Summary points

Infection with herpes simplex virus type 2 is mostly asymptomatic and cannot be cured

Prevalence by age differs between populations and geographical areas

Serology tests are commercially available with acceptable sensitivity and specificity

Use of the tests to screen low prevalence groups would give high rates of false positive results

Potential biotechnical, medical, epidemiological, psychosocial and ethical advantages and disadvantages must be balanced at both the individual and public health level

Screening cannot currently be ethically justified

sexual relationships and also prevent transmission. Concern about infecting a partner is common among those diagnosed, although relationship issues and not infection control seem to be the main cause for this."

The chosen ethical principles for guidance should be intellectually and emotionally acceptable in the affected society, in our case primarily patients at an STD clinic, their partners, the clinic staff, and policy officials. We do not know whether this is the case, and more information is needed from social science research.

In our opinion, justice as solidarity (see bmj.com) should be paired with autonomy in ethical deliberations of preventive health interventions. If the goal is solidarity rather than conformity, patients must be free to decide what they think is right, because that is what moral responsibility is all about. Without professional truthfulness-the basic tenet of patient involvement in clinical decisions-solidarity could never be accepted as an argument by itself. Patients must understand and feel comfortable with the messages from health institutions. They must also be convinced that reasonable societal support will be available and affordable for those infected with HSV-2 as well as for their partners.

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Contributors and sources: IK is a specialist in infectious diseases and professor in epidemiology and public health with an interest in the ethics of public health. G-BL, IK, and BMA are part of a herpes research network in western Sweden. TN is professor in medical ethics. IK and TN had the idea for this paper, and IK wrote the first draft. All authors contributed to the final version from their special fields of competence. The article is based on sources from the Pub Med and medical ethics research literature. They are all guarantors.

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- Koutsky LA, Ashley RL, Holmes KK, et al. The frequency of unrecognized type 2 herpes simplex virus infection among women. Sex Transm Dis 1990;17(2):90-4.
- Smith JS, Robinson NJ. Age-specific prevalence of infection with herpes simplex virus types 2 and 1: a global review. J Infect Dis 2002;186(suppl 1):3-28.

- Wald A, Zeh J, Selke S, Warren T, Ryncarz AJ, Ashley R, et al. Reactivation of genital herpes simplex virus type 2 infection in asymptomatic seropositive persons. N Engl J Med 2000;342:844-50.

 Brown ZA, Wald A, Morrow RA, Selke S, Zeh J, Corey L. Effect of serological status and cesarean delivery on transmission rates of herpes simplex virus from mother to infant. JAMA 2003;289:203-9
- Rouse DW, Stringer JSA. An appraisal of screening for maternal type-specific herpes simplex virus antibodies to prevent neonatal herpes. *Am J Obstet Gynecol* 2000;183:400-5.
- Scoular A. Using the evidence base on genital herpes: optimising the use of diagnostic tests and information provision. Sex Transm Infect 2002:78:160-5.
- Ashley RL. Sorting out the new HSV type specific antibody tests. Sex Transm Infect 2001:77:232-7.
- Fleming DT, McQuillan GM, Johnson JR, Nahmias, Aral OS, Lee FK, et al. Herpes simplex virus type 2 in the United States, 1976 to 1994. NEnglJMed 1997;337:1105-11.
- Roest RW, van der Meijden WI, van Dijk G, Groen J, Mulder PG, Verjans GM, et al. Prevalence and association between herpes simplex virus types 1 and 2-specific antibodies in attendees at a sexually transmitted dise clinic. *Int J Epidemiol* 2001;30:580-8.
- 10 Nilstun T. Forskningsetik i vård och medicin. [Research ethics in care and medicine]. 2nd ed. Lund: Studentlitteratur, 1994.
- Francoeur RT. Biomedical ethics. A guide to decision making. Canada: J Wiley, 1983.
- 12 Persson K, Mânsson A, Jonsson E, Nordenfelt E. Decline of herpes simplex virus type 2 and Chlamydia trachomatis infections from 1970 to 1993 indicated by a similar change in antibody pattern. Scand J Infect Dis 1995:27:195-9.
- 13 Gillon R. Medical ethics: four principles plus attention to scope. BMJ 1994.309.184
- Beauchamp TL, Childress JF. Principles of biomedical ethics. Oxford: Oxford University Press, 2001.
 15 Narouz N, Allan PS, Wade AH. Genital herpes: general practitioners'
- knowledge and opinions. Sex Transm Infect 2002;78:198-200.

 16 Tranöy KE. Medicinsk etik i vår tid [Medical ethics in our time]. Lund: Stu-
- dentlitteratur, 1993.
- 17 Fleming DT, Wasserheit JN. From epidemiological synergy to public health policy and practice: the contribution of other sexually transmitted diseases to sexual transmission of HIV infection. Sex Transm Infect 1999;75:3-17.
- 18 Corey L, Handsfield HH. Genital herpes and public health. Addressing a global problem. JAMA 2000;283:791-4.
- 19 Johnson RE, Nahmias AJ, Magder LS, Lee FK, Brooks CA, Snowden CB. A seroepidemiologic survey of the prevalence of herpes simplex type 2 infection in the United States. N Engl J Med 1989;321:7-12. (Accepted 28 June 2004)

Corrections and clarifications

Scandals have eroded US public's confidence in drug industry

In this news article by Jeanne Lenzer (31 July, p 247) we wrongly said that one of the authors of a study on the sources of lead in children living near a smelter failed to acknowledge that her husband owned the smelter in question. In fact, her husband didn't own the smelter; he owned the consulting firm that advised the owner of the smelter.

How protective is the working time directive?

We appeared to slash the salaries of new doctors in this editorial by Rhona MacDonald (7 August, pp 301-2). In the fifth paragraph we dropped a zero by mistake: 12 550 additional UK doctors would cost up to £780m [not £78m] (\$1420m; €1150).

Assessing the quality of research

One of the authors of this Education and Debate article by Paul Glasziou and colleagues has advised us that his published name was missing his middle initial (BMJ 2004;328:39-41). Jan Vandenbroucke is in fact Jan P Vandenbroucke.

UK health minister under pressure to ban smoking in

In this news article by Claire Laurent (14 August, p 368), we said that a \emph{BMJ} paper reinforced the findings of earlier studies linking passive smoking to coronary heart disease. Unfortunately, we inadvertently cited the wrong paper. The correct citation is: *BMJ* 2004;329:200-5. The web version and link have been amended.