World Health Organization Africa

Country Health System Fact Sheet 2006
Seychelles

Largest urban agglomeration or Capital city : VICTORIA
Official language: ENGLISH
Surface area (square kms) : 455
Population density (per square km): 177

DEMOGRAPHIC AND SOCIOECONOMICS STATISTICS [a]			YEARS	SEYCHELLES	WHO AFRICAN REGION
Population	number	(000)	2005	81	738 083
	annual growth rate	(%)	1995–2004	0.6	2.2
	in urban	(%)	2005	50	38
Total fertility rate (per woman)			2004	2.1	5.3
Adolescent fertility proportion		(%)	1997-2002	...	11.7
Adult literacy rate		(%)	2000–2004	91.9	60.1
Net primary school enrolment ratio	Males	(%)	1998–2004	100	70
	Females	(%)		99	63
Gross national income per capita		(PPP Int.$)	2004	15590	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	SEYCHELLES	WHO AFRICAN REGION
Life expectancy at birth (years)	Males	2004	67	47
Life expectancy at birth (years)	Females	2004	78	49
Healthy life expectancy (HALE) at birth (years)	Males	2002	57	40
Healthy life expectancy (HALE) at birth (years)	Females	2002	65	42
Probability of dying per 1 000 population between 15 and 60 years (adult mortality rate)	Males	2004	232	519
	Females	2004	83	465
Probability of dying per 1 000 live births under 5 years (under-5 mortality rate)	Both sexes	2004	14	167
Infant mortality rate (per 1 000 live births)	Both sexes	2004	12	100
Neonatal mortality rate (per 1 000 live births)	Both sexes	2000	9	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	6	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	657	800
	Cardio-vascular diseases	2002	336	404
	Cancer	2002	131	144
	Injuries	2002	69	133
Years of life lost by broader causes (%) (Both sexes)	Communicable diseases	2002	16	59
	Non-communicable diseases	2002	64	10
	Injuries	2002	21	8
Causes of death among children under 5 years of age (%) (Both sexes)	Neonatal causes	2000	27.2	26.2
	HIV/AIDS	2000	0.0	6.8
	Diarrhoeal diseases	2000	0.0	16.6
	Measles	2000	0.0	4.3
	Malaria	2000	0.0	17.5
	Pneumonia	2000	10.1	21.1
	Injuries	2000	12.3	1.9
	Other	2000	50.3	5.6

... Data not available or not applicable.

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

Mortality Country Fact Sheet 2006

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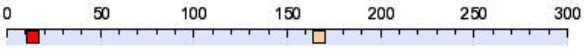
Seychelles

Summary	Year	Males	Females	Both sexes
Population (millions)	2005	...	...	.1
Life expectancy (years)	2004	67	78	72
Under-5 mortality (per 1 000 live births)	2004	14	13	14
Adult mortality (per 1 000)	2004	232	83	
Maternal mortality (per 100 000 live births)	...		...	

Source: World Health Statistics 2006

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



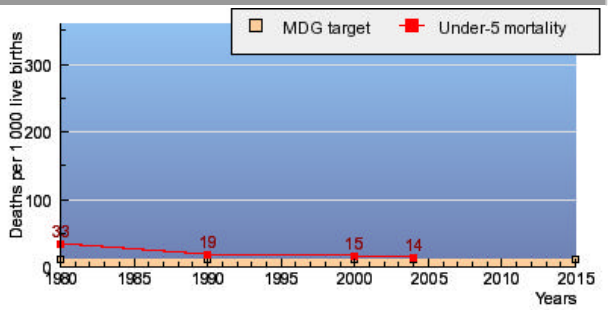
Legend:

- WHO African Region
- Seychelles

Source: World Health Statistics 2006

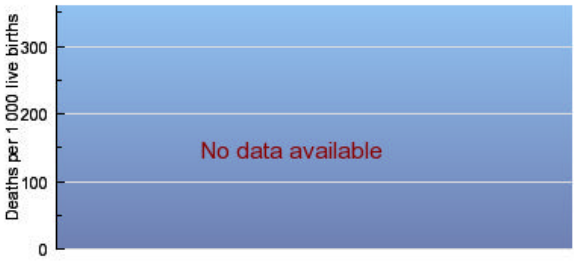
Under-5 mortality

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



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

Under-5 mortality: Age-specific mortality rates
Seychelles ,



Source: World Health Report 2005

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

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

Mortality Country Fact Sheet 2006

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Causes of death in children under-5

Distribution of causes of death among children under 5 years of age Seychelles, 2000-2003

Causes	Deaths[b] (%)	Regional average (%)
Total neonatal deaths	100	100
Neonatal causes[a]	27	26
HIV/AIDS	0	7
Diarrhoeal diseases	0	17
Measles	0	4
Malaria	0	17
Pneumonia	10	21
Injuries	12	2
Others	50	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 Seychelles, 2000

Causes	Deaths[c] (%)	Regional average[c] (%)
Total neonatal deaths	100	100
Neonatal tetanus	1	9
Severe infection[a]	16	27
Birth asphyxia	22	24
Diarrhoeal diseases	1	3
Congenital anomalies	11	6
Preterm birth[b]	43	23
Others	6	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 Seychelles, 2002

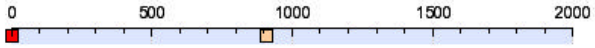
Causes	Deaths (000)	Deaths (%)	Years of Life Lost (%)
All causes	0	100	100
Hypertensive heart disease	0	17	10
Ischaemic heart disease	0	10	6
Lower respiratory infections	0	4	4
Diabetes mellitus	0	3	2
Cerebrovascular disease	0	3	2
Cirrhosis of the liver	0	3	4
Drownings	0	3	5
Other genitourinary system diseases	0	2	1
Mouth and oropharynx cancers	0	2	3
Anaemia	0	2	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) Seychelles, 2004

Life expectancy at birth among females (years) Seychelles, 2004

Maternal mortality ratio (per 100 000 live births) Seychelles, 2000



Legend:

- WHO African Region
- Seychelles

Source: World Health Statistics 2006

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HEALTH STATUS STATISTICS MORBIDITY [a]		YEARS	SEYCHELLES	WHO AFRICAN REGION
HIV prevalence amond adults (15 - 49) (%)	Both sexes	2003	...	7.1
TB prevalence (per 100 000 population)	Both sexes	2004	83	518
TB incidence (per 100 000 population)	Both sexes	2004	34	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	SEYCHELLES	WHO AFRICAN REGION
Non-communicable diseases - Infobase for the country	See ---> http://www.afro.who.int/dnc/infobase/Seychelles.pdf			
Chilfren under-5 stunted for age (Both sexes) (%)		…	...	…
Children under-5 underweight for age (Both sexes) (%)		…	...	…
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	100	84
	Rural	2002	75	45
Access to improved sanitation (%)	Urban	2002	...	58
	Rural	2002	100	28
Population using solid fuels (%)	Urban	..	...	...
	Rural	..	...	...
Prevalence of current tobacco use (%) Adolescents (13 - 15)	Both sexes	2002	28.9	...
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	SEYCHELLES	WHO AFRICAN REGION
Immunization coverage among 1-year-olds	Measles	(%)	2004	99	66
	DTP3	(%)	2004	99	66
	HepB3	(%)	2004	99	35
Antenatal care coverage	At least 1 visit	(%)	…	...	…
	At least 4 visits	(%)	…	...	…
Births attended by skilled health personnel		(%)	…	...	…
Contraceptive prevalence rate		(%)	…	...	…
Children under-5 sleeping under insecticide-treated nets		(%)	…	...	…
Antiretroviral therapy coverage		(%)	Dec 2005	…	17
TB detection rate under DOTS		(%)	2004	106	48
TB detection treatment success DOTS		(%)	2003 cohort	100	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		(%)	…	...	…
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	SEYCHELLES
Physicians	Number	2004	121
	Density	2004	1.51
Nurses	Number	2004	634
	Density per 1000	2004	7.93
Midwives	Number	…	...
	Density per 1000	…	...
Dentists	Number	2004	94
	Density per 1000	2004	1.17
Pharmacists	Number	2004	61
	Density per 1000	2004	0.76
Public and environmental health workers	Number	2004	77
	Density per 1000	2004	0.96
Community Health workers	Number	…	...
	Density per 1000	…	...
Lab technicians	Number	2004	59
	Density per 1000	2004	0.74
Other health workers	Number	2004	35
	Density per 1000	2004	0.44
Health management and support workers	Number	…	...
	Density per 1000	…	...
Total expenditure on health as % of gross domestic product		2003	5.9
General government expenditure on health as % of total expenditure on health		2003	73.2
Private expenditure on health as % of total expenditure on health		2003	26.8
General government expenditure on health as % of total government expenditure		2003	10.2
External ressources for health as % of total expenditure on health		2003	2.0
Social security expenditure on health as % of general government expenditure on health		2003	3.3
Out-of-pocket expenditure as % of private expenditure on health		2003	62.5
Private prepaid plans as % of private expenditure on health		2003	0.0
Per capita total expenditure on health at average exchange rate (US$)		2003	522
Per capita total expenditure on health at international dollar rate		2003	599
Per capita government expenditure on health at average exchange rate (US$)		2003	382
Per capita government expenditure on health at international dollar rate		2003	439
Coverage of vital registration of deaths(%)		2000	>75
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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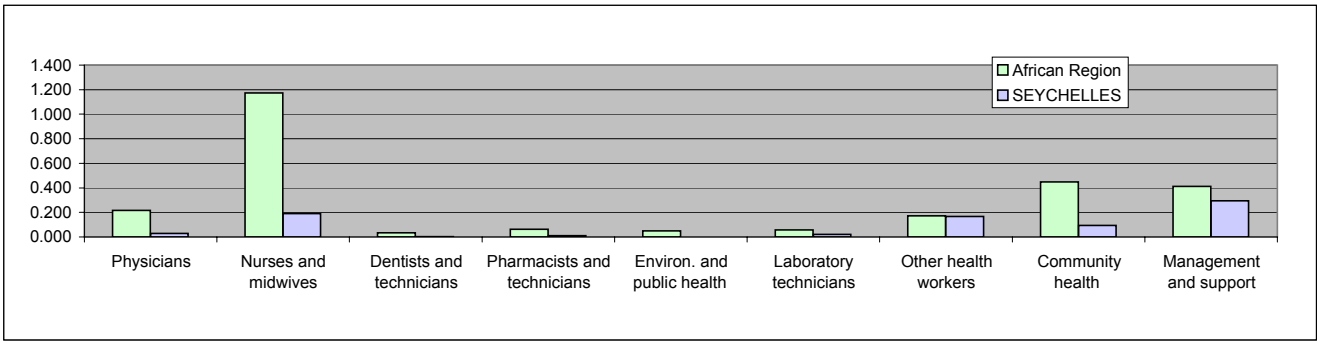
HUMAN RESOURCES FOR HEALTH

Country Fact Sheet Seychelles

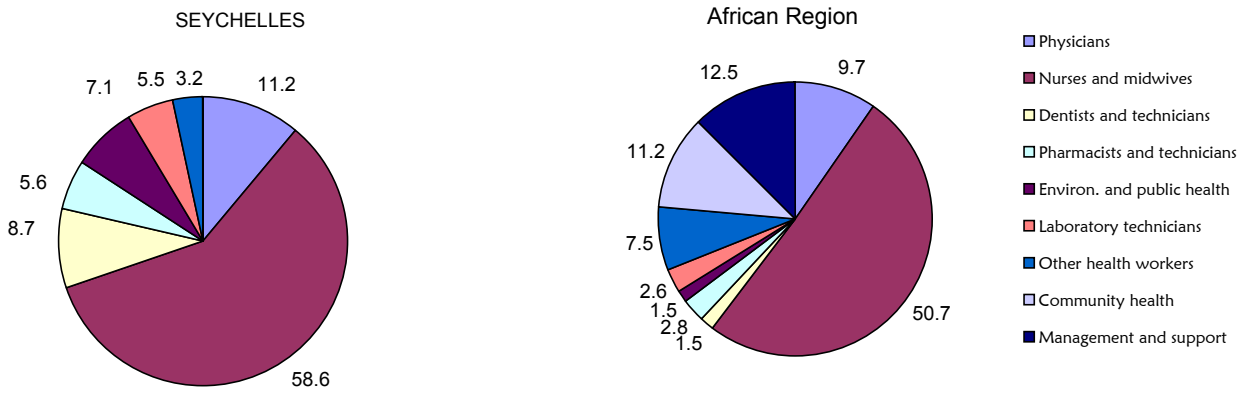
Total numbers and densities of the health workforce in SEYCHELLES (2002)

	Total number SEYCHELLES	Density per 1000 SEYCHELLES	Density per 1000 AFRO
Physicians	121	1.513	0.217
Nurses and midwives	634	7.925	1.172
Dentists and technicians	94	1.175	0.035
Pharmacists and technicians	61	0.762	0.063
Environmental and public health workers	77	0.962	0.049
Laboratory technicians	59	0.738	0.057
Other health workers	35	0.438	0.173
Community health workers	n.a.	n.a.	0.449
Health management and support	n.a.	n.a.	0.411
Sum total	1081	13.513	2.626

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



Distribution of health workforce by cadre



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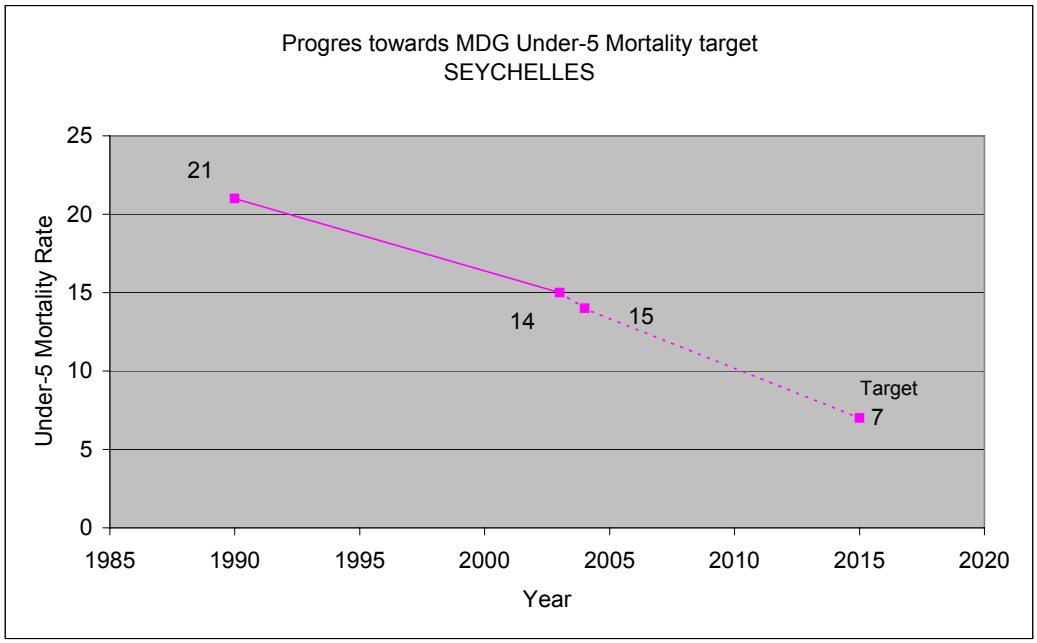
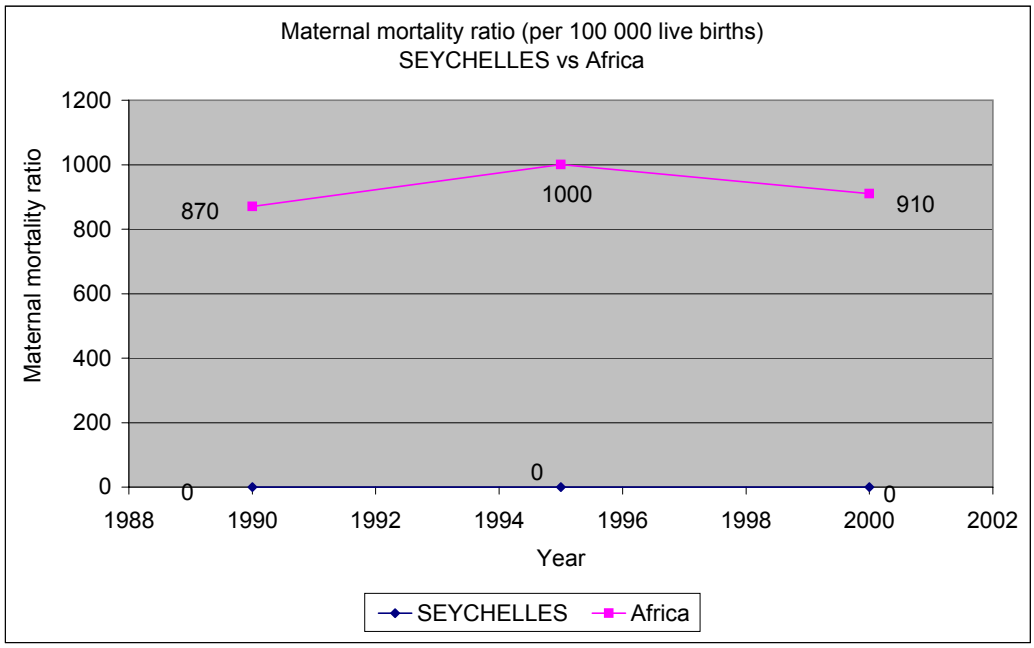
MILLENIUM DEVELOPMENT GOALS[a]	YEARS	SEYCHELLES	WHO AFRICAN REGION
GOAL 1: ERADICATE EXTREME POVERTY AND HUNGER			
4. Prevalence of underweight children under five years of age	2000	…	26
5. Proportion of population below minimum level of dietary energy consumption	…	…	…
GOAL 4: REDUCE CHILD MORTALITY			
13. Under-five mortality rate (per 1000 live births, %)	1990	21	...
	2003	15	171
	2004	14	167
14. Infant mortality rate (per 1000 live births, %)	1990	17	...
	2003	11	...
	2004	12	100
15. Proportion of one-year-old children immunized against measles, %	2003	99	63
	2004	99	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	…	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	...	…
20. Number of children orphaned by HIV/AIDS	…	…	…
21. Prevalence rate associated with malaria	…	…	…
- Death rates associated with malaria (per 100 000)	2000	3	…
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	113	317
	2000	60	…
	2004	83	518
- Death rates associated with tuberculosis	1990	9	41
	2000	1	…
	2004	6	81
24. Proportion of tuberculosis cases detected under DOTS	2003	40	50
	2004	106	48
- Proportion of tuberculosis cases cured under DOTS	2002	45	73
	2003	100	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	100	84
- Proportion of population with sustainable access to improved water source, rural	2002	75	45
31. Proportion of urban population with access to improved sanitation	2002	...	58
- Proportion of rural population with access to improved sanitation	2002	100	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
SEYCHELLES
Under-5 Mortality Rate
25
20
15
10
5
0
21
14
15
Target
7
1985
1990
1995
2000
2005
2010
2015
2020
Year


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