

Tables

Table 1: Number of births, person years, crude fertility rate and total fertility rate by demographic and HIV/ART variables, 2005-2014

Variable/level	Number of births	Person years	Fertility rate per 1000 person years (95% CI)	Total fertility rate
Overall	13583	77726.5	174.8 (171.8 - 177.7)	5.2 (4.9 - 5.4)
<i>Age group</i>				
15-19 years	2930	18095.7	161.9 (156.2 - 167.9)	
20-24 years	4035	14903.4	270.7 (262.5 - 279.2)	
25-29 years	3206	13285.5	241.3 (233.1 - 249.8)	
30-34 years	2030	11116.8	182.6 (174.8 - 190.7)	
35-39 years	1060	8490.4	124.8 (117.6 - 132.6)	
40-44 years	301	6547.9	46.0 (41.1 - 51.5)	
45-49 years	21	5286.7	4.0 (2.6 - 6.1)	
<i>Marital status</i>				
Never married	710	13118.6	54.1 (50.3 - 58.3)	1.9 (1.3 - 2.9)
Married	9800	43325.2	226.2 (221.8 - 230.7)	7.0 (6.7 - 7.4)
Divorced	96	2447.6	39.2 (32.1 - 47.9)	2.2 (1.2 - 6.0)
Widowed	608	6294.6	96.6 (89.2 - 104.6)	3.3 (2.7 - 4.1)
Unknown	2369	12540.3	188.9 (181.5 - 196.7)	5.6 (5.1 - 6.2)
<i>Highest education level¹</i>				
None	132	1307.2	101.0 (85.1 - 119.8)	3.8 (2.5 - 6.0)
1-3y primary	546	3600.9	151.6 (139.4 - 164.9)	5.6 (4.6 - 6.9)
4-7y primary	5068	27754.0	182.6 (177.6 - 187.7)	5.6 (5.3 - 6.1)
Primary completed	3565	20701.7	172.2 (166.6 - 178.0)	5.2 (4.8 - 5.7)
JCE completed	2010	11077.7	181.4 (173.7 - 189.6)	4.7 (4.1 - 5.4)
MSCE completed	1056	7161.9	147.4 (138.8 - 156.6)	3.9 (3.3 - 4.8)
Unknown	1206	6123.2	197.0 (186.1 - 208.4)	5.6 (4.8 - 6.5)
<i>Time period</i>				
2005-06	2893	14058.7	205.8 (198.4 - 213.4)	6.0 (5.4 - 6.6)
2007-10	5435	29751.7	182.7 (177.9 - 187.6)	5.4 (5.0 - 5.8)
2011-14	5255	33916.1	154.9 (150.8 - 159.2)	4.6 (4.3 - 4.9)
<i>Time living in DSS area</i>				
<2 years	796	5032.7	158.2 (147.6 - 169.5)	4.9 (4.0 - 6.4)
<4 years	1497	9771.5	153.2 (145.6 - 161.2)	4.7 (4.0 - 5.5)
<6 years	1682	10906.5	154.2 (147.0 - 161.8)	4.6 (4.0 - 5.4)
<8 years	1895	11127.4	170.3 (162.8 - 178.1)	4.8 (4.2 - 5.5)
<10 years	7713	40888.4	188.6 (184.5 - 192.9)	5.8 (5.5 - 6.2)
<i>HIV/ART status</i>				
Negative	9391	50529.8	185.9 (182.1 - 189.6)	5.4 (5.1 - 5.7)
Positive	626	6004.9	104.2 (96.4 - 112.7)	4.3 (3.5 - 5.3)
HIV positive, on ART at least 9 months	158	2225.3	71.0 (60.8 - 83.0)	3.4 (2.2 - 5.9)
HIV positive, not (yet) on ART	294	2478.6	118.6 (105.8 - 133)	4.1 (3.1 - 5.6)
HIV positive, started ART in pregnancy	102	486.3	209.7 (172.7 - 254.7)	10.5 (6.1 - 18.5)
HIV positive, unknown if on ART	72	814.7	88.4 (70.2 - 111.3)	3.7 (2.0 - 7.5)
Unknown	3566	21191.8	168.3 (162.8 - 173.9)	5.2 (4.9 - 5.4)

¹JCE=Junior certificate of education, taken after 2 years of secondary school, MSCE=Malawi school certificate of education, taken after completing secondary school (4 years)

Table 2: Total fertility rate (and number of births) by HIV/ART status and year

		2005-06	2007-10	2011-14	Overall	
Overall	TFR	6.0	5.4	4.6	5.2	
	(95% CI)	(5.4 - 6.6)	(5.0 - 5.8)	(4.3 - 4.9)	(4.9 - 5.4)	
	N	2893	5435	5255	13583	
	PY	14058.7	29751.7	33916.1	77726.5	
Unknown	TFR	6.1	4.7	2.8	5.2	
	(95% CI)	(5.5 - 6.8)	(3.9 - 5.7)	(2.1 - 4.0)	(4.8 - 5.7)	
	N	2526	669	371	3566	
	PY	11971.4	4300.9	4919.6	21191.8	
Negative	TFR	6.1	5.7	5.1	5.4	
	(95% CI)	(4.6 - 8.1)	(5.3 - 6.2)	(4.8 - 5.5)	(5.1 - 5.7)	
	N	323	4455	4613	9391	
	PY	1579.5	22851.4	26098.9	50529.8	
Positive	TFR	3.7	4.3	4.4	4.3	
	(95% CI)	(1.7 - 8.4)	(3.2 - 6.0)	(3.2 - 6.1)	(3.5 - 5.3)	
	N	44	311	271	626	
	PY	507.9	2599.4	2897.6	6004.9	
Positive	On ART >=9 months	TFR	1.3	3.2	3.7	3.4
		(95% CI)	(0.2 - 8.9)	(1.5 - 10.1)	(2.2 - 7.1)	(2.2 - 5.9)
		N	1	61	96	158
		PY	56.8	750.3	1418.3	2225.3
	Not (yet) on ART	TFR	3.7	4.3	3.8	4.1
		(95% CI)	(1.5 - 9.8)	(3.0 - 6.3)	(2.1 - 7.3)	(3.1 - 5.6)
		N	32	199	63	294
		PY	332.5	1526.1	620.0	2478.6
	On ART less than 9 months	TFR	1.1	7.2	14.4	10.5
		(95% CI)	(0.2 - 5.6)	(2.5 - 28.0)	(7.6 - 27.6)	(6.1 - 18.5)
		N	3	37	62	102
		PY	80.0	229.4	177.0	486.3
Unknown ART	TFR	5.5	5.1	3.2	3.7	
	(95% CI)	(1.3 - 27.6)	(1.8 - 18.2)	(1.5 - 8.2)	(2.0 - 7.5)	
	N	8	14	50	72	
	PY	38.6	93.7	682.3	814.7	

Table 3: Hazard ratio of live-birth event controlling for age, marital status and education level¹ in HIV-positive women compared to HIV-negative women, by ART usage and year

Time period	HIV-positive, on ART HR (95% CI)	HIV-positive, not (yet) on ART HR (95%CI)
2005-6	0.3 (0.0 – 1.9)	0.7 (0.4 – 1.0)
2007-10	0.8 (0.6 – 1.0)	0.8 (0.7 – 1.0)
2011-14	0.7 (0.6 - 0.9)	0.8 (0.6 – 1.0)

¹ Categories used as in table 1

Table 4: Fertility rates in HIV-positive women on ART, by years since ART initiation

		Years since ART initiation			
		1	2	3	4 or more
Overall	No. of births	33	37	33	52
	Fertility rate (95% CI)	65.4 (46.5-91.9)	86.8 (62.9-119.8)	94.0 (66.8-132.3)	64.8 (49.4-85.0)
15-19 years	No. of births	1	1		
	Fertility rate (95% CI)	100.0 (14.1-709.9)	120.7 (17.0-856.8)		
20-29 years	No. of births	13	12	11	13
	Fertility rate (95% CI)	150.6 (87.4-259.3)	202.1 (114.7-355.8)	286.4 (158.6-517.2)	240.1 (139.4-413.4)
30-49 years	No. of births	19	24	22	39
	Fertility rate (95% CI)	52.6 (38.5-72.0)	66.9 (44.9-99.8)	71.8 (47.3-109.1)	52.6 (38.5-72.0)

¹ Rates in women in ART for less than one year excluded due to Option B+