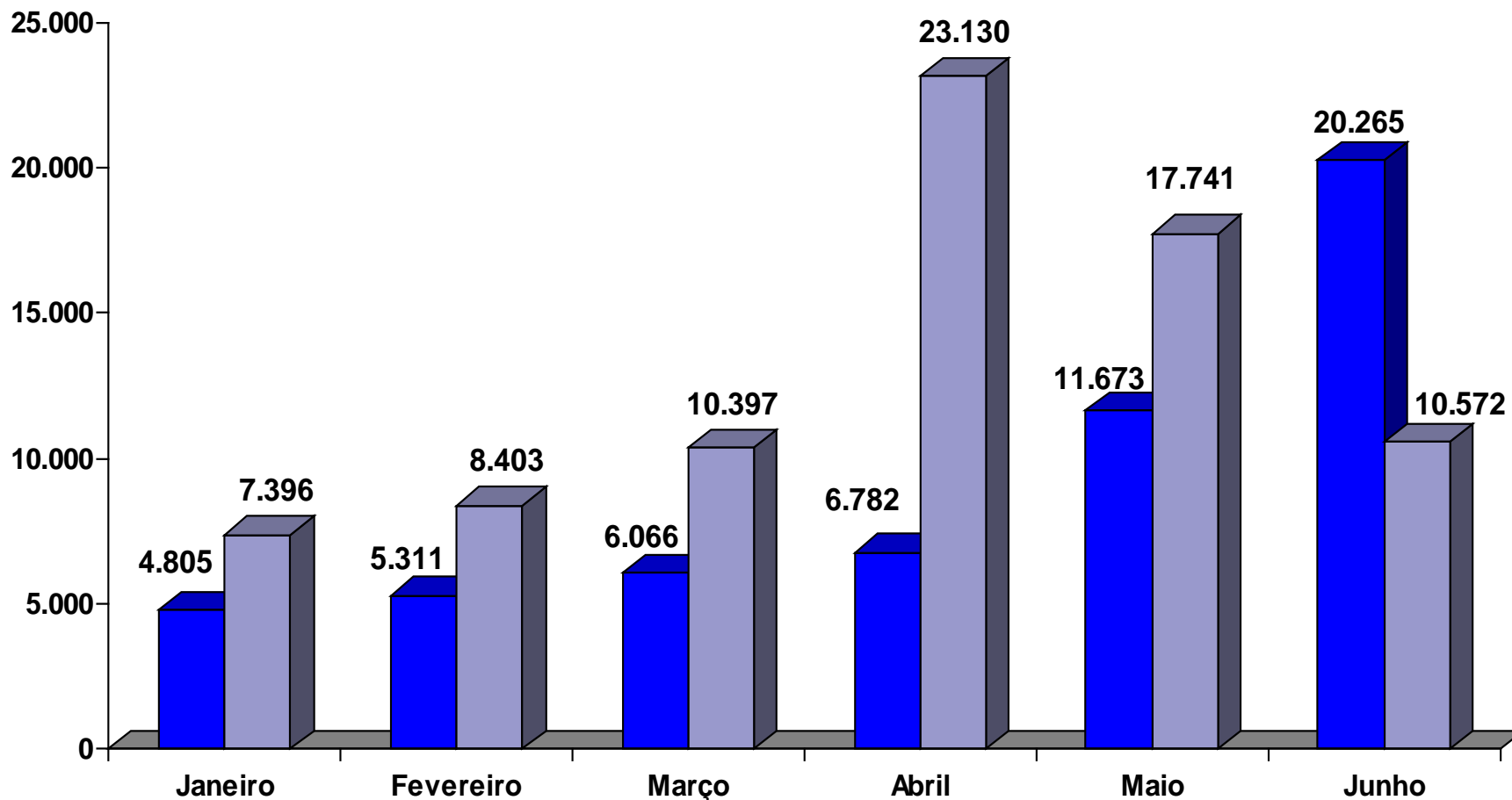
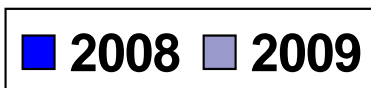
INTEGRATED DISTRIBUTION OF LLINS AND HYPOCHLORITE IN THE FIELDS



CASES OF MALARIA IN THE PROVINCE

JANUARY TO JUNE (COMPARISON 2008-2009)

(SOURCE: US MONTHLY REPORTS)



WEAKNESSES-CHALLENGES

- INSUFFICIENT QUANTITY OF ANTIMALARIAL AND RDT RECEIVED TAKING INTO ACCOUNT INCREASED CASES
- POOR COORDINATION BETWEEN THE TWO PARTNERS DURING THE DISTRIBUTION OF LLINS TO THE VICTIMS (DUPLICATION)
- MISUSE OF LLINS (FISHING)
- WEEKLY EPIDEMIOLOGICAL SURVEILLANCE
- ALERT SYSTEM FOR THE DETECTION OF NON-FUNCTIONAL EPIDEMIC
- SINCE 2007 INTERRUPTION OF PID IN THE PROVINCE OF EPIDEMIC RISK
- STOCK OF NATIONAL OR REGIONAL CONTINGENCIES?

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- THANK YOU
 - MERCI BEAUCOUP