Integrated sexual health services

Staff training in integrated sexual health services

R Kane, K Wellings

Coordination of family planning and GUM services has the potential to boost the effectiveness of both

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family planning clinics, yet relatively fewer opportunities for observation exist in the context of family planning, compared with GUM. Student attachments are rarer in family planning settings, problems of confidentiality may be more pronounced, and some health professionals are concerned that family planning staff are not equipped to train. 17

Barriers may also exist at service level. For example, services often have to undergo significant restructuring to cope with increasing client demand. One current example is the move towards the more advanced roles of nursing staff. Concurrent developments such as these also require fundamental restructuring and the implementation of new procedures and protocols, and may themselves create additional obstacles to specialty training by limiting the capacity of staff to attend courses.

There are, however, more fundamental concerns which impact on training. One is the difference in structure and culture of the specialties of family planning and GUM. Health practitioners working in family planning and GUM come from separate disciplines and focus on different aspects of health care. Broadly speaking, family planning has traditionally been preventive in scope, largely sessional and community based,20 while GUM is predominantly more curative in approach, seen more in terms of a career option, and is usually hospital based.21 The divide between the two specialties may be narrowing as new recruits are socialised into a more holistic ethos. Yet there is a danger that the perceived status inequalities which seem to stem from differences between the two specialties may be more resistant to change.

Some GUM practitioners question the competence of family planning staff to conduct GUM work and some family planning staff see those working in GUM as ill equipped to practise family planning.17 Concerns about diminished quality may mask more fundamental concerns about professional status, autonomy, and expertise. There are real fears of dilution of expertise among health professionals. Specialisation is seen as a key to advancement and, particularly among GUM physicians, there are anxieties that career progression might be slower in an integrated service. Enthusiasm for broadening expertise, then, is by no means universal, especially where breadth is perceived to be achieved at the cost of depth. For many GUM practitioners, their specialism is the single most attractive feature of their employment.

These more intractable aspects of the divide between family planning and GUM, as traditionally practised, clearly need to be addressed in training programmes. This problem may have been worse in the past when the gulf between the two specialties appeared wider. Change is likely to occur naturally through the upcoming stream of younger recruits. Indeed, a degree of integration may be inevitable precisely because of changes in medical education and training which are already in place. Wider opportunities are now available to younger doctors. The introduction of the Faculty of Family Planning and Reproductive Health Care (FFPRHC) was pivotal to the major changes in the family planning specialty, particularly with respect to having a more structured career ladder. This has the potential to encourage younger doctors to see family planning in terms of a career option. Many GUM physicians have now had formal training in family planning and many are members of the Royal College of Obstetricians and Gynaecologists,21 and GUM trainees are required to obtain the DFFP.22

Significant modules in GUM are included in community gynaecology.23 Opportunities for professional development are also increasing. Family planning doctors making the transition to more holistic services are able to attend Diploma courses in GUM, nurses the English National Board course in GUM and FP.24

Additionally there is now increasing cooperative training being developed around the United Kingdom with, for example, study units on sexual health being offered in some universities. There is also joint working between the FFP ric and MSSVD such that DFFP and sexually transmitted infection foundation (STIF) courses are increasingly being run in conjunction with one another.

Despite moves in the right direction, there remains a need for shared basic level training for GUM and family planning practitioners. However facilitative the provision of integrated services, the personal perspectives of those working in each of the specialties will be important in determining their success. Training may not solve all problems associated with service integration, but it is likely to be an important determinant, not merely of the comprehensiveness of service provision, but also of the cohesiveness of the profession.
Screening

Validity and utility of screening tests for STIs

H Ward, J Weber

Implications for STI control

The two key parameters in defining the utility of a screening test are its sensitivity and specificity. Sensitivity is the ability of the test to correctly identify individuals with the condition; specificity is the ability to correctly identify those without. There is usually a trade off between the two. For a screening test the priority is usually to identify all those with early or asymptomatic disease at the expense of including some false positives. This way those with a negative screening test can be told with some confidence that they are not affected, and those who screen positive can be further investigated through a diagnostic test with higher sensitivity to exclude the false positives. This traditional teaching relates to prognostic sensitivity to exclude the false positives. This way those with a negative screening test can be told with some confidence that they are not infected in order to break the chain of transmission. One strategy for doing this is to develop tests that can be carried out rapidly with results given to the patient at the same consultation. There have been major advances in the past decade in developing such point of care (POC) tests, but almost invariably they have a lower sensitivity than the ever expanding gold standard.

However, effectiveness of a screening programme is not based only upon the validity of individual results. It is also based on the coverage of the relevant population and on the ability to rapidly and effectively treat those who are infected in order to break the chain of transmission. One strategy for doing this is to develop tests that can be carried out rapidly with results given to the patient at the same consultation. There have been major advances in the past decade in developing such point of care (POC) tests, but almost invariably they have a lower sensitivity than the ever expanding gold standard. This means that many programme managers dismiss POC tests as inappropriate. This may be short sighted. Using tests that require laboratory support usually means that patients have to return for their results, introducing a delay of 1–2 weeks before treatment can be initiated allowing time for further transmission. In addition, some patients remain untreated as they do not return and cannot be traced. A test with an immediate result would overcome these two problems. This has been called the rapid test paradox, in which a lower rate of detection leads to more cases being treated. Screening for an infectious agent can thus be thought of as similar to vaccine programmes, where population immunity is a key factor in addition to individual vaccine efficacy.

In STIs screening has an expanded role...to reduce transmission and contribute to STI control

In a very useful contribution to this debate in this issue of STI, Vickerman and colleagues (p 363) report results of a modelling exercise to look at the sensitivity requirements of POC tests in relation to their potential impact on STI control. They use data from various populations in Africa and in the United Kingdom to inform the model, and show that a test with a relatively low sensitivity can still make a significant contribution to STI control in situations where, for example, only 80% of women return for treatment and 50% of those infected transmit to a partner during the treatment delay.

The authors are particularly interested in the implications for STI control in resource poor settings, where laboratory facilities are limited and cheap POC tests could be a useful addition to the limitations of current syndromic management approaches. But this should not be dismissed as irrelevant for wealthier countries with good laboratory facilities. In a recent study of opportunistic chlamydia screening in young people in London, with a prevalence of 10.6%, only 76% of those with a positive or equivocal result returned for treatment.
In mobile and hard to reach groups such as tourists, sex workers, and refugees there would be added advantages to using rapid tests. Less is known about whether a test with immediate results would be more acceptable to those who are being screened, but given the increasing popularity of instant access to information and services, it seems likely to have a widespread appeal.

Once again in the field of STI control we may be facing a conflict between the population or public health perspective, where coverage and rapid treatment is the key, and the individual or clinical perspective, where a high level of validity is paramount.

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**REFERENCES**