



ANNUAL HIV REPORT 2007

No. 44, 2008

Table 1. Persons notified with newly diagnosed HIV infection by age and gender, August 1990-2007

Age	2007		Total, August 1990-2007			
	M	F	M	F	Total	%
0-4	0	0	20	23	43	1
5-14	1	6	10	30	40	1
15-19	1	0	20	26	46	1
20-24	8	2	179	176	355	7
25-29	29	12	507	339	846	17
30-34	29	17	638	300	938	18
35-39	36	22	630	223	853	17
40-44	45	11	544	108	652	13
45-49	23	4	392	50	442	9
50-59	38	7	461	74	535	11
60+	12	2	187	21	208	4
Not stated	2	0	89	31	120	2
Total	224	83	3677	1401	5078	100

Table 2. Persons notified with newly diagnosed HIV infection by part of country, and number of newly diagnosed per 10⁵, 2007

Area	No.	%	Newly diagn.
			per. 10 ⁵
Copenhagen City	121	39	18.4
Copenhagen suburbs	23	7	4.6
Northern Zealand	13	4	2.9
Bornholm	1	0	2.3
Eastern Zealand	7	2	3.0
W & S Zealand	11	4	1.9
Funen	14	5	2.9
Southern Jutland	29	9	4.1
Western Jutland	8	3	1.9
Eastern Jutland	19	6	2.3
Northern Jutland	21	7	3.6
Unknown	40	13	0.0
Total	307	100	5.6

Figure 1. HIV tests (ELISA) performed and persons with newly diagnosed HIV infection, 1997-2007

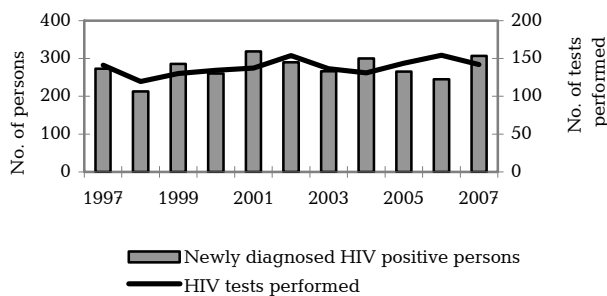


Figure 2. Persons in DK with newly diagnosed HIV infection, by homo (MSM) or heterosexual mode of infection

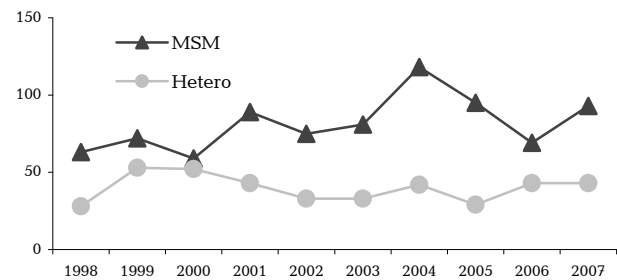


Table 3. Notified persons with newly diagnosed HIV infection by gender, risk group, origin, and place of infection, 1990-2007

Gender	Risk group	Origin	Place of infection							
			Denmark		Abroad		Unknown		2007	1990-07
			2007	1990-07	2007	1990-07	2007	1990-07		
Males	MSM (men who have sex with men)	Danish	78	1416	16	141	11	149	105	1706
		Foreign	15	117	16	96	5	47	36	260
		Unknown	0	11	0	4	1	17	1	32
	IDU (IV drug use)	Danish	9	208	1	4	1	15	11	227
		Foreign	2	15	2	19	1	6	5	40
		Unknown	0	7	0	1	0	6	0	14
	Sex with woman from known risk group	Danish	9	185	12	267	2	40	23	492
		Foreign	3	35	18	268	4	35	25	338
		Unknown	0	0	0	4	0	0	0	4
	Sex with woman without known risk group	Danish	10	163	1	20	2	40	13	223
Foreign		1	25	2	27	0	19	3	71	
Unknown		0	3	0	0	0	0	0	3	
Other	Danish	0	61	0	15	1	68	1	144	
	Foreign	0	15	1	46	0	19	1	80	
	Unknown	0	1	0	2	0	40	0	43	
Total, males			127	2262	69	914	28	501	224	3677
Females	IDU (IV drug use)	Danish	4	141	0	2	0	7	4	150
		Foreign	0	4	1	9	1	5	2	18
		Unknown	0	1	0	0	0	1	0	2
	Sex with man from known risk group	Danish	10	158	1	44	0	8	11	210
		Foreign	2	55	42	573	5	107	49	735
		Unknown	0	1	0	2	0	4	0	7
	Sex with man without known risk group	Danish	8	89	0	12	0	10	8	111
		Foreign	0	15	2	20	0	9	2	44
		Unknown	0	0	0	0	0	2	0	2
	Other	Danish	0	21	0	5	0	8	0	34
Foreign		2	5	4	57	1	15	7	77	
Unknown		0	0	0	0	0	11	0	11	
Total, females			26	490	50	724	7	187	83	1401
Total, males & females			153	2752	119	1638	35	688	307	5078

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Table 1. Notified AIDS patients by age, 1980-2007

Age	2007		Total 1980-2007		
	Males	Females	Males	Females	Total
0-4	0	0	12	8	20
5-14	0	0	6	2	8
15-19	0	0	5	2	7
20-24	1	0	59	30	89
25-29	2	0	242	68	310
30-34	1	5	424	95	519
35-39	2	2	412	64	476
40-44	7	2	394	42	436
45-49	5	0	314	24	338
50-59	9	6	329	31	360
60+	2	1	102	19	121
Total	29	16	2299	385	2684

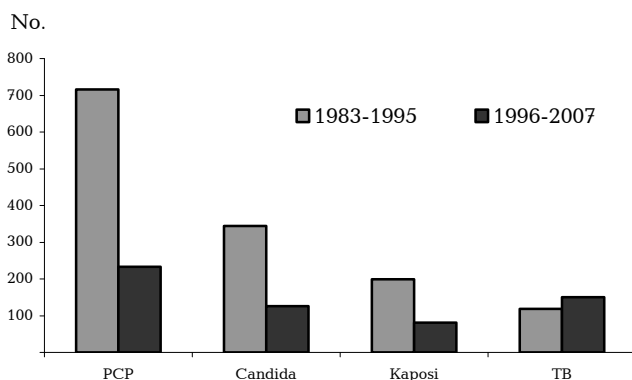
Table 2. Notified AIDS patients by gender and mode of risk/infection, 1980-2007

	2007		Total 1980-2007			
	M	F	M	F	Total	%
MSM	16	0	1648	-	1648	61
IDU	1	2	157	70	227	8
Haemoph./blood transf.	0	0	15	18	33	1
Heterosex with Danish-born person	5	7	188	116	304	11
Heterosex with person from high-endm. area	7	7	167	165	332	12
Perinatal	0	0	13	10	23	1
Other/unknown	0	0	111	6	117	4
Total	29	16	2299	385	2684	100

Table 3. Diagnosed AIDS patient, alive, 1980-2007

Year of diagnosis	Alive		
	Males	Females	Total
1980-1991	893	59	952
1992	192	17	209
1993	209	30	239
1994	198	38	236
1995	184	29	213
1996	133	26	159
1997	88	21	109
1998	63	11	74
1999	59	17	76
2000	41	18	59
2001	46	25	71
2002	32	13	45
2003	30	10	40
2004	41	20	61
2005	30	14	44
2006	31	21	52
2007	29	16	45

Figure 1. The four most common primary diagnoses in AIDS patients before and after introduction of three-drug treatment (HAART) against HIV infection



ANNUAL HIV AND AIDS REPORT

This report comprises all HIV and AIDS cases diagnosed until 31 December 2007 and notified to the Department of Epidemiology by 1 October 2008. These figures represent a minimum, as a limited number of notifications are usually filed after the report date. Late reporting also explains the minor adjustments continually made to the aggregate figures.

AIDS became notifiable by 1983. Cases diagnosed before 1983 were subsequently included. Consequently, the registration includes all notified cases.

The notification system covering HIV positive persons came into force on 1 August 1990 and was last revised on 1 January 2005, EPI-NEWS 51/04. Persons with newly diagnosed HIV infection are notified persons who have not previously been diagnosed with HIV in Denmark. This information is retrieved from the physicians' reporting form 4001-7. For HIV, the notified cases comprise a total of 95% of all diagnosed cases. For AIDS, the notification rate is somewhat lower, probably 60-80%.

The number of HIV tests performed in 2007 was 141,880 (Annual HIV Report, Figure 1).

Table 4. Diagnosed AIDS patients, dead, 1980-2007

Year of death	Number of deaths		
	Males	Females	Total
1980-1991	591	32	623
1992	175	13	188
1993	206	18	224
1994	207	29	236
1995	206	31	237
1996	130	20	150
1997	58	5	63
1998	35	7	42
1999	33	6	39
2000	17	5	22
2001	22	7	29
2002	21	3	24
2003	23	5	28
2004	21	10	31
2005	20	7	27
2006	16	3	19
2007	15	5	20

YEARS FROM HIV DIAGNOSIS TO AIDS

With today's efficient therapy (HAART), which is capable of limiting the HIV blood count, the majority of HIV cases never develop AIDS. Therefore, when Danish HIV infectees develop AIDS, this is due to treatment failure or because the person has had HIV for so long that he has developed AIDS symptoms before being diagnosed with HIV. Figure 2 shows the distribution of 567 persons diagnosed with AIDS in the 1998-2007 period, with regard to time from HIV diagnosis to AIDS diagnosis. The figure illustrates that AIDS in persons who were infected via IDU is more frequently the result of treatment failure than is the case in heterosexually infected persons and MSM.

Figure 2. No. of years from HIV diagnosis to AIDS, 1998-2007

