

# Memorandum

Date

March 4, 1997

From



WHO Collaborating Center for Research, Training, and Eradication of Dracunculiasis

Subject

**GUINEA WORM WRAP-UP #65** 

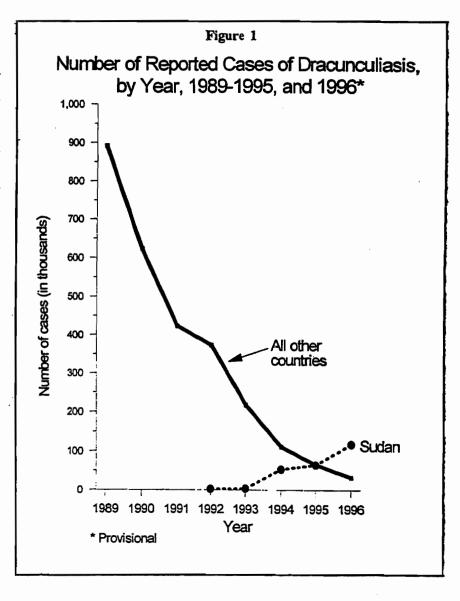
To

Addressees

# **Detect Every Case, Contain Every Worm!**

## 1996 PROVISIONAL TOTAL: 150,584 CASES

So far, a provisional total of 150,584 cases have been reported for 1996: only 32,825 cases (22%) from 18 of 19 endemic countries, but 118,009 cases (78%) from Sudan (Table 1). Figure 1 shows the trend in cases reported from all endemic countries since 1989, and from Sudan since 1992. In 1996 the number of reported cases was reduced by 50% from the previous year in 18 of the 19 endemic countries, but increased by 83% in Sudan (Figure 2).



#### COTE D'IVOIRE



We include below a memorandum sent by <u>Dr. Pierre Angui</u>, chief medical district officer for Côte d'Ivoire's Bondoukou Rural Health Sector, to health workers in endemic areas of his health sector last October. Bondoukou, the most highly endemic health sector in the country, reported 28% of all cases in Côte d'Ivoire in 1996. The editors of <u>Guinea Worm Wrap-Up</u> believe this circular memorandum is an excellent model of what medical leaders in other endemic areas and countries should be

promoting at this stage of the campaign, and we salute Dr. Angui for his approach. Bondoukou reported only 7 cases in the last four months of 1996, compared to 94 cases during the same period of 1995.

République de la Côte d'Ivoire Union - Discipline - Travail

Ministry of Public Health North - East Regional Office Health District - Bondoukou

Number 21/96/DS/BKOU

#### *MEMORANDUM*

To Mid-Wives, Peace Corps Volunteers, Village Health Workers, Health Development Agents, and Nurses working in Guinea Worm areas

### Ladies and Gentlemen:

I am very happy to inform you that this past September, for the first time in the three years since the Guinea Worm Eradication Program began in this District, no new case of Guinea worm was reported. This needs to be emphasized because the Guinea Worm Program in Bondoukou has reached an important milestone for which we should be happy and proud.

But this feat should not make us waiver in our efforts. While I congratulate you on your successes, I am also asking you to maintain your level of commitment, to redouble your efforts, and to continue your activities in the villages and camps where cases were found in 1996. With this, the number of cases should continue to decrease next year as was the situation in 1996.

But those cases that are not contained in the future as they should, can severely damage the fruit of your efforts and accomplishments over the past year. This calls for a tighter surveillance in the endemic villages, so that no cases can slip through your net.

The following activities constitute our action plan for 1997:

### The Village Health Workers:

During the first six months of 1997, the Village Health Workers must visit each household to speak with each family so that all know how water is contaminated with Guinea worm, how the disease is spread, and how both individuals and the community can prevent Guinea worm. The Village Health Worker must systematically and periodically examine old cases of Guinea worm and their family looking for the following symptoms: a burning sensation, acute pain, and a blister or if the worm has already emerged. Once the case is detected, case containment must begin immediately. The Village Health Worker must inform the supervisor within a 72-hour period. After the transmission season, the Village Health Worker will maintain surveillance.

The Supervisor and the Nurse:

The Guinea Worm Program Supervisor or the Nurse will visit each endemic village monthly to provide the necessary technical support and to gather the monthly data. Monthly, the Nurse will analyze these data, then send them to the District. The Nurse must provide more feedback to the Village Health Worker to keep them informed and motivated.

The Guinea Worm Supervisor and the Nurse should make monthly trips with the District Team during their monthly visits to endemic villages to supervise and promote Guinea worm awareness.

The major objective during this period is to contain each new case before it emerges or within the 24 hours after the worm emerges so that the chain of transmission can be broken forever.

I know I can count on each one of you; together we can do it!

Bondoukou, 25 October, 1996 The District Medical Officer

Dr. Pierre Angui

NUMBER OF CASES CONTAINED AND NUMBER REPORTED BY MONTH, 1996 (COUNTRIES ARRANGED IN DESCENDING ORDER OF CASES IN 1995)

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NUMBER	CASES	IN 1995	64608	16374	13821	8894	6281	4810	4218	3801	2073	2273	1762	514	149	82	76	80	23	15	129834	NED
Variation			SUDAN	NIGERIA	NIGER	GHANA	BURKINA FASO	UGANDA	MALI	COTE D'IVOIRE	1000	BENIN	MÁURITANIA	ЕТНЮРІА	СНАВ	YEMEN	SENEGAL	INDIA	KENYA	CAMEROON**	TOTAL*	CONTAINED     CONTAIN

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 Reported 10 cases imported from Nigeria: 1 case in May, 1 in July, 1 in Aug, 3 in Sept, and 4 in Oct.

Table 1

NUMBER OF CASES CONTAINED AND NUMBER REPORTED BY MONTH, 1997 (COUNTRIES ARRANGED IN DESCENDING ORDER OF CASES IN 1996)

Table 2

COUNTRY	# OF ENDEMIC		. de				NUMBER	NUMBER OF CASES CONTAINED / NUMBER OF CASES REPORTED	· VTAINED / NU	MBER OF CA	SES REPORTE	6				
	VILLAGES	CASES	VANITABLE	Volume	МАВСИ	licav	AVV	TIME TO SERVICE	, A##	Altorier	CONTENED	GEROTO	OCTOBBE NOVEMBED DECEMBED	DECEMBER	TOTAL	& CONT.
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NIGERIA	1288	1072	983	`	`	-	_	_	`	`	,	`	`	`	983 / 1148	88
GHANA	602	4877	1498	,	,	,	,	\	'	,	1	,	1	1	1498	8
BURKINA FASO	337	3199	,	,	,	,	,	,	,	,	,	,	,	,	,	•
NIGER	416	2978		,	,	,	,	'	,	,	1	,	,	1	3,4	7
COTE D'IVOIRE			148	,	,	`	,	,	,	,	1	, .	,	1	148 , 156	8
MALI		2402		,	,	,	,	,	,	,	1	,	,	1	,	•
1060	257	1583	,	,	,	,	,	`	,	,	1	,	,	1	1	•
UGANDA	327			`	,	_	_	_	,	'	1	,	,	,	419	8
BENIN	325		92,95	,	,	,	,	'	,	,	1	,	,	,	,	٠
MAURITANIA	132	ž	ı	,	'	,	,	,	,	,	1	1	,	,	,	•
ETHIOPIA	19	372		212	,	,	,	. ,	,	'	1	1	,	,	و ر <sub>1</sub>	8
CHAD	12	117		,	,	,	,	,	,	,	,	,	,	`	2,2	10
YEMEN	7	29		,	,	,	,	,	,	,	,	,	`.	`	°,°	
SENEGAL	7	20		1	,	,	,	,	,	,	,	,	,	`	,	•
CAMEROON	2	13		'1	,	,	,	,	,	,	1	1	,	,	0,0	•
INDIA	3	6	0,0	1	,	,	,	'	,	'	'	1	,	,	°,	•
TOTAL.	2882	150573	~ 1	2,2	0,0	0	0,0	0,0	0,0	0	0,0	0,0	0,0	0,0	7744 , 31111	28
(O)	& CONTAINED		88	•	•	•	•	•	•	•	•	•	٠	•	88	
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Table 3 DRACUNCULIASIS ERADICATION CAMPAIGN
REPORTED IMPORTATIONS OF CASES OF DRACUNCULIASIS: 1996

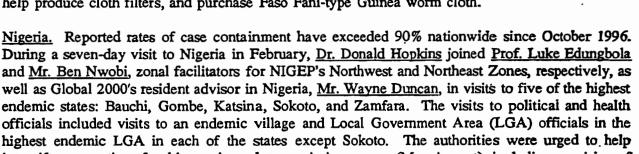
From	То	Month		Cases	
			Number	Contained_	Cross notified
Benin	Nigeria	August	5	?	5
		October	2	?	?
		November	5	?	?
Burkina Faso	Niger	August	2	0	_ 2
	Côte d'Ivoire	June	1	1	?
	:	August-	1	1	?
		September	1	1	?
Côte d'Ivoire	Burkina Faso	JanSept.	8	?	?
Ghana	Togo	January	2	7	?
		February	6	?	?
		March	1	?	?
		June ,	1	1	_ 1
	Burkina Faso	Jan Sept.	6	?	?
Nigeria	Benin	Jan Aug.	11	?	?
	Togo	February	1	7	?
		Мау	1	?	1
	Niger	June	2	1	2
	Cameroon -	Мау	1	1	_ 1
	1	July	1	1	1
		August	1	1	1
		September	3	3	
•		October	4	4	4
Niger	Burkina Faso	Jan Sept.	2	?	?
	Côte d'Ivoire	August	1	1	?
Mali	Senegal	September	1	1	pending
	Côte d'Ivoire	February	1	1	?
Togo	Benin	Jan Aug.	17	?	?
	Côte d'Ivoire	September	1	1	?
	Ghana	June	3	?	?
		November	1	?	?
Senegal	Mali	June	3	?	?
		October ?	1	?	1
Sudan	Uganda	March	1	0	1
		Мау	3	0	3
		July	1	0	
	Ethiopia	August	3	3	
	C.A.R.	7	1	?	?
	Total		106	22	

#### IN BRIEF:

Benin. Dr. Aristide Chakirou Paraiso, of the Ministry of Public Health, has been designated National Coordinator of the Guinea Worm Eradication Program. Welcome, Dr. Paraiso.

Ghana. The large number of cases reported in January (Table 2) partly reflects increased and earlier reporting of many pre-emergent cases which would otherwise have been reported in February, as a result of the cash rewards that the program introduced in December (see previous issue of Guinea Worm Wrap-Up). This is, however, nearly as many cases as were reported in Ghana in January (611) and February (863) of 1996, when 76% and 77%, respectively, of cases were contained. It suggests the danger of allowing even a fraction of cases to contaminate major sources of drinking water, such as the large dams serving a few of the district capitals in the Northern Region. Providing safe water sources for such populations, and/or achieving nearly 100% case containment will be required to stop transmission. 89% of the 1,685 cases in January 1997 were contained; 93% of the cases were reported from the Northern Region. In February, 20,000 copies of posters with messages to "Stay out of water if you have Guinea worm" and "Prevent Guinea worm - filter your drinking water", as well as publicizing the reward system, were printed and distributed.

Niger. The Ambassador of Japan in Abidjan, Mr. Hiromi Sato, recently announced his government's decision to award a Small Scale Grant Agreement of approximately \$100,000 to Global 2000/Niger to assist Niger's Guinea Worm Eradication Program. The funds will be presented by an embassy official during the Program Managers' Meeting in Niamey later this month. The grant will be used to purchase two 4-wheel drive vehicles, help produce cloth filters, and purchase Faso Fani-type Guinea worm cloth.



During a seven-day visit to Nigeria in February, Dr. Donald Hopkins joined Prof. Luke Edungbola and Mr. Ben Nwobi, zonal facilitators for NIGEP's Northwest and Northeast Zones, respectively, as well as Global 2000's resident advisor in Nigeria, Mr. Wayne Duncan, in visits to five of the highest endemic states: Bauchi, Gombe, Katsina, Sokoto, and Zamfara. The visits to political and health officials included visits to an endemic village and Local Government Area (LGA) officials in the highest endemic LGA in each of the states except Sokoto. The authorities were urged to help intensify preparations for this year's peak transmission season (May-August), including provision of safe water sources to as many priority endemic villages as possible over the next two months. In 1996, 2 villages in Bauchi State reported 82% of all cases in that state; 16 villages in Katsina reported 10% of all cases in the entire country; and 7 villages in Sokoto reported 84% of all cases in that state.

Yemen. Dr. Abdul Hakeem Al Kohlani reports that only 7 of 21 villages with endemic dracunculiasis in 1995 reported one or more cases during 1996. Wells in all 7 villages were protected during 1996 and Abate is being applied monthly. Dr. Al Kohlani also reported the absence of cases in January 1997 (Table 2).

#### **MEETING**

The Fourth Program Managers' Meeting will be held in Niamey, Niger, on March 24-26, 1997.

Figure 2

PERCENTAGE CHANGE IN NUMBER OF CASES OF DRACUNCULIASIS REPORTED DURING JANUARY - DECEMBER 1995 AND JANUARY - DECEMBER 1996,\* BY COUNTRY

COUNTRY	NUMBER OF CAS	ES DETECTED	% REDUCTION	% INCREASE
COUNTRY	1995	1996 .19	-10 -10 -16 -26 ; (	, , , , , , , , , , , , , , , , , , ,
India	60	9	-85	
Niger	13821	2978	-78	
Senegal	76	20	-74	-
Uganda	4810	1455	-70	
Mauritania	1762	549	-69	
Burkina Faso	6281	3199	-49	
Ghana	8894	4877	-45	
Mali	4218	2402	-43	
Benin	2273	1425	-37	
Nigeria	16374	10729	-34	
Ethiopia	514	372	-28	
Côte d'Ivoire	3801	2785	-27	
Togo	2073	1583	-24	
Yemen	82	62	-24	
Chad	149	117	-21	
Cameroon**	15	13	-13	,
Sudan	64608	118009		83+
Total	129811	150584		16+

Provisional

Cameroom reported 7 imported cases in 1995 and 10 in 1996.



WHO, 1997. Dracunculiasis - certification of eradication. Wkly Epidemiol Rec, 72:33-35.

Inclusion of information in the Guinea Worm Wrap-Up does not constitute "publication" of that information.

In memory of BOB KAISER.

For information about the GW Wrap-Up, contact Trenton K. Ruebush, MD, Director, WHO Collaborating Center for Research, Training, and Eradication of Dracunculiasis, NCID, Centers for Disease Control and Prevention, F-22, 4770 Buford Highway, NE, Atlanta, GA 30341-3724, U.S.A. FAX: (770) 488-4532.



CDC is the WHO Collaborating Center for Research, Training, and Eradication of Dracunculiasis.