

SUPPLEMENTARY MATERIAL

Table S1: Prevalence of HIV in Uganda among individuals aged 30 to 69 years

Age (years)	Women	Men
30-34	11·4 (9·7-13·0)	5·6 (4·2-6·8)
35-39	12·9 (10·9-14·8)	9·1 (7·2-11·1)
40-44	11·9 (9·6-14·2)	10·8 (8·6-13·0)
45-49	12·8 (10·4-15·1)	14·0 (11·4-16·5)
50-54	10·5 (7·9-12·9)	9·7 (7·0-12·3)
55-59	9·4 (6·3-12·3)	8·9 (5·8-12·0)
60-64	6·9 (4·2-9·6)	5·3 (3·2-7·2)
65-69	5·1 (3·1-7·1)	3·2 (1·9-4·3)

Source: Uganda Population Based HIV Impact Survey.(1)

Figure S1: Comparison of cardiovascular disease (CVD) mortality rates for Uganda in 2016 in the Globorisk study and Global Burden of Disease study

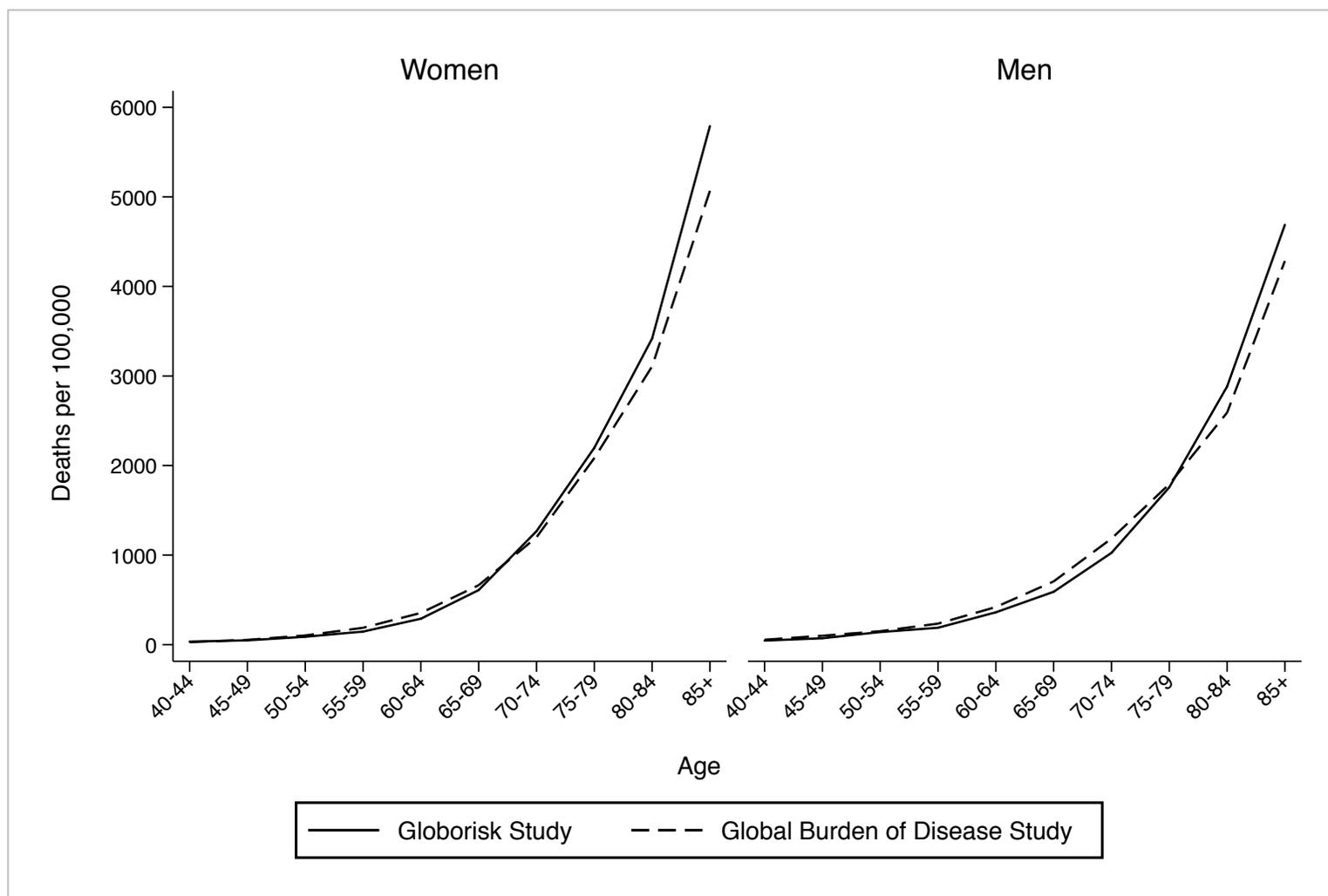
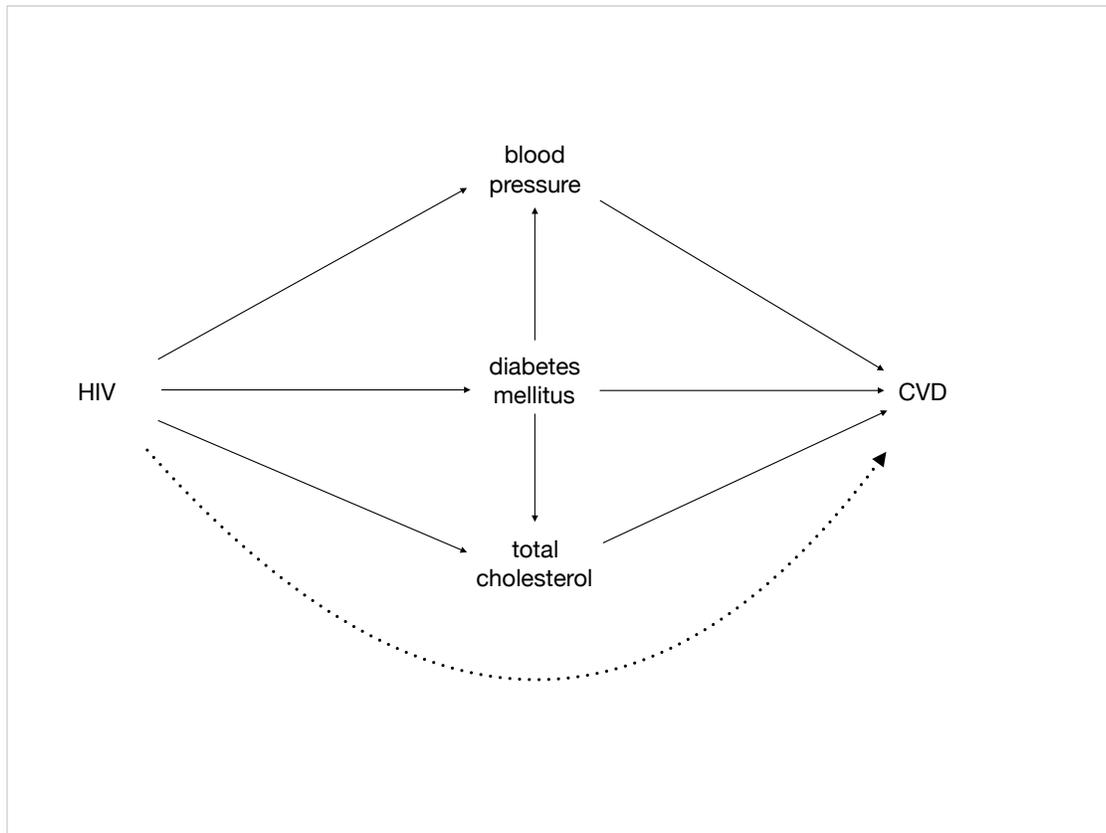
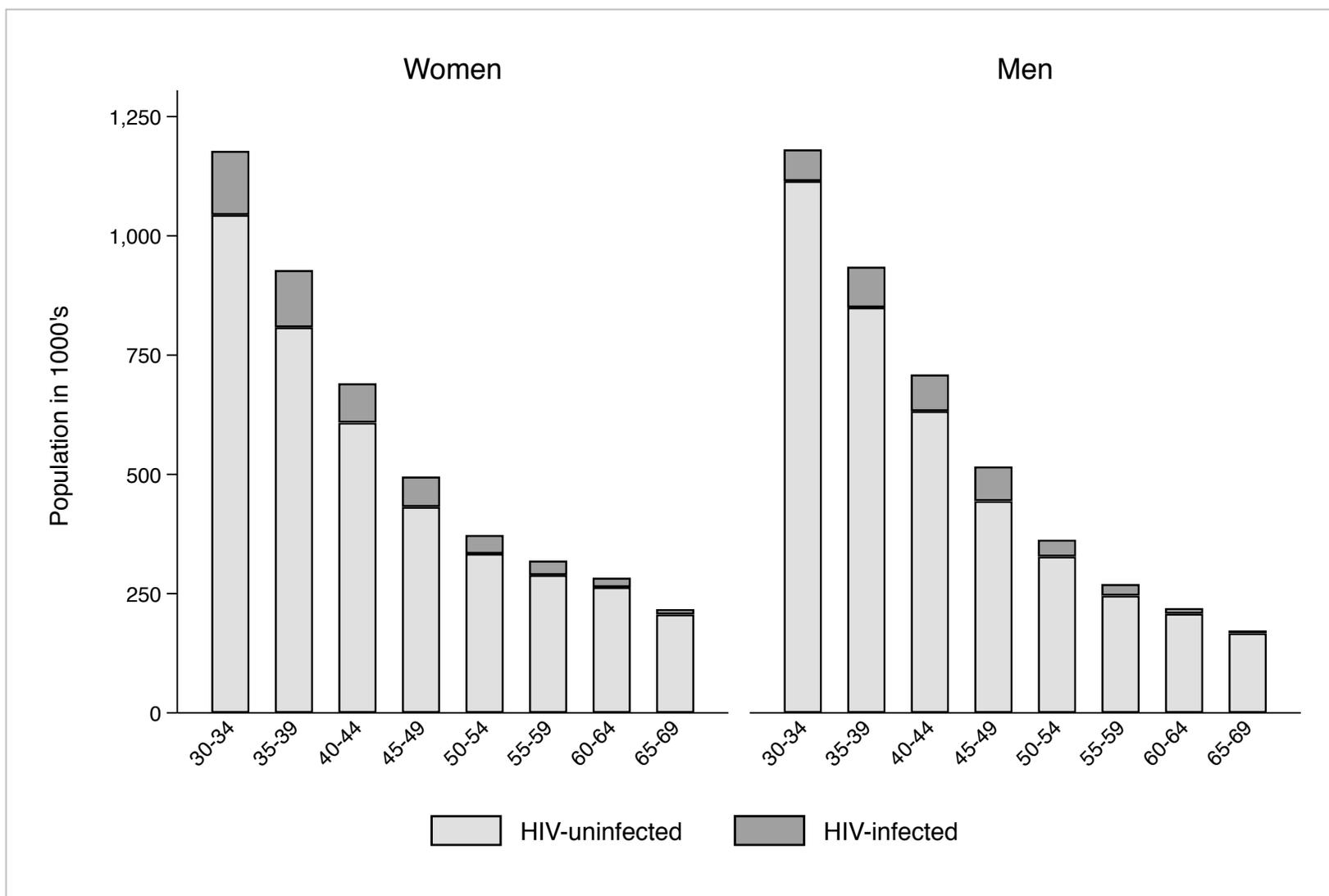


Figure S2: Causal graph for the effects of HIV on risk for stroke and coronary heart disease.



CVD: cardiovascular diseases.
Direct effect of HIV on CVD indicated as dotted line.

Figure S3: Uganda's population estimates by age, sex and HIV status for 2015



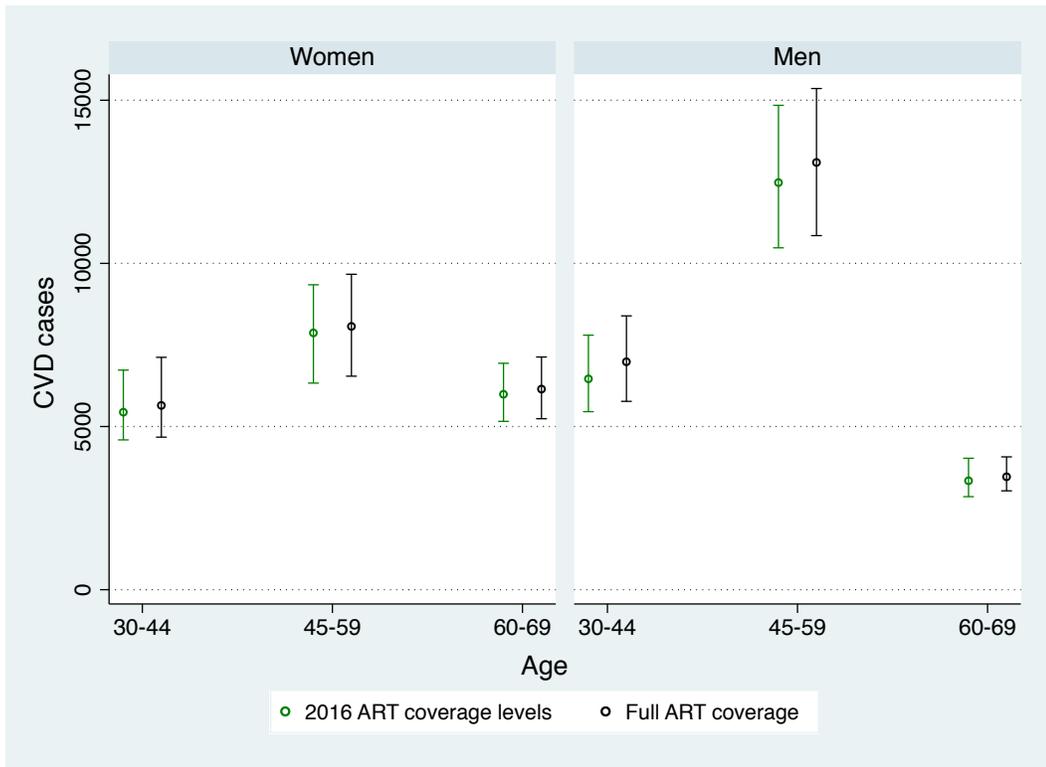
Source: United Nations Population Division and Uganda Population Based HIV Impact Survey.(2)

Table S2. Estimated mean values of systolic blood pressure, diastolic blood pressure and total cholesterol by age, sex and HIV status.

	Age (years)	SBP, mmHg Mean (95% UR)	DBP, mmHg Mean (95% UR)	TC, mmol/L Mean (95% UR)	
Women	HIV-uninfected	30-44	122 (121-124)	82 (81-83)	3.9 (3.8-4.0)
		45-59	135 (133-138)	86 (85-87)	4.1 (4.0-4.2)
		60-69	143 (139-148)	85 (83-87)	4.1 (3.9-4.3)
	HIV-infected	30-44	117 (114-120)	80 (78-81)	3.8 (3.4-4.2)
		45-59	130 (126-133)	83 (81-85)	4.0 (3.6-4.4)
		60-69	138 (132-144)	83 (79-86)	4.0 (3.5-4.5)
Men	HIV-uninfected	30-44	126 (125-128)	82 (81-83)	3.7 (3.6-3.8)
		45-59	132 (129-134)	84 (82-85)	3.9 (3.7-4.0)
		60-69	134 (129-138)	82 (80-84)	3.9 (3.7-4.1)
	HIV-infected	30-44	121 (118-123)	79 (77-81)	3.4 (3.1-3.8)
		45-59	126 (123-129)	81 (79-83)	3.5 (3.2-3.8)
		60-69	128 (121-135)	79 (76-83)	3.6 (3.1-4.0)

SBP: systolic blood pressure, DBP: diastolic blood pressure, TC: total cholesterol, UR: uncertainty range.

Figure S4. Estimated cardiovascular disease (CVD) cases among HIV-infected individuals for different ART coverage scenarios.



ART = antiretroviral therapy.

† 77% of HIV-infected women and 54% of HIV-infected men were on ART in 2016. (3)

References

1. Ministry of Health-Uganda. Uganda Population Based HIV Impact Survey. https://phia.icap.columbia.edu/wp-content/uploads/2018/07/3430•PHIA-Uganda-SS_NEW.v14.pdf Accessed November, 12 2019.
2. World Population Prospects - Population Division - United Nations. <https://esa.un.org/unpd/wpp/Graphs/DemographicProfiles/> . Accessed April, 11 2018.
3. Ministry of Health - Uganda. Consolidated Guidelines for Prevention and Treatment of HIV in Uganda. Kampala Uganda. <http://library.health.go.ug/publications/hivaids/consolidated-guidelines-prevention-and-treatment-hiv-uganda> Accessed August 17, 2020.