Recent trends in HIV and other STIs in the United Kingdom: data to the end of 2002

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Sexual health in the United Kingdom has deteriorated in recent years with further increases in HIV and other sexually transmitted infections (STIs) reported in 2002. This paper describes results from the available surveillance data in the United Kingdom from the Health Protection Agency and its national collaborators. The data sources range from voluntary reports of HIV/AIDS from clinicians, CD4 cell count monitoring, a national census of individuals living with HIV, and the Unlinked Anonymous Programme, to statutory reports of STIs from genitourinary medicine (GUM) clinics and enhanced STI surveillance systems. In 2002, an estimated 49,500 adults aged over 15 years were living with HIV in the United Kingdom, of whom 31% were unaware of their infection. Diagnoses of new HIV infections have doubled from 1997 to 2002, mainly driven by heterosexuals who acquired their infection abroad. HIV transmission also continues within the United Kingdom, particularly among homo/bisexual men who, in 2002, accounted for 80% of all newly diagnosed HIV infections acquired in the United Kingdom. New diagnoses of syphilis have increased eightfold, and diagnoses of chlamydia and gonorrhoea have doubled from 1997 to 2002 overall; STI rates disproportionately affect homo/bisexual men and young people. Effective surveillance is essential in the provision of timely information on the changing epidemiology of HIV and other STIs; this information is necessary for the targeting of prevention efforts and through providing baseline information against which progress towards targets can be monitored.

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Sexual health in the United Kingdom has deteriorated in recent years. Increases in HIV and other sexually transmitted infections (STIs) have placed enormous pressure on existing sexual health services. Consequent delays in accessing diagnosis and care may in turn be facilitating infection transmission. Since 2001, a range of new initiatives aimed at improving sexual health have been established in the United Kingdom. In England, the implementation of the 10 year National Strategy for Sexual Health and HIV has seen the appointment of local sexual health leads in primary care trusts (PCTs) and the Independent Advisory Group on Sexual Health; greater investment in genitourinary medicine (GUM) clinics, and phased implementation of prevention interventions, such as the National Chlamydia Screening Programme, aimed at specific population risk groups. There have been similar strategies in other UK countries (Wales, Scotland, and Northern Ireland). The Health Select Committee report on Sexual Health, the All Party Parliamentary Group on AIDS report on Migration and HIV, and most recently the government’s response to the Health Select Committee’s report on sexual health have all drawn attention to the need for greater political will and investment in tackling HIV and STIs in the United Kingdom and globally.

Surveillance data have a key role in such strategies. The collection and analysis of data, in conjunction with the monitoring of trends with timely feedback provides information for the implementation and evaluation of these initiatives. Specifically, by highlighting where prevention efforts should be targeted and through providing baseline information against which progress towards targets can be monitored.

The immediate public health challenges facing sexual health in the United Kingdom include increasing incidence and prevalence of HIV and STIs; rising costs of HIV related care; variation in disease determinants and distribution; and the associated long term morbidity and mortality of these conditions. This paper summarises recent trends in the UK surveillance data for HIV and other STIs up until the end of 2002.

DATA SOURCES
In the United Kingdom, the majority of STIs, including HIV, are diagnosed and treated in GUM clinics which form part of the National Health Service. Although diagnoses of many STIs (particularly chlamydia) occur in primary care and other community settings, only GUM clinics have statutory reporting of STIs to the Health Protection Agency and its collaborators by clinicians. The detailed methods of the HIV and STI surveillance systems in the United Kingdom have been described elsewhere and are briefly summarised here.

HIV/AIDS reporting
New diagnoses of HIV infections, AIDS cases, and deaths (HIV/AIDS reporting) are reported by laboratories and clinicians through voluntary reporting systems. The annual Survey of Prevalent HIV Infections Diagnosed (SOPHID) provides a census of the number of individuals...
living with diagnosed HIV infection and receiving care in England, Wales, and Northern Ireland. Longitudinal data on CD4 T lymphocytes (CD4 surveillance) are reported from laboratories in England, Wales and Scotland and are used to monitor trends in immunosuppression associated with HIV infection. In Scotland, these data are used to gauge the number of people in specialist HIV care.

Unlinked anonymous HIV surveys

The unlinked anonymous (UA) HIV surveys measure the prevalence of HIV, including undiagnosed HIV infections, in selected subgroups of the population. The unlinked anonymous survey of GUM clinic attendees (UA GUM survey) monitors HIV prevalence in a high risk population (attendees of sentinel GUM clinics in the United Kingdom). In England, Wales, and Northern Ireland the incidence of HIV infection in homo/bisexual men included in the UA GUM survey has been determined by application of the Serological Testing Algorithm for Recent HIV Seroconversion (STARHS). Prevalence in the general population is measured by surveys of pregnant women (UA pregnant women surveys—pregnant women attending antenatal care and women giving birth in England and Scotland). Live births to diagnosed HIV infected women in the United Kingdom are reported to the National Study of HIV in Pregnancy and Childhood. These reports are aligned with the overall prevalence estimates for HIV in pregnant women by geographical area, to produce estimates of the proportion of women giving birth who were diagnosed before antenatal attendances, diagnosed through antenatal testing, and who remained undiagnosed at delivery.

STI surveillance

Statutory KC60 returns from all GUM clinics in England, Wales, and Northern Ireland provide aggregate data on the total episodes of diagnosed STIs by sex and age group (and sexual orientation for selected conditions). The ISD(D)5 returns system provides disaggregate data on all STI diagnoses in GUM clinics in Scotland. NHS laboratories throughout the United Kingdom provide voluntary electronic disaggregate reporting on laboratory diagnoses of selected STIs with age and sex information. Enhanced Syphilis Surveillance (ESS) collects further demographic and risk factor data in the United Kingdom, and is designed to improve interpretation of the incidence and distribution of infectious syphilis. The Gonococcal Resistance to Antimicrobials Surveillance Programme (GRASP) is a sentinel surveillance system for monitoring gonococcal antimicrobial resistance and collects detailed behavioural information on diagnoses of gonorrhoea in England.

Related surveillance techniques

Estimates of the total number of HIV infected people in the United Kingdom were calculated by combining data from SOPHID (for diagnosed HIV infections) and the unlinked anonymous surveys (for undiagnosed HIV infections), with estimates of the size of the population in various exposure categories derived from the National Survey of Sexual Attitudes and Lifestyles (Natsal 2000), and census 2001 population estimates (Office for National Statistics). Annual rates (cases/population) of diagnoses of STIs were calculated per 100 000 people. The 2002 rates for all regions and countries in the United Kingdom were calculated by dividing the number of cases reported from GUM clinics in each area in 2002 by the mid-2002 population estimates from the Office for National Statistics (for homo/bisexual men population estimates were derived from Natsal 2000). Descriptive epidemiology is the focus of the paper, but hypothesis tests have been used to supplement the data where appropriate using Stata 7 (StataCorp, 2001).

OVERALL HIV/STI SURVEILLANCE TRENDS

Estimates of the total prevalent infections indicate that at the end of 2002, 49 500 adults aged over 15 were living with HIV
in the United Kingdom, of whom 15 200 (31%) were unaware of their infection. There were 5542 new HIV diagnoses reported for 2002: double the 2735 diagnoses in 1997.

At the end of 2002, overall HIV prevalence among homo/bisexual men in the United Kingdom was estimated at 3%, with estimates of total prevalent infections indicating that 5500 (24%) were unaware of their infection. Of the newly diagnosed HIV infections that were acquired in the United Kingdom, 80% (1500) were among homo/bisexual men. The UA GUM survey found 4% (27/672) of homo/bisexual men, since 1997 there has been a steady increase in the number of diagnoses of heterosexually acquired HIV infection, which accounted for 57% (3152/5542) of all those reported in 2002. Of these infections, three quarters (2338/3152) were probably acquired in Africa (table 1). Estimates of the total prevalent infections indicate that by the end of 2002, 15 400 African heterosexuals aged over 15 were living with HIV in the United Kingdom, of whom 4800 (31%) were undiagnosed.

In 2002, one third (1850/5542) of new HIV diagnoses were heterosexual (1500/5542) of these infections were diagnosed in homo/bisexual men, since 1997 there has been a steady increase in the number of diagnoses of heterosexually acquired HIV infection in the United Kingdom. In 2002, 275 such HIV infections were diagnosed compared to 141 in 1997 (table 1); 56% (153/275) of these diagnoses were acquired by partners who were probably infected outside Europe. In England, Wales, and Northern Ireland, although remaining low, the prevalence of previously undiagnosed HIV infection rose significantly among UK born heterosexual males from 0.12% (30/24 465) to 0.3% (72/24 040) between 1997 and 2002 (p<0.0001); prevalence in UK born women was unchanged.

Major acute STI diagnoses reported through KC60 returns have continued their rising trend since the mid-1990s. From 1997 to 2002, there was a 103% increase to 82 206 chlamydia diagnoses (rates were 138/100 000 in males and 167/100 000 in females); a 97% increase to 24 958 gonorrhoea diagnoses (males: 66/100 000, females: 167/100 000); a 716% increase to 69 449 genital warts diagnoses (males: 141/100 000, females: 118/100 000); and a 17% increase in 18 379 genital herpes diagnoses (males: 26/100 000, females: 42/100 000) in England, Wales, and Northern Ireland. Laboratory reports of STIs have also increased recently in Scotland; 12 392 chlamydia positive isolates were reported in 2002, a 16% increase on 2001 (10 636).

### Table 1

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<td>1160</td>
<td>1427</td>
<td>1981</td>
<td>2829</td>
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*Numbers for recent years will rise as further reports are received. The table will include some records of (a) the same individuals, which are unmatchable because of differences in the information supplied and (b) individuals who left the United Kingdom at some date after diagnosis.

Data source: HIV/AIDS Reports. Reports received by the end of June 2003.
STIs have risen markedly among homo/bisexual men (fig 2). In this population, cases of gonorrhoea have almost doubled from 1842 in 1999 to 3363 in 2002, and cases of syphilis have increased from 52 to 607 over the same period; this latter rise is as a result of ongoing outbreaks in urban centres in the United Kingdom.22

Among heterosexuals, young people and black minority communities continue to be disproportionately represented in STI statistics. Rates of diagnoses of chlamydia in GUM clinics have increased by 215% in women aged 16–24, from 529/100 000 in 1997 to 1135/100 000 in 2002 in England, Wales, and Northern Ireland (fig 3). In the 2002 GRASP data collection, black ethnic groups, mainly black Caribbeans, accounted for 55% (516/936) and 44% (249/563) of gonococcal isolates collected from heterosexual males and females respectively (fig 4).

Figure 3 Trends in the rates of selected acute STIs in young females and males aged 16–24 in the United Kingdom*, 1995–2002. (A) Males. (B) Females. [*2001 and 2002 data not available for Scotland.] Data source: KC60 Statutory returns and ISD(D)5 data.

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Figure 4 Proportion of new diagnoses of uncomplicated gonorrhoea by ethnicity, England and Wales, 2002. Data source: Gonococcal Resistance to Antimicrobials Surveillance Programme (GRASP).

POPULATION SUBGROUPS

Homo/bisexual men
Since HIV/AIDS reporting began in the United Kingdom in the early 1980s there have been 29 890 HIV diagnoses reported in homo/bisexual men, 12 284 of whom have progressed to AIDS, and 8761 of whom have died. HIV was the third most commonly diagnosed major STI in homo/bisexual men in 2002 (fig 2).

In 2002, the UA GUM survey found that 6.5% (97/1495) of previously undiagnosed HIV infected homo/bisexual men were co-infected with an acute STI; the equivalent figure in Scotland was 2.9% (12/416) and elsewhere in England, Wales, and Northern Ireland, 3.5% (25/719). Such individuals are of particular concern since they may be at higher risk of passing on their HIV infection to others. In London, 4% (27/672) of homo/bisexual men under 25 years attending GUM clinics had a previously undiagnosed HIV infection a clear indication of continuing HIV transmission at relatively high levels. Application of STARHS found that annual HIV incidence among homo/bisexual men rose to approximately 3.5% in 2002,20 compared to 2–3% from 1995–2001,27 although this difference is not statistically significant. The highest incidence was seen in those aged 35–44 (5.9%, 95% confidence intervals 3.7 to 8.8). This increasing trend occurred in a period when there were intensive health promotion campaigns and when 60–70% of diagnosed HIV infected homo/bisexual men were on antiretroviral therapy (ART).

Since 1999, considerable increases in the rate of acute STI diagnoses in homo/bisexual men attending GUM clinics have been observed (fig 2). Rates of gonorrhoea diagnoses doubled between 1999 and 2001, from 612/100 000 to 1242/100 000. A slight decrease was observed overall in 2002, but there was no decrease in men aged 16–24 where rates increased from 648/100 000 in 1999 to 1194/100 000 in 2002. In 2002, rates of homosexually acquired infectious syphilis have shown a marked rise since 1999 (616%). This has been associated with a series of large localised outbreaks in Brighton, Manchester, Newcastle upon Tyne, London,22 central Scotland,28 and Northern Ireland.29 Data collected between April 2001 and September 2003 from the ESS programme indicate that 46% of homo/bisexual men diagnosed with infectious syphilis in London were co-infected with HIV. Increases in genital chlamydia infections in homo/bisexual men were also observed in 2002, up 144% since 1999.

Factors influencing transmission
Behavioural surveillance data among homo/bisexual men in the United Kingdom have demonstrated increases in rates of unprotected anal intercourse (UAI), and specifically, UAI involving HIV discordant or unknown status partners.30 Data from Natsal 200025 suggest that there have been increases in the prevalence of male homosexual behaviour in the general population, and increases in some high risk behaviours among homosexually active men.31 The reasons for this rising risk are unclear. However, continued liberalisation of attitudes towards homosexuality,32 and “safer sex” fatigue in the era of ART,34 coupled with expansions in opportunities which facilitate partner acquisition (for example, the internet, saunas)34 may be contributing factors.

Young people
People aged 16–24 accounted for just over 10% (588/5542) of all reports of new HIV diagnoses in 2002; a proportion that has remained constant over time. Their risk exposure distribution was similar to that of people aged over 24. Heterosexual HIV acquisition accounted for 63% (370/588) of new HIV diagnoses in 2002 in those aged 16–24, with the
The majority of individuals (65%, 242/370) probably infected in Africa.

Rates of STIs have risen markedly among young people (fig 3) and this population subgroup bear a disproportionate burden of STI diagnoses. In 2002, women aged 16–24 accounted for 72% (33 205/46 140) of all female chlamydia diagnoses, 66% (5031/7569) of gonorrhoea, 62% (50/137) of syphilis and 61% (19 792/32 544) of genital warts reported from GUM clinics in England, Wales, and Northern Ireland.

Rates of diagnoses from GUM clinics for chlamydia, gonorrhoea, and genital warts were highest among females aged 16–19 and males aged 20–24. The highest rates of chlamydial diagnoses were seen in women aged 16–19 and men aged 20–24 at 1209 and 842/100 000 respectively. These figures are likely to underestimate the total number of infections because most infections in women are asymptomatic, and thus care and treatment are not sought. Chlamydial infections diagnosed in primary care and other community settings are not reported in the KC60 returns and also contribute to this underestimation. Of women diagnosed with gonorrhoea, 40% were under 20. In men, rates of gonorrhoea were highest in those aged 20–24 in 2002 (296/100 000), an increase of 231% since 1997. Similarly, rates of genital herpes simplex infection remain highest among males and females aged 20–24 (93/100 000 and 26/100 000 respectively). Unlike other bacterial STIs, rates of syphilis among young people remain low.

Factors influencing transmission

Young people are behaviourally more vulnerable to STI acquisition as they generally have higher numbers of sexual partners, more concurrent partnerships, and change partners more often than older age groups. Although consistent and proper use of condoms reduces the risk of STI transmission and unintended pregnancy, many young people may not have developed the skills and confidence to implement this successfully.

STI re-infection is a particular concern in this population. In a study of three GUM clinics, young age was a key determinant of STI re-infection within a year of initial diagnosis. Studies in the United States have also found that re-infection rates are high among adolescents and young adults, particularly women, including those aged under 15.

Black and ethnic minority populations

The number of HIV infected black African adults born in the United Kingdom is increasing but currently remains low. It is estimated that in 2002, black African adults accounted for 63% (15 400) of the total of prevalent HIV infections in heterosexuals, and 51% (4800) of heterosexuals who are unaware of their HIV infection. In 2002, of the 12 203 HIV infected heterosexuals reported to SOPHID, 68% (8262) of those for whom ethnicity was reported were black African (a 330% increase since 1997), 4% (501) black Caribbean, and 21% (2580) white. The UA GUM clinic attendees accepting a voluntary confidential HIV testing (VCT) can be measured through the UA GUM survey, which collects KC60 data in addition to limited demographic information. Voluntary confidential HIV testing (VCT) has increased in homo/bisexual men and heterosexuals respectively, from 45% (2724/6019) and 29% (16 886/60 658) in 1997, to 62% (4604/7572) and 54% (40 746/74 935) in 2002 in England, Wales, and Northern Ireland. From 2003, modified KC60 data will allow better monitoring of VCT uptake. In Scotland, data indicate that uptake of VCT has increased in homo/bisexual men and heterosexuals respectively, from 47% (454/959) and 23% (2624/11 223) in 1997, to 59% (761/1290) and 36% (5142/14 281) in 2002.

Similarly, over recent years, CD4 surveillance data show a recent trend towards earlier diagnosis for homo/bisexual men. Only 24% of homo/bisexual men had a CD4 cell count less than 200 cells ×10⁹/l at HIV diagnosis (an indicator of a “late diagnosis”) in 2002 compared to 28% in 1997. In contrast, 43% of newly diagnosed heterosexuals had a “late diagnosis” in 2002. This may be because a high proportion of heterosexuals were infected, and previously lived abroad. Additionally, heterosexuals may perceive themselves to be at lower risk from HIV and may present for testing only when they become symptomatic.

In England, the proportion of HIV infected pregnant women remaining undiagnosed by the time of delivery has declined since the introduction of the universal offer and recommendation of an HIV test as a routine part of antenatal care in 1999; this policy has now been introduced elsewhere in the United Kingdom.

HIV SCREENING AND TREATMENT

There has been some success in interventions aimed at reducing HIV transmission in the United Kingdom. Diagnosis at an earlier stage of HIV infection presents the opportunity for treatment to postpone further illness and to reduce viral load which, along with changes in sexual behaviour, may reduce the risk of onward HIV transmission.

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In 2002 there were an estimated 686 births to HIV positive women in England, Wales and Scotland, of whom at least 79% (539/686) were reported as diagnosed before delivery. Overall, HIV detection rates in 2002 are currently estimated at 75% (318/422) for London, 85% (199/234) elsewhere in England and Wales and 73% (22/30) in Scotland (fig 5). These minimum estimates are subject to reporting delay and are likely to rise as more diagnosed infections in pregnancies are reported.

These improved maternal HIV detection rates have reduced the proportion of exposed children who go on to acquire the infection vertically. In London, in 2002 (based on the current estimated detection rates), the estimated proportion of children exposed to HIV vertically who were themselves infected was 8% (35/422) compared with 19% (37/200) in 1997. In the rest of the United Kingdom this proportion decreased from 22% (25/113) in 1997 to 6% (16/264) in 2002.

A high proportion of HIV infected people who were eligible for ARV were on medication in 2002 in the United Kingdom. Of the 1708 homo/bisexual men with CD4 counts of 200 cells \( \times 10^3/l \) or less, 78% were on therapy; of the 2433 heterosexuals, 78% were on therapy; and of the 211 IDUs, 73% were on therapy (measured through SOPHID). Equivalent figures for ARV were on medication in 2002 in the United Kingdom. Of the 1708 homo/bisexual men with CD4 counts of 200 cells \( \times 10^3/l \) or less, 78% were on therapy; of the 2433 heterosexuals, 78% were on therapy; and of the 211 IDUs, 73% were on therapy (measured through SOPHID). Equivalent figures are reported.

These data confirm the need for national and local prioritisation of sexual health and HIV prevention activities. Interventions such as those outlined in the English Sexual Health and HIV Strategy need to be implemented urgently. For homo/bisexual men this includes HIV/STI education, promotion of safer sex and HIV testing, and increasing the uptake of hepatitis B vaccination in GUM clinics. The strategy has also specifically identified young people as a priority group for action and the Department of Health is currently implementing a range of interventions including the National Chlamydia Screening Programme. The persistent ethnic disparities in sexual health outcomes deserve even greater attention, particularly with emerging evidence of increasing HIV transmission within the United Kingdom among black communities. The disaggregate STI surveillance system currently under development will allow ethnic disparities to be used as a powerful tool in providing information for action. The role of surveillance has been instrumental in the creation and monitoring of successful initiatives such as the introduction of the universal offer and recommendation of an HIV test in pregnant women.

![Figure 5: Estimated proportion of HIV infected women diagnosed before delivery and of exposed children becoming infected with HIV†. (A) London. (B) Outside London—England, Wales, and Scotland. †Includes those previously diagnosed and those diagnosed through antenatal testing. ‡Assumes a vertical transmission rate of 26.5% in undiagnosed women and 2.2% in diagnosed women. These data contain reports received by the end of September 2003. Data for 2002 should be considered preliminary minimum estimates, and as the number of reports rise, estimates of infants becoming HIV infected will fall.) Data source: Unlinked Anonymous Programme and the National Study of HIV in Pregnancy and Childhood (NSHPC).](http://sti.bmj.com/)

**DISCUSSION**

The surveillance data confirm that HIV and other STIs have increased within the UK population. Population subgroups that have high rates of sexual partner change continue to have higher infection rates, in particular HIV and STIs among homo/bisexual men and STIs among young people. Black and ethnic minority populations (including subgroups born in high prevalence countries) are disproportionately affected by poor sexual health. There is some evidence of onward HIV transmission rising within the United Kingdom though as yet this is limited.

Health promotion campaigns, targeted HIV and chlamydia screening initiatives, and increased sensitivity of diagnostic tests may all have played a part in the rising number of HIV and STI diagnoses reported in 2002. The well documented pressure mounting upon GUM clinics through increased numbers of high risk patients attending has undoubtedly contributed to the observed trends. Since KC60 returns data are aggregate, it is not possible to determine what proportion of attendees are re-attending for follow up and/or are becoming re-infected. A disaggregate STI surveillance system is currently under development and will help interpretation of future trends.

STI diagnoses are mainly reported through GUM clinics and voluntarily from NHS laboratories. The former misses cases diagnosed in other settings and the latter reports are incomplete. This combined with the requirement for data accuracy over data quantity may have led to a general underestimate of HIV and STI diagnoses in the United Kingdom.

Indications from Natsal 2000 of increasing high risk behaviour (including concurrent partnerships and higher rates of partner acquisition), the continuing immigration of heterosexuals from countries of high HIV prevalence, and the suggested rising of HIV incidence, undiagnosed HIV infection, and STI diagnoses in homo/bisexual men all indicate that sexual health is deteriorating and the documented increases are real.

Through national collaboration, high levels of data reporting, analysis and feedback performed in conjunction within a complementary set of UK surveillance systems, allow the data to be used as a powerful tool in providing information for action. The role of surveillance has been instrumental in the creation and monitoring of successful initiatives such as the introduction of the universal offer and recommendation of an HIV test in pregnant women.

Our data confirm the need for national and local prioritisation of sexual health and HIV prevention activities. Interventions such as those outlined in the English Sexual Health and HIV Strategy need to be implemented urgently. For homo/bisexual men this includes HIV/STI education, promotion of safer sex and HIV testing, and increasing the uptake of hepatitis B vaccination in GUM clinics. The strategy has also specifically identified young people as a priority group for action and the Department of Health is currently implementing a range of interventions including the National Chlamydia Screening Programme. The persistent ethnic disparities in sexual health outcomes deserve even greater attention, particularly with emerging evidence of increasing HIV transmission within the United Kingdom among black communities. The disaggregate STI surveillance system currently under development will allow ethnic disparities...
We would like to thank our collaborating centres for HIV and AIDS in the United Kingdom. health practitioners, occupational health doctors and nurses, and Sexually Transmitted and Blood Borne Viruses Laboratory, We gratefully acknowledge the continuing collaboration of the Elizabeth Rudd, Ian Simms, and Katy Sinka. Vivian Hope, Alisha Johnston, Louise Logan, Catherine Lowndes, Leah de Souza, Sarah Dougan, Gillian Elam, Josh Forde, John Harris, Tim Chadborn, Glenn Codere, and young people.

Effective surveillance is essential to provide timely information on the changing epidemiology of HIV and other STIs in the United Kingdom in sexual health to be monitored in the future and will facilitate the determination of where preventive efforts need to be targeted. In the meantime, key interventions for prioritisation include improving access to treatment and care services in hyperendemic areas; raising community HIV/STI awareness; and enhancing secondary prevention actives including partner notification. Elsewhere in the United Kingdom, health promotion campaigns aimed at high risk subgroups are being implemented and will undoubtedly require scaling up in the near future. In Wales, for example, the “Come Clean” multimedia campaign has been run by BBC Wales and the Welsh Assembly and is targeted at young people. Effective secondary prevention activities are also needed to tackle the growing problem of STI re-infection and epidemiological synergy between STIs and HIV infection. Such initiatives need to be fully supported and sustained if further deterioration in the United Kingdom’s sexual health is to be prevented. Finally, although the impact of these initiatives can only be recognised over many years it is important that medium and long term targets are set and progress monitored to ensure the most appropriate, cost effective, and efficient use of scarce resources.

Further information on HIV/STI surveillance trends can be found in a report published by the Health Protection Agency and others: Health Protection Agency, SCIEH, ISD, National Public Health Service for Wales, CDSC, Northern Ireland and the UASSG. Renewing the focus. HIV and other Sexually Transmitted Infections in the United Kingdom in 2002. London: Health Protection Agency November 2003 (www.hpa.org.uk/infections/topics_az/hiv_and_sti/publications/annual2002/annual2003.pdf). ACKNOWLEDGEMENTS We extend our thanks to everybody who contributed to the writing of the annual report: Renewing the Focus: Tim Chadborn, Glenn Codere, Leah de Souza, Sarah Dougan, Gillian Elam, Josh Forde, John Harris, Vivian Hope, Alisha Johnston, Louise Logan, Catherine Lowndes, Neil MacDonald, Helen Munro, Bela Patel, Lara Payne, Brian Rice, Elizabeth Rushby, Helen Simms, and Katy Sinka. We gratefully acknowledge the continuing collaboration of the Sexually Transmitted and Blood Borne Viruses Laboratory, Specialist and Reference Microbiology Division, Health Protection Agency, and of clinicians, microbiologists, immunologists, public health practitioners, occupational health doctors and nurses, and other colleagues who contribute to the surveillance of HIV and STIs in the United Kingdom. We would like to thank our collaborating centres for HIV and AIDS surveillance in the UK: The Scottish Centre for Infection and Environmental Health; The Institute of Child Health (London); The UK Haemophilia Centres Doctors Organisation; members of the Scottish ISD(D)S Collaborative Group; Collaborators on the Unlinked Anonymous Programme (a full list of collaborators available at www.hpa.org.uk/infections/topics_az/hiv_and_sti/hiv/epidemiology/ua.html).

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 BBC Wales and the Welsh Assembly. www.bbc.co.uk/wales/content/com/ehealth/...
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