Date: February 23, 2004

From: WHO Collaborating Center for

Research, Training and Eradication of Dracunculiasis

Subject: GUINEA WORM WRAP-UP #140

To: Addressees

CARTER IS JOINED BY DR LEE OF WHO AND GAUTAM OF UNICEF IN HISTORIC VISIT TO GHANA; HE VISITS TOGO AND MALI ALSO

Former U.S. President and Mrs. Jimmy Carter visited Togo, Ghana and Mali during February 2-8, 2004 on behalf of The Carter Center. The visits were part of the Center's stepped up advocacy campaign ("Stop Guinea Worm Now!") for completing the eradication of Guinea worm disease. WHO Director-General Dr. Jong-wook Lee and UNICEF Deputy Executive Director Mr. Kul Gautam joined the chairman of The Carter Center in the visit to Ghana, which reported 8,285 cases of dracunculiasis in 2003 (only Sudan reported more), and is now the highest endemic country remaining in West Africa. In Ghana, the distinguished visitors flew with the Honorable Minister of Health Dr. Kweku Afriyie to Tamale, the capital of the Northern Region, where they made a field visit to the endemic village of Dashei, in East Gonja District, met with over 200 Guinea worm workers and political leaders from all of the endemic regions and representatives of key partner and donor agencies, and held a press conference. The minister said that Ghana would do more to raise public awareness about the disease and gain a sense of urgency at all levels. Later in Accra, Drs. Lee and Gautam joined President and Mrs. Carter in a visit to President John Kufuor. President Kufuor pledged his government's enthusiastic support, stated his intention to make the program a top priority, and indicated that he would try to visit the endemic area in Nkwanta District of Volta Region in order to show that this is a priority. President Carter was accompanied by Carter Center Executive Director, Dr. John Hardman, and by the Technical Director of The Carter Center's Guinea Worm Eradication Program, Dr. Ernesto Ruiz-Tiben. Dr. Lee was accompanied by Dr. Anarfi Asamoah-Baah, WHO's Assistant Director-General for communicable diseases.

In Togo, President Carter and his team met with <u>President Gnassingbe Eyadema</u>, the <u>Honorable Minister of Health</u>, <u>Ms. Suzanne Aho</u>, as well as with leaders of Togo's Guinea Worm Eradication Program, other political leaders and representatives of donors and partner agencies. President Eyadema pledged his full support for the program. President Carter and Minister of Health Ms. Suzanne Aho also held a press conference shortly before President Carter departed to fly to Ghana. At his final stop, in Mali, President Carter met with <u>President Amadou Toumani Toure</u>, who expressed his disappointment that Mali's program has not progressed faster. He promised to lend more personal support, including a visit to Gao Region.

Throughout his trip, President Carter stressed the need to intensify efforts at all levels in order to eradicate the final 1% of cases that remain (from an estimated 3.5 million cases when The Carter Center took up this cause in 1986, to less than 35,000 cases reported in 2003). The presidents of all three countries promised to videotape additional Public Service Announcements that can be broadcast in association with the message by UN Secretary-General Kofi Annan, to help increase awareness of their Guinea worm progra

GHANA DOCUMENTS IMPACT OF RED CROSS SOCIETY MOTHERS CLUBS

Ghana's Guinea Worm Eradication Program began working with the Ghana Red Cross Society's (GRCS) Mothers Clubs in mid-2002, as a source of additional volunteers to help conduct surveillance and health education about dracunculiasis in endemic villages of the highest endemic districts in the country. By the end of 2003, over 6,000

Table 2

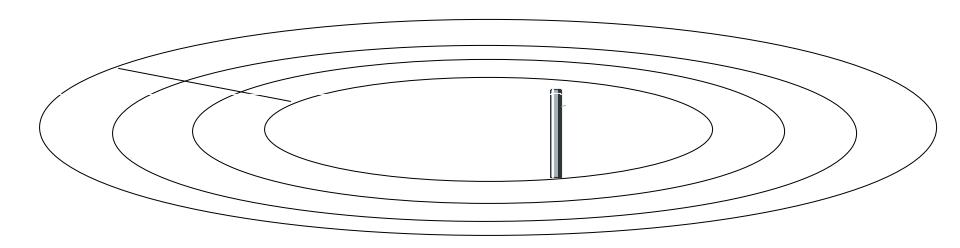
Number of cases contained and number reported by month during 2003*

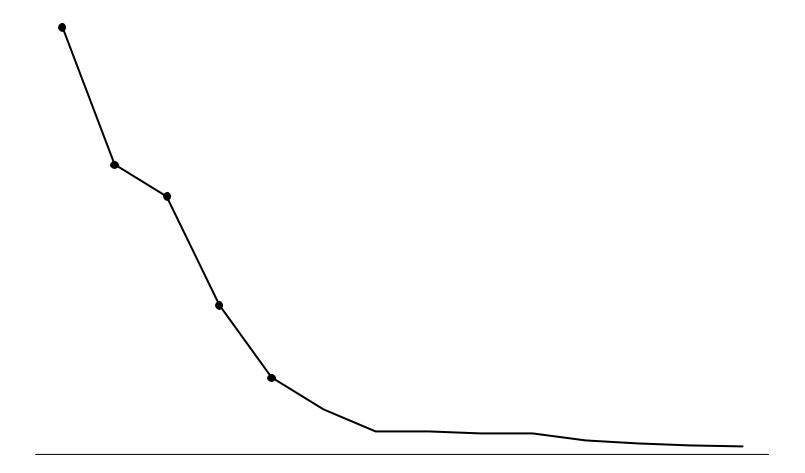
(Countries arranged in descending order of cases in 2002)

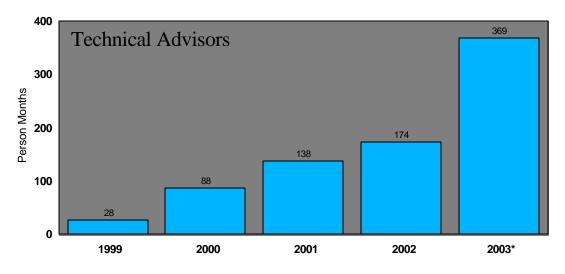
| COUNTRIES REPORTING CASES | NUMBER OF CASES CONTAINED / NUMBER OF CASES REPORTED | | | | | | | | | | % | | | |
|---------------------------------|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------|------------------|--------------------|-------|
| | JANUARY | FEBRUARY | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER | NOVEMBER | DECEMBER | TOTAL* | CONT. |
| SUDAN | 260 / 1175 | 122 / 702 | 270 / 872 | 255 / 1185 | 257 / 2309 | 240 / 2523 | 279 / 2591 | 280 / 2316 | 304 / 1713 | 569 / 2448 | 544 | 163 / 336 | 3543 / 19484 | 18 |
| GHANA | 485 | 769 / 1339 | 555 / 944 | 622 / 940 | 524 785 | 374 / 558 | 288 / 474 | 126 / 203 | 81 / 158 | 150 / 278 | 352 712 | 426 / 994 | 4752 / 8285 | 57 |
| NIGERIA | 389 / 568 | 179 | 106 | 53 / 61 | 30 / 52 | 49 / 58 | 49 / 68 | 34 / 48 | 22 / 31 | 28 | 53 | 87 / 108 | 1079 | 74 |
| TOGO | 110 / 149 | 28 / 44 | 21 / 29 | 38 / 44 | 73 / 87 | 53 / 72 | 53 | 14 / 22 | 18 / 27 | 24 / 29 | 25 | 37 / 68 | 494 / 669 | 74 |
| MALI | 3 / 3 | 4 / 4 | 5 | 2 / 3 | 3 / 3 | 8 / 8 | 42 / 84 | 92 / 160 | 122 | 106 | 37 / 73 | 16 / 23 | 440 / 822 | 54 |
| BURKINA FASO | 6 | 1 / 2 | 0 / 1 | 3 / 5 | 14 / 16 | 27 62 | 24 / 34 | 12 / 19 | 12 / 21 | 11 / 18 | 4 / 12 | 5 7 | 119 / 203 | 59 |
| NIGER | 0 | 1 / 1 | 0 / 0 | 2 / 2 | 0 / 0 | 6 | 27 | 30 / 47 | 33 / 71 | 11 / 73 | 22 | 13 | 145 / 293 | 49 |
| COTE D'IVOIRE | 7 / 21 | 5 / 8 | 1 / 2 | 1 / 4 | 3 / 3 | 1 / 2 | 0 / 0 | 0 / 0 | 0 / 0 | 0 / 0 | 0 / 0 | 0 / 0 | 18 / 40 | 45 |
| BENIN | 21 21 | 1 / 1 | 1 / 1 | 0 | 0 / 0 | 0 / 0 | | | | 2 / 2 | 1 / 1 | 2 / 2 | 30 / 30 | 100 |
| ETHIOPIA | 0 | 0 / 0 | 3 / 3 | 7 7 | 7 7 | | | | 4 / 4 | 0 / 0 | 0 / 0 | 0 | 28 / 28 | 100 |
| MAURITANIA | | | 0 / 0 | 0 | 0 / 0 | 1 / 1 | 2 / 3 | 1 / 1 | 3 / 4 | 2 / 3 | 0 / 0 | 1 1 | 10 / 13 | 77 |
| UGANDA | | | | 3 / 3 | 9 / 11 | 4 / 6 | 1 / 2 | 0 / 2 | 0 / 0 | 2 / 2 | / | 0 | 19 / 26 | 73 |
| KENYA | | / | / | / | / 4 | 1 | , 2 | | | / | / ₁ | / | 0 / 12 | 0 |
| TOTAL* | 1281 | 1110 | 962 / 1985 | 986 / 2254 | 920 | 768 / 3302 | 768 / 3361 | 590 / 2821 | 599 / 2280 | 905 | 1038 | 750 / 1557 | 10677 | 34 |
| % CONTAINED | 45 | 47 | 48 | 44 | 28 | 23 | 23 | 21 | 26 | 29 | 46 | 48 | 34 | |

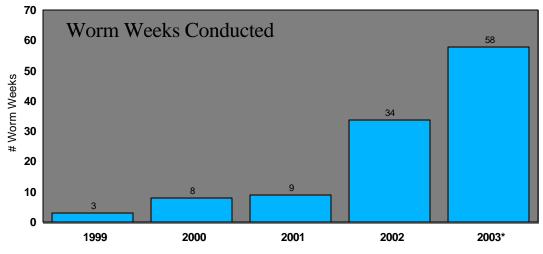
^{*} PROVISIONAL

Shaded cells denote months when zero indigenous cases were reported. Numbers indicate how many imported cases were reported and contained that month. For other imported cases see table of imported cases by month and by country.









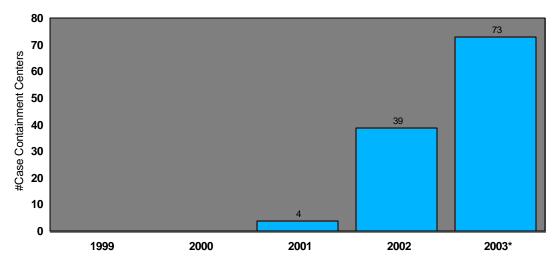


Table 3

Number of cases contained and number reported by month during 2004*

(Countries arranged in descending order of cases in 2003)

| COUNTRIES REPORTING CASES | NUMBER OF CASES CONTAINED / NUMBER OF CASES REPORTED | | | | | | | | | | | | % | |
|---------------------------------|--|----------|-------|-------|-------|-------|-------|--------|-----------|---------|----------|----------|------------------|-------|
| | JANUARY | FEBRUARY | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPTEMBER | OCTOBER | NOVEMBER | DECEMBER | TOTAL* | CONT. |
| SUDAN | / | / | / | / | / | / | / | / | / | / | / | / | 0 / 0 | |
| GHANA | 473 / 1211 | / | / | / | / | / | / | / | / | / | / | / | 473 / 1211 | 39 |
| NIGERIA | 81 / 101 | / | / | / | / | / | 1 | / | / | / | / | / | 81 / 101 | 80 |
| MALI | 1 / 1 | / | / | / | / | / | / | / | / | / | / | / | 1 / 1 | |
| TOGO | 36 / 46 | 1 | / | 1 | / | 1 | / | / | / | / | / | / | 36 / 46 | 78 |
| NIGER | 1 / 1 | / | / | / | / | / | / | / | / | / | / | / | 1 / 1 | 100 |
| BURKINA FASO | | / | / | / | / | / | / | / | / | / | / | / | 1 / 1 | 100 |
| COTE D'IVOIRE | 2 / 2 | / | / | / | / | / | / | / | / | / | / | / | 2 / 2 | 100 |
| BENIN | 0 / 0 | / | / | / | / | / | / | / | / | / | / | / | 0 / 0 | |
| ETHIOPIA | | / | / | / | / | / | / | / | / | / | / | / | 0 / 0 | |
| UGANDA | | / | / | / | / | / | / | / | / | / | / | / | 0 / 0 | |
| MAURITANIA | / | / | / | / | / | / | 1 | / | / | / | / | / | 0 / 0 | |
| TOTAL* | 595 | 0 / 0 | 0 / 0 | 0 / 0 | 0 / 0 | 0 / 0 | 0 / 0 | 0 / 0 | 0 / 0 | 0 / 0 | 0 / 0 | 0 / 0 | 595 / 1363 | 44 |
| % CONTAINED | 44 | | | | | | | | | | | | | |

^{*} PROVISIONAL

Shaded cells denote months when zero indigenous cases were reported. Numbers indicate how many imported cases were reported and contained that month.

BURKINA FASO'S GUINEA WORM ERADICATION PROGRAM MEASURABLE OBJECTIVES 2004

- Detect 100% of all of Guinea Worm Disease (GWD) in Burkina Faso [now 100%]
- Contain 100% of GW cases of GWD in known endemic localities [now 60%]
- Admit 75% of cases of GWD containment centers (where available) within 24 hours of emergence of the worm [now 57%]
- Cross-notify 100% of imported cases of GWD upon receiving information at the district and the national level (either domestically or internationally imported cases) [now 100%]
- Ensure 100% household filter coverage in all endemic villages before the peak transmission season [now 100%]
- Train (and re-train when necessary) community health workers in endemic and under-surveillance villages
- Ensure 100% of regional and district health teams include GWD surveillance activities in their yearly action plans and carry out active surveillance activities [now 60% for the whole country]
- Construct 35 new pumps in endemic villages [by end of 2003 = 24 pumps]
- Apply ABATE[®] larvicide on a timely basis to 100% of treatable drinking water sources [now 100%]
- Ensure that 100% of endemic villages benefit from health education activities during the peak of transmission season (national TV /radio, local radio) [now media are not used regularly]
- Create and distribute two educational films on GWD and community mobilization [no educational films currently in use]
- Conduct Guinea Worm Weeks in the four most endemic districts [9 Worm Weeks conducted in 2003]
- Officially investigate and document 100% of rumors about alleged cases of GWD. [now 75%]

NIGERIA'S GUINEA WORM ERADICATION PROGRAM MEASURABLE OBJECTIVES 2004

- Detect 100% of all Guinea Worm cases within 24 hours of the emergence of the Guinea worm. [No data]
- Contain 100% of all cases of GWD [now 74%]
- Admit 80% of all cases of GWD to case containment centers (CCCs) within 24 hours. [now 43%]
- Contain all cases admitted to CCCs. [now 73%]
- Obtain 100% of monthly reports from all endemic villages (EVs) on time. [now 100%]
- Investigate the origin of all imported cases of GWD. [now 85%]
- Provide filters to 100% of households in every endemic village (EV). [now 95%]
- Monitor the status of safe water monthly in the top 100 endemic villages (20 top EVs per Zone). [now 86%]
- Conduct spot checks for copepods after ABATE® larvicide treatments in the top 100 EVs where ABATE is used. [now None]
- Conduct Worm Weeks in highest endemic districts (LGAs) at least once annually. [now 67%]
- Conduct health education in schools of top 100 Evs. [No data]
- Disseminate GW messages via radio twice per week during peak transmission season in endemic districts (LGAs). [No data]

NEWS FROM THE WORLD HEALTH ORGANIZATION



The Gambia. At the request of the International Commission for Certification of Dracunculiasis Eradication (ICDDE), a WHO team visited The Gambia from 13 to 19 October 2003 to assess whether transmission of dracunculiasis occurs in this country. A total of 26 villages, representing various parts of the country, were selected, visited, and 157 persons were interviewed. The report of this assessment will be presented to the ICCDE during its March 9-11, 2004 meeting in Geneva.

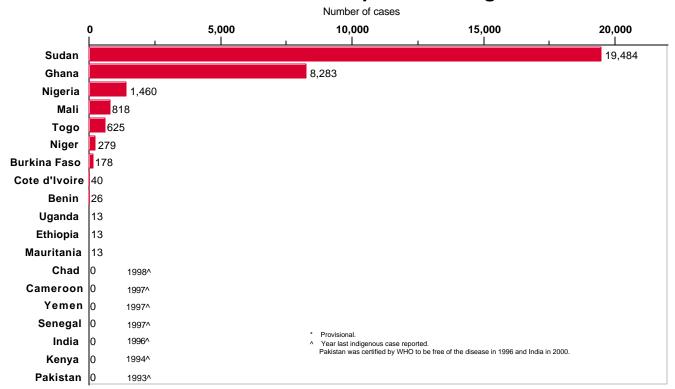
Senegal. An International Certification Team (ICT) commissioned by WHO visited Senegal from 19 October to 2 November 2003 to ascertain the interruption of transmission of dracunculiasis, and prepare a report for review by the ICCDE at it next meeting. The ICT visited areas which were recently endemic along the Falemé river as well as the area

RECENT PUBLICATIONS

Greenway C, 2004. Dracunculiasis (guinea worm disease). Canadian Med Assoc J.; 170(4):495-500.

Figure 5

Distribution by Country of 31,232 Indigenous Cases of Dracunculiasis Reported during 2003*



For information about the GW Wrap-Up, contact Dr. James H. Maguire, 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: 770-488-7761. The GW Wrap-.,a2T4F