World Health Organization Africa

Country Health System Fact Sheet 2006
Sao Tome and Principe

Largest urban agglomeration or Capital city : SAO TOME
Official language: FRENCH
Surface area (square kms) : 964
Population density (per square km): 162

DEMOGRAPHIC AND SOCIOECONOMICS STATISTICS [a]			YEARS	SAO TOME AND PRINCIPE	WHO AFRICAN REGION
Population	number	(000)	2005	157	738 083
	annual growth rate	(%)	1995–2004	1.8	2.2
	in urban	(%)	2005	38	38
Total fertility rate (per woman)			2004	3.9	5.3
Adolescent fertility proportion		(%)	1997-2002	...	11.7
Adult literacy rate		(%)	2000–2004	...	60.1
Net primary school enrolment ratio	Males	(%)	1998–2004	100	70
	Females	(%)		94	63
Gross national income per capita		(PPP Int.$)	2003	320	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	SAO TOME AND PRINCIPE	WHO AFRICAN REGION
Life expectancy at birth (years)	Males	2004	57	47
Life expectancy at birth (years)	Females	2004	60	49
Healthy life expectancy (HALE) at birth (years)	Males	2002	54	40
Healthy life expectancy (HALE) at birth (years)	Females	2002	55	42
Probability of dying per 1 000 population between 15 and 60 years (adult mortality rate)	Males	2004	301	519
	Females	2004	236	465
Probability of dying per 1 000 live births under 5 years (under-5 mortality rate)	Both sexes	2004	118	167
Infant mortality rate (per 1 000 live births)	Both sexes	2004	75	100
Neonatal mortality rate (per 1 000 live births)	Both sexes	2000	38	43
Maternal mortality ratio (per 100 000 live births)	Females	2000	...	910
Cause-specific mortality rate (per 100 000 population) (Both sexes)	HIV/AIDS	2003	…	313
	TB among HIV-negative people	2004	28	53
	TB among HIV-positive people	2004	<1	28
Age-standardized mortality rate by cause (per 100 000 population) (Both sexes)	Non-communicable diseases	2002	764	800
	Cardio-vascular diseases	2002	396	404
	Cancer	2002	133	144
	Injuries	2002	87	133
Years of life lost by broader causes (%) (Both sexes)	Communicable diseases	2002	67	59
	Non-communicable diseases	2002	21	10
	Injuries	2002	12	8
Causes of death among children under 5 years of age (%) (Both sexes)	Neonatal causes	2000	32.1	26.2
	HIV/AIDS	2000	3.7	6.8
	Diarrhoeal diseases	2000	16.0	16.6
	Measles	2000	4.8	4.3
	Malaria	2000	0.6	17.5
	Pneumonia	2000	21.2	21.1
	Injuries	2000	3.5	1.9
	Other	2000	18.1	5.6

... Data not available or not applicable.

[a] *WORLD HEALTH STATISTICS 2006 http://www.who.int/whosis/en/*

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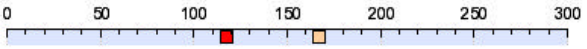
Summary	Year	Males	Females	Both sexes
Population (millions)	2005	.1	.1	.2
Life expectancy (years)	2004	57	60	59
Under-5 mortality (per 1 000 live births)	2004	122	114	118
Adult mortality (per 1 000)	2004	301	236	
Maternal mortality (per 100 000 live births)	...		...	

Source: World Health Statistics 2006

Under-5 mortality rate (per 1 000 live births)
Sao Tome and Principe, 2004



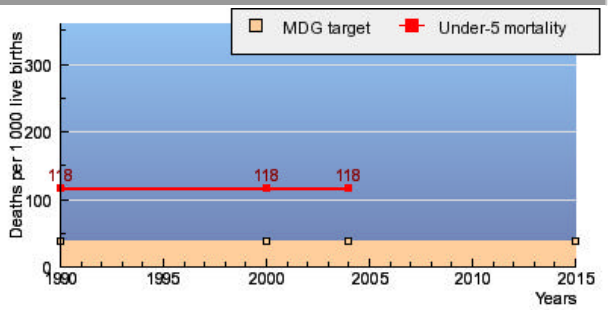
Legend:

- WHO African Region
- Sao Tome and Principe

Source: World Health Statistics 2006

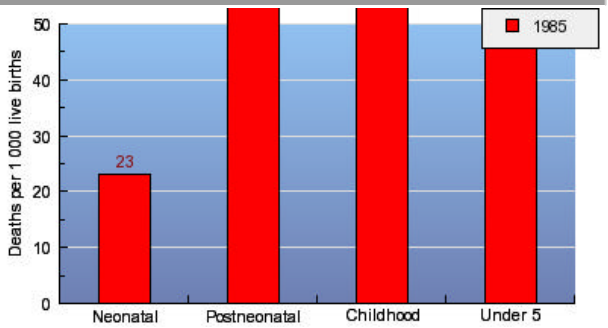
Under-5 mortality

Under-5 mortality: Estimated trend and MDG goal
Sao Tome and Principe, 1990-2004



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

Under-5 mortality: Age-specific mortality rates
Sao Tome and Principe , 1985



Source: World Health Report 2005

Under-5 mortality: for highest and lowest quintiles
Sao Tome and Principe, 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
Sao Tome and Principe, DHS

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

Mortality Country Fact Sheet 2006

World Health Organization

Causes of death in children under-5

Distribution of causes of death among children under 5 years of age Sao Tome and Principe, 2000-2003

Causes	Deaths[b] (%)	Regional average (%)
Total neonatal deaths	100	100
Neonatal causes[a]	32	26
HIV/AIDS	4	7
Diarrhoeal diseases	16	17
Measles	5	4
Malaria	1	17
Pneumonia	21	21
Injuries	3	2
Others	18	6

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

Annual estimated proportions of death by cause for neonates Sao Tome and Principe, 2000

Causes	Deaths[c] (%)	Regional average[c] (%)
Total neonatal deaths	100	100
Neonatal tetanus	2	9
Severe infection[a]	19	27
Birth asphyxia	24	24
Diarrhoeal diseases	2	3
Congenital anomalies	12	6
Preterm birth[b]	35	23
Others	7	7

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 Sao Tome and Principe, 2002

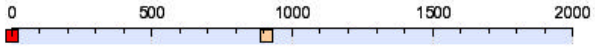
Causes	Deaths (000)	Deaths (%)	Years of Life Lost (%)
All causes	1	100	100
Lower respiratory infections	0	8	10
Cerebrovascular disease	0	8	3
Malaria	0	6	10
Ischaemic heart disease	0	6	2
Anaemia	0	6	9
Diarrhoeal diseases	0	4	7
Tuberculosis	0	4	5
Measles	0	3	6
Syphilis	0	3	5
Diabetes mellitus	0	3	1

Source: Death and DALY estimates by cause, 2002
http://www.who.int/entity/healthinfo/statistics/bodgbddeathdalyestimates.xls

Life expectancy at birth among males (years) Sao Tome and Principe, 2004

Life expectancy at birth among females (years) Sao Tome and Principe, 2004

Maternal mortality ratio (per 100 000 live births) Sao Tome and Principe, 2000



Legend:

WHO African Region
Sao Tome and Principe

Source: World Health Statistics 2006

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HEALTH STATUS STATISTICS MORBIDITY [a]		YEARS	SAO TOME AND PRINCIPE	WHO AFRICAN REGION
HIV prevalence amond adults (15 - 49) (%)	Both sexes	2003	...	7.1
TB prevalence (per 100 000 population)	Both sexes	2004	253	518
TB incidence (per 100 000 population)	Both sexes	2004	107	356
Number of comfirmed 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	SAO TOME AND PRINCIPE	WHO AFRICAN REGION
Non-communicable diseases - Infobase for the count	See ---> http://www.afro.who.int/dnc/infobase/Sao_Tome_Principe.pdf			
Chilfren under-5 stunted for age (Both sexes) (%)		2000	28.9	...
Children under-5 underweight for age(Both sexes) (%)		2000	12.9	...
Children under-5 overweight for age(Both sexes) (%)		...	...	...
Newborns with low birth weigh (Both sexes) (%)		2000-2002	...	14
Adults (≥15) who are obese (%)	Males	...	...	...
	Females	...	...	...
Access to improved water sources(%)	Urban	2002	89	84
	Rural	2002	73	45
Access to improved sanitation(%)	Urban	2002	32	58
	Rural	2002	20	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	SAO TOME AND PRINCIPE	WHO AFRICAN REGION
Immunization coverage among 1-year-olds	Measles	(%)	2004	91	66
	DTP3	(%)	2004	99	66
	HepB3	(%)	2004	99	35
Antenatal care coverage	At least 1 visit	(%)	2000	91	…
	At least 4 visits	(%)	2000	...	…
Births attended by skilled health personnel		(%)	2000	79	…
Contraceptive prevalence rate		(%)	2000	29.3	…
Children under-5 sleeping under insecticide-treated nets		(%)	2000	22.8	…
Antiretroviral therapy coverage		(%)	Dec 2005	…	17
TB detection rate under DOTS		(%)	2004	...	48
TB detection treatment success DOTS		(%)	2003 cohort	...	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	61.2	…
Children 6-59 months who received vitamin A supplementation		(%)	2002	...	…
Births by Caesarean section		(%)	…	...	…

… Data not available or not applicable.

[a] *WORLD HEALTH STATISTICS 2006 http://www.who.int/whosis/en/*

HEALTH SYSTEMS STATISTICS [a]		YEARS	SAO TOME AND PRINCIPE
Physicians	Number	2004	81
	Density	2004	0.49
Nurses	Number	2004	256
	Density per 1000	2004	1.55
Midwives	Number	2004	52
	Density per 1000	2004	0.32
Dentists	Number	2004	11
	Density per 1000	2004	0.07
Pharmacists	Number	2004	24
	Density per 1000	2004	0.15
Public and environmental health workers	Number	2004	19
	Density per 1000	2004	0.12
Community Health workers	Number	2004	374
	Density per 1000	2004	2.27
Lab technicians	Number	2004	51
	Density per 1000	2004	0.31
Other health workers	Number	2004	291
	Density per 1000	2004	1.76
Health management and support workers	Number	2004	288
	Density per 1000	2004	1.75
Total expenditure on health as % of gross domestic product		2003	8.6
General government expenditure on health as % of total expenditure on health		2003	83.9
Private expenditure on health as % of total expenditure on health		2003	16.1
General government expenditure on health as % of total government expenditure		2003	11.1
External ressources for health as % of total expenditure on health		2003	56.0
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$)		2003	34
Per capita total expenditure on health at international dollar rate		2003	93
Per capita government expenditure on health at average exchange rate (US$)		2003	29
Per capita government expenditure on health at international dollar rate		2003	78
Coverage of vital registration of deaths(%)		…	...
Hospital beds (per 10 000)		…	...

… Data not available or not applicable.

[a] *WORLD HEALTH STATISTICS 2006 http://www.who.int/whosis/en/*

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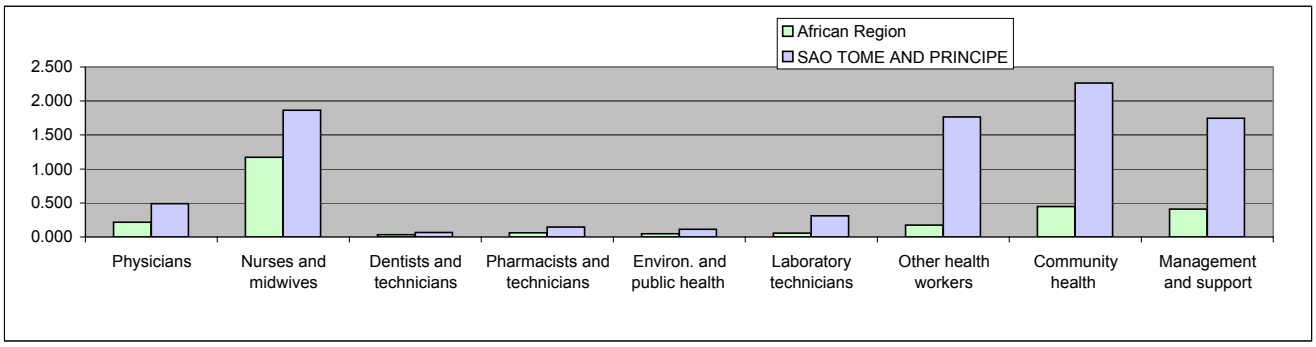
Sao Tome and Principe

HUMAN RESOURCES FOR HEALTH
Country Fact Sheet Sao Tome and Principe

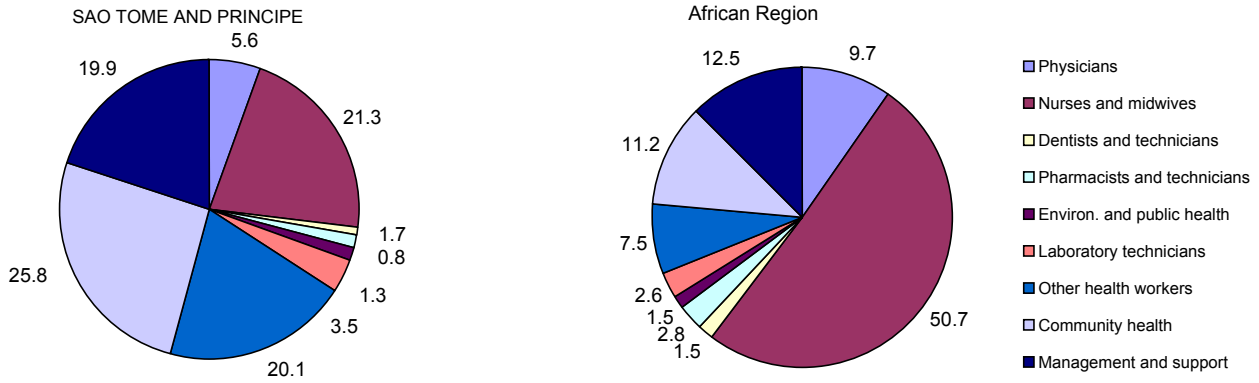
Total numbers and densities of the health workforce in SAO TOME AND PRINCIPE (2002)

	Total number SAO TOME AND PRINCIPE	Density per 1000 SAO TOME AND PRINCIPE	Density per 1000 AFRO
Physicians	81	0.491	0.217
Nurses and midwives	308	1.867	1.172
Dentists and technicians	11	0.067	0.035
Pharmacists and technicians	24	0.145	0.063
Environmental and public health workers	19	0.115	0.049
Laboratory technicians	51	0.309	0.057
Other health workers	291	1.764	0.173
Community health workers	374	2.267	0.449
Health management and support	288	1.745	0.411
Sum total	1447	8.770	2.626

Densities of health workers in SAO TOME AND PRINCIPE and in the African Region per 1000 population



Distribution of health workforce by cadre



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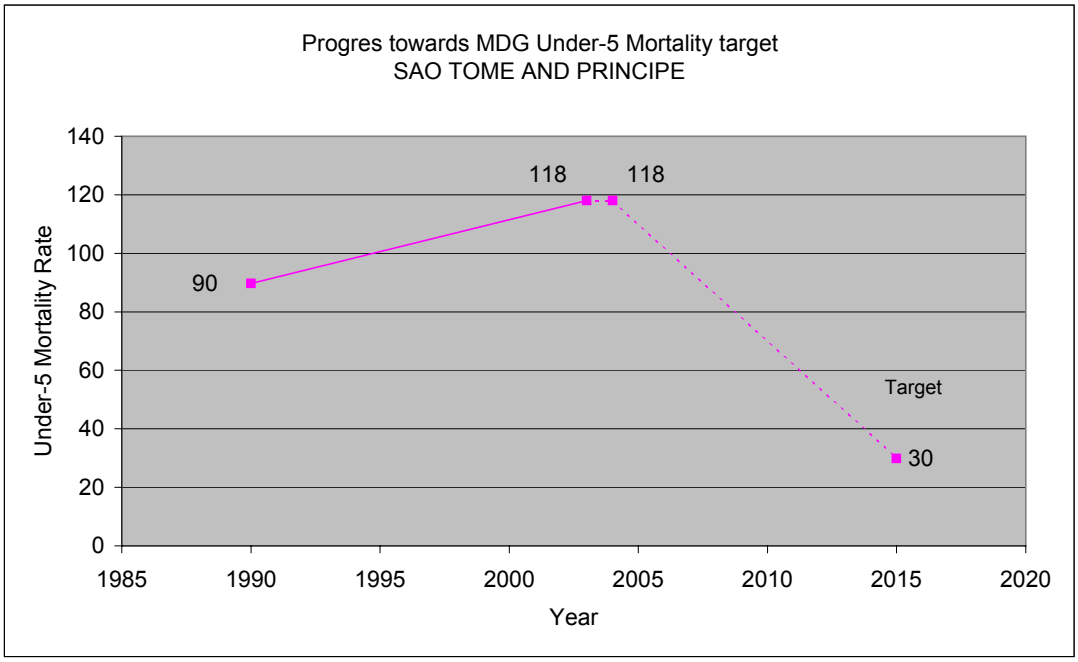
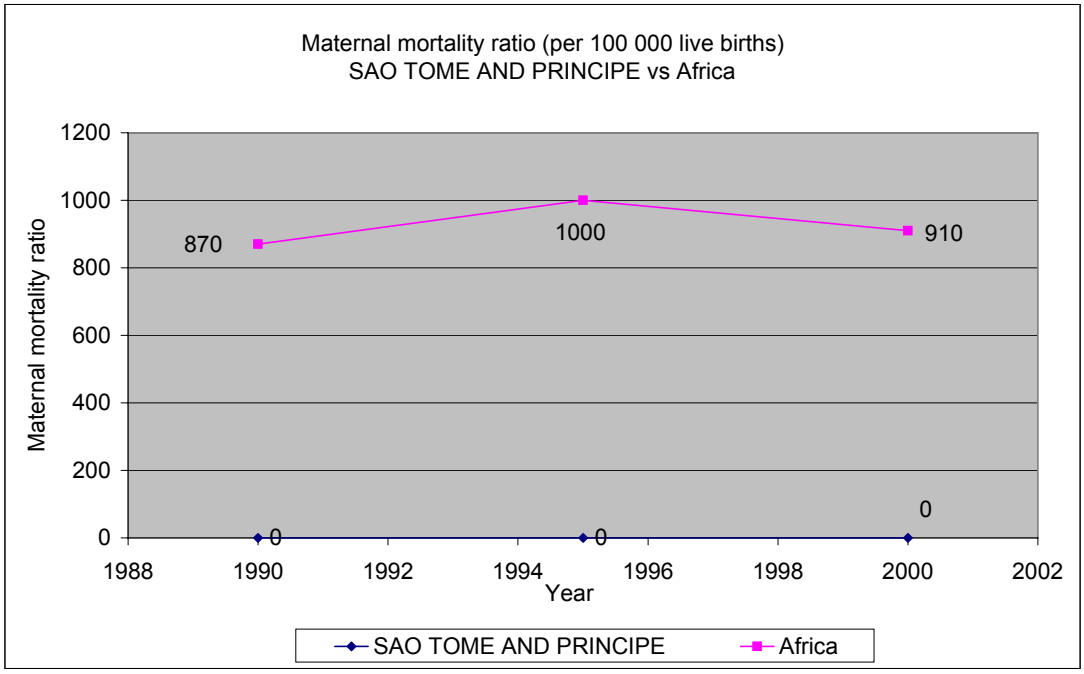
MILLENIUM DEVELOPMENT GOALS[a]	YEARS	SAO TOME AND PRINCIPE	WHO AFRICAN REGION
GOAL 1: ERADICATE EXTREME POVERTY AND HUNGER			
4. Prevalence of underweight children under five years of age	2000	12.9	26
5. Proportion of population below minimum level of dietary energy consumption	…	…	…
GOAL 4: REDUCE CHILD MORTALITY			
13. Under-five mortality rate (per 1000 live births, %)	1990	90	...
	2003	118	171
	2004	118	167
14. Infant mortality rate (per 1000 live births, %)	1990	61	...
	2003	75	...
	2004	75	100
15. Proportion of one-year-old children immunized against measles, %	2003	87	63
	2004	91	66
GOAL 5: IMPROVE MATERNAL HEALTH			
16.Maternal mortality ratio (per 100 000 live births)	1990	…	…
	1995	…	…
	2000	…	990
	2003	…	…
	2004	…	…
17. Proportion of births attended by skilled health personnel	2000	79	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	29.3	…
20. Number of children orphaned by HIV/AIDS	…	…	…
21. Prevalence rate associated with malaria	…	…	…
- Death rates associated with malaria (per 100 000)	2000	57	…
22. Proportion of population in malaria-risk areas using effective malaria prevention and trreatment measures	…	…	…
23. Prevalence rate associated with tuberculosis (per 100 000)	1990	345	317
	2000	299	…
	2004	253	518
- Death rates associated with tuberculosis	1990	38	41
	2000	33	…
	2004	28	81
24. Proportion of tuberculosis cases detected under DOTS	2003	…	50
	2004	...	48
- Proportion of tuberculosis cases cured under DOTS	2002	…	73
	2003	...	72
GOAL 7: ENSURE ENVIRONMENTAL SUSTAINABILITY			
29. Proportion of population using solid fuels	2002	95	76
30. Proportion of population with sustainable access to improved water source, urban	2002	89	84
- Proportion of population with sustainable access to improved water source, rural	2002	73	45
31. Proportion of urban population with access to improved sanitation	2002	32	58
- Proportion of rural population with access to improved sanitation	2002	20	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/*


Progres towards MDG Under-5 Mortality target
SAO TOME AND PRINCIPE
Under-5 Mortality Rate
140
120
100
80
60
40
20
0
1985
1990
1995
2000
2005
2010
2015
2020
Year
90
118
118
Target
30


Maternal mortality ratio (per 100 000 live births)
SAO TOME AND PRINCIPE vs Africa
Maternal mortality ratio
1200
1000
800
600
400
200
0
1988
1990
1992
1994
1996
1998
2000
2002
Year
870
1000
910
0
0
0
SAO TOME AND PRINCIPE
Africa