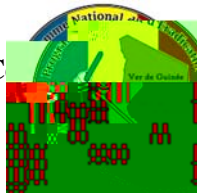


Memorandum

**Date:** March 9, 2020  
**From:** WHO Collaborating Center for Dracunculiasis Eradication, CDC  
**Subject:** GUINEA WORM WRAP-UP #266  
**To:** Addressees

*“Hope is not an intervention.”*  
Donald R. Hopkins

**CHAD’S GWEP HOLDS 8<sup>TH</sup> ANNUAL IN-COUNTRY PROGRAM REVIEW**



GWEP. Carter Center, Chad’s eradication, and the Ministry  
President Dr. Dean Sienko and

World Health Organization (WHO)  
Robert Zirimwabagabo, Ms. Sarah Yerian, and Ms. Karmen

Unterwegner of The Carter Center, Dr. Dieudonne Sankara and Dr Andrew Seidu Korkor of WHO, Dr. Sarah Guagliardo of the Centers for Disease Control and Prevention, and researcher Dr. Chris Cleveland of the University of Georgia/USA.

According to provisional data presented at the meeting by GWEP National Program Coordinator Dr. Tchindebet Ouakou, Chad reported 1,935 dogs with Guinea worm infections (77% contained) in 421 villages in 2019, which is an increase of 86% in infected dogs and a 28% increase in villages with dog infections compared to the 1,040 infected dogs in 328 villages in 2018. Chad also reported 48 human cases of Guinea worm disease (54% contained) in 25 villages and 47 infected cats (51% contained) in 39 villages in 2019, compared to 17 human cases and 25 infected cats in 2018. A total of 444 villages had one or more GW infections in a human and/or animal in 2019. Ninety-six percent (96%) of the infected dogs in 2019 occurred in only three of Chad’s 23 provinces: Moyen Chari (855; 44%), Chari Baguirmi (758; 39%), and Mayo Kebbi Est (252; 13%). Guelendeng district reported 243 of Mayo Kebbi Est’s 252 infected dogs and 16 (34%) of all Chad’s infected cats. Twenty (43%) of the human cases were detected in or associated with the village of Bogam in Salamat Province.

The CGWEP increased the number of villages under active surveillance from 1,895 in 2018 to 2,211 in 2019. The numbers of rumors of human Guinea worm cases rose from 19,506 in 2018 to 46,288 in 2019 (98% investigated within 24 hours), while rumors of animals with Guinea worm infections almost quadrupled from 16,616 in 2018 to 61,154 in 2019. Among 2,815 persons queried in 2019, awareness of the cash reward for reporting a human case was reported as 53% and awareness of the reward for reporting an infected animal was 45%.

8QOLNH PRVW KXPDCHEXILQHDV ZRUBKIDGIDZIKLFDKQOUEHOSRYHG WR  
LQJHVWLQJ \*XLQHD ZRUP ODUYDH LIQDOZ RSUBREIO\ FRBNGLDV  
ZRUP RXWEUHDN DQDVQV%RWDBWYIEHQDUHVIXOWSBGLURP FRQVXI  
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RI \*XLQHD ZRUP GLVHDWRXQFH RKNVHHUGUFXQDLQV ZLWK \*XLQHD

Table 1

## Chad Guinea Worm Eradication Program: GWEP Line Listing of Confirmed Cases: Year 2019\*

Case #	Age	Sex	Ethnicity	Occupation	Village of Detection	Zone	District	Region	Date of Detection	Date of Emergence	Contained (yes / no)	Entered water
	33	M	Mbao	Fisherman/Farmer	Ngargue (Quartier Kormada)	Bailli 1	Bailli	CB	1/1/2019	1/1/2019	No	Probable (Abate applied)
	11	M	Sara Kaba	Child berger	Dangala Kanya (Quartier Kibita)	Marabe	Kyabe	MC	1/5/2019	1/5/2019	No	Probable (Abate applied)
	13	M	Sara Kaba	Child	Marabe 2 (Quartier Dilibi)	Marabe	Kyabe	MC	2/11/2019	2/15/2019	Yes	0
	64	F	Sara Kaba	Housewife	Kyabe (Hors zone)	Kyabe	Kyabe	MC	3/24/2019	3/24/2019	No	Probable (Abate applied)
	M	4	Ngambaye	Child	Mourkou	Gonori	Dourbali	CB	4/13/2019	4/16/2019	Yes	0
	19	F	Torom	Housewife	Bogam	Liwi	Aboudeia	SLM	4/12/2019	4/19/2019	No	0
	19	F	Torom	Housewife	Bogam	Liwi	Aboudeia	SLM	6/10/2019	6/23/2019	No	0
	58	M	Sara Goulaye	Farmer	Gassaou/Ndjourou	Kiao	Bouso	CB	4/23/2019	4/23/2019	Yes	0
	58	M	Sara Goulaye	Farmer	Gassaou/Ndjourou	Kiao	Bouso	CB	4/23/2019	4/23/2019	Yes	0
	58	M	Sara Goulaye	Farmer	Gassaou/Ndjourou	Kiao	Bouso	CB	4/23/2019	4/23/2019	Yes	0
	58	M	Sara Goulaye	Farmer	Gassaou/Ndjourou	Kiao	Bouso	CB	4/23/2019	4/23/2019	Yes	0
	24	F	Torom	Housewife	Bogam	Liwi	Aboudeia	SLM	5/1/2019	5/7/2019	No	0
	9	F	Torom	Child	Bogam	Liwi	Aboudeia	SLM	5/3/2019	5/15/2019	Yes	0
	18	F	Torom	Housewife	Bogam	Liwi	Aboudeia	SLM	5/12/2019	5/15/2019	No	0
	55	M	Torom	Farmer	Liwi	Liwi	Aboudeia	SLM	5/18/2019	5/18/2019	No	0
	30	m	Torom	Farmer	Bogam	Liwi	Aboudeia	SLM	5/17/2019	5/23/2019	Yes	0
	8	F	Torom	Child	Bogam	Liwi	Aboudeia	SLM	5/23/2019	5/23/2019	Yes	0
	53	M	Torom	Farmer	Tarh	Liwi	Aboudeia	SLM	5/25/2019	5/25/2019	Yes	0
	5	F	Torom	Child	Bogam	Liwi	Aboudeia	SLM	5/17/2019	5/25/2019	Yes	0
	50	m	Rachid	Farmer	Amhabile	Am habile	Aboudeia	SLM	5/26/2019	5/31/2019	Yes	0
	15	M	Torom	Farmer	Bogam	Liwi	Aboudeia	SLM	6/5/2019	6/5/2019	Yes	0
	44	m	Boua	Farmer	Mama	Korbol	Korbol	MC	6/6/2019	6/7/2019	No	Probable (Abate applied)

\* provisional

Case #	Age	Sex	Ethnicity	Occupation	Village of Detection	Zone	District	Region	Date of Detection	Date of Emergence	Contained (yes / no)	Entered water
	6	F	Torom	Child	Bogam	Liwi	Aboudeia	SLM	5/17/2019	6/10/2019	No	
	30	M	Torom	Farmer	Bogam	Liwi	Aboudeia	SLM	5/21/2019	6/10/2019	No	Probable (Abate applied)
	10	M	Torom	Farmer	Bogom	Liwi	Aboudeia	SLM	5/18/2019	6/10/2019		0
	6	F	Sara Kaba /Kouffa	Child	Bemadjirodjo	Kemata	Sarh	MC	6/11/2019	6/11/2019	No	Probable
	35	m	Zahawa Arabe	Farmer	Amhabile	Am habile	Aboudeia	SLM	6/6/2019	6/12/2019	Yes	0
	35	m	Zahawa Arabe	Farmer	Amhabile	Am habile	Aboudeia	SLM	9/22/2019	9/26/2019	No	Probable
	23	F	Torom	Housewife	Bogam	Liwi	Aboudeia	SLM	5/9/2019	6/19/2019	Yes	0
	11	F	SFF \$ 29.2	Torom Child	Bogam	Liwi	Aboudeia	SLM	9/6/2019	9/8/2019		Yes
												0
	70	F	Torom	Housewife	Bogam	Liwi	Aboudeia	SLM	6/28/2019	6/28/2019	Yes	0
	25	M	Mouroum	Fisherman	Boussou	Boussou	Boussou	CB	7/1/2019	7/1/2019	Yes	0
	10	m	Sara Kaba	Child	Marakouya 2	Marabe	Kyabe	MC	7/10/2019	7/10/2019	No	Probable (Abate applied)
	35	M	Sara Kaba	Farmer	Ngondei Centre	Ngondei	Kyabe	MC	7/15/2019	7/15/2019	No	Probable (Abate applied)
	43	M	Torom	Farmer	Bogam	Liwi	Aboudeia	SLM	5/17/2019	7/22/2019	Yes	0
	8	M	Torom	Child	Bogam	Liwi	Aboudeia	SLM	7/17/2019	7/23/2019	Yes	0
	60	M	Kanembou	Fisherman	Naoune	Mangueigne	Haraze	SLM	8/18/2019	8/18/2019	No	
	11	F	Sara Kaba	Child	Tarangara	Maimana	Danamadji	MC	8/21/2019	8/21/2019	Yes	0
	22	M	Arabe	student	Ambissirigne	Ambissirigne	Haraze	SLM	8/17/2019	8/17/2019		
	21 months	M	Sara kaba	Child	Bebita	Kemata	Sarh	MC	8/23/2019	8/23/2019	No	Probable
	20	F	Arabe	Housewife	Amdabri	Gozdjarat	Am Timan	SLM	7/30/2019	8/28/2019	Yes	0
	14	F	Torom	student	Bogam	Liwi	Aboudeia	SLM	8/15/2019	8/28/2019	Yes	0
	14	F	Sara Kaba		Bombi	Boussa	Kyabe	MC	8/30/2019	8/30/2019	No	
	50	F	Sara Kaba	Housewife	Bombi	Boussa	Kyabe	MC	8/30/2019	9/2/2019	Yes	Probable (Abate applied)
	50	F	Sara Kaba	Housewife	Bombi	Boussa	Kyabe	MC	8/30/2019	9/17/2019	No	
	20	F	Rachid	Housewife	Amhabile	Am habile	Aboudeia	SLM	7/30/2019	9/3/2019	No	
	23	M	Sara kaba	Farmer	Kassai	Kassai	Sarh	MC	9/4/2019	9/4/2019	No	Probable
	55	M	Massa	Farmer	Mossio Massa	Bogomoro	Bailli	CB	9/8/2019	9/8/2019	Yes	0
	45	m	Goulaye	Farmer/Fisherman	Walia Miltou	Miltou	Kouno	CB	10/27/2019	11/3/2019	No	Probable
	27	M	Ouaddai	Farmer	Ambissirigne	Ambissirigne	Haraze	SLM	11/21/2019	11/21/2019	No	0

\* provisional

Table 2

**Chad Guinea Worm Eradication Program: GWEP Line Listing of Confirmed Cases: Year 2020\***

Case #	Age	Sex	Ethnicity	Occupation	Village of Detection	Zone	District	Region	Date of Detection	Date of Emergence	Contained (
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## **IN BRIEF**

**Cameroon** has reported a suspect case of Guinea worm disease in a four-year-old Massa girl from the village of Nouldaina in Guere district of Extreme Nord Province. Nouldaina is located on the Logone River opposite the village of Nahaina in Bongor district of Chad's Mayo Kebbi Est Province. The worm emerged from the girl's right ankle on February 12, 2020. The girl's parents, who are farmers, refused to have her isolated in a health center, so she was put under supervision at her home, and her infection is considered

## RECENT PUBLICATIONS

Garrett KB, Box EK, Cleveland CA, Majewska AA, Yabsley MJ, 2020. Dogs and the classic route of Guinea Worm transmission: an evaluation of copepod ingestion. Scientific Reports <https://doi.org/10.1038/s41598-020-58191-4>

World Health Organization, 2020. Monthly report on dracunculiasis cases, January-November, 2019. Wkly Epidemiol Rec 95:47-