

Young Adults



United Kingdom New HIV Diagnoses to end of June 2011

HIV/STI Department
Health Protection Agency

in collaboration with

Health Protection Scotland

and the

UCL Institute of Child Health

Diagnoses to end of June 2011
Data received by the 15th July 2011

No. 1:2011

PREVENTION GROUP HIV/ AIDS DIAGNOSES TABLES

Data Security and Confidentiality

To ensure the highest level of data security and confidentiality, data forwarded to the Centre for Infections does not contain patient names in all cases surnames are replaced with a soundex code. The soundex code is a simple coding of names to their initial letter and three digits - no code is unique to a single surname, but their use allows the recognition of records relating to the same individual. A program to generate these is available on the document gateway. Data is submitted via the secure Internet Document Gateway or in a sealed confidential envelope. Data files are always stored in a secure location and access is on a need-to-know basis

A generic leaflet explaining why and how the HPA collects data on infectious disease and how information about individuals is used whilst maintaining confidentiality is available at:

http://www.hpa.org.uk/servlet/ContentServer?c=HPAweb_C&cid=1194947352367&pagename=HPAwebFile or you can request copies from caldicott@hpa.org.uk

These tables are updated every six months and made available on the Health Protection Agency (HPA) web site at: <http://www.hpa.org.uk/web/HPAweb&Page&HPAwebAutoListName/Page/1201094588891>

Slides with explanatory notes summarising the HIV epidemic in the UK are available at the same web address.

Commentary on national diagnoses tables is published in the **Health Protection Report (HPR)** (formally CDR) available on the HPA web site at: <http://www.hpa.org.uk/hpr/>

Data Sources

HIV (and AIDS) is not a statutorily notifiable disease, data are completed from the following voluntary sources:

- i) Laboratory and clinician reports (the latter introduced in 2000) of newly identified HIV antibody positive individuals and AIDS cases (clinician only) reported to the HIV & STI department, Health Protection Agency Centre for Infections (HPA CfI) and to Health Protection Scotland.
- ii) Paediatric data compiled at the UCL Institute of Child Health (Tel: 020-7829-8686) in collaboration with the HPA CfI and Health Protection Scotland, and from follow-up of monthly notifications to the British Paediatric Surveillance Unit of the Royal College of Paediatrics and Child Health, and the National Study of HIV in Pregnancy at the Royal College of Obstetricians and Gynaecologists.

In each surveillance centre records of HIV diagnosis, AIDS and death which are regarded as relating to the same individual are merged to form a single record. Cumulative data from all these sources are amalgamated at the end of each six month period to produce the current UK data set of reported HIV infected individuals. These data inevitably include reports of some individuals who have subsequently left the UK. They may include some whose various records because of, for instance, transcription errors or missing information were not recognised as being related.

Subtracting reported deaths from the total of reported diagnosed HIV infected individuals cannot, therefore, be regarded as providing a good estimate of the current prevalence of diagnosed HIV infection in the UK.

For information about prevalence of diagnosed and undiagnosed HIV infections consult the tables relating to the Survey of Prevalent HIV Infections Diagnosed (SOPHID) and the report of the Unlinked Anonymous HIV Surveillance Program (Department Of Health Report), both available through the HPA web site at <http://www.hpa.org.uk/web/HPAweb/MainFrontPage>

Definitions used

HIV infected individual: an individual for whom HIV diagnosis and/or AIDS, and/or death with HIV infection has been reported.

AIDS case: The European AIDS case definition is used for AIDS surveillance in the UK. It does not include a CD4 cell count of less than 200 in an HIV infected person as AIDS defining.

Death in an HIV infected individual without reported AIDS: these include AIDS and non AIDS related deaths.

Date of HIV diagnosis: This is taken to be the date of the first HIV defining event for an individual in the UK, for example, a laboratory report of HIV infection or a diagnosis of AIDS. Tables summarising events over time are produced using the **date of HIV diagnosis** (and not the date of report). This means that numbers, particularly for recent years, will rise as a result of receiving further reports.

Reports of death

Clinicians are asked to report the death of any HIV infected patient when it occurs. This source of information is supplemented by the Office for National Statistics (ONS) reporting all deaths which record AIDS or HIV among the causes of death, and by a computerised search of ONS records, with names replaced by their "Soundex" codes, of those who have died when aged less than 60. Periodically clinicians have been asked to provide up-to-date information on the vital status of all patients reported as AIDS cases who are not known to have died.

Geographical coverage

In addition to United Kingdom data, the HPA CfI receives reports from the Channel Islands and Isle of Man.

England is subdivided on the basis of the NHS boundaries (July 2006).

Interpreting apparent trends over time

Apparent trends over time in these reports must be interpreted with care, as each data source is subject to reporting delay which varies over time. Furthermore, the diagnosis of infection in an asymptomatic person depends upon risk recognition, willingness to have an HIV test and test accessibility.

European and global HIV data

Information relating to the HIV epidemic in Europe is available from the European Centre for Disease Prevention and Control (ECDC), e-mail info@ecdc.europa.eu.
<http://www.ecdc.europa.eu>

Information relating to the world situation is available from the United Nations programme on HIV/AIDS (UNAIDS), e-mail rtdata@unaids.org
<http://www.unaids.org/>.

Citation

For citation purposes the following is suggested;

"Health Protection Agency Centre for Infections, Health Protection Scotland and UCL Institute of Child Health. Unpublished HIV Diagnoses Surveillance SHA Tables No. 1:2011 Table"

Contacts

Enquiries regarding the tables should be directed to the staff of the HIV & STI department at the HPA CfI, 020-8200-6868 ext 7455 or to Health Protection Scotland 0141-300-1100 or email harsqueries@hpa.org.uk For additional paediatric tables please visit: <http://www.nshpc.ucl.ac.uk/>.

04TH March 2011

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New HIV diagnoses in the United Kingdom

New HIV & AIDS diagnoses & deaths among HIV infected young adults (16-24 years), by year of diagnosis or death and sex

Data to end of June 2011

Report type and sex		1995 or earlier	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Cumulative total ¹
HIV diagnoses	Men	3,733	190	178	159	167	189	237	292	329	349	439	414	421	434	433	450	203	8,617
	Women	1,130	88	102	104	147	212	304	398	491	534	478	381	375	312	248	227	63	5,594
Total ¹		4,868	278	280	263	314	401	541	690	820	883	917	795	796	746	681	677	266	14,216
First AIDS diagnoses	Men	502	31	19	15	13	13	14	17	17	12	21	19	20	10	9	8	2	742
	Women	142	11	10	7	18	18	13	24	27	22	21	12	6	10	6	12	1	360
Total		644	42	29	22	31	31	27	41	44	34	42	31	26	20	15	20	3	1,102
Deaths	Men	289	27	9	4	9	4	5	4	2	2	3	9	6	8	3	7	1	392
	Women	87	12	2	2	4	2	6	7	3	4	3	6	3	5	6	7	0	159
Total		376	39	11	6	13	6	11	11	5	6	6	15	9	13	9	14	1	551

Will include some records of the same individuals which are unmatchable because of differences in the information supplied
Numbers will rise as further reports are received, particularly for recent years.

¹ Includes 5 HIV diagnoses of individuals with sex not reported. (The majority of which are in earlier years)

New HIV diagnoses in the United Kingdom

By year, country and Strategic Health Authority (SHA) of first diagnosis among young adults (16-24 years)

Data to end of June 2011

Country and SHA of diagnosis	1995 or earlier	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Cumulative total
ENGLAND																		
North East	79	6	2	2	7	8	8	14	24	20	24	18	21	15	18	20	4	290
North West	277	20	17	25	25	25	45	56	80	84	91	86	82	77	83	54	19	1,146
Yorkshire and The Humber	162	12	13	9	12	12	23	38	47	48	64	49	51	58	44	37	19	698
East Midlands	108	3	6	4	12	6	26	36	46	40	55	34	48	38	23	38	6	529
West Midlands	189	7	14	20	19	20	26	53	63	77	85	55	39	52	50	33	21	823
East of England	134	7	8	14	8	19	42	52	64	60	48	57	56	37	32	48	15	701
London	2,433	155	152	147	168	227	267	301	318	336	335	302	326	306	274	297	112	6,456
South East Coast	188	19	15	14	8	22	28	36	33	57	52	39	35	49	42	35	13	685
South Central	182	11	13	3	16	17	37	45	50	44	58	52	44	39	26	32	12	681
South West	165	9	18	8	20	19	12	23	37	40	40	39	21	23	30	22	19	545
ENGLAND (Total)	3,917	249	258	246	295	375	514	654	762	806	852	731	723	694	622	616	240	12,554
Wales	73	2	3	2	2	7	5	6	14	15	13	24	20	14	17	23	10	250
Northern Ireland	30	1	0	0	0	2	1	4	5	11	12	7	7	10	11	9	3	113
Scotland	839	25	17	14	17	17	21	24	38	51	40	33	44	27	30	28	12	1,277
Channel Islands and Isle of Man	9	1	2	1	0	0	0	2	1	0	0	0	2	1	1	1	1	22
UK TOTAL	4,868	278	280	263	314	401	541	690	820	883	917	795	796	746	681	677	266	14,216

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New HIV diagnoses in the United Kingdom**By year of first diagnosis and age group among young adults (16-24 years)****Data to end of June 2011**

Age at diagnosis	1995 or earlier	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Cumulative total
16 - 19	782	33	36	41	36	62	90	103	130	173	142	149	136	137	119	145	48	2,362
20 - 24	4,086	245	244	222	278	339	451	587	690	710	775	646	660	609	562	532	218	11,854
Total	4,868	278	280	263	314	401	541	690	820	883	917	795	796	746	681	677	266	14,216

*Will include some records of the same individuals which are unmatchable because of differences in the information supplied.
Numbers will rise as further reports are received, particularly for recent years.*

New HIV diagnoses in the United Kingdom

By year of first diagnosis, probable exposure category and sex among young adults (16-24 years)

Data to end of June 2011

Probable exposure category	1995 or earlier	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Cumulative total ²
Sex between men¹	2,530	160	140	130	131	147	154	192	217	245	325	312	336	328	326	325	145	6,143
Heterosexual contact																		
Men	208	22	28	22	28	33	69	87	96	94	95	79	67	72	58	64	23	1,145
Women	745	78	92	97	133	197	289	385	473	515	464	358	343	282	217	181	49	4,898
Sub total²	954	100	120	119	161	230	358	472	569	609	559	437	410	354	275	245	72	6,044
Injecting drug use																		
Men	579	6	6	6	6	7	8	9	8	6	9	9	6	8	7	3	1	684
Women	356	8	9	5	10	10	13	5	10	8	7	9	6	6	5	1	2	470
Sub total	935	14	15	11	16	17	21	14	18	14	16	18	12	14	12	4	3	1,154
Mother to infant																		
Boys/Men	0	0	0	0	0	0	1	0	3	0	0	1	2	6	7	15	5	40
Girls/Women	0	0	0	0	0	0	0	1	0	3	1	7	7	4	15	20	1	59
Sub total	0	0	0	0	0	0	1	1	3	3	1	8	9	10	22	35	6	99
Recipient of blood/tissue products ³																		
Men	367	2	2	0	1	1	0	3	0	0	1	2	1	2	1	2	1	386
Women	18	2	0	0	2	2	2	2	0	2	1	1	0	3	0	1	0	36
Sub total	385	4	2	0	3	3	2	5	0	2	2	3	1	5	1	3	1	422
Other/Not reported																		
Men	49	0	2	1	1	1	5	1	5	4	9	11	9	18	34	41	28	219
Women	11	0	1	2	2	3	0	5	8	6	5	6	19	17	11	24	11	131
Sub total²	64	0	3	3	3	4	5	6	13	10	14	17	28	35	45	65	39	354
Total²	4,868	278	280	263	314	401	541	690	820	883	917	795	796	746	681	677	266	14,216

Will include some records of the same individuals which are unmatchable because of differences in the information supplied.
Numbers will rise as further reports are received, particularly for recent years.

¹ Includes 173 men who also injected drugs

² Includes 5 patients with sex not reported

³ All infections acquired through receipt of blood/tissue products diagnosed since 2002 were acquired outside of the UK.

New HIV diagnoses in the United Kingdom**By year of first diagnosis and ethnicity among young adults (16-24 years)¹**

Data to end of June 2011

Ethnicity	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Cumulative total
White	189	184	168	166	151	169	187	230	268	312	381	376	391	382	383	376	137	4,450
Black-African	61	59	68	67	125	176	268	348	422	442	399	308	272	219	154	152	44	3,584
Black-Caribbean	6	4	17	9	10	18	33	54	61	42	40	32	41	40	31	17	9	464
Other/Mixed	18	22	26	18	25	30	46	50	63	76	87	69	83	86	87	92	44	922
Not reported	11	9	1	3	3	8	7	8	6	11	10	10	9	19	26	40	32	213
Total	285	278	280	263	314	401	541	690	820	883	917	795	796	746	681	677	266	9,633

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Numbers will rise as further reports are received, particularly for recent years.*

¹ Ethnicity on HIV diagnoses has been collected since 1995.

New HIV diagnoses in the United Kingdom

By year of diagnosis, probable exposure category, world region of infection and partner exposure among young adults (16-24 years)

Data to end of June 2011

Exposure	Where acquired	Partner's exposure	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Cumulative total	
Sex between men	UK		31	66	44	45	43	74	76	115	133	150	198	204	245	233	231	232	118	2,238	
	Abroad		17	11	14	9	9	10	16	19	21	21	28	26	54	43	48	34	13	393	
	Not reported		110	83	82	76	79	63	62	58	63	74	99	82	37	52	47	59	14	1,140	
	Sub total		158	160	140	130	131	147	154	192	217	245	325	312	336	328	326	325	145	3,771	
Heterosexual contact	UK	Sex between men	1	2	0	2	2	1	3	5	3	1	3	3	2	5	1	5	0	39	
		Heterosexual contact ^{1 2}	16	15	16	18	22	20	46	65	82	122	110	100	105	112	78	85	16	1,028	
		Injecting drug use	5	11	5	6	2	2	5	3	8	6	2	5	3	6	4	1	0	74	
		Other ³	0	1	0	0	0	1	0	1	5	0	0	0	0	3	0	0	1	0	12
		Not reported	3	3	5	4	2	9	8	12	7	16	15	16	23	14	20	18	10	185	
	Sub total	25	32	26	30	28	33	62	86	105	145	130	124	136	137	103	110	26	1,338		
	Possibly UK ⁴		-	-	-	-	-	-	-	29	37	48	38	21	23	20	11	5	2	234	
	Africa	Sex between men	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	3
		Heterosexual contact ²	4	8	12	6	23	85	159	188	262	275	235	171	131	97	72	40	18	1,786	
		Injecting drug use	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	
		Other ³	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
		Not reported	54	44	58	59	91	86	101	111	102	69	68	54	40	27	22	20	4	1,010	
	Sub total	59	53	70	65	114	171	260	299	364	345	303	226	172	124	94	61	22	2,802		
	Other world region		17	12	21	21	16	22	32	56	55	51	59	44	40	23	39	32	15	555	
Not reported		3	3	3	3	3	4	4	2	8	20	29	22	39	50	28	37	7	265		
Sub total	104	100	120	119	161	230	358	472	569	609	559	437	410	354	275	245	72	5,194			
Injecting drug use	UK		4	7	8	4	5	7	9	2	8	6	6	10	6	8	5	1	1	97	
	Abroad		6	3	5	3	4	7	8	9	5	5	8	6	2	2	4	2	2	81	
	Not reported		8	4	2	4	7	3	4	3	5	3	2	2	4	4	3	1	0	59	
	Sub total	18	14	15	11	16	17	21	14	18	14	16	18	12	14	12	4	3	237		
Other ³		3	4	2	0	4	3	3	6	5	6	4	13	16	16	29	41	7	162		
Not reported		2	0	3	3	2	4	5	6	11	9	13	15	22	34	39	62	39	269		
Total		285	278	280	263	314	401	541	690	820	883	917	795	796	746	681	677	266	9,633		

Will include some records of the same individuals which are unmatchable because of differences in the information supplied.
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¹ Of the 1028 heterosexuals infected in the UK with heterosexually infected partners, 59% (610) of these partners were probably infected in Africa and 20% (205) within Europe (including the UK)

² No evidence of partner(s) with risks other than heterosexual exposure found.

³ Includes individuals infected with HIV through other risk exposures such as blood/ tissue recipient and nosocomial. All infections acquired through receipt of blood/tissue products diagnosed since 2002 were acquired outside of the UK.

⁴ Evidence of sexual contact in UK and Abroad (coded since 2002)