

1 Table 1 Baseline¹ characteristics of D:A:D participants included in the analysis

Factors	All included persons	People who developed a cancer during follow-up			
		All cancers	Lung cancer	Other smoking related cancers (excluding lung)	Smoking unrelated cancers
N (%)	35,442 (100)	2,183 (100)	271 (100)	622 (100)	1,290 (100)
Age (years)					
<30	5,063 (14.3)	109 (5.0)	1 (0.4)	18 (2.9)	90 (7.0)
30 - 39	12,955 (36.6)	518 (23.7)	37 (13.7)	114 (18.3)	367 (28.4)
40 - 49	11,530 (32.5)	829 (38.0)	105 (38.7)	270 (43.4)	454 (35.2)
50 - 59	4,265 (12.0)	486 (22.3)	92 (33.9)	141 (22.7)	253 (19.6)
≥60	1,629 (4.6)	241 (11.0)	36 (13.3)	79 (12.7)	126 (9.8)
Male	25,717 (72.6)	1,723 (78.9)	217 (80.1)	451 (72.5)	1,055 (81.8)
HIV risk group					
Sex between men	14,845 (41.9)	1,033 (47.3)	118 (43.5)	204 (32.8)	711 (55.1)
IDU	5,753 (16.2)	378 (17.3)	59 (21.8)	170 (27.3)	149 (11.6)
Heterosexual	12,796 (36.1)	632 (29.0)	77 (28.4)	205 (33.0)	350 (27.1)
Unknown	2,048 (5.8)	140 (6.4)	17 (6.3)	43 (6.9)	80 (6.2)
Ethnicity					
White	18,872 (53.2)	1,071 (49.1)	135 (49.8)	320 (51.4)	616 (47.8)
Black, other	3,437 (9.7)	100 (4.6)	4 (1.5)	33 (5.3)	63 (4.9)
Unknown	13,133 (37.1)	1,012 (46.4)	132 (48.7)	269 (43.2)	611 (47.4)
HIV- VL (copies/mL)					
≤ 50	14,405 (40.6)	892 (40.9)	143 (52.8)	328 (52.7)	421 (32.6)
51 - high	18,609 (52.5)	1,197 (54.8)	119 (43.9)	279 (44.9)	799 (61.9)
Unknown	2,428 (6.9)	94 (4.3)	9 (3.3)	15 (2.4)	70 (5.4)
CD4 cell count (cells/mm³)					
<100	1,551 (4.4)	148 (6.8)	12 (4.4)	42 (6.8)	94 (7.3)
100 - 199	2,666 (7.5)	216 (9.9)	33 (12.2)	61 (9.8)	122 (9.5)
200 - 299	4,420 (12.5)	298 (13.7)	43 (15.9)	88 (14.1)	167 (12.9)
300 - 399	5,699 (16.1)	323 (14.8)	35 (12.9)	83 (13.3)	205 (15.9)
400 - 499	5,387 (15.2)	299 (13.7)	38 (14.0)	85 (13.7)	176 (13.6)
≥ 500	14,117 (39.8)	823 (37.7)	106 (39.1)	248 (39.9)	469 (36.4)

Unknown	1,602 (4.5)		76 (3.5)		4 (1.5)		15 (2.4)		57 (4.4)	
Previous AIDS defining event (excluding ADC)	6,536 (18.4)		500 (22.9)		74 (27.3)		185 (29.7)		241 (18.7)	
HBV										
Negative	24,858 (70.1)		1,481 (67.8)		174 (64.2)		389 (62.5)		918 (71.2)	
Positive	1,618 (4.6)		130 (6.0)		20 (7.4)		57 (9.2)		53 (4.1)	
Prior	4,867 (13.7)		349 (16.0)		49 (18.1)		114 (18.3)		186 (14.4)	
Unknown	4,099 (11.6)		223 (10.2)		28 (10.3)		62 (10.0)		133 (10.3)	
HCV										
Negative	23,139 (65.3)		1,430 (65.5)		171 (63.1)		345 (55.5)		914 (70.9)	
Positive	7,434 (21.0)		493 (22.6)		74 (27.3)		216 (34.7)		203 (15.7)	
Unknown	4,869 (13.7)		260 (11.9)		26 (9.6)		61 (9.8)		173 (13.4)	
Prior CVD	740 (2.1)		83 (3.8)		17 (6.3)		24 (3.9)		42 (3.3)	
Diabetes	874 (2.5)		92 (4.2)		12 (4.4)		30 (4.8)		50 (3.9)	
On cART										
No	6,495 (18.3)		454 (20.8)		52 (19.2)		143 (23.0)		259 (20.1)	
Yes	18,447 (52.0)		1,165 (53.4)		169 (62.4)		395 (63.5)		601 (46.6)	
Unknown	10,500 (29.6)		564 (25.8)		50 (18.5)		84 (13.5)		430 (33.3)	
	N	Median(IQR)	N	Median(IQR)	N	Median(IQR)	N	Median(IQR)	N	Median(IQR)
Age (years)	35442	39.8 (33.8,46.2)	2183	44.7 (39.2,53.5)	271	49.6 (42.8,55.8)	622	45.6 (40.9,54.7)	1290	43.2 (37.7,52.1)
CD4 cell count (cells/mm³)	33840	444 (294,632)	2107	420 (255,616)	267	420 (250,672)	607	422.0 (257.0,620.0)	1233	420.0 (256.0,605.0)
Nadir CD4 cell count (cells/mm³)	33840	247 (120,400)	2107	212 (90,359)	267	190 (86,309)	607	182.0 (70.0,310.0)	1233	237.0 (104.0,398.0)
HIV-VL (copies/mL)	33014	194 (<50,15685)	2089	224 (<50,23100)	262	<50 (<50,3000)	607	<50 (<50,2760)	1220	2312.5 (<50,42357)

1 BMI: body mass index, ADC: AIDS defining cancer, HBV: Hepatitis B, HCV: hepatitis C, cART: combination antiretroviral therapy, CVD: cardiovascular disease,

2 HIV-VL: HIV viral load.

3 ¹ Baseline defined as the latest of 1 January 2004 or entry into D:A:D