

Memorandum

Date

January 12, 1998

From



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

Subject

GUINEA WORM WRAP-UP #75

To

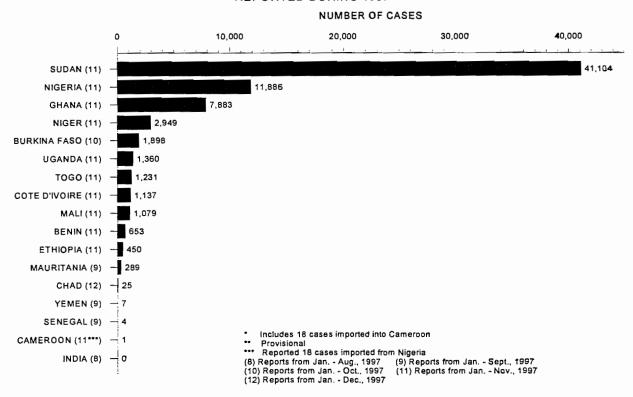
Addressees

Detect Every Case, Contain Every Worm!

FIVE MORE ENDEMIC COUNTRIES AT OR NEAR ERADICATION IN 1997

Although surveillance figures are still incomplete and provisional, it now appears that 1997 will be India's first calendar year free of dracunculiasis, and that Cameroon, Senegal, Yemen, and Chad will report only 1, 4, 7, and 25 indigenous cases, respectively (Figure 1). Despite impressive reductions in cases in Côte d'Ivoire, Mali, and Benin, however, the total number of cases reported for 1997 among all of the remaining endemic countries outside of Sudan will be about the same as in 1996, due mainly to increased cases reported in Ghana, Ethiopia, Nigeria, and Niger (Table 1, Figure 2). Also, the considerable challenges remaining to the program in Burkina Faso are suggested by that country's ranking as the third most frequently cited source of internationally exported cases during the year, after Nigeria and Sudan (Table 2).

Figure 1 DISTRIBUTION BY COUNTRY OF 71,983* CASES OF DRACUNCULIASIS REPORTED DURING 1997**



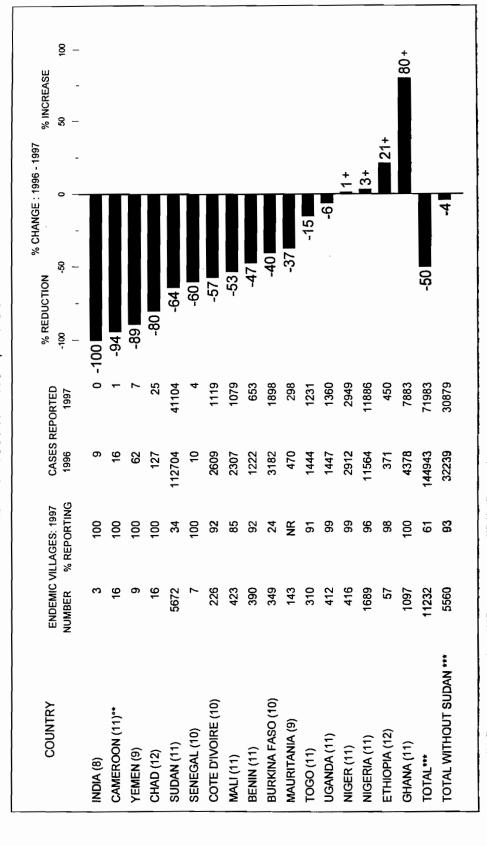
NUMBER OF CASES CONTAINED AND NUMBER REPORTED BY MONTH DURING 1997* (COUNTRIES ARRANGED IN DESCENDING ORDER OF CASES IN 1996)

		8	CONT.	\$\$	82	76	32	35	68	ङ	89	88	35	91	28	85	ĹS	100	\$6	•	79	
			TOTAL*	22440	9706	5984	612	1586	1016	690 , 1079	729	811,	551	225 ,	391 , 450	16 , 25	4 , 7	, 4 , 4	18 ,	0,0	44783 , 71983	29
1			DECEMBER	,	,	,	,	,	,	,	,	,	,	,	1,	0,0	,	,	,	,	1,2	
			NOVEMBER	360	634 /	422 / 808	,	11,	18 , 18	16 , 73	100 ,	19 / 26	133 /	,	1,1	0,0	,	,	0,0	,	1774	
			OCTOBER	857	325	123	s, s	127 , 236	14 , 28	53 ,	% / 193	17,	88 /	,	, 8	0,0	,	0,0	3,3	,	1719	æ
	REPORTED	•	SEPTEMBER	1211 , 2307	379	53 /	125	315 / 485	14 / 14	134 /	129 ,	57 ,	38 /	63 / 83	20 / 20	0,0	0,1	0,0	s,	,	2543	19
	NUMBER OF CASES CONTAINED / NUMBER OF CASES REPORTED		AUGUST	1680 / 2988	933 /	73 , 97	* * * * * * * * * * * * * * * * * * *	500 / 857	36 / 36	199 /	76 ,	35 /	18,	103	56 ,	2,8	0,0	0,0	3,3	0,0	3788	8
	TAINED / NUM	•	JULY	2050 / 2688	1150	194	192 /	312 ,	, % . ~	134 /	83 /	84 / 124	4 / 10	34 / 55	62,	0 / 3	0,0	1,1	7,7	0,0	4403	8
	OF CASES CON	•	JUNE	1967	1089	272	139	218	88	701	48 /	160	17,	8,	110	2,2	1,1	3,	0,1	0,0	4200	70
	NUMBER	•	MAY	3264 , 7315	952 ,	583 / 652	54 / 336	33 ,	134 /	24 / 31	\$\$ 113	295	28 ,	9,9	78 ,	1,1	2,4	0,0	0,0	0,0	5508	32
		•	APRIL	2621 , 7046	816	606	15 / 48	5,	157	10 ,	42 /	110	74 /	7,10	40 /	',	1,1	0,'0	0,0	0,'0	4569 / 9555	48
			MARCH	5603 ,	976	904	3 / 45	2,4	114	4 ,	45 ,	27 / 36	15,		, 8 8	9,	0,0	0,0	0,0	0,0	7708	19
			FEBRUARY	6	2	1182	8 / 35	0,0	178	","	22 , 33	1,	38 /	1,1	3 / 5	2,2	0,0	0,0	0,0	0,0	3714 , 4721	79
			JANUARY	1965	1056	1498	17,	3,7	147	27 ,	31,	6,	98 ,	2,2	4 / 5	2,2	0,0	0,0	0,0	0,0	4856	70
-	OF	CASES	1996	118578	12282	4877	3241	2956	27.94	2402	1626	1455	1427	295	37.1	127	62	61	17	٥	152805	Ð
	COUNTRY			SUDAN	NIGERIA	GHANA	BURKINA PASO	NIGER	COTE D'IVOIRE	MALI	TOGO	UGANDA	BENIN	MAURITANIA	ETHIOPIA	СНАВ	YEMEN	SENEGAL	CAMEROON••	INDIA	TOTAL*	% CONTAINED

* Provisional ** Reported 18 cases imported from Nigeria.

AND PERCENTAGE CHANGE IN NUMBER OF CASES OF DRACUNCULIASIS PERCENTAGE OF ENDEMIC VILLAGES REPORTING DURING 1996 AND 1997*, BY COUNTRY

Figure 2



⁽⁸⁾ Reports for Jan. - Aug. 1997 (9) Reports for Jan. - Sept. 1997 10) Reports for Jan. - Oct. 1997 (11) Reports for Jan. - Nov. 1997 (12) Reports for Jan. - Dec. 1897

NR Not Reported

• Provisional

• Reported 18 cases imported from Nigeria in 1997.

•• Includes 18 cases imported into Cameroon

The significantly fewer cases reported by the most highly-endemic country, Sudan, so far for 1997 are almost certainly due more to reduced reporting because of increased fighting in the civil war than to the real reductions in transmission which Sudan also achieved in some states in 1997. The net result will likely be that for the first time, less than 100,000 annual cases of dracunculiasis will be reported globally in 1997. Overall, the reported rates of cases contained outside of Sudan averaged about 72% in 1997, compared to 66% in 1996.

GHANA: MORE CASES IN VOLTA, BRONG-AHAFO REGIONS

Through November 1997, Brong-Ahafo Region has reported 487 cases of dracunculiasis, which is 5.2 times as many cases as reported in the same period of 1996 (93 cases), while Volta Region has reported 1,282 cases, which is 3.8 times as many as in the same period of 1996 (341 cases). Almost all of the cases in Brong-Ahafo are in one district, Atebubu. Most of the cases in Volta Region are in Nkwanta, Akatsi, and Kete Krachi Districts. All four of these districts border, or are close to, the Northern Region. The program is taking aggressive action to help local authorities to contain the outbreaks, which have resulted from inadequate active surveillance in areas known to be at high risk. Northern Region, which reported 1.6 times as many cases in January-November 1997 (5,607 cases) as in 1996 (3,528), for the first time has reportedly contained 100% of all cases reported in that region in October and November 1997 (total of 254 cases). (See Figure 3.)

Figure 3 GHANA GUINEA WORM ERADICATION PROGRAM
DISTRICTS REPORTING 6596 (93%) OF 7075 CASES REPORTED IN 1997*

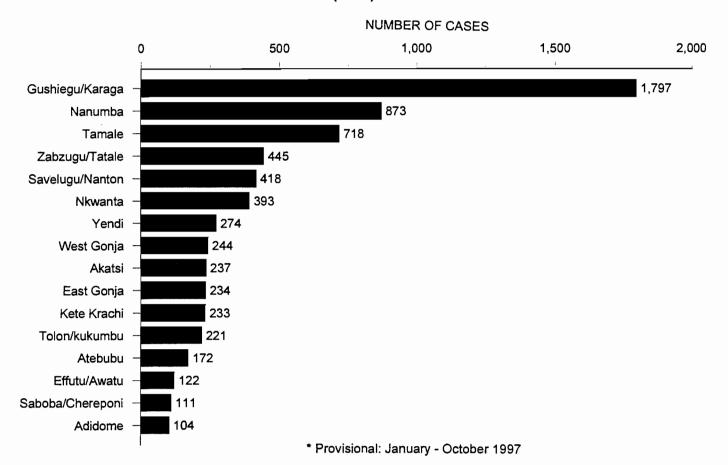


Table 2 Dracunculiasis Eradication Campaign
Reported Importations of Cases of Dracunculiasis: Jan.- Nov.1997

From	То	Month	Cases					
			Number	Contained	Cross notified			
Burkina Faso	Mali	January	2	2				
		June	1	1				
		July	3	0				
		September	2	0				
		October	1	0				
	Cote d'Ivoire	May	1	1				
		August	6	6				
	Niger	May	1	0				
		July	1	0				
	Ghana	September		1				
Cote d'Ivoire	Mali	June	1	1				
Ghana	Togo	January	3	1				
Mauritania	Mali	October	2	2				
		November	2	0				
Niger	Nigeria	July	1	1				
J	Mali	July	2	0				
		October	1	0				
Nigeria	Niger	March	1	1				
	3	April	2	2				
		May	1	0				
		June	1	1				
		July	8	1				
	}	August	1	1				
		September	1					
	Cameroon	June	1	0				
		July	7	7	****			
		August	3	3				
		September	5	5				
		October	2	2	?			
	Togo	??	4	?	?			
Togo	Ghana	January	3	3				
. 0 9 0		March	1	1				
		October	1	1				
		November	1	1				
Sudan	Uganda	March	3	3				
0000.1	ogaaa	July	2	0				
		August	3	2				
		November	1	?	?			
	Ethiopia	February	2	2				
	Ethopia	March	2	2				
		April	1	1				
			2	0				
		May		2	<u>-</u>			
		August	2	2				
		September	2					
		October	1	1				
	Kenya	August		1				
Uganda	Kenya	January	1	1				
		June July	2	2				

NIGERIA: INTENSIFIED ACTION IN NORTHEAST

Acting Northeast Zonal Coordinator Mr. Joshua Ologi reports that the latest monthly border meeting between Guinea Worm Eradication Program staff of northeast Nigeria and Cameroon was held at Banki, Nigeria, on December 3. The Nigerian program has secured the agreement of zonal UNICEF officials and WHO to help provide boreholes with extra deep pumps for Borwashe (2) and Cha-chile (1) villages beginning before the end of December 1997. Those two border villages were the source of all cases imported into Cameroon in 1997. Abate treatment of local ponds has been stepped up, in addition to intensified health education, mobilization of state, LGA, and local authorities, and distribution of cloth filters. A special Zonal Task Force Meeting was convened on November 25, at which 9 of the 10 states in the zone were represented, in addition to representatives of UNDP and Global 2000/The Carter Center.

Of the 774 cases reported in Nigeria in November, 80.6% were from Enugu/Ebonyi (293 cases), Oyo (184), and Benue (147) States. These represent significant increases from the 158, 104, and 53 cases reported from those states in November 1996, respectively.

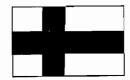
DANIDA GRANT FOR NIGER



In December, officials of the Danish International Development Agency (DANIDA) informed the Government of Niger and Global 2000/The Carter Center that DANIDA would provide a grant of 4,014,272 Danish kroner (approximately US \$600,000) for the Guinea Worm Eradication Program of Niger in 1998-1999. Eighty percent of the total amount will be used to fund interventions by the program in the field, including purchase of filter material. The remainder will help support the program's secretariat.

COORDINATION MEETING FOR SUDAN HELD IN NAIROBI; FINLAND PROVIDES SUPPORT THROUGH THE CARTER CENTER

Representatives from the Sudan Guinea Worm Eradication Program's secretariat in the Federal Ministry of Health, Khartoum; The Carter Center/Global 2000's offices in Khartoum and Nairobi; and UNICEF-OLS Southern Sector Health Office met in Nairobi, December 12-16, to review program activities and results from 1997, and to coordinate 1998 plans of action.



In December, the Department for International Development Cooperation of the Ministry of Foreign Affairs of Finland informed The Carter Center that the government would contribute 800,000 Finnish marks (approximately \$145,000) for the Center's work in Sudan. These funds will be used in support of dracunculiasis eradication activities in Sudan in 1998.

Sudan has reported a provisional total of 41,104 cases of dracunculiasis in January-November 1997 (<u>Table 1</u>). This is less than half of the 112,706 cases reported in the same period of 1996. An average of 44% of known endemic villages reported in 1996, vs. only 34% in 1997 so far. Jonglei State reports 44% of cases in 1997, but increased fighting in the civil war has reduced reporting overall, especially from areas of Bahr Al-Ghazal, which are known to be highly endemic and which reported a large share of Sudan's cases in 1996. Overall incidence in the ten northern states has declined despite equal or better reporting

rates in 1997, but West Kordofan is responsible for more than half (371 of 613) of the known cases there in 1997, while three states (Sennar, North Darfur, White Nile) have reported little change in incidence between 1996 and 1997. Reporting from South Kordofan, parts of which are known to have been highly endemic a decade ago, has been scanty in recent years, due to security concerns. The program plans to extend the use of Abate in both operational areas during the current dry season.

ZINGESER HONORED

At the end of December, <u>Dr. James Zingeser</u>, Global 2000/The Carter Center's Resident Technical Advisor to the Niger Guinea Worm Eradication Program for the past three years, returned to the United States. In a moving ceremony held on the eve of his departure, <u>Madame Director Khadi O. Traore</u> of the Directorate of Prevention, Sanitation, and Hygiene presented Dr. Zingeser an Official Testimony of Satisfaction (Temoignage Officiel de Satisfaction) on behalf of the minister of health.

IN BRIEF:

<u>Chad.</u> Health and Development International (HDI) has provided a grant of \$10,000 to the GWEP of Chad in December to help cover costs of office operations and surveillance in 1998.

Ethiopia. Global 2000 provided a supplementary grant of \$10,000 to this program in December to help cover the costs of health education materials and some other expenses in 1998. Sufficient filter material and Abate are in place for the 1998 transmission season.

Mali. In January-November 1997, Kayes Region has reduced its incidence of dracunculiasis by 61% compared to the same period of 1996 (from 298 to 115 cases), with 85% of the 1997 cases contained. Mopti Region has recorded a reduction of 45% (from 814 to 449 cases), with 78% of cases contained in the same period. Gao and Timbuktu are now the second and third highest endemic regions in the country, with Mopti and Kayes ranking first and fourth.

TRANSITIONS

<u>Dr. Nevio Zagaria</u> has joined the Dracunculiasis Eradication Unit of the Control of Tropical Diseases Division at WHO headquarters. Dr. Zagaria is an Italian national with field experience in several African countries. He will help WHO provide assistance to national dracunculiasis eradication programs. *Welcome!*

<u>Dr. James Zingeser</u>, formerly Global 2000's Resident Advisor to the GWEP of Niger, has returned to headquarters in Atlanta. Dr. Zingeser's new position is senior epidemiologist in the Disease Eradication and Control Unit of the Carter Center.

<u>Dr. Ernesto Ruiz-Tiben</u> of the Global 2000 Program has been designated Technical Director of the Guinea Worm Eradication Program in the Disease Eradication and Control Unit of the Carter Center, which includes Global 2000.



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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.

