

# Madagascar 2006- 2007 PETS Health Data Use Guide

Using the Madagascar PETS Data Set

## Introduction

The objective of the first and second round of the study was to study if and when budgets, material and salaries arrived at the basic facility level. This study is based on primary data collected in a nation-wide survey. This information will help decision makers to improve their knowledge on the functioning of the sector and thus to address bottlenecks towards better service delivery.

This survey data results are based on primary data collected in Madagascar in a nation-wide budget tracking survey. Two rounds of survey were conducted. The first round was conducted in October/November 2006 and the second round of a survey was carried out in April/May 2007 which covers total 113 health centers. Madagascar counts 22 regions and 111 districts and at least one district was visited in each region. Two districts were selected in the six largest regions. Hence, 28 districts were visited in total. Two types of health centers provide basic health care in Madagascar i.e. CSB Type I and CSB Type II. In the selected communes, all public health centers of Type II were visited. If public health centers of type I were present in the commune, one was visited based on random selection. Approximately one-third of the health centers (35%) are Type I facilities.

**Table 1: Structure of the sample**

<b>Province</b>	<b>No. of public primary health centers</b>
Antananarivo	23
Fianarantsoa	27
Toamasina	19
Mahajanga	24
Toliara	12
Antsiranana	8
Type I	39
Type II	74
Total	113

Source: World Bank/UNICEF, PETS Nov. 2006 & May 2007, Madagascar.

Finally, it is noteworthy that due to the closure of health centers in the second round period, the second round of data collection faced greater challenges to collect the data and therefore results are less robust for the second round.

## Using the Madagascar Data Files

The Madagascar data set for Health section is composed of 18 distinct files for the first round and 24 datasets for the second round. The files cover surveys of the first and second visits of health facilities (« csb 1<sup>er</sup> jour » and « csb 2<sup>ème</sup> jour »), staff, phagedis and an additional questionnaire has been administered to the district (ssd) for the second round.

For health facilities datasets, these variables include health facility code (code\_cs).

For staff datasets, the identity code (ID) is the unique identifier.

For the phagedis and the district datasets, the fivondronana code (fivondronana\_code) is the unique identifier.

## Data Description

### First round:

Folder	FILE	OBSERVATIONS	DESCRIPTION
Csb_1er jour	A_chef_centre	113 Health Facilities	This file contains information on health facility manager (skills, experience, training...).
	B_centre_sante	113 Health Facilities	This file contains characteristics of the health facility in terms of distance to other facilities and transportation means to go to the facility.
	C_personnel	366 employees	The district file contains information on absenteeism.
	entete	113 Health Facilities	This file contains information on the time of the surveys, enumerators and respondents.
	A_centre_sante	113 Health Facilities	This file contains general information on the infrastructure, number of visits and about drugs sale of health facilities.
Csb_2ème jour	C1_situation_medicaments	110 Health Facilities	This file contains information the last drug shipment including the dates and total value paid.
	C2_date_derniere_livraison	110 Health Facilities	The district file contains information on drug stockouts, quantities and prices
	C2_situation_derniere_livraison	110 Health Facilities	This file contains information on the value and quantities received of the 21 main drugs during the last shipment
	Entete	113 Health Facilities	This file contains information on the time of the surveys, enumerators and respondents.
	Personnel_santé	369 employees	This file contains information on employees (skills, experience, training, salaries...).
Personnel_csb	Entete_Personnel_santé	110 Health Facilities	This file contains information on the time of the surveys, enumerators and respondents.
	situation_livraison	106 Health Facilities	This file contains information on the value and quantities received of the 21 main drugs during the last shipment
Phagedis	rupture_stock	28 fivondronana	The district file contains information on drug stockouts, quantities and prices

	Info_generale	28 fivondronana	This file contains general information on the fivondronana (distance from the fivondronana, delays in shipment ...)
	entete	28 fivondronana	This file contains information on the time of the surveys, enumerators and respondents.
	commune_rupture_stock	28 fivondronana	The district file contains information on drug stockouts of the 21 main drugs.
	date_livraison	106 Health Facilities	This file contains information the last drug shipment including the dates and total value paid.

### Second round:

Folder	FILE	OBSERVATIONS	DESCRIPTION
Csb_1er jour	A_chef_centre	116 Health Facilities	This file contains information on health facility manager (skills, experience, training... ).
	B_centre_sante	116 Health Facilities	This file contains characteristics of the health facility in terms of distance to other facilities and transportation means to go to the facility.
	C_personnel	396 employees	The district file contains information on absenteeism.
	entete	116 Health Facilities	This file contains information on the time of the surveys, enumerators and respondents.
Csb_2ème jour	A_centre_sante	113 Health Facilities	This file contains general information on the infrastructure, number of visits and about drugs sale of health facilities.
	c1_gestion_intrants	103 Health Facilities	The district file contains information on equipment received.
	C1_situation_medicaments	11. Health Facilities	The district file contains information on drug stockouts, quantities and prices
	C2_date_derniere_livraison	113 Health Facilities	This file contains information the last drug shipment including the dates and total value paid.
	C2_situation_derniere_livraison	97 Health Facilities	This file contains information on the value and quantities received of the 21 main drugs during the

			last shipment
	section_activites_mobilisations	113 Health Facilities	This file contains information on health facilities activities
	entete	113 Health Facilities	This file contains information on the time of the surveys, enumerators and respondents.
Personnel_csb	Personnel_santé	390 employees	This file contains information on employees (skills, experience, training, salaries... ).
	Entete_Personnel_santé	113 Health Facilities	This file contains information on the time of the surveys, enumerators and respondents.
Phagedis	situation_livraison	111 Health Facilities	This file contains information on the value and quantities received of the 21 main drugs during the last shipment
	rupture_stock	28 fivondronana	The district file contains information on drug stockouts, quantities and prices
	entete	28 fivondronana	This file contains information on the time of the surveys, enumerators and respondents.
	commune_rupture_stock	28 fivondronana	The district file contains information on drug stockouts of the 21 main drugs.
	date_livraison	99 Health Facilities	This file contains information the last drug shipment including the dates and total value paid.
SSD	budget_cresan	28 fivondronana	This file contains information on the State budget by type of equipment
	budget_etat	28 fivondronana	This file contains information on the CRESAN budget by type of equipment
	mobilisations_sociales	28 fivondronana	This file contains information on SSD supervision
	q3_equipements	28 fivondronana	This file contains information on equipment received from the government (quantities and values)
	q4_qte_distribuee	28 fivondronana	This file contains information on equipment sent to health facilities (quantities and values)
	entete	28 fivondronana	This file contains the list of 6 health facilities by fivondronana and information on supervision.

The data files (raw and corrected) are provided in Stata10 © format. Other available files include the survey questionnaire, a codebook for each data file and the correction do-file applied to each data file.