

Morocco

COUNTRY GENERAL INFORMATION

Total population:	36 910 558
Gender F/M (%):	50.4 / 49.6
Population, age group <15 / ≥ 15 years (%):	27 / 73
Life expectancy at birth (F/M, years):	74 / 72
GDP (PPP int \$):	7 826
Income status:	Lower middle income
Number of 2 nd sub-national administrative level divisions, name:	75, Province

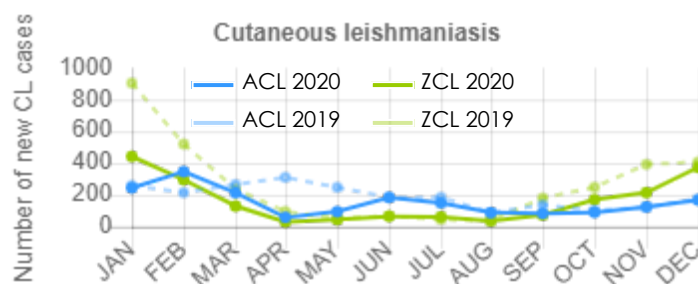
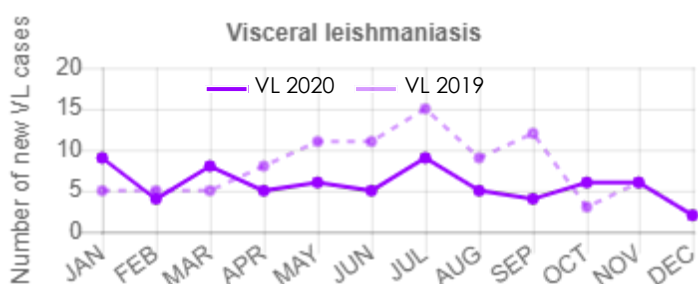
EPIDEMIOLOGY

	VL	ACL	ZCL	MCL
Endemicity status:	Endemic	Endemic	Endemic	Non endemic
Number of new cases (incidence):	67	1841	1933	N/A
Number of relapses: ¹	2	0	0	N/A
Total number of cases:	69	1841	1933	N/A
Imported cases (#, %):	0, 0%	No data	0, 0%	No data
Gender distribution (% F):	51	56	51	N/A
Age group distribution (% , <5 / 5-14 / >14):	82 / 12 / 6	31 / 33 / 35	17 / 33 / 49	N/A
Incidence rate (cases/10 000 population in endemic areas):	0.04	0.97	7.71	N/A
Number of endemic 2 nd sub-national administrative level divisions:	36	40	10	N/A
Population at risk (% , # at risk / total population): ²	44% 16 358 679/ 36 910 558	51% 18 935 152/ 36 910 558	7% 2 507 810/ 36 910 558	N/A
Was there any outbreak?	No	No	No	N/A
Number of new foci: ³	No data	No data	No data	N/A

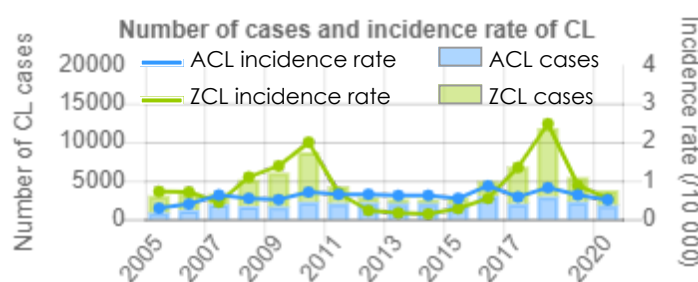
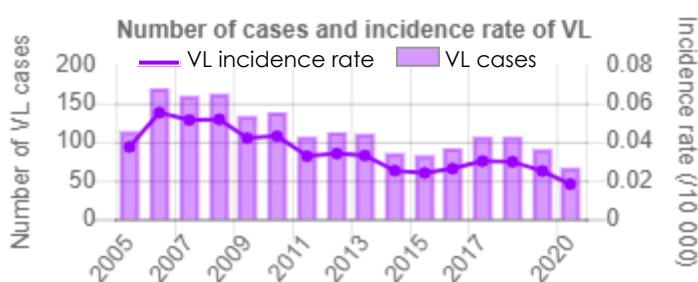
Monthly distribution of new cases (January-December)

2020	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
VL	9	4	8	5	6	5	9	5	4	6	6	2
ACL	244	346	213	59	94	183	149	88	83	90	125	167
ZCL	442	295	129	30	44	65	62	36	73	170	214	373

N/A not applicable; VL = visceral leishmaniasis; ACL = anthroponotic cutaneous leishmaniasis; ZCL = zoonotic cutaneous leishmaniasis; MCL = mucocutaneous leishmaniasis



Number of new cases and Incidence rate/10 000 at the national level from 2005 to 2020

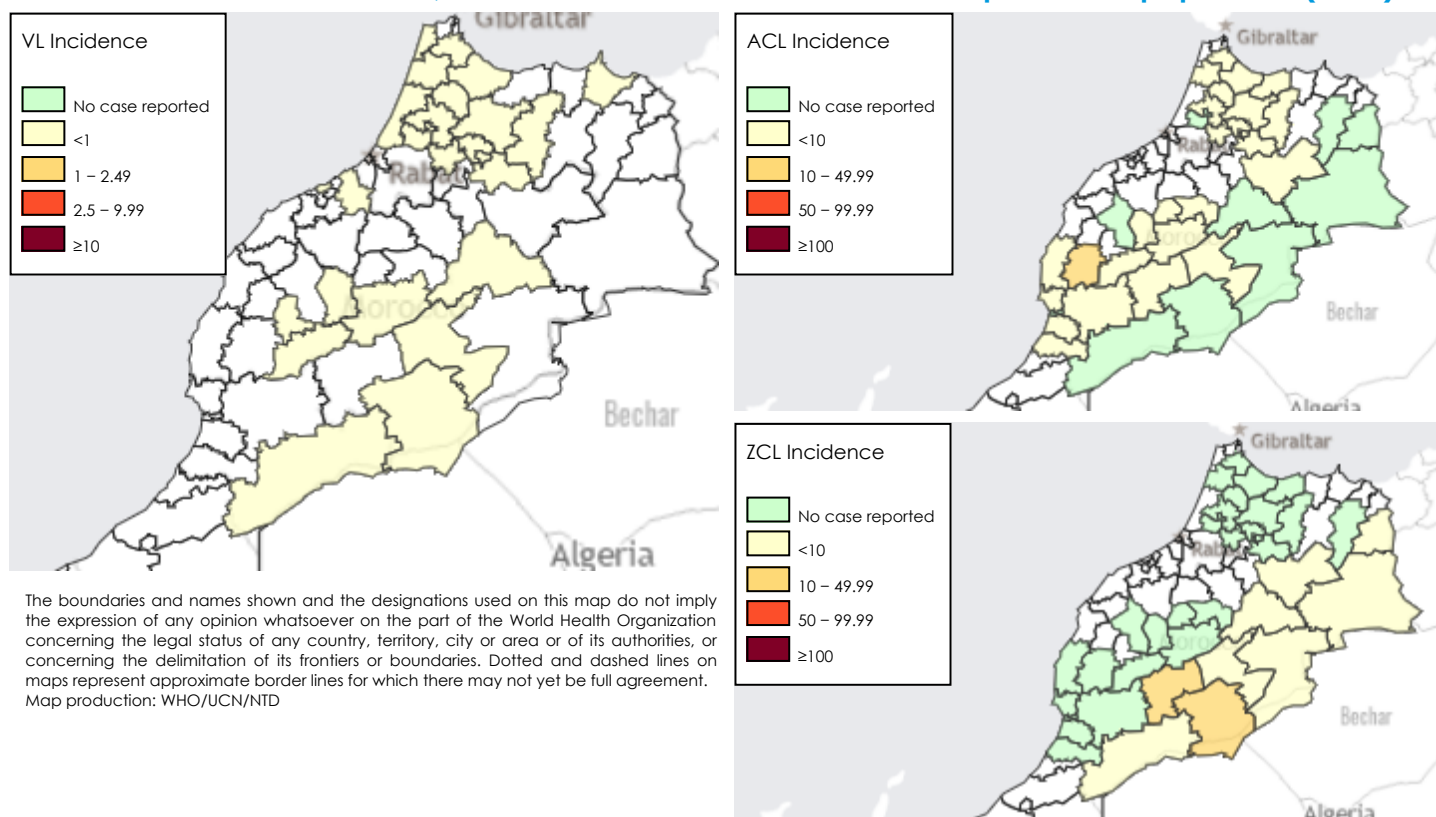


¹Relapse in this country is defined for VL as: "non response 3 weeks after start of treatment" and for CL as: "reappearance of lesion 6 weeks after start of treatment"

²Defined as "Number of people living in 3rd sub-national administrative level endemic areas"

³Defined as "In this reporting period, an area at the 3rd sub-national administrative level reporting cases for the first time ever"

Disease distribution of new VL, ACL and ZCL cases at Province level per 10 000 population (2020)



CONTROL AND SURVEILLANCE

Year Leishmaniasis National Control Programme (LNCP) was established:	1997
Type of surveillance (CL / VL):	Integrated / Integrated
Is there a vector control programme?	Yes
Type of insecticide used for Indoor residual Spraying (IRS):	Pyrethroids
Year latest national guidelines (CL / VL):	2010 / 2010
Is leishmaniasis notifiable (mandatory report)? (CL / VL):	Yes / Yes
Is there a reservoir host control programme?	No data
Number of leishmaniasis health facilities (CL / VL):	No data / No data

DIAGNOSIS

	VL	ACL	ZCL	MCL
Number of people screened actively for:	0	20 938	38 789	N/A
Number of people screened passively for:	No data	2,152	425	N/A
VL cases diagnosed by RDT (% , # RDT+ / new VL cases):	55% (37/67)	N/A	N/A	N/A
Proportion of positive RDT (% , # RDT+ / total RDT):	No data	N/A	N/A	N/A
Cases diagnosed by direct exam (parasitology) (% , # slides + / total cases):	99% (66/67)	82% (1515/1841)	21% (407/1933)	N/A
Proportion of positive slides (% , # slides + / total slides):	No data	70% (1515/2152)	96% (407/425)	N/A
Cases diagnosed clinically (% , # clinical cases / total cases):	1% (1/67)	18% (326/1 841)	79% (1526/1933)	N/A
Percentage of cases with HIV-VL coinfection:	1% (1/67)	N/A	N/A	N/A

N/A not applicable; RDT = rapid diagnostic test; HIV = human immunodeficiency virus

TREATMENT AND MEDICINES

- ▶ Is treatment provided for free in the public sector? (CL / VL): Yes / Yes
- ▶ Antileishmanial medicines included in the National Medicine List: Liposomal amphotericin B, Meglumine antimoniate

INITIAL TREATMENT OUTCOME FOR NEW CASES

	VL	ACL	ZCL
Cases that completed treatment (% , # completed treatment / new cases):	97% (65/67)	30% (545/1841)	16% (307/1933)
Initial cure rate (% , # cases initially cured / new cases):	97% (65/67)	100% (1841/1841)	48% (926/1933)
Failure rate (% , # cases with treatment failure / new cases): ⁴	3% (2/67)	No data	No data
Case fatality rate (% , # cases who died / new cases):	No data	No data	No data

VL = visceral leishmaniasis; ACL = anthroponotic cutaneous leishmaniasis; ZCL = zoonotic cutaneous leishmaniasis; MCL = mucocutaneous leishmaniasis

⁴Failure in this country is defined for VL as: "Persistence of symptoms during the treatment period" and for CL as: "Bad evolution of lesion after 2 weeks of treatment or persistence after 6 weeks of treatment"