Dual job holding by public sector health professionals in highly resource-constrained settings: problem or solution?

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Abstract This paper examines the policy options for the regulation of dual job holding by medical professionals in highly resource-constrained settings. Such activity is generally driven by a lack of resources in the public sector and low pay, and has been associated with the unauthorized use of public resources and corruption. It is also typically poorly regulated; regulations are either lacking, or when they exist, are vague or poorly implemented because of low regulatory capacity. This paper draws on the limited evidence available on this topic to assess a number of regulatory options in relation to the objectives of quality of care and access to services, as well as some of the policy constraints that can undermine implementation in resource-poor settings. The approach taken in highlighting these broader social objectives seeks to avoid the value judgements regarding dual working and some of its associated forms of behaviour that have tended to characterize previous analyses. Dual practice is viewed as a possible system solution to issues such as limited public sector resources (and incomes), low regulatory capacity and the interplay between market forces and human resources. This paper therefore offers some support for policies that allow for the official recognition of such activity and embrace a degree of professional self-regulation. In providing clearer policy guidance, future research in this area needs to adopt a more evaluative approach than that which has been used to date.

Keywords Health manpower; Physician’s practice patterns/legislation; Professional practice/legislation; Motivation; Physician incentive plans; Public sector; Private sector; Quality assurance, Health care; Health policy; Developing countries (source: MeSH, NLM).

Mots clés Personnel santé; Attitudes diagnostique et thérapeutique (Économie santé)/législation; Pratique professionnelle/législation; Motivation; Plan d’intérêtement praticiens; Secteur public; Secteur privé; Garantie qualité soins; Politique sanitaire; Pays en développement (source: MeSH, INSERM).

Palabras clave Recursos humanos en salud; Pautas en la práctica de los médicos/legislación; Práctica profesional/legislación; Motivación; Planes de incentivos para los médicos; Sector público; Sector privado; Garantía de la calidad de atención de salud; Política de salud; Países en desarrollo (fuente: DeCS, BIREME).

Introduction

Dual job holding by civil servants is a common practice in developing countries and is often seen as a response to the low salaries paid to workers in the public sector. A recent study, examining the moonlighting activities of civil servants in a number of countries, found that 87% of them supplemented their salaries through second jobs, with such activities adding between 50 and 80% to their incomes (1).

Perhaps not surprisingly it has been found to be common for doctors who work in the public health sector to engage in private practice or to be employed at facilities elsewhere (although nurses, midwives and other health workers also engage in dual practice). Gruen and colleagues examined dual practice in Bangladesh through interviews with government-employed doctors. They found dual job holding to be widespread and to be adopted largely in response to the low pay offered by the...
public sector. The results indicated that most of the doctors surveyed were able to double their incomes through such activities (2). Likewise, in a study conducted in Portuguese-speaking African countries, which was also based on interviews with public sector doctors, it was reported that two thirds of those doctors interviewed were involved in alternative income-generating activities (3).

Although the main reason why individuals carry out dual practice in the health sector is to supplement the income they derive from public work (2, 4–7), non-financial incentives such as status and recognition, strategic influence, control over work and professional opportunities have also been identified as contributory factors (8). However, opportunities for such work are not always readily available (5, 9).

Internationally, there are wide variations in the ways in which dual practice is regulated. For instance in Canada, such activities appear to be contrary to official regulations although there is a degree of vagueness as to how they are dealt with due to a lack of explicit guidelines (10). Although in Thailand there also appears to be a lack of specific acknowledgement of dual practice, it seems to be an accepted activity (9). In China, although dual practice is not condoned under official regulations, there is evidence that it occurs on a significant scale and is widely acknowledged (4). In other settings, such as France, Germany and the United Kingdom (11–13), the right to engage in private practice is enshrined in the conditions of employment for health professionals in the public sector.

Concerns about dual practice can be seen to be based on two types of adverse incentives faced by the practitioner, namely, to misappropriate public sector resources and, to divert patients into private treatment (7). So far, studies on dual practice have tended to focus on the scale and nature of such activities (2, 3, 14). The limitation with previous studies on this topic is that the assessment of policy options has not generally entailed any consistent normative criteria and has been based on ad hoc observations as to the negative consequences of dual practice.

In this study we identified appropriate criteria and aimed to examine various policy options with particular reference to these and the institutional context in which dual practice activities are carried out, particularly in low- and middle-income countries. The potential implications of such activities are discussed below and the discussion is followed by a critical analysis of available policy options. Finally, some conclusions are drawn.

**What impact does it have?**

From the point of view of the public sector, allowing health professionals to engage in private practice can be a means of minimizing the budgetary burden required to retain skilled staff. In low- and middle-income countries, given the often acute scarcity of public sector resources, this is an important policy option that allows the public sector to compete with both private and overseas employers for the services of medical staff (15).

However, dual job holding by public sector health professionals is potentially a problem because it may create inappropriate incentives as the boundaries between a public health professional’s day-to-day job and his or her private practice can become blurred. Firstly, it can encourage the misappropriation of scarce public sector resources into the private sector. An example might be the unauthorized use of facilities, drugs and maybe even support staff within a public facility in the conduct of private practice — a situation for which some evidence exists among obstetricians and ophthalmologists in Thailand (9). The drain on public resources caused by such practices can significantly hamper the capacity of such facilities to treat patients adequately.

The second reason why private practice by public health workers has been posited as a problem is because it may lead to doctors diverting patients from public facilities into private services. Indeed there is evidence, for example in Peru and Zimbabwe, that some overt patient diversion does occur (5, 6). According to the United States Agency for International Development (USAID), this is a common problem in Africa due to the low pay in the public sector and an overall shortage of doctors (7).

The mechanisms that health workers use to divert patients can vary in their complexity. Perhaps the crudest means, as mentioned above, is through direct referral of patients by doctors (5–7). A more subtle means is through increasing waiting times or waiting lists for services in the public sector (16) and a still more subtle approach to patient diversion may be through manipulating the quality of service so that clear differences exist between those that the professional provides through the public sector and those that he or she provides privately. This is done by deliberately downgrading the quality of service provided in the public sector, for example, in terms of a provider’s demeanour and the way he or she communicates with the patient. Such behaviour has clear negative consequences and would be viable only if poor quality in the public sector did not have adverse consequences for an individual’s professional reputation, and thus income earning potential, in private practice.

**Policy options**

An important first step in examining the policy options available is to identify the objectives to which they would be geared and thus, the basis on which they can be assessed. These objectives can be inferred from the preceding discussion where, in particular, the potentially negative consequences of dual practice on quality of care and access to services were highlighted. The aim of focusing on these broader objectives is to avoid ex ante value judgements about the rights and wrongs of dual practice per se or the activities sometimes associated with it, such as the use of public sector resources by dual practitioners and the diversion of public patients into private practice.

An additional consideration is the constraint posed on various policy options by their costs and the resources available to meet these: i.e. simply paying doctors enough to match total public and private income is unlikely to be either feasible or sustainable in resource-poor settings. Therefore any assessment of policy options needs to recognize the impact of costs on one side of the equation, and, of quality of care and access to services on the other. This evaluative framework broadly resembles that of regulatory impact analysis (17, 18) where policy change is assessed on the basis of cost and social outcomes.

In the following discussion, a number of options are highlighted and some of the evidence from the literature relating to their cost and ability to meet the above social objectives is discussed. Given the paucity of information in this area and because much of it is influenced by highly specific contextual factors, the options set out below are necessarily examined in general terms.
Regulatory controls or bans
As mentioned in the first section, dual practice is commonly regulated by means of bans or strict limitations on such activity. The evidence from some low-income settings, however, is that such regulations are often not properly enforced and when they are, may lead to problems manifesting elsewhere in the system such as the "brain drain" of doctors to other countries, the growth of the informal health sector or increase in informal payments (7, 14, 19). In practice, bans do not prevent these activities, but instead take them outside the regulatory and policy jurisdiction of government (4).

A variation on bans is the use of exclusive contracts. These are payments to public sector staff in return for their agreement not to engage in private practice. These contracts are employed in a number of countries including Spain (13) and Thailand (9). The problem with this measure is that in the context of the strict resource constraints that often exist within low- and middle-income countries, such payments can be prohibitively costly — particularly if incomes in the private sector are high and thus there is a need for greater levels of compensation. Furthermore, the experience in Thailand indicates that such payments to one group of providers (doctors) and not others (e.g. nurses and other health staff) can create resentment in other professional groups (9).

In contrast to these measures, the potential value of recognizing and legitimizing dual medical practice is that, at one level, it enables some degree of control to be exercised over quality and safety. For instance, this may occur through continuing education programmes conducted within the public sector which could directly filter through into at least that section of the private sector where individuals hold dual positions. At another level, dual job holding can provide policy-makers with another professional group (e.g. nurses and other health staff) who can carry out the work carried out in private practice is paid on a fee-for-service basis. The incentive on the provider in such situations, however, is that the public sector remuneration. On this basis, the incentive to shift effort from public-sector to private-sector work would be offset by making remuneration for public practice, like that of private practice, related to effort or output.

The most immediate and overriding constraint on the feasibility of this option however is the cost to the public sector. In circumstances where there are tight resource constraints in the public sector, this option is unlikely to be feasible. This is because implementing this option in such circumstances would require the unlikely condition that significant number of individuals would be happy to accept incomes through this arrangement that were only equal to or below existing salary levels.

Self-regulation
Regulatory responses in many low- and middle-income countries must take into account the constraint imposed by low regulatory capacity within their governments, particularly when significant resources are required for monitoring and enforcement (24, 25). As indicated earlier, one issue of concern is that dual practice may encourage doctors to reduce the quality of care in the public sector to divert patients into private practice.

In the UK as in many high-income settings, this issue of quality is largely a matter of professional self-regulation. Self-regulation of this nature works because significant weight is given to an individual's reputation as a doctor in public practice, which influences his or her income-generating capacity in private practice. The role of professional bodies is to link accreditation, certification and other means of performance assessment with certain core competencies and participation in various activities within the public sector. The incentive created enables competitive pressures within private practice to spill over into the public sector in terms of improved quality, because a fall in quality in an individual's public sector work is translated into reduced private practice earnings. Indeed, in certain circumstances, this could lead to an incentive to "overprovide" quality in the public sector, particularly in high-income settings, because the health facility rather than the individual doctor bears the cost of providing additional quality (13).

The role of such regulation could be viewed as addressing the uncontrolled proliferation of private providers and, in a sense, establishing barriers to entry. For example, in Bangladesh, strong support was expressed by providers for the introduction of some form of regulation that would control quality (2). There are few published examples of successful self-regulation in the health sector in low- and middle-income countries. An exception is that documented by Wadee and Gilson, who undertook a case-study of the regulation of the pharmaceutical sector by the South African Pharmaceutical
Council (SAPC) and highlighted the effectiveness with which this body has, over a number of years, ensured safe drugs and restricted informal and illegal drug retailing. Key to this success was that the organization was designed to be highly responsive to consumer complaints — 90% of complaints were lodged by individual consumers (26).

A feature of professional self-regulation is that it is seen as a means of overcoming the collective action problem (sometimes referred to as the prisoners’ dilemma) of maintaining professional standards without recourse to action by the state (this may be necessary, for instance, when there is a weak state as is the case in many low-income settings or where there is some ideological resistance to government control). The problem, as we have characterized it, is that some of the adverse consequences of dual practice occur when there is no set of institutional arrangements that will ensure the cooperative behaviour of self-interested agents (27, 28) (e.g. behaviour such as channelling public patients to private practice through deliberately lowering standards of care in public practice occurs because the doctors are acting out of self-interest). The rationale for professional self-regulation is that it recognizes the collective interest in instituting some form of cooperative behaviour among individual agents. It works to varying degrees in different settings because over a number of iterations, individuals have the opportunity to develop reputations for cooperation by maintaining certain professional standards. Thus deviating from such patterns of behaviour becomes more and more costly the more individuals have invested in developing and protecting their reputations and consequently the more weight attached by external agents to such reputations. The latter point highlights the need for mechanisms within regulatory bodies for input from consumers or third parties — in some settings such input may be more appropriately elicited through civil society organizations such as consumer representative forums, through insurers or indeed government. As mentioned above, what was seen as crucial to the success in South Africa of the SAPC in its self-regulatory role was that it was set up to be responsive to consumer complaints.

Despite these features, it is worth considering the impact of such a measure on access to services. This is likely to be mixed because minimum quality controls tend to maintain prices above a certain level. When services in the public sector are mandated to be free or charged at below market prices, such measures may instead lead to reduced service availability (and longer waiting times) or increased informal fees. Consequently, there is a certain trade-off between quality and access to health care because higher-quality services will tend to be more costly, and thus specific measures addressing financial access need to be considered when proposing such forms of self-regulation.

Conclusion
Dual practice is a complex phenomenon which, in the context of low- and middle-income countries, reflects various wider systemic characteristics such as limited public sector resources, low pay for government employees, and limited regulatory capacity within government. In framing appropriate regulation and public policy to control this activity, it should be recognized that dual practice is more than simply a means by which public health workers generate extra income, and greater consideration should be given to the wider social objectives of access, affordability and quality of care.

When viewed in isolation from this wider context, there is a tendency to see dual practice as necessarily a problem, and the regulatory framework and its capacity to be enforced taken as given. In practice, when regulatory capacity is weak, the prospect of regulatory failure is high. This paper has sought to explore various means by which dual practice can be embraced as part of an effective and sustainable policy response that focuses on defined objectives of access and quality of care and also takes into account the institutional constraints imposed by these weak government regulatory structures, the limited capacity of the public sector to meet the income expectations of doctors and the interplay between market forces and human resources. In effect, the aim of this article was to look beyond some of the more immediate consequences of dual practice and examine options that see dual practice as part of a solution rather than necessarily a problem. In doing so it has sought to avoid the ex ante value judgements about the ethics of dual practice or some of the immediate forms of behaviour it may encourage. As emphasized above, the evidence to date does not point unequivocally to any specific policy measure that will promote the social objectives identified in this paper, although it does suggest that policies that allow for the recognition of dual practice and that embrace some degree of professional self-regulation warrant further consideration within resource-constrained settings.

An important reason why evidence in this area is inadequate is that past research has tended to focus on describing the nature of this “problem”, focusing on issues such as the motivations of individual actors, the extent of dual working, the characteristics of participants and the level of income earned. To fill the gaps in existing knowledge, future research needs to take on a more evaluative perspective by assessing, in particular, the costs and benefits of different policy options. As indicated earlier, regulatory impact analysis is one framework that can be used although there does not seem to be any reason why conventional forms of economic evaluation cannot also be applied. Finally, issues of implementation as discussed in this paper are crucial to assessing the viability of policy options, and the analytical perspectives provided by the political science literature on implementation would also be worth exploring empirically (29, 30).

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Résumé
Exercice d’un double métier par les professionnels de la santé du secteur public dans les pays à ressources très limitées : problème ou solution ?

Le présent article étudie les options possibles dans la réglementation de l’exercice d’un double métier par les membres des professions médicales des pays à ressources très limitées. La deuxième activité est généralement motivée par le manque de ressources et le faible niveau de rémunération dans le secteur public. Une relation a été établie entre l’exercice d’une deuxième activité et le détournement de fonds publics et la corruption. Cette activité est habituellement peu réglementée : il n’existe souvent pas de réglementations ou celles en vigueur sont vagues ou rarement appliquées, en raison de la faible compétence de réglementation. L’article s’appuie sur les éléments limités disponibles à ce sujet pour évaluer un certain nombre d’options, en tenant compte des objectifs de qualité des soins et d’accessibilité des services, ainsi que de certaines contraintes politiques susceptibles de compromettre l’application de ces réglementations dans les pays à ressources limitées. L’approche adoptée pour dégager des objectifs sociaux plus larges s’efforce d’éviter les jugements de valeurs portés sur l’exercice d’un double métier et sur certaines des formes de comportement pouvant lui être associées, jugements qui tendraient à caractériser les analyses antérieures. La pratique d’un double métier est considérée comme une solution organisationnelle possible à des problèmes tels que le manque de ressources (et de revenus) du secteur public, la faible compétence de réglementation et l’interaction entre les forces du marché et les ressources humaines. Le présent article propose donc un document d’appui pour l’élaboration de politiques autorisant la reconnaissance officielle d’un tel double métier et prévoyant un certain degré d’autoréglementation de la profession. Les futurs travaux de recherche dans ce domaine devront adopter une démarche plus évaluative que celles appliquées jusqu’à présent, ce qui fournira des éléments d’orientation plus éclairants.

Resumen
La doble práctica entre los profesionales sanitarios del sector público en los entornos con recursos muy limitados: problema o solución?

En este artículo se examinan las opciones de política para la regulación de la doble práctica profesional entre el personal médico en los entornos con recursos muy limitados. Tal actividad se debe en general a la falta de recursos del sector público y a las bajas remuneraciones y se ha asociado al uso no autorizado de recursos públicos y a problemas de corrupción. Es también un ámbito tradicionalmente mal regulado; las normas al respecto son inexistentes, y cuando existen son vagas. La doble práctica es tradicionalmente mal regulada; las normas al respecto son inexistentes, y cuando existen son vagas. La doble práctica se considera una posible solución de los sistemas ante problemas tales como unos recursos (y unos ingresos) públicos limitados, una escasa capacidad reguladora y la interacción entre las fuerzas del mercado y los recursos humanos. En consecuencia, en este artículo se tiende a apoyar las políticas que permiten reconocer oficialmente esas actividades y se aboga por un cierto grado de autorregulación profesional. Para proporcionar una orientación normativa más precisa, las futuras investigaciones en este terreno deberán adoptar un enfoque más evaluativo que el utilizado hasta la fecha.
References


