

Online supplement to: Glass, Myer, Lesosky (2019). The role of HIV viral load in mathematical models of HIV transmission and treatment: a review

Supplementary Table 1: Summary of HIV mathematical models

Variable	Number of studies	Percentage	
Intervention	ART	75	25,9
	Condom use	14	4,8
	Circumcision	16	5,5
	IDU interventions	2	0,7
	Microbicides	6	2,1
	PMTCT	5	1,7
	PrEP	33	11,4
	Vaccines	6	2,1
	Drug resistance	17	5,9
	HIV Testing	30	10,3
	Viral load (incl. monitoring)	17	5,9
	Pharmacokinetic	11	3,8
Other	58	20,0	
Population	MSM	40	15,2
	FSW	20	7,6
	IDU/PWID	15	5,7
	Pregnant and postpartum/breastfeeding women	12	4,6
	Infants	2	0,8
	Heterosexual	127	48,3
	Other	47	17,9
Setting	Africa	55	17,6
	Sub Saharan Africa	123	39,4
	America (North and South)	32	10,3
	Europe	17	5,4
	Asia	25	8,0
	Other	60	19,2
Type of Model	Deterministic	181	64,9
	Stochastic	65	23,3
	Other	33	11,8
	Individual	65	23,3
	Population	183	65,6
	Other	31	11,1
Models could be included in more than one category and the sections may sum to >100%.			
PMTCT – Prevention of mother to child transmission; PrEP - Pre-exposure prophylaxis (PrEP); MSM - Men who have sex with men; FSW - Female sex workers; IDU/PWID - intravenous drug user/ persons who inject drugs			