

Supplemental Digital Content. Table of HIV prevalence data (percentage, number of HIV-positives/number of participants in HIV surveillance) used as input for the incidence and survival model by year of age and by year of survey, as well as stratified by sex.

a) Women

Calendar period	C₁			C₂			C₃		
Age (y)	2003	2004	2005	2006	2007	2008	2009	2010	2011
15	1% (2/137)	8% (6/76)	2% (4/252)	0% (1/206)	4% (7/157)	6% (10/165)	25% (1/4)	1% (2/147)	7% (2/27)
16	6% (10/160)	7% (22/308)	4% (16/410)	5% (21/411)	4% (13/326)	5% (15/293)	6% (9/157)	5% (16/320)	4% (11/275)
17	8% (12/153)	7% (23/347)	5% (20/388)	9% (33/374)	6% (18/324)	7% (22/296)	8% (21/262)	5% (16/299)	8% (26/306)
18	14% (22/159)	13% (43/321)	8% (29/355)	11% (34/317)	13% (39/302)	11% (32/304)	9% (21/247)	15% (43/287)	11% (29/261)
19	17% (25/145)	16% (48/298)	19% (58/312)	12% (37/302)	15% (42/272)	14% (36/254)	17% (43/258)	17% (40/231)	13% (30/223)
20	20% (25/126)	21% (54/260)	14% (45/317)	23% (62/273)	21% (49/231)	19% (48/247)	18% (41/231)	18% (45/249)	21% (41/198)
21	28% (24/86)	30% (66/220)	26% (64/247)	25% (53/211)	26% (51/199)	24% (50/208)	25% (46/183)	27% (61/226)	24% (48/197)
22	26% (21/80)	35% (64/182)	34% (87/253)	27% (54/203)	28% (49/176)	27% (48/179)	31% (55/179)	26% (51/193)	31% (59/191)
23	38% (31/81)	37% (49/132)	38% (64/167)	39% (70/181)	41% (69/169)	34% (56/163)	35% (54/156)	38% (77/202)	37% (64/173)
24	46% (26/56)	49% (65/132)	39% (65/165)	39% (51/132)	40% (57/144)	43% (66/154)	39% (60/155)	39% (66/168)	39% (63/162)
25	37% (17/46)	43% (54/126)	50% (66/131)	38% (46/120)	41% (47/115)	35% (51/144)	40% (57/142)	43% (76/175)	42% (57/137)
26	54% (19/35)	57% (65/115)	46% (49/106)	45% (50/111)	41% (38/92)	46% (50/108)	37% (47/126)	47% (82/175)	43% (66/152)
27	58% (29/50)	47% (61/130)	51% (53/104)	43% (42/97)	46% (42/91)	51% (52/102)	51% (47/93)	55% (78/143)	49% (69/142)
28	58% (28/48)	55% (62/112)	51% (49/97)	56% (44/78)	56% (55/99)	51% (44/86)	53% (49/93)	56% (82/146)	55% (82/149)
29	54% (28/52)	46% (46/100)	41% (43/106)	44% (41/94)	57% (38/67)	52% (46/88)	56% (54/96)	59% (76/129)	51% (55/107)
30	48% (21/44)	55% (57/103)	55% (65/119)	56% (53/94)	62% (52/84)	58% (49/85)	49% (38/77)	63% (70/112)	55% (46/83)
31	40% (17/42)	49% (46/94)	48% (47/97)	49% (46/94)	48% (44/91)	49% (41/83)	58% (53/91)	57% (61/107)	72% (78/108)
32	46% (19/41)	49% (39/79)	43% (38/88)	49% (44/89)	51% (34/67)	58% (45/78)	55% (47/85)	58% (66/114)	50% (53/105)
33	44% (24/54)	52% (51/99)	41% (43/104)	49% (39/80)	41% (35/85)	51% (44/87)	52% (32/62)	57% (68/119)	53% (49/93)
34	44% (18/41)	44% (44/100)	42% (38/90)	40% (33/83)	55% (43/78)	47% (39/83)	45% (40/88)	60% (59/99)	70% (72/103)
35	42% (19/45)	39% (41/105)	44% (47/108)	48% (38/79)	37% (29/78)	48% (36/75)	44% (28/64)	50% (51/101)	65% (54/83)
36	37% (16/43)	34% (27/79)	38% (45/118)	31% (24/78)	49% (40/82)	43% (35/81)	53% (48/90)	56% (63/112)	52% (49/94)
37	41% (15/37)	36% (28/78)	41% (41/100)	36% (42/116)	26% (19/74)	49% (33/68)	42% (30/72)	55% (64/116)	54% (60/111)
38	32% (18/57)	29% (28/95)	32% (36/111)	39% (29/75)	36% (30/83)	34% (26/77)	49% (34/69)	44% (45/103)	51% (52/102)
39	23% (11/47)	31% (36/116)	35% (34/98)	29% (28/98)	40% (33/83)	43% (39/91)	41% (32/78)	59% (55/93)	47% (41/88)

40	22% (12/54)	30% (32/107)	35% (43/122)	38% (37/98)	35% (26/74)	41% (26/63)	39% (30/76)	48% (44/91)	57% (49/86)
41	34% (14/41)	29% (33/112)	21% (24/112)	22% (24/109)	41% (31/76)	37% (26/71)	43% (28/65)	45% (49/110)	39% (33/85)
42	29% (13/45)	25% (27/106)	23% (28/123)	28% (26/93)	44% (42/95)	44% (33/75)	38% (28/73)	39% (32/83)	43% (43/101)
43	26% (13/50)	23% (22/96)	30% (34/114)	23% (25/111)	25% (26/102)	40% (35/88)	32% (22/69)	40% (33/83)	42% (38/91)
44	25% (12/48)	21% (22/103)	27% (36/132)	28% (28/100)	28% (23/83)	21% (19/90)	36% (32/89)	43% (36/83)	37% (37/99)
45	30% (14/46)	25% (31/126)	21% (25/118)	20% (21/105)	30% (28/94)	22% (20/90)	29% (26/89)	44% (53/121)	33% (26/79)
46	12% (6/50)	24% (27/112)	22% (26/120)	23% (23/101)	25% (23/93)	28% (26/93)	24% (23/96)	33% (40/122)	42% (42/100)
47	14% (5/35)	21% (23/109)	24% (34/143)	20% (24/119)	16% (16/99)	33% (32/98)	28% (22/80)	32% (34/105)	35% (38/110)
48	25% (11/44)	20% (18/90)	15% (14/92)	21% (24/115)	20% (22/111)	28% (34/121)	23% (20/87)	29% (33/112)	34% (38/112)
49	17% (9/54)	19% (18/93)	15% (16/109)	9% (8/91)	17% (18/107)	25% (32/128)	35% (39/112)	27% (36/135)	28% (29/105)

b) Men

Calendar period	C ₁			C ₂			C ₃		
Age (y)	2003	2004	2005	2006	2007	2008	2009	2010	2011
15	0% (0/148)	2% (1/63)	1% (3/252)	0% (0/226)	1% (1/162)	1% (2/151)	0% (0/1)	1% (2/160)	9% (3/34)
16	0% (0/168)	1% (2/302)	1% (3/389)	0% (1/370)	0% (1/294)	1% (3/317)	1% (1/130)	2% (5/298)	1% (3/248)
17	1% (2/150)	1% (2/351)	0% (1/380)	1% (3/338)	1% (4/271)	0% (1/260)	0% (1/241)	2% (5/262)	2% (4/250)
18	0% (0/128)	0% (1/320)	1% (3/315)	0% (0/276)	1% (2/236)	0% (1/219)	1% (3/202)	2% (5/202)	2% (4/227)
19	3% (3/102)	3% (9/266)	2% (7/285)	2% (4/224)	3% (5/169)	1% (2/197)	1% (2/178)	1% (2/177)	2% (3/182)
20	3% (3/113)	5% (10/211)	4% (9/251)	3% (6/187)	4% (7/161)	5% (8/174)	4% (6/154)	4% (6/169)	2% (4/166)
21	3% (2/70)	6% (11/182)	7% (14/187)	4% (6/168)	4% (5/124)	10% (16/161)	4% (5/115)	7% (11/152)	6% (8/134)
22	11% (5/44)	9% (12/138)	11% (20/187)	7% (10/137)	9% (10/117)	5% (6/113)	6% (8/127)	12% (15/129)	8% (9/117)
23	25% (9/36)	13% (15/116)	10% (13/132)	15% (15/103)	14% (14/97)	11% (8/75)	7% (6/91)	12% (13/110)	15% (14/96)
24	19% (6/31)	16% (17/108)	20% (18/88)	12% (10/83)	15% (10/65)	16% (15/92)	18% (15/85)	14% (16/112)	17% (16/93)
25	21% (6/29)	24% (20/82)	17% (13/76)	24% (19/79)	22% (15/68)	19% (15/79)	20% (13/66)	20% (13/64)	13% (11/85)
26	36% (8/22)	25% (18/72)	24% (18/75)	32% (22/68)	26% (17/65)	26% (17/66)	13% (7/56)	25% (15/61)	17% (12/70)
27	25% (5/20)	34% (20/59)	29% (23/80)	31% (17/55)	38% (19/50)	31% (17/54)	17% (10/60)	30% (24/79)	25% (16/64)
28	32% (6/19)	32% (21/66)	32% (20/62)	38% (20/53)	48% (23/48)	37% (20/54)	32% (14/44)	23% (14/60)	29% (21/73)
29	40% (8/20)	38% (22/58)	40% (24/60)	30% (16/53)	28% (10/36)	36% (19/53)	33% (16/49)	29% (15/51)	21% (9/43)
30	45% (9/20)	42% (22/53)	40% (23/57)	33% (18/54)	28% (11/39)	20% (10/49)	41% (16/39)	38% (17/45)	39% (20/51)

31	65% (15/23)	42% (25/60)	52% (23/44)	44% (18/41)	44% (20/45)	42% (15/36)	40% (20/50)	44% (24/55)	51% (20/39)
32	48% (12/25)	51% (29/57)	42% (22/52)	56% (20/36)	42% (13/31)	47% (20/43)	44% (12/27)	29% (13/45)	37% (18/49)
33	26% (6/23)	37% (19/51)	43% (23/53)	37% (18/49)	40% (14/35)	30% (11/37)	50% (19/38)	52% (16/31)	35% (19/55)
34	41% (9/22)	41% (20/49)	38% (18/47)	41% (21/51)	30% (10/33)	50% (15/30)	43% (12/28)	48% (20/42)	35% (12/34)
35	24% (6/25)	53% (33/62)	47% (16/34)	44% (14/32)	31% (11/36)	52% (17/33)	49% (18/37)	35% (13/37)	42% (16/38)
36	32% (7/22)	43% (17/40)	42% (22/52)	45% (17/38)	50% (16/32)	43% (13/30)	63% (19/30)	59% (19/32)	39% (15/38)
37	75% (6/8)	12% (5/42)	35% (18/52)	47% (18/38)	50% (19/38)	52% (15/29)	42% (15/36)	50% (18/36)	53% (25/47)
38	44% (8/18)	37% (14/38)	31% (17/55)	38% (13/34)	29% (10/34)	50% (16/32)	48% (12/25)	51% (19/37)	40% (10/25)
39	35% (6/17)	40% (17/42)	42% (16/38)	18% (7/38)	38% (10/26)	36% (14/39)	60% (18/30)	45% (17/38)	35% (12/34)
40	41% (7/17)	33% (15/45)	30% (14/47)	40% (17/42)	30% (13/44)	38% (10/26)	31% (8/26)	61% (17/28)	42% (11/26)
41	16% (3/19)	35% (16/46)	40% (16/40)	29% (11/38)	48% (13/27)	23% (9/39)	42% (13/31)	34% (12/35)	47% (15/32)
42	40% (4/10)	34% (12/35)	24% (10/41)	38% (15/40)	38% (8/21)	44% (12/27)	47% (17/36)	39% (11/28)	35% (9/26)
43	18% (3/17)	31% (12/39)	26% (9/34)	33% (13/40)	47% (14/30)	22% (5/23)	35% (6/17)	36% (12/33)	42% (8/19)
44	21% (4/19)	18% (8/45)	32% (12/38)	31% (8/26)	28% (11/39)	40% (8/20)	24% (5/21)	33% (9/27)	34% (10/29)
45	22% (4/18)	23% (10/43)	22% (11/50)	14% (4/28)	32% (7/22)	23% (6/26)	37% (13/35)	44% (11/25)	52% (17/33)
46	13% (2/16)	24% (13/54)	33% (13/39)	26% (9/34)	21% (3/14)	20% (6/30)	39% (13/33)	40% (12/30)	31% (8/26)
47	30% (6/20)	21% (9/42)	23% (10/44)	18% (4/22)	31% (9/29)	23% (5/22)	31% (8/26)	38% (12/32)	33% (10/30)
48	13% (2/15)	31% (10/32)	25% (12/48)	29% (12/41)	36% (10/28)	25% (7/28)	17% (4/24)	22% (8/37)	37% (13/35)
49	13% (2/16)	17% (6/35)	17% (8/46)	31% (11/35)	22% (7/32)	25% (6/24)	42% (10/24)	35% (7/20)	19% (5/27)