

Country Health System Fact Sheet 2006
Sierra Leone

Largest urban agglomeration or Capital city : FREETOWN
Official language: ENGLISH
Surface area (square kms) : 71740
Population density (per square km): 77

DEMOGRAPHIC AND SOCIOECONOMICS STATISTICS ^a			YEARS	SIERRA LEONE	WHO AFRICAN REGION
Population	number	(000)	2005	5 525	738 083
	annual growth rate	(%)	1995–2004	2.6	2.2
	in urban	(%)	2005	40	38
Total fertility rate (per woman)			2004	6.5	5.3
Adolescent fertility proportion		(%)	1977–2002	...	11.7
Adult literacy rate		(%)	2000–2004	29.6	60.1
Net primary school enrolment ratio	Males	(%)	1998–2004	...	70
	Females	(%)		...	63
Gross national income per capita		(PPP Int.\$)	2004	790	2 074
Population living below the poverty line		(% with <\$1a day)	1997–2003	...	44

... Data not available or not applicable.

^a WORLD HEALTH STATISTICS 2006 <http://www.who.int/whosis/en/>

HEALTH STATUS STATISTICS MORTALITY ^a			YEARS	SIERRA LEONE	WHO AFRICAN REGION
Life expectancy at birth (years)	Males		2004	37	47
Life expectancy at birth (years)	Females		2004	40	49
Healthy life expectancy (HALE) at birth (years)	Males		2002	27	40
Healthy life expectancy (HALE) at birth (years)	Females		2002	30	42
Probability of dying per 1 000 population between 15 and 60 years (adult mortality rate)	Males		2004	579	519
	Females		2004	497	465
Probability of dying per 1 000 live births under 5 years (under-5 mortality rate)	Both sexes		2004	283	167
Infant mortality rate (per 1 000 live births)	Both sexes		2004	165	100
Neonatal mortality rate (per 1 000 live births)	Both sexes		2000	56	43
Maternal mortality ratio (per 100 000 live births)	Females		2000	2000	910
Cause-specific mortality rate (per 100 000 population) (Both sexes)	HIV/AIDS		2003	...	313
	TB among HIV-negative people		2004	92	53
	TB among HIV-positive people		2004	13	28
	Non-communicable diseases		2002	1017	800
Age-standardized mortality rate by cause (per 100 000 population) (Both sexes)	Cardio-vascular diseases		2002	515	404
	Cancer		2002	181	144
	Injuries		2002	250	133
	Communicable diseases		2002	86	59
Years of life lost by broader causes (%) (Both sexes)	Non-communicable diseases		2002	6	10
	Injuries		2002	8	8
	Neonatal causes		2000	21.9	26.2
	HIV/AIDS		2000	1.3	6.8
Causes of death among children under 5 years of age (%) (Both sexes)	Diarrhoeal diseases		2000	19.7	16.6
	Measles		2000	5.3	4.3
	Malaria		2000	12.4	17.5
	Pneumonia		2000	25.5	21.1
	Injuries		2000	1.2	1.9
	Other		2000	12.7	5.6

... Data not available or not applicable.

^a WORLD HEALTH STATISTICS 2006 <http://www.who.int/whosis/en/>



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Mortality Country Fact Sheet 2006

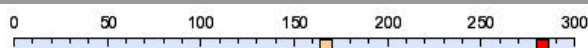
Sierra Leone



Summary	Year	Males	Females	Both sexes
Population (millions)	2005	2.7	2.8	5.5
Life expectancy (years)	2004	37	40	39
Under-5 mortality (per 1 000 live births)	2004	296	269	283
Adult mortality (per 1 000)	2004	579	497	
Maternal mortality (per 100 000 live births)	2000		2000	

Source: World Health Statistics 2006

Under-5 mortality rate (per 1 000 live births) Sierra Leone, 2004



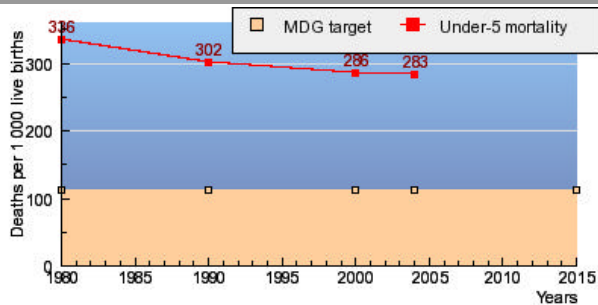
Legend:

- WHO African Region
- Sierra Leone

Source: World Health Statistics 2006

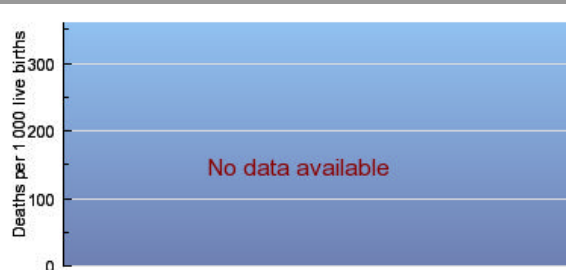
Under-5 mortality

Under-5 mortality: Estimated trend and MDG goal Sierra Leone, 1980-2004



Source: i) WHO mortality database ii) World Health Statistics 2006

Under-5 mortality: Age-specific mortality rates Sierra Leone ,



Source: World Health Report 2005

Under-5 mortality: for highest and lowest quintiles Sierra Leone, DHS

Wealth/assets quintiles	Lowest	Highest	Ratio
	...	...	...
Sex	Males	Females	Ratio
	...	...	...
Urban/Rural	Rural	Urban	Ratio
	...	...	...
Mother's education quintiles	None	Higher	Ratio
	...	...	...

Note: rate per 1 000 live births for 10-year period preceding the survey
Source: DHS

Under-5 mortality rates by wealth quintile Sierra Leone, DHS



Note: rate for 10-year period preceding the survey
Source: DHS



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Causes of death in children under-5

Distribution of causes of death among children under 5 years of age Sierra Leone, 2000-2003			Annual estimated proportions of death by cause for neonates Sierra Leone, 2000		
Causes	Deaths ^b (%)	Regional average (%)	Causes	Deaths ^c (%)	Regional average ^c (%)
Total neonatal deaths	100	100	Total neonatal deaths	100	100
Neonatal causes ^a	22	26	Neonatal tetanus	21	9
HIV/AIDS	1	7	Severe infection ^a	28	27
Diarrhoeal diseases	20	17	Birth asphyxia	17	24
Measles	5	4	Diarrhoeal diseases	4	3
Malaria	12	17	Congenital anomalies	3	6
Pneumonia	25	21	Preterm birth ^b	21	23
Injuries	1	2	Others	5	7
Others	13	6			

a. Includes diarrhoea during neonatal period
b. Sum of individual proportions may not add up to 100% due to rounding.

a. Includes deaths from pneumonia, meningitis, sepsis/septicaemia and other infections during the neonatal period.
b. Includes only deaths directly attributed to prematurity and to specific complications of preterm birth such as surfactant deficiency, but not all deaths in preterm infants.
c. Sum of individual proportions may not equal 100% due to rounding.

Causes of Death

Top ten causes of death, all ages Sierra Leone, 2002				Life expectancy at birth among males (years) Sierra Leone, 2004	
Causes	Deaths (000)	(%)	Years of Life Lost (%)	Life expectancy at birth among females (years) Sierra Leone, 2004	
All causes	131	100	100	Maternal mortality ratio (per 100 000 live births) Sierra Leone, 2000	
Lower respiratory infections	17	13	15	0 500 1000 1500 2000	
Diarrhoeal diseases	12	10	11	Legend:	
Perinatal conditions	12	10	11	WHO African Region	
Malaria	9	7	8	Sierra Leone	
HIV/AIDS	5	4	4	Source: World Health Statistics 2006	
Measles	5	4	5		
Tuberculosis	3	3	2		
Syphilis	3	2	2		
Road traffic accidents	3	2	2		
Cerebrovascular disease	3	2	1		

Source: [Death and DALY estimates by cause, 2002](http://www.who.int/entity/healthinfo/statistics/bodgbddeathdalyestimates.xls)
<http://www.who.int/entity/healthinfo/statistics/bodgbddeathdalyestimates.xls>

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HEALTH STATUS STATISTICS MORBIDITY ^a		YEARS	SIERRA LEONE	WHO AFRICAN REGION
HIV prevalence among adults (15 - 49) (%)	Both sexes	2003	...	7.1
TB prevalence (per 100 000 population)	Both sexes	2004	847	518
TB incidence (per 100 000 population)	Both sexes	2004	443	356
Number of confirmed polio cases	Both sexes	2005	0	854

... Data not available or not applicable.

^a WORLD HEALTH STATISTICS 2006 <http://www.who.int/whosis/en/>

BEHAVIOUR AND ENVIRONMENTAL RISK FACTORS ^a		YEARS	SIERRA LEONE	WHO AFRICAN REGION
Non-communicable diseases - Infobase for the coun See ---> http://www.afro.who.int/dnc/infobase/Sierra_Leone.pdf				
Children under-5 stunted for age (Both sexes) (%)		2000	33.8	...
Children under-5 underweight for age (Both sexes) (%)		2000	27.2	...
Children under-5 overweight for age (Both sexes) (%)		...	...	...
Newborns with low birth weight (Both sexes) (%)		2000-2002	...	14
Adults (≥15) who are obese (%)	Males	...	...	...
	Females	...	...	...
Access to improved water sources (%)	Urban	2002	75	84
	Rural	2002	46	45
Access to improved sanitation (%)	Urban	2002	53	58
	Rural	2002	30	28
Population using solid fuels (%)	Urban	...	...	...
	Rural	...	...	...
Prevalence of current tobacco use (%) Adolescents (13 - 15)	Both sexes	...	...	...
Prevalence of current tobacco use (%) Adults (≥15)	Males	...	...	...
	Females	...	...	...
Condom use by young people (15 - 24) at higher risk sex (%)	Males	...	...	...
	Females	...	...	...

... Data not available or not applicable.

^a WORLD HEALTH STATISTICS 2006 <http://www.who.int/whosis/en/>

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HEALTH SERVICES COVERAGE STATISTICS ^a			YEARS	SIERRA LEONE	WHO AFRICAN REGION
Immunization coverage among 1-year-olds	Measles	(%)	2004	64	66
	DTP3	(%)	2004	61	66
	HepB3	(%)	2004	...	35
Antenatal care coverage	At least 1 visit	(%)	2001	82	...
	At least 4 visits	(%)	2001	68	...
Births attended by skilled health personnel		(%)	2000	42	...
Contraceptive prevalence rate		(%)	2000	4.3	...
Children under-5 sleeping under insecticide-treated nets		(%)	2000	1.5	...
Antiretroviral therapy coverage		(%)	Dec 2005	2	17
TB detection rate under DOTS		(%)	2004	36	48
TB detection treatment success DOTS		(%)	2003 cohort	83	72
Children under-5 with ARI symptoms taken to facility		(%)	...	...	...
Children under-5 with diarrhoea receiving ORT		(%)	...	...	...
Children under-5 with fever who received treatment with any antimalarial		(%)	2000	60.7	...
Children 6-59 months who received vitamin A supplementation		(%)	2002	87.2	...
Births by Caesarean section		(%)	1997	2	...

... Data not available or not applicable.

^a WORLD HEALTH STATISTICS 2006 <http://www.who.int/whosis/en/>

HEALTH SYSTEMS STATISTICS ^a			YEARS	SIERRA LEONE
Physicians	Number		2004	168
	Density		2004	0.03
Nurses	Number		2004	1 841
	Density per 1000		2004	0.36
Midwives	Number		...	...
	Density per 1000		...	...
Dentists	Number		2004	5
	Density per 1000		2004	0.00
Pharmacists	Number		2004	340
	Density per 1000		2004	0.07
Public and environmental health workers	Number		2004	136
	Density per 1000		2004	0.03
Community Health workers	Number		2004	1 227
	Density per 1000		2004	0.24
Lab technicians	Number		...	...
	Density per 1000		...	...
Other health workers	Number		...	...
	Density per 1000		...	...
Health management and support workers	Number		2004	4
	Density per 1000		2004	0.00
Total expenditure on health as % of gross domestic product			2003	3.5
General government expenditure on health as % of total expenditure on health			2003	58.3
Private expenditure on health as % of total expenditure on health			2003	41.7
General government expenditure on health as % of total government expenditure			2003	7.9
External resources for health as % of total expenditure on health			2003	15.5
Social security expenditure on health as % of general government expenditure on health			2003	0.0
Out-of-pocket expenditure as % of private expenditure on health			2003	100.0
Private prepaid plans as % of private expenditure on health			2003	0.0
Per capita total expenditure on health at average exchange rate (US\$)			2003	7
Per capita total expenditure on health at international dollar rate			2003	34
Per capita government expenditure on health at average exchange rate (US\$)			2003	4
Per capita government expenditure on health at international dollar rate			2003	20
Coverage of vital registration of deaths(%)			2002	<25
Hospital beds (per 10 000)			...	...

... Data not available or not applicable.

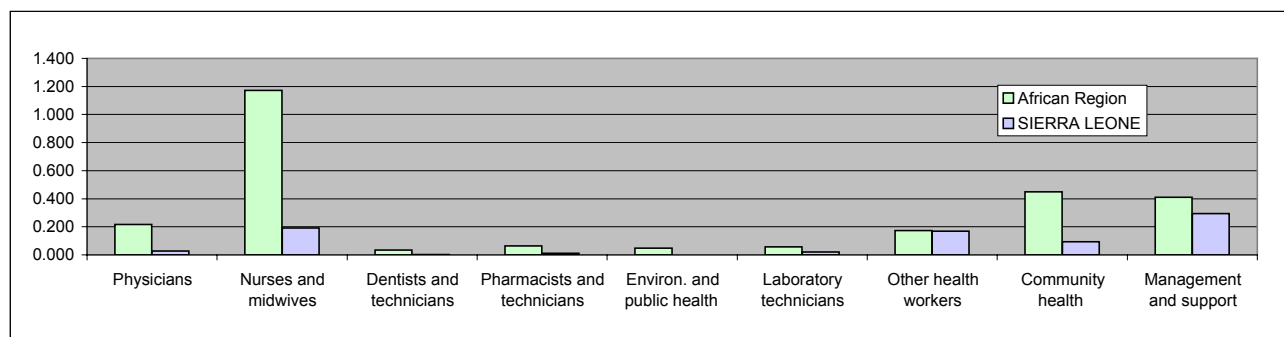
^a WORLD HEALTH STATISTICS 2006 <http://www.who.int/whosis/en/>

HUMAN RESOURCES FOR HEALTH
Country Fact Sheet Sierra Leone

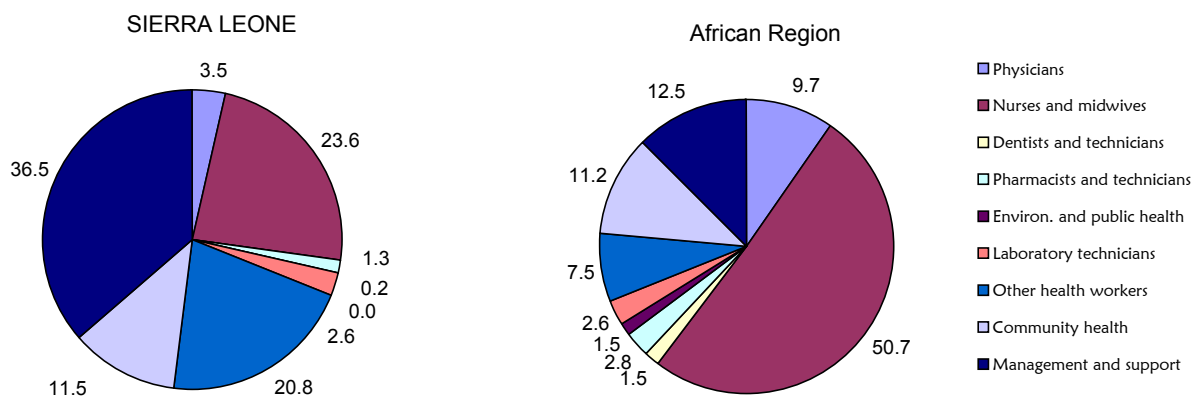
Total numbers and densities of the health workforce in SIERRA LEONE (2002)

	Total number SIERRA LEONE	Density per 1000 SIERRA LEONE	Density per 1000 AFRO
Physicians	168	0.033	0.217
Nurses and midwives	1841	0.356	1.172
Dentists and technicians	5	0.001	0.035
Pharmacists and technicians	340	0.066	0.063
Environmental and public health workers	136	0.026	0.049
Laboratory technicians	n.a.	n.a.	0.057
Other health workers	n.a.	n.a.	0.173
Community health workers	1227	0.237	0.449
Health management and support	4	0.001	0.411
Sum total	3721	0.720	2.626

Densities of health workers in SIERRA LEONE and in the African Region per 1000 population



Distribution of health workforce by cadre



MILLENNIUM DEVELOPMENT GOALS ^a	YEARS	SIERRA LEONE	WHO AFRICAN REGION
GOAL 1: ERADICATE EXTREME POVERTY AND HUNGER			
4. Prevalence of underweight children under five years of age	2000	27.2	26
5. Proportion of population below minimum level of dietary energy consumption	...	...	...
GOAL 4: REDUCE CHILD MORTALITY			
13. Under-five mortality rate (per 1000 live births, %)	1990	323	...
	2003	284	171
	2004	283	167
14. Infant mortality rate (per 1000 live births, %)	1990	190	...
	2003	166	...
	2004	165	100
15. Proportion of one-year-old children immunized against measles, %	2003	73	63
	2004	64	66
GOAL 5: IMPROVE MATERNAL HEALTH			
16. Maternal mortality ratio (per 100 000 live births)	1990	1800	...
	1995	2100	...
	2000	2000	990
	2003	...	...
	2004	...	...
17. Proportion of births attended by skilled health personnel	2000	42	43
GOAL 6: COMBAT HIV/AIDS, MALARIA AND OTHER DISEASES			
18. HIV prevalence among pregnant women aged 15-24	...	...	...
- HIV prevalence among adults (15-49) %, both sexes	2003	...	7.1
19. Condom use rate of the contraceptive prevalence rate	...	...	...
- Contraceptive prevalence rate	2000	4.3	...
20. Number of children orphaned by HIV/AIDS	...	...	...
21. Prevalence rate associated with malaria	...	...	...
- Death rates associated with malaria (per 100 000)	2000	321	...
22. Proportion of population in malaria-risk areas using effective malaria prevention and treatment measures	...	...	...
23. Prevalence rate associated with tuberculosis (per 100 000)	1990	512	317
	2000	573	...
	2004	847	518
- Death rates associated with tuberculosis	1990	57	41
	2000	63	...
	2004	105	81
24. Proportion of tuberculosis cases detected under DOTS	2003	33	50
	2004	36	48
- Proportion of tuberculosis cases cured under DOTS	2002	81	73
	2003	83	72
GOAL 7: ENSURE ENVIRONMENTAL SUSTAINABILITY			
29. Proportion of population using solid fuels	2002	<5	76
30. Proportion of population with sustainable access to improved water source, urban	2002	75	84
- Proportion of population with sustainable access to improved water source, rural	2002	46	45
31. Proportion of urban population with access to improved sanitation	2002	53	58
- Proportion of rural population with access to improved sanitation	2002	30	28
GOAL 8: DEVELOP A GLOBAL PARTNERSHIP FOR DEVELOPMENT			
46. Proportion of population with access to affordable essential drugs on a sustainable basis	...	...	...

... Data not available or not applicable.

^a THE WORLD HEALTH REPORT 2004 UPDATED WITH THE WORLD HEALTH STATISTICS 2006 <http://www.who.int/whosis/en/>

