

Table S1. Age- and period-specific mortality rates (MR), excess mortality rates (EMR) and mortality rate ratios (MRR) among HIV-infected individuals and population controls.

Variables	Age					
	50-55 years	55-60 years	60-65 years	65-70 years	70-75 years	75-80 years
Patients observed during 1996-1999						
MR HIV, per 1.000 PYR (95 %CI)*	39.9 (27.7-57.5)	53.0 (33.4-84.1)	100.6 (59.6-169.9)	87.4 (41.6-183.3)	107.6 (26.9-430.3)	1,159.8 (435.3-3,090.1)
MR Population controls, per 1.000 PYR (95 %CI)	7.2 (5.1-10.1)	11.0 (7.4-16.3)	14.7 (8.8-24.3)	17.1 (8.9-32.8)	38.9 (17.5-86.5)	45.9 (14.8-142.2)
Excess mortality rate per 1,000 PYR (95% CI)	32.8 (18.3-47.2)	42.0 (17.8-66.2)	86.0 (35.4-136.5)	70.3 (7.5-133.1)	68.8 (-7.5-213.0)	-
MRR (HIV vs. Population controls), (95% CI)	6.3 (3.8-10.6)	4.7 (2.6-8.5)	5.2 (2.6-10.4)	4.1 (1.6-10.6)	5.3 (0.9-31.7)	-
Patients observed during 2000-2005						
MR HIV, per 1.000 PYR (95 %CI)	26.3 (19.6-35.2)	30.9 (22.8-42.0)	41.2 (28.0-60.5)	68.4 (41.2-113.5)	87.5 (47.1-162.7)	118.7 (38.3-368.2)
MR Population controls, per 1.000 PYR (95 %CI)	6.7 (5.3-8.4)	7.4 (5.8-9.4)	13.5 (10.6-17.3)	23.1 (17.8-30.8)	37.2 (26.4-52.3)	65.4 (40.1-106.8)
Excess mortality rate per 1,000 PYR (95% CI)	19.6 (11.9-27.4)	23.5 (14.0-32.0)	27.6 (11.8-43.5)	45.3 (11.3-79.4)	50.4 (-2.9-103.7)	53.4 (-7.7-183.3)
MRR (HIV vs. Population controls)	3.8 (2.6-5.4)	4.2 (2.8-6.1)	3.0 (1.9-4.8)	3.4 (1.8-5.0)	2.6 (1.3-5.2)	1.5 (0.5-5.2)
Patients observed during 2006-2014						
MR HIV, per 1.000 PYR (95 %CI)	17.5 (13.9-22.0)	25.5 (20.3-32.0)	32.7 (26.0-41.2)	44.4 (34.4-57.5)	45.9 (30.2-69.7)	66.0 (37.5-116.2)
MR Population controls, per 1.000 PYR (95 %CI)	5.3 (4.5-6.2)	9.2 (8.0-10.7)	11.8 (10.3-13.6)	18.2 (15.8-20.9)	28.6 (24.0-34.0)	44.1 (35.3-55.0)
Excess mortality rate per 1,000 PYR, (95% CI)	12.2 (8.1-16.3)	16.3 (10.4-22.1)	20.9 (13.3-28.5)	26.3 (14.8-37.8)	17.4 (-2.0-3.7)	21.9 (-15.4-59.3)
MRR (HIV vs. Population controls), (95% CI)	3.3 (2.5-4.4)	3.0 (2.3-3.9)	2.4 (1.9-3.2)	2.6 (1.9-3.5)	1.6 (1.0-2.5)	1.2 (0.7-2.2)
MRR for HIV-infected individuals, (95% CI)						
Observed during 1996-1999	1.5 (1.0-2.4)	1.8 (1.0-3.1)	2.5 (1.3-4.7)	1.2 (0.5-3.0)	1.2 (0.3-5.5)	9.5 (1.7-53.7)
Observed during 2000-2005	1.5 (1.0-2.2)	1.2 (0.8-1.8)	1.3 (0.8-2.0)	1.6 (0.9-2.8)	1.9 (0.9-3.9)	1.8 (0.5-6.3)
Observed during 2006-2014	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.

- 95% CI: 95% confidence interval