Table 1. Demographic and reproductive health indicators, Sudan 1999-2008

Total population         36 297 900         2006           Population growth rate         2,53         2004           Crude birth rate         37,8         2003           Crude death rate         11.5         2003           Crude death rate         11.5         2003           Urban to rural population, ratio         36.8         2004           Number of women of reproductive age (15-49 years)         9 074 000         2006           Total fertility rate         5.9         1999         1999           Percentage of pregnant women attended by skilled personnel         69,6         2006           Number of facilities with functioning essential obstetric care per 500 000 persons         2         2005           Percentage of deliveries attended by skilled personnel (of all deliveries)         49,2         2006           Percentage of deliveries undertaken in health facilities         19,4         2006           Percentage of pregnant women with anaemia         59         2005           Percentage of pregnant women with anaemia         59         2005           Percentage of pregnant women with anaemia         10,4         2006           Percentage of pregnant women with anaemia         10,2         2006           Percentage of pregnant women with anaemia         10,2	Indicator	Parameter	Year
Crude birth rate         37.8         2003           Crude death rate         11.5         2003           Urban to rural population, ratio         36.8         2004           Number of women of reproductive age (15–49 years)         9 074 000         2006           Total fertility rate         5.9         1999           Percentage of pregnant women attended by skilled personnel         69.6         2006           Number of facilities with functioning essential obstetric care per 500 000 persons         2         2005           Percentage of deliveries attended by skilled personnel (of all deliveries)         49.2         2006           Percentage of deliveries undertaken in health facilities         19.4         2006           Percentage of cleweries undertaken in health facilities         19.4         2006           Percentage of pregnant women with anaemia         59         2005           Percentage of pregnant women with anaemia         59         2006           Percentage of pregnant women with anaemia         100         70           Percentage of newborn infants with low birth weight (of all newborn infants)         N/A           Percentage of newborn infants with low birth weight (of all newborn infants)         N/A           Life expectancy at birth male, years         55         1993           Life expecta	Total population	36 297 000	2006
Crude death rate         11.5         2003           Urban to rural population, ratio         36.8         2004           Number of women of reproductive age (15-49 years)         9 074 000         2006           Total fertility rate         5.9         1999           Percentage of regnant women attended by skilled personnel         69.6         2005           Number of facilities with functioning essential obstetric care per 500 000 persons         2         2005           Percentage of deliveries attended by skilled personnel (of all deliveries)         49.2         2006           Percentage of deliveries undertaken in health facilities         19.4         2006           Percentage of reasonat women with an anemia         59         2005           Percentage of pregnant women with low birth weight (of all newborn infants)         N/A           Material mortality per 100 oo oo live births         1107         2006           Percentage of newborn infants with low birth weight (of all newborn infants)         N/A         N/A           Life expectancy at birth female, years         110         2006         141         2006           Life expectancy at birth female, years         55         1993         116         2006         193         2006           Life expectancy at birth male, years         52         1993	Population growth rate	2.53	2004
Urban to rural population, ratio         36.8         2004           Number of women of reproductive age (15-49 years)         9 074 000         2006           Total fertility rate         5-9         1999           Percentage of pregnant women attended by skilled personnel         69.6         2006           Number of facilities with functioning essential obstetic care per 500 000 persons         2         2005           Percentage of deliveries at undertaken in health facilities         19.4         2006           Percentage of deliveries sundertaken in health facilities         19.4         2006           Percentage of pregnant women with anaemia         59         2005           Percentage of pregnant women with anaemia         59         2005           Percentage of pregnant women with anaemia         109         2006           Percentage of pregnant women with anaemia         19         2005           Percentage of pregnant women with anaemia         10         2006           Life expectancy at bith male, wears         51         1993         11           Life	Crude birth rate	37.8	2003
Number of women of reproductive age (15–49 years)         9 074 000         2006           Total fertility rate         5-9         1999           Percentage of pregnant women attended by skilled personnel         69.6         2005           Number of facilities with functioning essential obstetric care per 500 000 persons         2         2005           Percentage of deliveries attended by skilled personnel (of all deliveries)         49.2         2006           Percentage of deliveries attended by skilled personnel (of all deliveries)         49.2         2006           Percentage of deliveries attended by skilled personnel (of all deliveries)         49.2         2006           Percentage of newsorn infants with low birth anaemia         59         2005           Percentage of newsorn infants with low birth weight (of all newborn infants)         N/A           Material mortality per 1000 births         1107         2006           Percentage of newsorn infants with low birth weight (of all newborn infants)         N/A           Life expectancy at birth female, years         55         1993           Life expectancy at birth female, years         52         1993           Life expectancy at birth male, years         52         1993           Life expectancy at birth female, years         52         1993           Life expectancy at birth female, years	Crude death rate	11.5	2003
Total fertility rate         5.9         1999           Percentage of pregnant women attended by skilled personnel         69.6         206           Number of Facilities with functioning essential obstetric care per 500 000 persons         2         2005           Percentage of deliveries attended by skilled personnel (of all deliveries)         49.2         2006           Percentage of deliveries undertaken in health facilities         19.4         2006           Percentage of acasarean sections         45.5         2006           Percentage of pregnant women with anaemia         59         2005           Percentage of pregnant women with anaemia         59         2005           Percentage of newborn infants with low birth weight (of all newborn infants)         N/A         N/A           Nematal mortality per 1000 births         41         2006           Perinatal mortality per 1000 births         41         2006           If expectancy at birth male, years         55         1993           Life expectancy at birth male, years         55         1993           Life expectancy at birth male, years         52         1993           Life expectancy at birth male, years         52         1993           Life expectancy at birth female, years         52         2006           Contraceptive prevalence	Urban to rural population, ratio	36.8	2004
Percentage of pregnant women attended by skilled personnel         69.6         2006           Number of facilities with functioning essential obstetric care per 500 000 persons         2         2005           Percentage of deliveries undertaken in health facilities         19.4         2006           Percentage of deliveries undertaken in health facilities         19.4         2006           Percentage of caesarean sections         4.5         2006           Percentage of pregnant women with anaemia         59         2005           Percentage of newborn infants with low birth weight (of all newborn infants)         N/A           Maternal mortality per 1000 obliviths         1107         2006           Perinatal mortality per 1000 births         41         2006           Life expectancy at birth female, years         55         1993           Life expectancy at birth female, years         55         1993           Contraceptive prevalence rate among married women of reproductive age (15–49), all methods (all)         1,9         2006           Traditional methods (all)         0,1         1,9         2006           Mythdrawal         0,1         1,9         2006           IUD         0,3         2006         2006           Under methods (all)         3,3         2006           U	Number of women of reproductive age (15–49 years)	9 074 000	2006
Number of facilities with functioning essential obstetric care per 500 000 persons 2 2005 Percentage of deliveries attended by skilled personnel (of all deliveries) 49.2 2006 Percentage of deliveries undertaken in health facilities 19.4 2006 Percentage of caesarean sections 4.5 2006 Percentage of pregnant women with anaemia 59 2005 Percentage of pregnant women with anaemia 19.7 2006 Perinatal mortality per 1000 oblive births 19.7 2006 Perinatal mortality per 1000 births 19.7 2006 Perinatal mortality per 1000 births 19.7 2006 Perinatal mortality per 1000 live births 19.7 2006 Perinatal mortality per 1000 live births 19.9 2006 Percentage of pregnant women of reproductive age (15–49), all methods (2006 Percentage of the prevalence rate among married women of reproductive age (15–49), all methods (2006 Percentage prevalence rate among married women 19.0 2006 Percentage of the percentage 19.0 2006 Percentage of the prevalence (2006 2006 2006 2006 2006 2006 2006 200	Total fertility rate	5.9	1999
Percentage of deliveries attended by skilled personnel (of all deliveries)         49.2         2006           Percentage of deliveries undertaken in health facilities         19.4         2006           Percentage of deliveries undertaken in health facilities         19.4         2006           Percentage of pregnant women with anaemia         59         2005           Percentage of newborn infants with low birth weight (of all newborn infants)         N/A           Maternal mortality per 100 00 live births         1107         2006           Perinatal mortality per 100 00 births         1107         2006           Perinatal mortality per 100 00 live births         41         2006           Life expectancy at birth female, years         55         1993           Life expectancy at birth female, years         52         1993           Contraceptive prevalence rate among married women of reproductive age (15–49), and an administrate of the productive age (15–49) and an administrate of the productive age (15–49) and an administrate of the productive age (15–49) and an	Percentage of pregnant women attended by skilled personnel	69.6	2006
Percentage of deliveries undertaken in health facilities         19.4         2006           Percentage of caesarean sections         4.5         2006           Percentage of pregnant women with anaemia         59         2005           Percentage of newborn infants with low birth weight (of all newborn infants)         N/A           Maternal mortality per 1000 oble births         1107         2006           Perinatal mortality per 1000 births         41         2006           Life expectancy at birth female, years         55         1993           Life expectancy at birth male, years         52         1993           Life expectancy at birth female, years         52         1993           Life expectancy at birth male, years         52         1993           Life expectancy at birth male, years         52         1993           Life expectancy at birth male, years         52         1093           Life expectancy at birth male, years         52         1093           Life expectancy a	Number of facilities with functioning essential obstetric care per 500 000 persons		2005
Percentage of caesarean sections         4.5         2006           Percentage of pregnant women with anaemia         59         2005           Percentage of newborn infants with low birth weight (of all newborn infants)         N/A           Maternal mortality per 100 obolive births         1107         2006           Perinatal mortality per 100 bire births         41         2006           Life expectancy at birth female, years         55         1993           Life expectancy at birth male, years         52         1993           Contraceptive prevalence rate among married women of reproductive age (15–49), all methods (xil)         1.9         2006           I madil methods (all)         1.9         2006         2006           I Modern methods (all)         1.9         2006         2006           I North methods (all)         5.7         2006         2006           I UD         0.3         2006         2006           Condom         0.3         2006           I njectables         0.5         2006           I njectables         0.5         2006           I njectables         0.5         2006           I njectables         0.7         2006           Eremale sterilization         7         2006	Percentage of deliveries attended by skilled personnel (of all deliveries)	49.2	2006
Percentage of pregnant women with anaemia         59         2005           Percentage of newborn infants with low birth weight (of all newborn infants)         N/A           Maternal mortality per 100 ool live births         1107         2006           Perinatal mortality per 1000 live births         41         2006           Life expectancy at birth female, years         55         1993           Life expectancy at birth male, years         52         1993           Contraceptive prevalence rate among married women of reproductive age (15–49), all methods (20)         7.6         2006           Contraceptive prevalence rate among married women of reproductive age (15–49), all methods (20)         7.6         2006           If withdrawal         0.1         1.9         2006           Withdrawal         0.1         6.0         1.0         2006           Modern methods (all)         5.7         2006         20	Percentage of deliveries undertaken in health facilities	19.4	2006
Percentage of newborn infants with low birth weight (of all newborn infants)         N/A           Maternal mortality per 1000 ool live births         1107         2006           Perinatal mortality per 1000 live births         41         2006           Life expectancy at birth female, years         55         1993           Life expectancy at birth male, years         52         1993           Life expectancy at birth male, years         52         1993           Contraceptive prevalence rate among married women of reproductive age (15-49), all methods (2)         7,6         2006           Il methods (2)         7,6         2006           Withdrawal         0.1         9         2006           Withdrawal         0.1         2006         0         2006	Percentage of caesarean sections	4.5	2006
Maternal mortality per 100 olive births         N/A           Perinatal mortality per 1000 births         N/A           Neonatal mortality per 1000 live births         41         2006           Life expectancy at birth female, years         55         1993           Life expectancy at birth female, years         52         1993           Contraceptive prevalence rate among married women of reproductive age (15–49), all methods (2)         7.6         2006           Withdrawal methods (all)         1.9         2006           Withdrawal Rhythm         0.2         0.1         0.1         0.1         0.1         0.2	Percentage of pregnant women with anaemia	59	2005
Perinatal mortality per 1000 births         N/A           Neonatal mortality per 1000 live births         41         2006           Life expectancy at birth female, years         55         1993           Life expectancy at birth male, years         52         1993           Contraceptive prevalence rate among married women of reproductive age (15-49), all methods (#)         7.6         2006           Interpretation of methods (#)         1.9         2006           Withdrawal         0.1         1.9         2006           Modern methods (#)         5.7         2006           Modern methods (#)         5.7         2006           Modern methods (#)         5.7         2006           IUD         0.3         2006           Condom         0.3         2006           Pill         4.3         2006           Injectables         0.5         2006           Injectables         0.5         2006           Injectables         0.3         2006           Injectables         0.3         2006           Injectables         0.4         2.0           Eemale sterilization         0.3         2006           Fearch side-effects         N/A         N/A	Percentage of newborn infants with low birth weight (of all newborn infants)	N/A	
Neonatal mortality per 1000 live births         41         2006           Life expectancy at birth female, years         55         1993           Life expectancy at birth male, years         52         1993           Contraceptive prevalence rate among married women of reproductive age (15-49).         7.6         2006           all methods (%)         1.9         2006           Withdrawal         0.1         1.9         2006           Withdrawal         0.1         6.2         6.6         2006           Modern methods (all)         5.7         2006	Maternal mortality per 100 000 live births	1107	2006
Life expectancy at birth female, years       55       1993         Life expectancy at birth male, years       52       1993         Contraceptive prevalence rate among married women of reproductive age (15-49), all methods (%)       7.6       2006         Traditional methods (all)       1.9       2006         Withdrawal       0.1       1.9       2006         Rhythm       0.2       1.6       2006         Lactational amenorrhoea       1.6       2006       2006         Modern methods (all)       5.7       2006         IUD       0.3       2006       2006         Condom       0.3       2006         Pill       4.3       2006         Injectables       0.5       2006         Implants       -       -         Female sterilization       0.3       2006         Fear of side-effects       N/A       -         Lack of knowledge       N/A       -         Cost       N/A       -         Lack of access       N/A       -         Traditional misconceptions       N/A       -         Partner opposes       N/A       -         Unmet need for modern contraception (%)       5.7       2006 <td>Perinatal mortality per 1000 births</td> <td>N/A</td> <td></td>	Perinatal mortality per 1000 births	N/A	
Life expectancy at birth male, years  Contraceptive prevalence rate among married women of reproductive age (15-49), all methods (%)  Traditional methods (all)  Withdrawal  Rhythm  0.2  Lactational amenorrhoea  1.6  Modern methods (all)  1.9  2.006  Modern methods (all)  5.7  2.006  LID  Condom  0.3  2.006  Pill  4.3  2.006  Injectables  Inj	Neonatal mortality per 1000 live births	41	2006
Contraceptive prevalence rate among married women of reproductive age (15-49), all methods (%)  Traditional methods (all)  Withdrawal  Rhythm  0.2  Lactational amenorrhoea  1.6  2006  Modern methods (all)  5.7  2006  IUD  0.3  2006  Condom  0.3  2006  Pill  1,9  4.3  2006  Pill  1,9  4.3  2006  Pill  4.3  2006  Implants  Female sterilization  5.7  2006  Implants  Female sterilization  7.6  Factors for not using modern methods among married women  N/A  Lack of knowledge  N/A  Lack of knowledge  N/A  Cost  N/A  Traditional misconceptions  Partner opposes  N/A  Partner opposes  N/A  Unmet need for modern contraception (\$)  Receipt of postpartum care and family planning counselling  Incidence of sexually transmitted infection (per 100 000)  Syphills  Gonorrhoea  Chlamydia  Trichomoniasis  HIV prevalence (adults aged 15-49 years) (\$)  Number of verified HIV cross (estimated)  320 000  2008	Life expectancy at birth female, years	55	1993
A	Life expectancy at birth male, years	52	1993
Withdrawal       0.1         Rhythm       0.2         Lactational amenorrhoea       1.6       2006         Modern methods (all)       5.7       2006         IUD       0.3       2006         Condom       0.3       2006         Pill       4.3       2006         Injectables       0.5       2006         Implants       -       -         Female sterilization       0.3       2006         Factors for not using modern methods among married women       N/A       -         Fear of side-effects       N/A       -         Lack of knowledge       N/A       -         Cost       N/A       -         Lack of access       N/A       -         Traditional misconceptions       N/A       -         Partner opposes       N/A       -         Unmet need for modern contraception (%)       5.7       2006         Receipt of postpartum care and family planning counselling       N/A         Incidence of sexually transmitted infection (per 100 000)       -       -         Syphilis       -       -         Gonorrhoea       -       -         Chlamydia       -       -		7.6	2006
Rhythm       0.2         Lactational amenorrhoea       1.6       2006         Modern methods (all)       5.7       2006         IUD       0.3       2006         Condom       0.3       2006         Pill       4.3       2006         Injectables       0.5       2006         Implants       -       -         Female sterilization       0.3       2006         Factors for not using modern methods among married women       N/A       -         Fear of side-effects       N/A       -         Lack of knowledge       N/A       -         Cost       N/A       -         Lack of access       N/A       -         Traditional misconceptions       N/A       -         Partner opposes       N/A       -         Unmet need for modern contraception (%)       5.7       2006         Receipt of postpartum care and family planning counselling       N/A         Incidence of sexually transmitted infection (per 100 000)       -       -         Syphillis       -       -         Gonorrhoea       -       -         Chlamydia       -       -         Trichomoniasis       -	Traditional methods (all)	1.9	2006
Lactational amenorrhoea	Withdrawal	0.1	
Modern methods (all)       5.7       2006         IUD       0.3       2006         Condom       0.3       2006         Pill       4.3       2006         Injectables       0.5       2006         Implants       -       -         Female sterilization       0.3       2006         Factors for not using modern methods among married women       N/A       N/A         Fear of side-effects       N/A       N/A         Lack of knowledge       N/A       N/A         Lack of access       N/A       N/A         Traditional misconceptions       N/A       N/A         Partner opposes       N/A       N/A         Unmet need for modern contraception (%)       5.7       2006         Receipt of postpartum care and family planning counselling       N/A         Incidence of sexually transmitted infection (per 100 000)       -       -         Syphilis       -       -         Gonorrhoea       -       -         Chlamydia       -       -         Trichomoniasis       -       -         HIV prevalence (adults aged 15-49 years) (%)       1.4 (1-2)*       2008	Rhythm	0.2	
IUD	Lactational amenorrhoea	1.6	2006
Condom Pill 4.3 2006 Pill 4.3 2006 Injectables 0.5 2006 Implants - Female sterilization 0.3 2006 Factors for not using modern methods among married women N/A Fear of side-effects N/A Lack of knowledge N/A Cost N/A Lack of access N/A Traditional misconceptions N/A Partner opposes N/A Unmet need for modern contraception (%) Receipt of postpartum care and family planning counselling N/A Incidence of sexually transmitted infection (per 100 000) Syphilis Gonorrhoea Chlamydia Trichomoniasis - HIV prevalence (adults aged 15–49 years) (%) Number of verified HIV cases (estimated) 10.3 2000 10.5 2006 10.5 200	Modern methods (all)	5.7	2006
Pill 4.3 2006   Injectables 0.5 2006   Implants   Female sterilization 0.3 2006   Factors for not using modern methods among married women N/A   Fear of side-effects N/A N/A   Lack of knowledge N/A N/A   Cost N/A N/A   Lack of access N/A N/A   Traditional misconceptions N/A N/A   Partner opposes N/A N/A   Unmet need for modern contraception (%) 5.7 2006   Receipt of postpartum care and family planning counselling N/A   Incidence of sexually transmitted infection (per 100 000) - Syphilis   Gonorrhoea   Chlamydia   Trichomoniasis   HIV prevalence (adults aged 15-49 years) (%) 1.4 (1-2)* 2008   Number of varified HIV cases (estimated) 320 000 2008	IUD	0.3	2006
Injectables 0.5 2006 Implants	Condom	0.3	2006
Implants Female sterilization  Factors for not using modern methods among married women  Fact of side-effects  Lack of knowledge  N/A  Cost  Lack of access  N/A  Traditional misconceptions  Partner opposes  Unmet need for modern contraception (%)  Receipt of postpartum care and family planning counselling  N/A  Incidence of sexually transmitted infection (per 100 000)  Syphilis  Gonorrhoea  Chlamydia  Trichomoniasis  HIV prevalence (adults aged 15–49 years) (%)  Number of verified HIV cases (estimated)  320 000  2008	Pill	4.3	2006
Female sterilization 0.3 2006  Factors for not using modern methods among married women N/A  Fear of side-effects N/A  Lack of knowledge N/A  Cost N/A  Lack of access N/A  Traditional misconceptions N/A  Partner opposes N/A  Unmet need for modern contraception (%) 5.7 2006  Receipt of postpartum care and family planning counselling N/A  Incidence of sexually transmitted infection (per 100 000) -  Syphilis -  Gonorrhoea -  Chlamydia -  Trichomoniasis  HIV prevalence (adults aged 15–49 years) (%) 1.4 (1–2)* 2008	Injectables	0.5	2006
Factors for not using modern methods among married women  Fear of side-effects  N/A  Lack of knowledge  N/A  Cost  N/A  Lack of access  N/A  Traditional misconceptions  N/A  Partner opposes  N/A  Unmet need for modern contraception (%)  Receipt of postpartum care and family planning counselling  N/A  Incidence of sexually transmitted infection (per 100 000)  Syphilis  Gonorrhoea  Chlamydia  Trichomoniasis  HIV prevalence (adults aged 15–49 years) (%)  Number of verified HIV cases (estimated)  320 000  2008	Implants		
Fear of side-effects Lack of knowledge N/A Cost N/A Lack of access N/A Traditional misconceptions N/A Partner opposes N/A Unmet need for modern contraception (%) Receipt of postpartum care and family planning counselling N/A Incidence of sexually transmitted infection (per 100 000) Syphilis Gonorrhoea Chlamydia Trichomoniasis  HIV prevalence (adults aged 15–49 years) (%)  Number of verified HIV cases (estimated)  N/A  Number of verified HIV cases (estimated)	Female sterilization	0.3	2006
Lack of knowledge  Cost  N/A  Cost  N/A  Lack of access  N/A  Traditional misconceptions  N/A  Partner opposes  N/A  Unmet need for modern contraception (%)  Receipt of postpartum care and family planning counselling  N/A  Incidence of sexually transmitted infection (per 100 000)  Syphilis  Gonorrhoea  Chlamydia  Trichomoniasis	Factors for not using modern methods among married women	N/A	
Cost N/A Lack of access N/A Traditional misconceptions N/A Partner opposes N/A Unmet need for modern contraception (%) 5.7 2006 Receipt of postpartum care and family planning counselling N/A Incidence of sexually transmitted infection (per 100 000) - Syphilis - Gonorrhoea - Chlamydia - Trichomoniasis -  HIV prevalence (adults aged 15–49 years) (%) 1.4 (1–2)* 2008	Fear of side-effects	N/A	
Lack of access N/A Traditional misconceptions N/A Partner opposes N/A Unmet need for modern contraception (%) 5.7 2006 Receipt of postpartum care and family planning counselling N/A Incidence of sexually transmitted infection (per 100 000) - Syphilis - Gonorrhoea - Chlamydia - Trichomoniasis -  HIV prevalence (adults aged 15–49 years) (%) 1.4 (1–2)* 2008	Lack of knowledge	N/A	
Traditional misconceptions Partner opposes N/A Unmet need for modern contraception (%) Receipt of postpartum care and family planning counselling N/A Incidence of sexually transmitted infection (per 100 000) Syphilis Gonorrhoea Chlamydia Trichomoniasis - HIV prevalence (adults aged 15–49 years) (%) Number of verified HIV cases (estimated)  N/A  N/A  5.7 2006 Number of verified HIV cases (estimated)	Cost	N/A	
Partner opposes N/A Unmet need for modern contraception (%) 5.7 2006 Receipt of postpartum care and family planning counselling N/A Incidence of sexually transmitted infection (per 100 000) - Syphilis - Gonorrhoea - Chlamydia - Trichomoniasis - HIV prevalence (adults aged 15–49 years) (%) 1.4 (1–2)* 2008	Lack of access	N/A	
Unmet need for modern contraception (%)  Receipt of postpartum care and family planning counselling  N/A  Incidence of sexually transmitted infection (per 100 000)  Syphilis  Gonorrhoea  Chlamydia  Trichomoniasis  -  HIV prevalence (adults aged 15–49 years) (%)  Number of verified HIV cases (estimated)  5.7  2006  N/A  1.4 (1–2)*  2008	Traditional misconceptions	N/A	
Receipt of postpartum care and family planning counselling  Incidence of sexually transmitted infection (per 100 000)  Syphilis  Gonorrhoea  Chlamydia  Trichomoniasis  HIV prevalence (adults aged 15–49 years) (%)  Number of verified HIV cases (estimated)		N/A	
Incidence of sexually transmitted infection (per 100 000)  Syphilis  Gonorrhoea  Chlamydia  Trichomoniasis  HIV prevalence (adults aged 15–49 years) (%)  Number of verified HIV cases (estimated)  320 000  2008	Unmet need for modern contraception (%)	5.7	2006
Syphilis - Gonorrhoea - Chlamydia - Trichomoniasis -  HIV prevalence (adults aged 15–49 years) (%) 1.4 (1–2)* 2008	Receipt of postpartum care and family planning counselling	N/A	
Gonorrhoea - Chlamydia - Trichomoniasis - HIV prevalence (adults aged 15–49 years) (%) 1.4 (1–2)* 2008 Number of verified HIV cases (estimated) 320 000 2008	Incidence of sexually transmitted infection (per 100 000)		
Chlamydia - Trichomoniasis -  HIV prevalence (adults aged 15–49 years) (%) 1.4 (1–2)* 2008  Number of verified HIV cases (estimated) 320 000 2008	Syphilis		
Trichomoniasis -  HIV prevalence (adults aged 15–49 years) (%)  Number of verified HIV cases (estimated)  320 000  320 8	Gonorrhoea		
HIV prevalence (adults aged 15–49 years) (%)  Number of verified HIV cases (estimated)  320 000	Chlamydia		
Number of verified HIV cases (estimated)	Trichomoniasis		
	HIV prevalence (adults aged 15–49 years) (%)		2008
	Number of verified HIV cases (estimated)	320 000 (220 000–440 000)*	2008

### Source:

# Sudan Reproductive health profile 2008





Sudan Household Health Survey, 2006

<sup>\*</sup>UNAIDS: Epidemiological Factsheet on HIV AIDS, 2008

## Health care system

In 1993 the introduction of federalism in Sudan fostered a three-layered health system structure; i.e. federal, state and local health system. The Federal Ministry of Health (FMOH) is responsible for policy-making, strategic planning and providing technical support and guidance for the states. The State Ministry of Health (SMOH) is directly responsible for the organization of health services within the state and supporting the local health system in the provision of services. The third layer in the health system structure is the local level, which emphasizes the principles of primary health care (PHC). However, continuous changes in the political and administrative systems have significantly impacted the health system within the social sector.

Health services are mainly provided through the public sector and less so through the private sector, although this has been growing recently. Services are also provided by a private mix, especially through nongovernmental organizations in conflict-affected areas. The largest network of health care facilities is under the PHC level, encompassing more than 6212 health facilities. However, a health facility survey in 2003 showed that 36% of health facilities were found to be non-functioning.

Overall, the coverage and utilization of health services is low. Basic health services need to be strengthened to address the main causes of morbidity and mortality. The MOH is faced with many problems; among them turnover of human resources, inadequate local resource allocations for health and inadequate technical capacities and logistics.

## Reproductive health

The Government of Sudan is committed and will continue in its commitment to the regional and international mandates and agreements concerning maternal health and well-being. The Federal Ministry of Health envisaged these international mandates in its strategies and plans. Maternal health is well addressed in the MOH's 25-year strategy (2003–2027) and the 5-year strategy (2007–2011). In addition the Reproductive Health Directorate has its own endorsed 5-year reproductive health policy and strategy guiding documents.



In Sudan the maternal mortality ratio (MMR) stands at 1107 per 100 000 live births and the neonatal mortality rate is 41 per 1000 live births. Within the last seven years contraceptive prevalence has increased by a mere 0.6%. Antenatal care services are provided by 20.4% of facilities (Annual reproductive health report 2007), and 71% of women have access to antenatal care irrespective of the quality (Sudan Household Health Survey 2006). Home deliveries account for more than 80% of all pregnancies and the total coverage by trained midwives is still only 49.2%. Three new midwifery schools have been established to accelerate the achievement of the safe motherhood targets. With regard to emergency obstetric care, only 57% of hospitals are providing adequate comprehensive emergency obstetric care services with the issue of blood transfusion presenting a major challenge. Obstetric fistula is widely prevalent, especially in conflict-affected areas. Birth weight and gestational age are major determinants for neonatal survival, and the commonest prevailing problems include respiratory distress syndrome and hypoxic ischemic encephalopathy. The decrease in prevalence of female genital mutilation (now 69%) is one of the few achievements highlighted by the Sudan Household Health Survey.

# Reproductive health programmes funded by international donors

Partnership with agencies working in reproductive health has been a main target for 2007, and the federal reproductive health programme has worked on strengthening these ties. The main partners are WHO, United Nations Population Fund (UNFPA) and UNICEF, in addition to other smaller organizations that provide services and capacity-building interventions for reproductive health staff. UNFPA provides support to

five states; UNICEF to three states and WHO provides support inclusive of all states. In addition, the World Bank is supporting health system strengthening in four states, thus contributing to improving reproductive health services in these states.

In November 2007, the national Reproductive Health Directorate organized a workshop for all partners working on reproductive health issues. The aim was to orientate all partners to the national priorities and strategic targets in order to streamline all efforts for better outcomes. The mandates and areas of work for each organization were reviewed, and national directives (reproductive health 5-year strategy, policy and standards) were distributed to provide guidance to implementation of the different reproductive health interventions.

