	Model 1	Model 2	Model 3	Target feature	Source
Demography					World Bank, 2018
Average annual population growth rate in 2000 - 2016	-0.20%	1.10%	2.20%	1.50%	
HIV prevalence	0.2070	1.1070	2.2070	1.00 /0	Bicego et al. 2013
18-19 year-old women	18.30%	17.00%	23.10%	14.30%	Dioego et al. 2010
18-19 year-old men	1.40%	1.20%	3.40%	0.80%	
20-24 year-old women	29.20%	30.10%	32.80%	31.50%	
20-24 year-old men	7.50%	7.90%	10.30%	6.60%	
25-29 year-old women	47.00%	44.80%	41.90%	46.70%	
25-29 year-old men	21.40%	21.70%	23.80%	21.30%	
30-34 year-old women	52.70%	55.50%	44.60%	53.80%	
30-34 year-old men	35.50%	36.90%	38.30%	36.60%	
35-39 year-old women	50.80%	50.80%	41.80%	49.10%	
35-39 year-old men	38.50%	42.40%	42.50%	47.00%	
40-44 year-old women	45.00%	46.70%	42.40%	39.70%	
40-44 year-old men	37.90%	41.80%	41.70%	45.50%	
45-49 year-old women	39.70%	43.00%	33.40%	31.60%	
45-49 year-old men	33.60%	36.40%	32.40%	42.50%	
HIV incidence (per 100 person-years)	00.00 //		02.1070	12.0070	Justman et al. 201
18-19 year-old women	6.3	5.2	6	3.8	
18-19 year-old men	0.8	1	1.9	0.8	
20-24 year-old women	5.2	5	4.7	4.3	
20-24 year-old men	2.6	2.8	2.9	1.6	
25-29 year-old women	2.4	3.2	2.8	2	
25-29 year-old men	4.7	4.3	4.8	2.6	
30-34 year-old women	1.5	5.6	2.2	2.7	
30-34 year-old men	2.9	4.7	5.4	3.1	
35-39 year-old women	1.3	0.7	0.9	4	
35-39 year-old men	2.5	3.4	2.5	0.4	
40-44 year-old women	0.8	0.2	0.6	2.1	
40-44 year-old men	1.4	1.7	2.8	1.2	
45-49 year-old women	0	0.7	0.3	1.2	
45-49 year-old men	0	1.4	1.3	0	
ART coverage in >=15 year-old adults					UNAIDS, 2019
2010	39.90%	34.20%	25.00%	37%	
2011	46.10%	40.30%	32.00%	40%	
2012	49.40%	43.60%	36.60%	44%	
2013	51.30%	46.00%	40.20%	49%	
2014	64.30%	62.20%	58.50%	58%	
2015	64.80%	64.30%	62.10%	67%	
2016	65.10%	66.20%	64.20%	76%	
2017	78.90%	83.10%	84.20%	85%	

fraction of >=15 year-old adults who were virally suppressed (less than 1000 viral copies per mL blood)	82.50%	85.80%	86.80%	74%	
<i>HIV prevalence in 15-49 year-old adults</i>					UNAIDS, 2019
1990	2.20%	1.70%	1.90%	1.70%	
1991	3.90%	2.40%	3.10%	3.30%	
1992	6.10%	3.80%	5.00%	5.70%	
1993	8.60%	5.60%	7.90%	8.80%	
1994	11.80%	7.90%	11.50%	12.40%	
1995	15.40%	11.10%	15.40%	16.10%	
1996	18.90%	13.90%	18.60%	19.40%	
1997	21.90%	16.40%	20.60%	22.00%	
1998	24.50%	18.90%	22.00%	23.90%	
1999	26.20%	20.80%	22.60%	25.10%	
2000	27.10%	22.00%	22.90%	25.80%	
2001	27.60%	22.80%	23.00%	26.10%	
2002	28.10%	23.50%	22.90%	26.10%	
2003	28.10%	24.20%	22.50%	25.90%	
2004	27.90%	24.50%	22.40%	25.70%	
2005	27.70%	24.80%	22.30%	25.50%	
2006	27.40%	24.80%	22.20%	25.60%	
2007	27.30%	24.80%	22.60%	25.90%	
2008	26.80%	25.00%	22.80%	26.30%	
2009	26.90%	25.30%	23.20%	26.80%	
2010	26.70%	25.40%	23.70%	27.40%	
2011	26.30%	25.40%	24.20%	27.80%	
2012	26.10%	25.40%	24.60%	28.20%	
2013	26.20%	25.50%	25.00%	28.40%	
2014	25.90%	25.50%	25.00%	28.40%	
2015	25.70%	25.20%	25.00%	28.30%	
2016	25.50%	25.00%	24.90%	27.90%	
2017	25.10%	24.40%	24.50%	27.40%	