

Reported Cases of Dracunculiasis by Country, 1972 to 2005

Description

Dracunculiasis, or guinea worm disease, is the result of contact with water contaminated with a parasite, and hence directly related to drinking unclean water. A global campaign is under way to eradicate guinea worm. Although the original goal of elimination by the year 2000 has failed, substantial progress continues to be made. We have reported on this disease in *The World's Water 1998–1999* and in *The World's Water 2002–2003*. This update adds the last five years of data and summarizes the successes made in reducing the number of cases and endemic countries. Complete elimination could occur within five to seven years.

Guinea worm cases are reported here by country. Figure DT 15.1 shows reported cases from 1972 to 2005. Comprehensive monitoring began in the late 1980s. By 2005, the number of cases had declined to just 10,674 in twelve countries, down from a peak of nearly a million in the late 1980s in twenty countries. Moreover, nine of the twelve countries that still report the disease have fewer than 200 cases each. The vast majority of cases are in the Sudan and Ghana, with several hundred still reported annually in Mali. The Sudan continues to be racked by a genocidal civil war, limiting the ability of health workers to implement a comprehensive guinea worm detection and prevention program. The total number of cases reported from 1990 to 1996 may not equal the totals obtained by adding the country numbers. In these cases, the World Health Organization (WHO) adjusted totals to reflect estimates for countries not reporting at the time, or reporting by a different system than that used by the WHO.

Limitations

Dracunculiasis cases occur primarily in remote, rural areas. Reporting has improved tremendously in the past decade through implementation of comprehensive monitoring programs, but some cases may still be missed or underreported. Data for early years should be viewed with care, because many national reporting programs were not established before the late 1980s or early 1990s. For some countries, the totals reflect imported cases only. Cameroon, Chad, and Central African Republic have stopped reporting, or report zero cases, but they have yet to be certified as free of the disease—a process that takes several years.

Sources

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- World Health Organization (WHO). 2001. Dracunculiasis global surveillance summary, 2000. *Weekly Epidemiological Record*, 76(18):133–140, May 4, 2001. <http://childinfo.org/eddb/gw/countdata/>
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- Guinea Worm Wrap-Up #142. April 12, 2004. <http://www.cdc.gov/ncidod/dpd/parasites/dracunculiasis/wrapup/word142.pdf>.
- Guinea Worm Wrap-Up #152. April 15, 2005. <http://www.cdc.gov/ncidod/dpd/parasites/dracunculiasis/wrapup/word152.pdf>.
- Guinea Worm Wrap-Up #161. April 10, 2006. <http://www.cdc.gov/ncidod/dpd/parasites/dracunculiasis/wrapup/161.pdf>.

DATA TABLE 15 Reported Dracunculiasis Cases, by Country, 1972 to 2005

Region and Country	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
AFRICA																	
Benin	1,480		820													400	33,962
Burkina Faso	5,822	4,404	4,008	6,277	1,557				2,885	2,694	2,565				1,957	1,266	
Cameroun				251												752	
Central African Republic																	
Chad						172									9	314	
Côte d'Ivoire	4,891	4,654	6,283	4,971	4,656	5,207	6,993		6,712	7,978		2,259	2,573	1,889	1,177	1,272	
Ethiopia																1,370	
Ghana	693	1,606	1,226	4,052	1,421	1,617	1,676		2,703	853	3,413	3,040	4,244	1,467	3,385	2,302	
Kenya															4,501	1,487	
Mali	668	786	737	542	760	1,084			816	777	401	428	5,008	4,072	5,640	435	
Mauritania						127			651	663	903	1,612	1,241	1,291		227	
Niger						2,600	3,000	5,560		1,906	2,113	1,530		1,373		608	
Nigeria	98			1,007					1,693				8,777	5,234	2,821	216,484	
Senegal		334	208	65	137				161					62	128	699	
Sudan														822	132	138	
Togo															399	542	
Uganda																178	
														6,230	4,070	1,960	
ASIA AND THE MIDDLE EAST																	
India																	
Pakistan																	
Yemen																	
Number of countries reporting	6	6	6	6	8	7	6	8	3	11	7	6	6	12	14	12	13
Number of Cases	13,652	11,809	13,282	20,426	12,779	18,037	26,980	8,213	35,839	18,741	51,765	56,519	75,797	57,000	46,043	262,136	781,219

continues

DATA TABLE 15 *continued*

Region and Country	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
AFRICA																	
Benin	7,172	37,414	4,006	4,315	13,887	4,302	2,273	1,472	855	695	492	186	172	181	30	3	1
Burkina Faso	45,004	42,187			11,784	8,281	6,861	6,281	3,241	2,477	2,227	2,184	1,956	1,032	591	203	60
Cameroon	871	742	393	127	72	30	15	17	19	23	8	5	5	3	0	0	0
Central African Republic																nd	nd
Chad															0	0	0
Cote d'Ivoire	1,555	1,360	12,690	156	1,231	640	149	127	25	3	1	3	0	0	0	0	0
Ethiopia	3,565	2,333		303	1,120	1,252	514	3,801	2,794	1,254	1,414	476	297	231	198	42	21
Ghana	179,556	123,793	66,697	33,464	17,918	8,432	8,894	4,877	8,921	5,473	9,027	7,402	4,739	5,611	8,290	7,275	3,981
Kenya	5	6			35	53	23	0	6	7	1	4	8	17	12	7	2
Mali	1,111	884	16,024	12,011	5,581	4,218	2,402	1,099	650	410	290	718	861	829	357	357	659
Mauritania	447	8,036		1,557	3,533	5,029	1,762	562	388	379	255	136	94	42	13	3	0
Niger	288		32,829	500	21,564	18,562	13,821	2,956	3,030	2,700	1,920	1,166	417	248	293	240	183
Nigeria	640,008	394,082	281,937	183,169	75,752	39,774	16,374	12,282	12,590	13,420	13,237	7,869	5,355	3,820	1,459	495	120
Senegal	38	1,341	728	630	195	76	19	4	0	0	0	0	0	0	0	0	0
Sudan			2,447	2,984	53,271	64,608	118,578	43,596	47,977	66,097	54,890	49,471	41,493	20,299	7,266	5,569	
Togo	2,749	3,042	5,118	8,179	10,349	5,044	2,073	1,626	1,762	2,128	1,589	828	1,354	1,502	669	278	73
Uganda	1,309	4,704		126,369	42,852	10,425	4,810	1,455	1,374	1,061	321	96	55	24	26	4	9
ASIA AND THE MIDDLE EAST																	
India	7,881	4,798	2,185	1,081	755	371	60	9	0	0	0	0	0	0	0	0	0
Pakistan	534	160	106	23	2	0	0	0	0	0	0	0	0	0	0	0	0
Yemen						94	82	62	7	0	0	0	0				
Number of countries reporting	15	15	11	15	18	19	20	20	20	20	20	20	17	16	16	16	16
Number of Cases	892,055	623,579	423,326	374,202	221,010	164,977	129,852	152,859	77,863	78,557	96,293	75,223	63,716	54,638	32,193	16,026	10,674

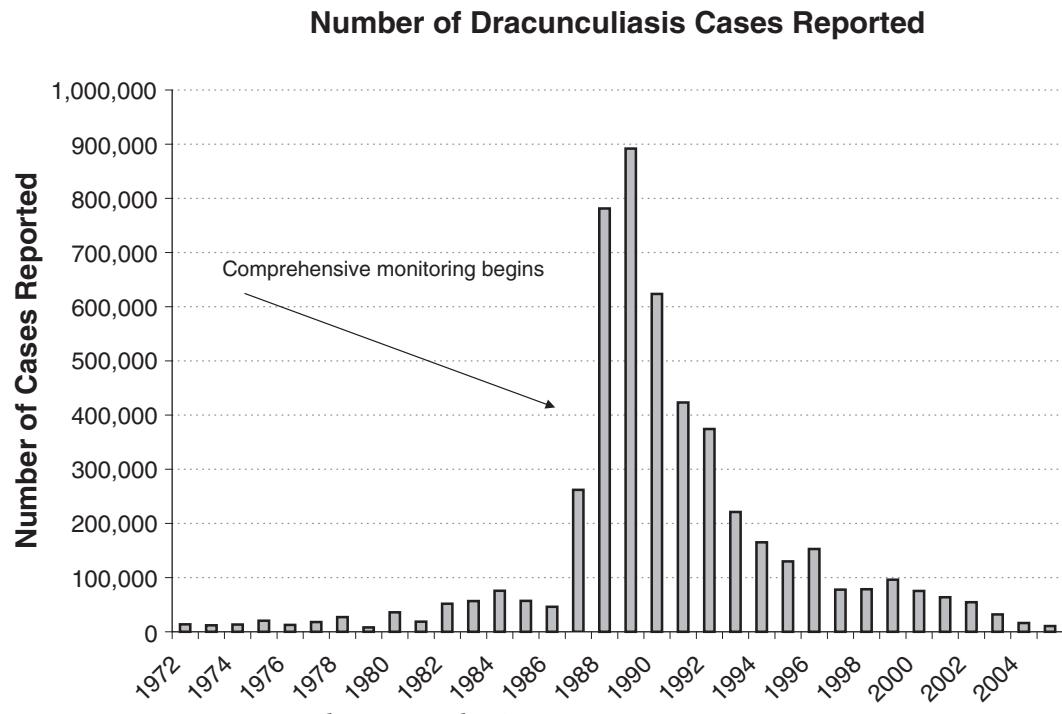


FIGURE DT 15.1 Reported Dracunculiasis cases, 1972-2005.