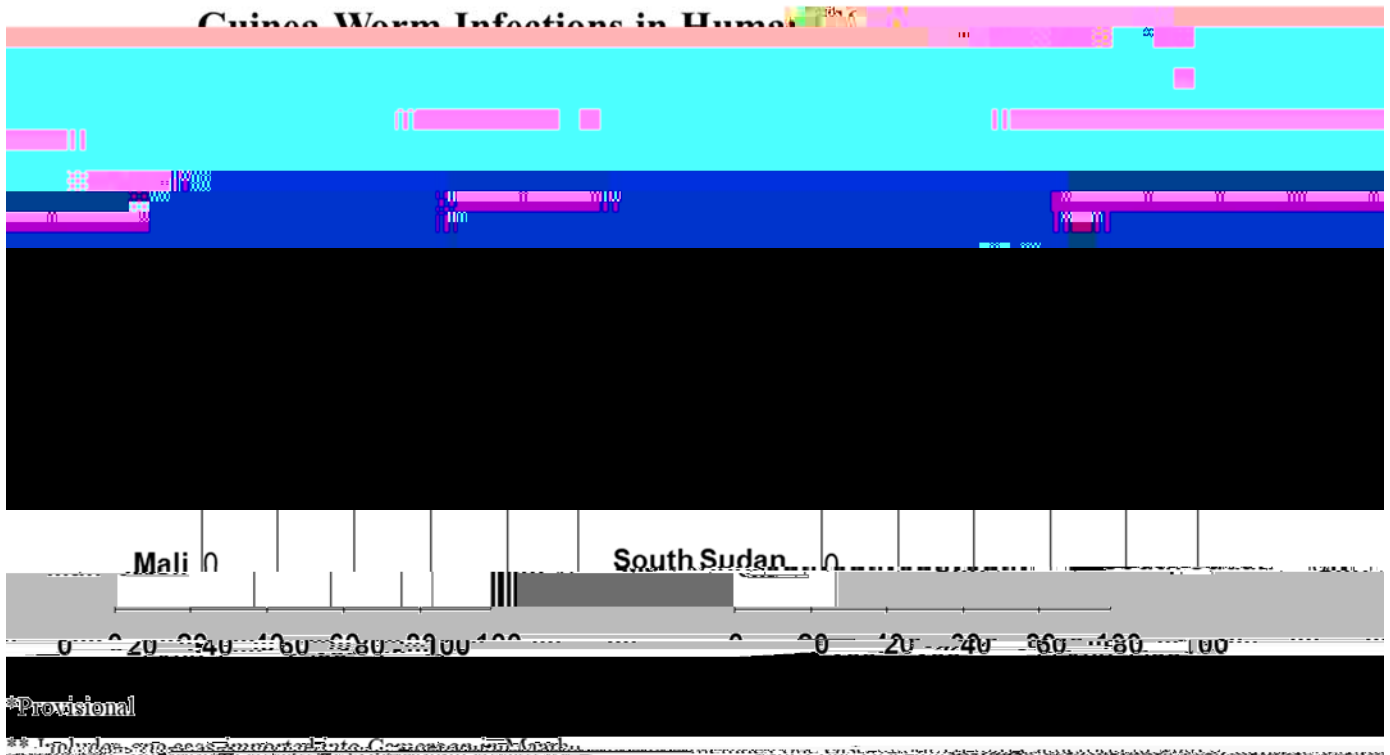


Memorandum

[REDACTED] **Date:** January 13, 2020  
**From:** WHO Collaborating Center for Dracunculiasis Eradication, CDC  
**Subject:** GUINEA WORM WRAP-UP #265  
**To:** Addressees

*"The pain of Guinea worm is worse than childbirth, because it is relentless."*  
 Anguec Kuot Atugo, Mother with Guinea worm disease in Akuyu, South Sudan



**MALI: NO HUMAN GW CASE IN FOUR YEARS!!!!**

As of November 2019, Mali had *reported no case of Guinea worm disease in a human for four consecutive years*. Overall security improved significantly in endemic areas of the country during 2019. Trained indigenous Guinea worm workers are able to conduct surveillance for Guinea worm infections in humans and animals in most endemic areas despite residual pockets of insecurity in parts of Djenne district of Mopti Region and Tominian and Macina districts of Segou Region, but the national team still cannot supervise Tenenkou, Youwarou and Mopti districts of Mopti Region directly. Continued detection of Guinea worm infections in domestic dogs and cats in endemic

areas is one indication of functioning surveillance in most areas of concern. Mali's Guinea Worm Eradication Program reported 9 animals with Guinea worm infections in 2019 (8 dogs, 1 cat), compared to 20 infected animals (18 dogs, 2 cats) in 2018, for a *reduction in animal infections of 55%*. Six of the nine animal infections in 2019 (67%) *were contained* (see line-list in Guinea Worm Wrap-Up #263).

The regional Guinea worm eradication team from Mopti Region visited five health areas (Diafarabe, Dia, Diondiori, Thial, Tenenkou Central) of endemic Tenenkou district in December. They retrained eleven local health workers on application of Abate. They also discussed Guinea worm disease and the cash reward for reporting Guinea worm infections during a training session on nutrition that was supported by UNICEF for all 33 community health workers (*Agents de Sante Communautaires, ASC*) of the district. The *ASC* confirmed the absence of human and animal

## CHAD

Chad has reported 1,927 dogs, 46 cats and 48 humans with Guinea worm infections in January-December 2019 (provisional). This is an increase of 85% in infected animals and 176% in human cases compared to the same period of 2018. A total of 76% of the infected animals and 49% of the 47 confirmed human cases were contained. Table 1 is a line list of the confirmed human cases. Chad's GWEP recently hired Mr. Serge Seiba as consultant for Monitoring and Evaluation. The program held a WHO/Chad GW Task Force meeting on December 5, 2019.

Carter Center GWEP Director Mr. Adam Weiss and Dr. Frank Richards, Mr. Curtis Kohlhaas and Mr. Terry Adamson (Trustee) of The Carter Center attended the annual Reaching the Last Mile forum in Abu Dhabi on November 18-20, 2019 and participated in panel discussions. While attending the Forum, Mr. Weiss and The Carter Center delegation met with Chad's Minister of Health, Prof. Mahmoud Yousouf Khayal and discussed the status of Guinea worm infections of animals and humans in Chad as well as measures underway to eliminate transmission of the infections. The team also met with Prince Alwaleed bin Talal Al Saud and Princess Lamia Al Saud from Alwaleed Philanthropies. Acting as President Carter's personal representative, Mr. Adamson met with Crown Prince Mohammed bin Zayed Al Nahyan of Abu Dhabi to thank him for his ongoing leadership in the campaign to eradicate Guinea worm disease.

## SOUTH SUDAN

The South Sudan Guinea Worm Eradication Program (SSGWEP) held its 14th Annual Review at the Palm Africa Hotel in Juba on December 12-13, 2019. National Minister of Health the Honorable Dr. Riek Gai Kok gave an opening speech to more than 120 participants, including State Ministers of Health, Directors General, and State Surveillance Officers from over 15 states. He stated that "those who have survived the [civil] war have a mission to make people's lives better". He also called on the State Ministers of Health to update their parliamentarians on outcomes of the review meeting. SSGWEP Director Mr. Samuel Makoy noted that South Sudan had detected 4 confirmed cases (2 contained) of Guinea worm disease in January-November 2019 in two localities, compared to 10 cases in the same period of 2018. Mr. Adam Weiss, Mr. ?



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
1	33	M	Mbao	Fisher/ Farmer	Ngargue (Quartier Kormada)	Bailli 1	Bailli	CB	01-Jan.-19	01-Jan.-19	No	Probable (Abate applied)
2	11	M	Sara Kaba	Child-shepard	Dangala Kanya (Quartier Kibita)	Marabe	Kyabe	MC	05-Jan.-19	05-Jan.-19	No	Probable (Abate applied)
3	13	M	Sara Kaba	Child	Marabe 2 (Quartier Dilibi)	Marabe	Kyabe	MC	11-Feb.-19	15-Feb.-19	Yes	0
4	64	F	Sara Kaba	Housewife	Kyabe (Hors-zone)	Kyabe	Kyabe	MC	24-Mar-19	24-Mar-19	No	1 (Abate applied)
5	4	M	Ngambaye	Child	Mourkou	Gonori	Dourbali	CB	13-Apr.-19	16-Apr.-19	Yes	0
6.1	19	F	Torom	Housewife	Bogam	Liwi	Aboudeia	SLM	12-Apr.-19	19-Apr.-19	No	0
7.1	58	M	Sara-Goulaye	Farmer	Gassaou/Ndjourou	Kiao	Bouso	CB	23-Apr.-19	23-Apr.-19	Yes	0
7.2	58	M	Sara-Goulaye	Farmer	Gassaou/Ndjourou	Kiao	Bouso	CB	23-Apr.-19	23-Apr.-19	Yes	0
7.3	58	M	Sara-Goulaye	Farmer	Gassaou/Ndjourou	Kiao	Bouso	CB	23-Apr.-19	23-Apr.-19	Yes	0
7.4	58	M	Sara-Goulaye	Farmer	Gassaou/Ndjourou	Kiao	Bouso	CB	23-Apr.-19	23-Apr.-19	Yes	0
8	24	F	Torom	Housewife	Bogam	Liwi	Aboudeia	SLM	1-May-19	7-May-19	No	0
9	50	F	Torom	Housewife	Bogam	Liwi	Aboudeia	SLM	01-mars-19	9-May-19	Yes	0
10	18	M	Rachid	Farmer	Residentiel	Hors Zone	Sarh	MC	10-May-19	10-May-19	No	Probable
11	22	F	Torom	Housewife	Bogam	Liwi	Aboudeia	SLM	4-May-19	12-May-19	Yes	0
12	9	F	Torom	Child	Bogam	Liwi	Aboudeia	SLM	3-May-19	15-May-19	Yes	0
13	55	M	Torom	Farmer	Liwi	Liwi	Aboudeia	SLM	18-May-19	18-May-19	No	0
14	30	M	Torom	Farmer	Bogam	Liwi	Aboudeia	SLM	17-May-19	23-May-19	Yes	0
15	8	F	Torom	Child	Bogam	Liwi	Aboudeia	SLM	23-May-19	23-May-19	Yes	0
16	53	M	Torom	Farmer	Tarh	Liwi	Aboudeia	SLM	25-May-19	25-May-19	Yes	0
17	5	F	Torom	Child	Bogam	Liwi	Aboudeia	SLM	17-May-19	25-May-19	Yes	0
18	50	M	Rachid	Farmer	Amhabile	Am-habile	Aboudeia	SLM	26-May-19	31-May-19	Yes	0
19	15	M	Torom	Farmer	Bogam	Liwi	Aboudeia	SLM	5-Jun-19	5-Jun-19	Yes	0
20	44	M	Boua	Farmer	Mama	Korbol	Korbol	MC	6-Jun-19	7-Jun-19	No	Probable (Abate applied)



Table 2

Number of Laboratory-Confirmed Cases of Guinea Worm Disease, and Number Reported Contained by Month during 2019\* †  
(Countries arranged in descending order of cases in 2018)

COUNTRIES WITH TRANSMISSION OF GUINEA WORMS	NUMBER OF CASES CONTAINED / NUMBER OF CASES REPORTED													% CONT.
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL*	
CHAD †	0 / 2	1 / 1	0 / 2	2 / 3	8 / 13	6 / 10	3 / 6	1 / 5	2 / 4	0 / 0	0 / 2	0 / 0	23 / 48	48%
SOUTH SUDAN	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 1	1 / 1	1 / 2	0 / 0	0 / 0	0 / 0	2 / 4	50%
ANGOLA	0 / 1	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 1	0%
ETHIOPIA	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	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 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0%
TOTAL*	0 / 3	1 / 1	0 / 2	2 / 3	8 / 13	6 / 10	3 / 7	2 / 6	3 / 6	0 / 0	0 / 2	0 / 0	25 / 53	47%
% CONTAINED	0%	100%	0%	67%	62%	60%	0%	33%	50%	100%	0%	100%	47%	

\*Provisional

Cells shaded in black denote months when zero indigenous cases were reported. Numbers indicate how many cases were contained and reported that month.  
Shaded cells denote months when one or more cases of GWD did not meet all case containment standards.

§Reports include Kayesikoro, Segou, Sikasso, and Mopti, Timbuktu and Gao Regions; contingent on security conditions during 2018, the GWEP continued to deploy one technical advisor to Kidal Region to oversee the program.

†Cameroon reported one case in March that was likely infected in Chad.

Number of Laboratory-Confirmed Cases of Guinea Worm Disease, and Number Reported Contained by Month during 2018\*  
(Countries arranged in descending order of cases in 2017)

COUNTRIES WITH TRANSMISSION OF GUINEA WORMS	NUMBER OF CASES CONTAINED / NUMBER OF CASES REPORTED													% CONT.
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL*	
CHAD	1 / 1	1 / 1	1 / 1	0 / 0	1 / 1	0 / 0	1 / 5	1 / 4	0 / 0	0 / 1	0 / 0	1 / 3	7 / 17	41%
ETHIOPIA	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0%
SOUTH SUDAN	0 / 0	0 / 0	0 / 0	0 / 0	0 / 2	0 / 2	1 / 3	1 / 2	1 / 1	0 / 0	0 / 0	0 / 0	3 / 10	30%
MALI §	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0 / 0	0%
ANGOLA^	/	/	/	0 / 1	/	/	/	/	/	/	/	/	0 / 1	0%
TOTAL*	1 / 1	1 / 1	1 / 1	0 / 1	1 / 3	0 / 2	2 / 8	2 / 6	1 / 1	0 / 1	0 / 0	1 / 3	10 / 28	36%
% CONTAINED	100%	100%	100%	0%	33%	0%	25%	33%	100%	0%	100%	33%	36%	

\*Provisional

Cells shaded in black denote months when zero indigenous cases were reported. Numbers indicate how many cases were contained and reported that month.  
Shaded cells denote months when one or more cases of GWD did not meet all case containment standards.

§Reports include Kayes, Koulikoro, Segou, Sikasso, and Mopti, Timbuktu and Gao Regions; contingent on security conditions during 2018, the GWEP continued to deploy one technical advisor to Kidal Region to oversee the program.

^ Investigation of the origin of this case is ongoing. Preliminary outcomes indicate there is no current or historical evidence of human or animal infections in the district of residence.

## **AWARD**

International Commission for the Certification of Dracunculiasis Eradication member Prof. David Molyneux was appointed as Companion to the Most Distinguished Order of Saint Michael and Saint George (CMG) in Queen Elizabeth II's recent New Year's Honors list, for his services to "Controlling Neglected Tropical Diseases". A well-deserved honor! Congratulations Prof. Molyneux!!

## **MEETINGS**

Chad's Guinea Worm Eradication Program will hold its annual Program Review in N'Djamena on January 22-23, 2020.

Mali's Guinea Worm Eradication Program will hold its annual Program Review in Bamako on January 29-30, 2020.

The 24<sup>th</sup> International Review Meeting of Guinea Worm Eradication Program Managers will be convened at The Carter Center in Atlanta, USA on March 16-17, 2020.

The 14<sup>th</sup>