

Mathematical Modeling of the HIV Epidemic in Indonesia 2008-2014

		2008	2009	2010	2011	2012	2013	2014
Spectrum (Total)	PLHIV Total	293200	333500	371800	413000	451700	482800	541700
	Male	221200	249900	276900	305700	332300	352900	393700
	Female	72000	83600	94900	107300	119400	129900	148000
	Cum. Deaths	30900	43500	62000	85300	114000	147600	185700
	Male	24400	34300	48800	66900	89100	115000	144000
	Female	6500	9200	13200	18400	24900	32600	41700
	PMTCT Need	4560	5170	5730	6340	6890	7320	8170
	Children born HIV+	1070	1070	1100	1220	1340	1420	1590
Spectrum (Age 15-49)	PLHIV Total	277700	314500	349100	386300	421100	477900	501400
	Male	211000	237400	261900	288200	288200	330700	368400
	Female	66700	77100	87200	98100	132900	147200	133000
	New Infections	51300	51900	55700	62600	63200	66600	79200
	Male	38300	38500	41200	45900	46600	49000	57600
	Female	13000	13400	14500	16700	16600	17600	21600
	Deaths	10400	11200	16400	20500	25200	29300	32900
	Male	8400	8900	13000	16100	19600	22700	25300
	Female	2000	2300	3400	4400	5600	6600	7600
	ART Need	30100	40200	50400	60300	69500	78400	86800
	Male	24500	32500	40400	48000	55000	61500	67700
	Female	5600	7700	10000	12300	14500	16900	19100
Spectrum Children (Age 0-15)	PLHIV Total	2470	3030	3590	4210	4860	5520	6240
	Male	1260	1550	1840	2150	2490	2820	3190
	Female	1210	1480	1750	2060	2370	2700	3050
	New Infections	1070	1070	1100	1220	1340	1420	1590
	Male	550	550	560	630	680	730	820
	Female	520	520	540	590	660	690	770
	Deaths	520	510	530	600	670	750	860
	Male	270	260	270	310	350	380	440
	Female	250	250	260	290	320	370	420
	ART Need	930	1120	1360	1660	1970	2290	2660
	Male	480	570	700	850	1010	1170	1360
	Female	450	550	660	810	960	1120	1300
AEM Children	New HIV	2448	3045	3637	4214	4774	5297	5775
	Cum Children	7546	10591	14220	18442	23215	28512	34287
	Children living with HIV	4048	5503	7152	8962	10902	12934	15018
AEM Total epidem	New infections	51045	55155	59375	63689	68117	72493	76944
	Cumulative	319766	374921	434297	497985	566103	638596	715540
	Current	292054	332408	373086	413664	453334	492784	532226

Source: Pemodelan Matematika Epidemic HIV Di Indonesia Tahun 2008-2014,
Ministry of Health Republic of Indonesia, 1 December 2008