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## **HIV-infected adults with a CD4 cell count greater than 500 cells/mm<sup>3</sup> on long-term combination antiretroviral therapy reach same mortality rates as the general population.**

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Table 1. Mortality rates and standardized mortality ratio (SMR) in HIV-infected adults, ANRS CO8 APROCO-COPILOTE and ANRS CO3 AQUITAINE cohorts, 1997-2005, overall and according to gender, HIV transmission group and co-infection by hepatitis C virus at baseline.

	N	Median follow-up (years)	(interquartile range, IQR)	Person-years (PY)	Deaths (n)	Rates (/100 PY)	(95% CI)	SMR	(95% CI)
Overall	2435	6.8	(4.1-7.9)	13954	288	2.1	(1.8-2.3)	7.0	(6.2-7.8)
Men	1864	6.9	(4.1-7.9)	10777	226	2.1	(1.8-2.4)	4.8	(4.2-5.5)
Women	571	6.5	(3.9-7.8)	3177	62	2.0	(1.5-2.4)	13.0	(10.0-16.7)
Hepatitis C									
positive	574	6.4	(3.6-7.8)	3163	99	3.1	(2.5-3.7)	13.9	(11.3-17.0)
negative	1434	7.0	(4.4-7.9)	8519	120	1.4	(1.2-1.7)	4.4	(3.6-5.2)
HIV transmission group									
injecting drug users	527	6.2	(3.2-7.8)	2849	93	3.3	(2.6-3.9)	16.3	(13.2-20.0)
others	1908	6.9	(4.2-7.9)	11104	195	1.8	(1.5-2.0)	5.5	(4.7-6.3)

HIV: Human Immunodeficiency Virus; CI: confidence interval

Table 2. Mortality rates and standardized mortality ratio (SMR) in HIV-infected adults, ANRS CO8 APROCO-COPILOTE and ANRS CO3 AQUITAINE cohorts, 1997-2005, according to cumulated time spent within each category of CD4 cell count.

	N patients	Median time spent (years)	(interquartile range, IQR)	Person-years (PY)	Deaths (n)	Rates (/100 PY)	(95% CI)	SMR	(95% CI)
CD4 cell count $\geq 500/\text{mm}^3$	1208	4.5	(2.1-7.0)	5402	37	0.7	(0.5-0.9)	2.5	(1.8-3.5)
CD4 cell count 350 to 499/ $\text{mm}^3$	1263	2.0	(1.0-4.0)	3446	40	1.2	(0.8-1.5)	3.5	(2.5-4.8)
CD4 cell count 200 to 349/ $\text{mm}^3$	1296	2.0	(0.6-3.9)	3178	56	1.8	(1.3-2.2)	5.6	(4.2-7.2)
CD4 cell count $<200/\text{mm}^3$	1118	0.6	(0.2-2.7)	1928	155	8.0	(6.8-9.3)	30.3	(25.8-35.5)

HIV: Human Immunodeficiency Virus; CI: confidence interval

Table 3. Mortality rates and standardized mortality ratio (SMR) in HIV-infected adults, ANRS CO8 APROCO-COPILOTE and ANRS CO3 AQUITAINE cohorts, 1997-2005, according to cumulated time spent with CD4 cell count  $\geq 500$  /mm<sup>3</sup>, after the time of truncation<sup>§</sup>.

Time of truncation <sup>§</sup> after initiation of cART (year)	Total			Patients with CD4 $\geq 500$ /mm <sup>3</sup> after the time of truncation								
	N patients	Person-years (PY)	Deaths (n)	N patients	Median time spent (years)	(interquartile range, IQR)	PY	Deaths (n)	Rates (/100 PY)	(95% CI)	SMR	(95% CI)
0	2435	13954	288	1208	4.5	(2.1-7.0)	5402	37	0.7	(0.5-0.9)	2.5	(1.8-3.5)
1	2182	11685	208	1156	4.2	(2.1-6.4)	4817	29	0.6	(0.4-0.8)	2.1	(1.4-3.1)
2	2065	9561	176	1083	4.0	(2.1-5.6)	4080	26	0.6	(0.4-0.9)	2.2	(1.4-3.2)
3	1949	7551	141	1031	3.5	(1.8-4.8)	3345	22	0.7	(0.4-0.9)	2.1	(1.3-3.2)
4	1835	5660	108	967	3.0	(1.5-3.8)	2606	18	0.7	(0.4-1.0)	2.1	(1.3-3.4)
5	1648	3915	62	864	2.4	(1.4-3.0)	1880	12	0.6	(0.3-1.0)	1.9	(1.0-3.2)
6	1430	2389	25	763	1.6	(1.0-2.2)	1189	2	0.2	(0.0-0.4)	0.5	(0.1-1.6)
7	1143	1084	6	610	0.9	(0.5-1.3)	543	1	0.2	(0.0-0.5)	0.5	(0.0-2.6)

<sup>§</sup>truncation: the time period taken into account starts 1, 2, 3,... years after initiation of cART

HIV: Human Immunodeficiency Virus; cART: combination antiretroviral therapy; CI: confidence interval

Table 4. Mortality rates and standardized mortality ratio (SMR) in HIV-infected adults, ANRS CO8 APROCO-COPILOTE and ANRS CO3 AQUITAINE cohorts, 1997-2005, according to time spent with CD4 cell count between 350 and 499 /mm<sup>3</sup>, after the time of truncation<sup>§</sup>.

Time of truncation <sup>§</sup> after initiation of cART (year)	Total			Patients with CD4 350 to 499 /mm <sup>3</sup> after the time of truncation								
	N patients	Person-years (PY)	Deaths (n)	N patients	Median time spent (years)	(interquartile range, IQR)	PY	Deaths (n)	Rates (/100 PY)	(95% CI)	SMR	(95% CI)
0	2435	13954	288	1263	2.0	(1.0-4.0)	3446	40	1.2	(0.8-1.5)	3.5	(2.5-4.8)
1	2182	11685	208	1036	2.5	(1.4-4.0)	2960	35	1.2	(0.8-1.6)	3.4	(2.4-4.8)
2	2065	9561	176	915	2.2	(1.4-3.7)	2434	29	1.2	(0.8-1.6)	3.3	(2.2-4.7)
3	1949	7551	141	816	2.0	(1.1-3.4)	1925	26	1.4	(0.8-1.9)	3.6	(2.3-5.2)
4	1835	5660	108	705	1.9	(1.0-3.0)	1430	20	1.4	(0.8-2.0)	3.5	(2.2-5.5)
5	1648	3915	62	557	1.7	(0.8-2.7)	971	10	1.0	(0.4-1.7)	2.5	(1.2-4.6)
6	1430	2389	25	410	1.5	(0.7-2.0)	572	5	0.9	(0.1-1.6)	2.0	(0.7-4.8)
7	1143	1084	6	286	0.8	(0.5-1.3)	257	2	0.8	(0.0-1.9)	1.9	(0.2-6.7)

<sup>§</sup>truncation: the time period taken into account starts 1, 2, 3,... years after initiation of cART

HIV: Human Immunodeficiency Virus; cART: combination antiretroviral therapy; CI: confidence interval