

(Countries arranged in descending order of cases in 2014)														
COUNTRIES	NUMBER OF CASES CONTAINED / NUMBER OF CASES REPORTED													
WITH ENDEMIC	NUMBER OF CASES CONTAINED / NUMBER OF CASES REFORTED													
TRANSMISSION	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL*	
SOUTH SUDAN	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	/	/	/	/	/	/	/	0/0	0
MALI [§]	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	/	/	/	/	/	/	/	0/0	0
CHAD	0 / 0	0/1	0 / 2	0/1	0 / 0	/	/	/	/	/	/	/	0/4	0
ETHIOPIA	0/0	0 / 0	0 / 0	0 / 0	1/1	/	/	/	/	/	/	/	1/1	100
TOTAL*	0 / 0	0 / 1	0 / 2	0/1	1/1	0 / 0	0 / 0	0 / 0	0 / 0	0/0	0 / 0	0/0	1/5	20
% CONTAINED													20	

Number of Reported Cases of Guinea Worm Disease Contained and Number Reported by Month during 2015* (Countries arranged in descending order of cases in 2014)

*Provisional

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL*	
SOUTH SUDAN	0 / 0	0 / 0	3/3	3/4	3/4	6 / 8	13 / 22	14 / 21	4/5	1/3	0/0	0 / 0	47 / 70	67
CHAD	1/1	1/1	1/1	1/1	0 / 1	0 / 1	1/3	0/1	1/1	0 / 0	1/1	1/1	8 / 13	62
MALI [§]	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	1/1	14 / 18	12 / 13	8/8	0 / 0	35 / 40	88
ETHIOPIA	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	2 / 2	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0/1	2/3	67
TOTAL*	1/1	1/1	4/4	4/5	3 / 5	8 / 11	14/25	15/23	19 / 24	13 / 16	9 <u>7</u> 9	1/2	92 / 126	73
% CONTAINED		100									100		73	

Cells shaded in yellow denote months when transmission of GWD from one or more cases was not contained.

Table 1

ICCDE WARNS CHAD, ETHIOPIA, MALI AND SOUTH SUDAN: START PREPARING FOR STRICTER CERTIFICATION PROCESSES NOW

As the world moves closer to complete interruption of transmission of Guinea worm disease (Figure 2, Table 1), in his remarks to participants at the Informal Meeting for Guinea worm-affected countries during this year's World Health Assembly in Geneva, Prof. David Molyneaux member of the International Commission for the Certification of Dracunculiasis Eradication (ICCDE), reminded representatives of the four remaining endemic countries (Chad, EthioMali, South Sudan) that they will need to meet a higher standard in general, and regarding surveillance in particular, in order to be certified as free of Guinea worm disease by IDEDE. The senior representatives of the four countries at the meeting were Honorable Mr. Ngueadoum Assencetary of State for Health, Chad), Honorable Dr. Kesetebirhane Birha Menister of Health, Ethiopia), Honorable Mr. Ousmane Kon Minister of Health, Mali), and Honorable Dr. Makur Kariom (Undersecretary, Ministry of Health, South Sudan). Approximately 100 persons, including WHO Director General Dr. Margaret ChaWHO Deputy Director Dr. Asamoah Baah WHO Assistant Director General Dr. Hiroshi Nakataanid ICCDE member Prof. Robert Guiguemdeparticipated in the meeting, which heard technical overviews presented by Mr. Craig Withersof The Carter Center and Dr. Dieudonne Sankarta/HO. Dr. Matshidiso Moeti, director of WHO's Regional Office for Africa, chaired the meeting.

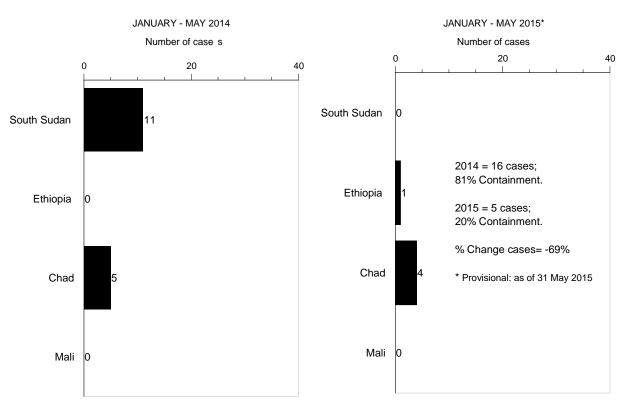


Figure 2

REPORTED CASES OF DRACUNCULIASIS BY COUNTRY DURING JANUARY - MAY 2014 and 2015*

The three main criteria for certification offracunculiasis elimination, established by the ICCDE, are: 1) evidence of absence of transmission of the disease, 2) evidence of a functional country-wide surveillance system, and 3) no risk of re-establishment of local transmission from any imported case. Whether the country meets these criteria must be verified by an independent evaluation, by the visit of an International Certification Team (ICT), and by ICCDE review of documents submitted to it by the ministry of health (especially a thorough Country Report about the national eradication campaign), the evaluation team, and the ICT. Beginning these preparations now is urgent for the four remaining endemic countries, because of the extensive time and effort required to assemble the required documentation, especially the records of surveillance, case investigation, and assessment of rumors of cases at local, rebiandanational levels, and to properly preserve and organize those records for inspection by the evaluation team, the ICT and the ICCDE. As an example of the level of detail alreader wired of Ghana, which was certified by the ICCDE at its Tenth Meeting in January 2015, the Table of Contents of its Country Report on Dracunculiasis Eradication that Ghana submitted to the ICCDE in May 2014 is reproduced below (Figure 3). Those countries that already a national Certification Committee (i.e., Ethiopia, Mali) are advised to put them to work, and those countries which do not yet have a functional Certification Committee (i.e., Chad, South Sudan) should appoint one soon.

Figure 3

COUNTRY REPORT ON DRACNCULIASIS ERADICATION GHANA

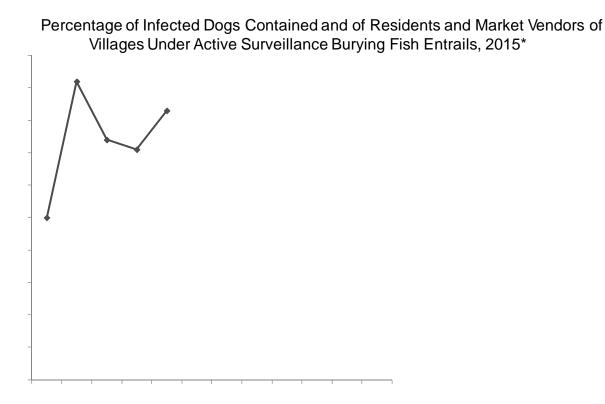
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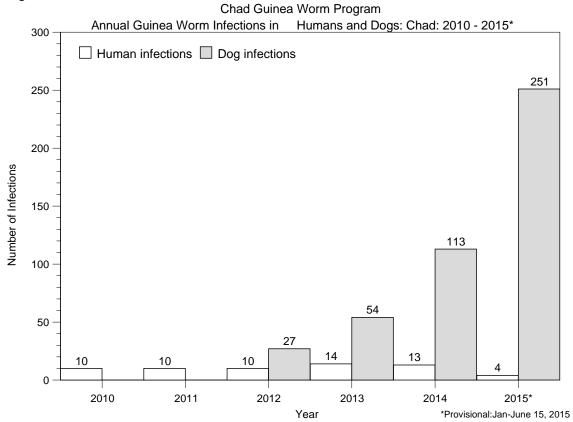
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contained because the worm was already emerginghen he was brought to the health center, although he reportedly did not contaminate a water source. None of the four GW patients detected in Chad so far in 2015 were contained.

Figure 4







	Name	1= VAS 2= VNA	S					(Yes, No, or Pending)	If no, date of Abate Rx		Name	1= VAS	2= VNAS	(Yes or No)	Name	(Yes or No)	Actions?
1.1	Mourgoum	2	Dourbali	Chari Baguirmi	13	М	19-Feb-15	No	-	2	Mourgoum		2	No		No	Contaminated flowing water
2.1	Marabe I	2	Kyabe	Moyen Chari	8	F	7-Mar-15	No	-	2	Marabe I		2	No	-	No	Did not contaminate water
2.2							24-Mar-15										
2.3							13-Apr-15										
3.1	Diganali																

ETHIOPIA: A LONG STRUGGLE JUST GOT LONGER

The Ethiopia Dracunculiasis Eradication Program (EDEP) has reported a case of GWD in a 25 year old male Anuak fisherman and hunter who resides in the village of Gutok in the Gop fishing area of Terkudi kebele of Abobo district in Gambella Region. The patiennas detected and admitted to a case containment center in Abobo district on 27 May, the same day that his worm

began emerging during controlled immersion. The exact source of his infection is uncertain, but he has a history of travel in a known endemic area (as of 10-14 months ago) of Gog district as well as a known endemic area (atswof years ago) of Abobo district. Abate has been applied in all associated surface water sources except a large lake. Abate application also continued in April and May in water source Gog district associated with Wichini, Atheti, Ablen and Bator villages, where cases were reported in 2014. One new district

Ma95.7y.

BLISHES NAT

DEFINITIONS

<u>A case of Guinea worm disease is a person exhibiting a skin lesion with emergence of a Guinea worm, ideally with laboratory confirmation</u>. That person is counted as a case only once during the calendar year, i.e., when the first Guinea worm emerged from that person. All worm specimens should be obtained from each case-patient for laboratory confirmation and sent to CDC All cases should be monitored at least twice per month during the remainder of the calendar year for prompt detection of possible additional Guinea worms.

<u>A rumor</u> is defined as any information about a possible case of GWD.

<u>A suspec</u>tis a person exhibiting sign and symptoms compatible with GWD, i.e., localized or generalized itching and/or a swelling, a painful blister, and/or a skin lesion but no visible Guinea worm.

Endemic village a village with one or more active indigenous cases during the previous and/or current year.

<u>Chad:</u> Given the special circumstances in Chad, the 2014 GWEP Review meeting established a new description and definition. Instead of using "endemic" to denote affected villages in Chad, the GWEP will use "1+ case village"village with one or more indigenous cases and/or imported case of Guinea worm infection in a human, dog and/or cat, in the current calendar year and/or the previous year. These 1+ case villages require immediate interventions to interrupt or preventansmission. These 1+ case villages are also called "priority villages."

<u>Revised Criteria For A Contained Case</u>: A case of Guinea worm disease is contained if all of the following conditions are met:

- 1. The patient is detected before or within 24 hours of worm emergemente,
- 2. The patient has not entered any water source since the worm enaemoded,
- The village volunteer has properly managed the case, by cleaning and bandaging until the worm is fully removed, and by giving health education to discourage the patient from contami3se9.6(na-o TD awater source)5.7 (iftwoe or more Guineewormns are pr send, that

- o Level I surveillance is implemented in communities with endemic transmission within the <u>endemic districts</u> Multiple searches for cases are conducted each week, usually household-by-household by village volunteers or other GWEP staff in all inhabited places (camps, hamlets, villages) with the aim of detecting cases within 24 hours of the worm's emergence from the skin and immediately implementing control interventions to prevent the patient transmitting the infection to others. Information about the cash reward is disseminated to all residents constantly, by word of mouth and using all other available infrastructures. Levels of awareness are monitored monthly. All rumors are investigated within 24 hours, the outcome of investigations reported and documented, and rumor reporting rates monitored monthly.
- o Level II surveillance is implemented in roomunities in <u>non-endemic districts at high</u> risk of imported cases (adjacent to endemic districts or share water sources, migration routes, etc.). Outreach and intensive dissemination of information to residents about the cash reward for reporting cases of GWD (via supervisors, village informants, health workers, community leaders, radio, etand monthly assessments of the level of reward awareness are conducted. All rumors are investigated within 24 hours, the outcome of investigations reported and documented, and rumor reporting rates monitored monthly.
- Level III surveillance is implemented in all other communities in non-endemic districts not at high riskof importation of cases. Dissemination of information to residents about the cash reward is deliveriadall available infrastructures, including monthly monitoring of levels of awareness. All rumors are investigated within 24 hours, the outcome of investigations reported and documented, and rumor reporting rates monitored monthly.
- o All three levels of surveillance also include redundant surveillance via special surveys in schools, markets, villages, evaluate indicated, and use of other ongoing outreach activities such as polio immunization days, mass drug administration campaigns, etc. Ministries of health are encouraged to train staff from neglected tropical diseases control/elimination programs about GWD, cash rewards, investigations of rumor and reporting protocols.
- o Once transmission is interrupted (12-14 months after report of the last indigenous case) the risk of importation of cases recetuto zero and all communities nationwide default to Level III surveillance until the country is certified free of GWD transmission.

RECENT PUBLICATIONS

Eberhard, ML; et al. 2015 Thirty-Seven Human Cases of Sparganosis from Ethiopia and South Sudan Caused by Spiromet<u>ra. Am J Trop Med</u>. H3/g1476-1645.

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

Note to contributors:

Submit your contributions via email to Dr. Sharon Roy (gwwrapup@cdc.gov) or to Dr. Ernesto Ruiz-Tiben (eruizti@emory.edu), by the end of the month for publication in the following month's issue. Contributors to this issue were: the national Guinea Worm Eraidina Programs, Drs. Donald R. Hopkins and Ernesto Ruiz-Tiben of The Carter Center, Drs. as no Mark Eberhard of CDC abd. Dieudonné Sankara of WHO

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