

Efficiency considerations of donor fatigue, universal access to ARTs and health systems

Karen A Grépin

Correspondence to

Dr Karen A Grépin, Assistant Professor of Global Health Policy, New York University, 295 Lafayette Street, 3rd Floor, New York, NY 10012, USA; karen.grepin@nyu.edu

Accepted 5 October 2011

ABSTRACT

Objectives To investigate trends in official development assistance for health, HIV and non-HIV activities over time and to discuss the efficiency implications of these trends in the context of achieving universal access to treatment and health systems.

Methods Official development assistance for health, HIV programmes and non-HIV programmes were tracked using data from 2000 to 2009. A review of the literature on efficiency, treatment and health systems was conducted.

Findings The rate of growth of donor funding to HIV programmes has slowed in recent years at levels below those required to sustain programmes and to move towards universal access to treatment. These trends are likely due to increased pressure on foreign aid budgets and donor fatigue for HIV programmes.

Conclusions There is great need to consider how the limited resources available can be used most efficiently to increase the number of lives saved and to ensure that these resources also benefit health systems. Improving efficiency is much more than just improving the productive efficiency and also about ensuring that resources are going to where they will be the most beneficial and making investments that are the most efficient over time. These choices may be essential to achieving the goal of universal access to treatment as well as the sustainability of these programmes.

INTRODUCTION

Comprehensive HIV programmes have been rapidly scaled-up in developing countries over the past decade. This remarkable success is due in a large part to the dramatic increases in development assistance for health that has helped to finance these programmes. An estimated 6.6 million people are now receiving antiretroviral therapy (ART) in developing countries and millions more are accessing other important health and non-health services, which may help to reduce the spread and mitigate the impact of this deadly epidemic.¹

Despite this remarkable progress, aid flows for HIV programmes have stagnated in recent years, likely as a result of two forces: increased pressure on foreign aid budgets in donor countries and decreased interest among donors to expand support to HIV programmes—a potential symptom of *donor fatigue*. Most estimates of future funding needs to sustain existing programmes and achieve universal treatment coverage suggest that current funding levels are already below what is required to achieve these goals and require substantial increases in funding in the coming years.^{2–3} When donor fatigue set in the case of malaria and childhood vaccination programmes, progress that had been achieved under these global health efforts was lost.^{4–5} Increased

financing for HIV programmes by external donors is therefore critical to their future.

While the international community has committed to universal access to treatment, a large portion of those who currently need treatment today are still not accessing it, and given that incidence rates remain high, an increased number of people will also require treatment in the future.¹ The increased need for second-line treatments, which are more expensive than first-line treatments, is also likely to increase overall treatment costs, even if there is little expansion in the number of people accessing treatment.⁶ Ambitious treatment targets were set with little regard to financial considerations, without sufficient commitments from donors to finance these programmes, and donors have not always lived up to their commitments. With future funding flows for HIV programmes highly uncertain, there is great concern about whether there will be sufficient resources available to achieve universal access to HIV treatment.⁷ Now, more than ever, there is great need to carefully consider how the limited resources that are available can be used most efficiently to move closer towards the goal of universal access to treatment. Simultaneously, there is increasing pressure to also consider the impact of these resources on health systems and how these resources can most broadly benefit health—that is to generate *value for money*.

The purpose of this article is to discuss evidence of the slow down in development assistance funding for HIV programmes and the ways in which efficiency concerns might be built into the design of future programmes. In addition, it will also discuss the importance of also considering the ways in which these decisions might more broadly influence health systems.

OVERVIEW OF TRENDS IN DEVELOPMENT ASSISTANCE FOR HEALTH FOR HIV/AIDS: EVIDENCE OF DECLINING FUNDING FOR HIV

Official Development Assistance (ODA) for health is the term used to describe donor commitments to health programmes as monitored by the Organization for Economic Cooperation and Development Assistance Committee (OECD-DAC). It is the most commonly used measure of development assistance and it includes aid from most bilateral and multilateral donors.⁸ Using data from the OECD-DAC's online Creditor Reporting System commitments for: (1) all health-related activities or Official Development Assistance for Health (ODAH), including HIV, (2) HIV programmes alone and (3) non-HIV programmes are compared from 2000 to 2009, the most recently available figures available as of September 2011 (see figure 1). Here,

National and international issues

ODAH is calculated as the sum of sector codes 120 (health), 130 (population including HIV) and 16064 (social mitigation of HIV). HIV ODA is the sum of 13040 (STI control including HIV) and 16064 while non-HIV-related activities is the difference between ODAH and HIV ODA.

In figure 1, we can see that following nearly a decade of large increases, the rate of growth of ODAH has slowed in recent years. From 2001 to 2003, the average annual rate of growth of ODAH was 23.4%, 2004 to 2006 it was 22.8%, but it was only 8.6% from 2007 to 2009. Funding for HIV programmes has been even more variable: the average annual growth rate for HIV programmes was 59.7% from 2001 to 2003, 34.3% from 2004 to 2006 and only 6.1% from 2007 to 2009. While still increasing, the rates of growth for both HIV and non-HIV programmatic areas are lower than they were during most of the past decade.

Though there is no evidence of actual declines in funding through 2009 for either HIV and non-HIV programmes, the rate of growth of ODAH has declined substantially since 2007 and has been steepest for HIV programmes. While it is too soon to tell if this represents a permanent shift, it is certainly lower than during previous periods. The Kaiser Family Foundation, which uses a somewhat modified methodology to track development assistance to HIV programmes, recently released a report that also tracks donor commitments to HIV through 2010 and found that commitments for HIV have been flat from 2008 to 2010.⁹

Two forces have likely influenced these declining rates of growth for ODAH. The first is the Global Financial Crisis of the late 2000s, which has put pressure on the foreign aid budgets of rich donor countries, including the portion that is allocated to health programmes. The second is what is known as *donor fatigue*, which results when donors lose interest in a given aid target due to either shifting priorities to other concerns or through disillusionment for the original target. While it is difficult to pinpoint the exact cause of weakening donor support specifically to one of these causes alone, as one can be used to justify the other, a detailed analysis of these flows disaggregated for HIV and non-HIV programmes can shed some light on these as explanations for the slow down in funding.

Figure 2 depicts the share of all ODAH that has been committed by donors to HIV and non-HIV programmes. From 2000 to 2007, HIV increased steadily in terms of the share of all ODAH commitments. However, since 2007, HIV has plateaued as a proportion of overall health aid and may have even begun to decline as a share of all ODAH, suggesting that it may have become less of a funding priority for donors relative to other health concerns.

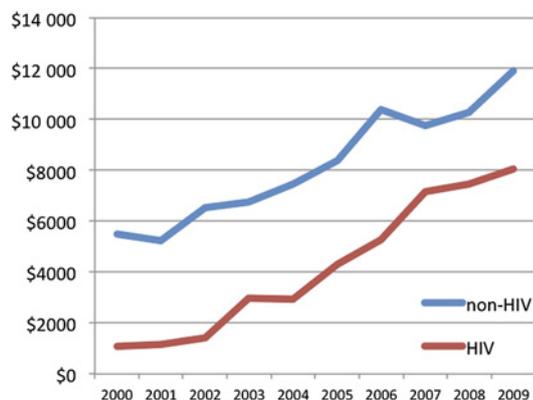


Figure 1 Level of ODA for non-HIV and HIV programmes, in 2009 constant USD millions.

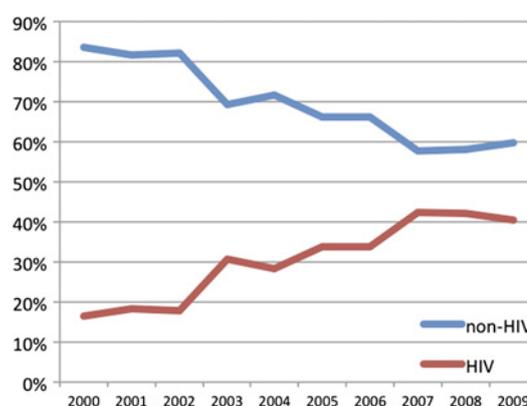


Figure 2 Non-HIV and HIV programmes as a share of all Official Development Assistance for health.

This analysis shows that while the overall level of funding for HIV programmes has not actually declined in recent years, the rate of growth has slowed or even stagnated and that HIV programmes are capturing a smaller share of total ODAH. HIV appears to be becoming a lower a priority for global health donors—perhaps as a result of donor fatigue. If these trends continue, and without substantial increases in domestic financing of HIV programmes, it will become challenging for HIV treatment programmes to continue to expand at or near historical rates and impossible to reach universal access to ARTs. HIV programme managers, health system planners and donors will need to carefully consider the implications of tighter budget constraints and increasing demands for treatment resources while continuing to strive towards the ambitious goal of universal treatment access. Given these financial pressures, it is more important than ever to consider how limited resources can be used most efficiently to continue to scale-up treatment while also considering more broadly how these resources are also affecting health systems.

EFFICIENCY CONCEPTS AND CONSIDERATIONS: HOW TO DO MORE WITH LESS

For this discussion, it is useful to distinguish between different concepts of efficiency. First, there is the concept of *productive* efficiency, which is the idea that at any time we are maximising outputs for a given level of inputs. In this context, this concept is frequently interpreted as maximising the number of people on HIV treatment or lives saved through treatment per level of investment. Second, there is also the concept of *allocative* efficiency, which can be interpreted as the allocation of resources that maximises outcomes per level of investment among HIV activities but could also be viewed as the allocation of resources within a health sector that maximises total health output. There is also the concept of *distributional* efficiency, which considers which groups or individuals are receiving the resources as we may wish to ensure that the resources are given to those that would benefit the most. Finally, we might also be concerned about efficiency over time, an alternative concept known *dynamic* efficiency. While the first of these concepts has received some attention in past, the other three concepts have received much less and it is possible that programmatic decisions that try to maximise one might actually be at odds with the others. It may also be the case that bigger gains in efficiency might be possible by focusing on the latter forms of efficiency.

Despite the success of the scale-up of treatment programmes globally, there has been a paucity of good and reliable data on

National and international issues

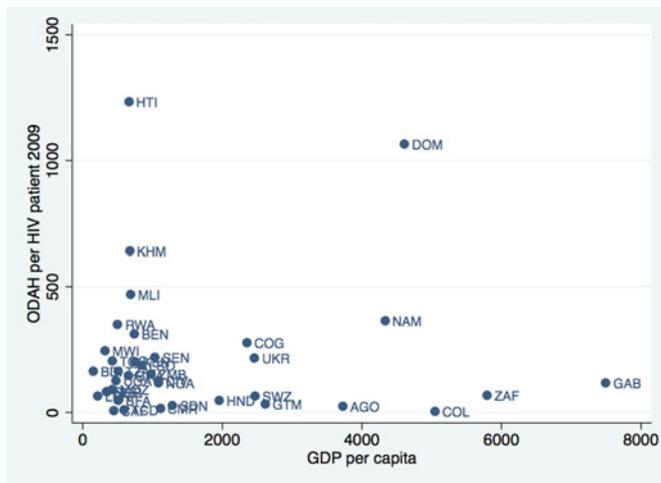


Figure 4 Allocation of ODA for HIV programmes per HIV-infected adult relative to Gross Domestic Product per capita, countries with HIV% >0.5%.

targets, there has been an under investment in HIV prevention activities.¹⁹ Although even less is known about the unit costs and effectiveness of HIV prevention programmes, it is likely that dynamically greater investments today in HIV prevention, in particular the kinds of prevention programmes that have been rigorously evaluated and have been shown to be effective, might be better investments than further expansions in HIV treatment.²⁰ In addition, recent research has suggested that earlier initiation of HIV treatment, in addition to being more effective at reducing mortality, might also be more effective at reducing transmission of the virus.^{21 22} If this is the case, this might also make the case for the prioritisation of earlier treatment on the basis of dynamic efficiency grounds.

CONCLUSIONS

This year, the global response to the HIV epidemic will enter into its fourth decade. The first decade was largely about understanding the scope of the problem, the second was learning about how to respond and advocating for global action and the third was about increasing and mobilising these resources. The fourth decade might be about learning about how to do more with less and how to make these programmes successful in the long run, even if donor resources decline for HIV. Improving the

efficiency of these programmes will be crucial to this process, but to be truly successful, it must be about a lot more than just improving the productive efficiency of programmes and also about ensuring allocative efficiency from a health systems perspective, ensuring that resources are going to where they will be the most beneficial and that we are making investments that make the most sense dynamically. Making these kinds of decisions is likely to involve many difficult tradeoffs but are likely to be essential to help achieve the noble goal of universal access to treatment as well as the sustainability of these programmes in the long run.

Competing interests None.

Contributors KG was responsible for conceptualising article, conducted the research and authored the manuscript.

Provenance and peer review Commissioned; externally peer reviewed.

REFERENCES

1. **UNAIDS.** AIDS at 30: nations at the crossroads. In: UNAIDS, ed. Geneva, Switzerland: UNAIDS, 2011.
2. **Hecht R,** Stover J, Bollinger L, *et al.* Financing of HIV/AIDS programme scale-up in low-income and middle-income countries, 2009-31. *Lancet* 2010;**376**:1254-60.
3. **UNAIDS.** *Global Report: UNAIDS Report on the Global AIDS Epidemic 2010.* Geneva, Switzerland: UNAIDS, 2010.
4. **Hardon A,** Blume S. Shifts in global immunisation goals (1984-2004): unfinished agendas and mixed results. *Soc Sci Med* 2005;**60**:345-56.
5. **Sachs J,** Malaney P. The economic and social burden of malaria. *Nature* 2002;**415**:680-5.
6. **Soni A,** Gupta R. Bridging the resource gap: improving value for money in HIV/AIDS treatment. *Health Aff (Millwood)* 2009;**28**:1617-28.
7. **Moszynski P.** News: donor fatigue is slashing access to AIDS care in Africa, warns charity. *BMJ* 2010;**340**:c2844.
8. **Grepin K,** Leach-Kemon K, Schneider M, *et al.* Development assistance for health: a review of the datasets. *Health Policy Plann.* Forthcoming.
9. **Kaiser Family Foundation and UNAIDS.** *Financing the Response to AIDS in Low- and Middle- Income Countries: International Assistance from the G8, European Commission and Other Donor Governments in 2010.* Washington, DC: Kaiser Family Foundation, 2011.
10. **Menzies N,** Berruti A, Berzon R, *et al.* The cost of providing comprehensive HIV treatment in PEPFAR-supported programs. *AIDS* 2011;**25**:1753-60. (London, England) (21412127).
11. **Brentlinger PE,** Assan A, Mudender F, *et al.* Task shifting in Mozambique: cross-sectional evaluation of non-physician clinicians' performance in HIV/AIDS care. *Hum Resour Health* 2010;**8**:23.
12. **Grepin K,** Jack W. Potential economic consequences of donor-financed HIV spending. Unpublished manuscript. 2008.
13. **Fulton B,** Scheffler R, Sparkes S, *et al.* Health workforce skill mix and task shifting in low income countries: a review of recent evidence. *Hum Resour Health* 2011;**9**:1.
14. **Rabkin M,** El-Sadr W. Why reinvent the wheel? Leveraging the lessons of HIV scale-up to confront non-communicable diseases. *Glob Public Health* 2011;**6**:247-56.
15. **Barnighausen T,** Bloom DE, Humair S. Going horizontal—shifts in funding of global health interventions. *N Engl J Med* 2011;**364**:2181-3.
16. **Grepin KA.** Leveraging HIV programs to deliver an integrated package of health services: some words of caution. *J Acquir Immune Defic Syndr* 2011;**57**(Suppl 2): S77-9.
17. **Schwartzlander B,** Stover J, Hallett T, *et al.* Towards an improved investment approach for an effective response to HIV/AIDS. *Lancet* 2011;**6736**:60702-2.
18. **Daniels N,** Bryant J, Castano R, *et al.* Benchmarks of fairness for health care reform: a policy tool for developing countries. *Bull World Health Organ* 2000;**78**:740-50.
19. **Over M.** *Prevention Failure: The Ballooning Entitlement Burden of U.S. Global Aids Treatment Spending and What to do About It.* Washington, DC: Center for Global Development, 2008.
20. **Galaraga O,** Colchero MA, Wamai R. HIV prevention cost-effectiveness: a systematic review. *BMC Public Health* 2009;**9**(Suppl 1):S5.
21. **Severe P,** Juste MA, Ambrose A, *et al.* Early versus standard antiretroviral therapy for HIV-infected adults in Haiti. *N Engl J Med* 2010;**363**:257-65.
22. **Cohen MS,** Chen YQ, McCauley M, *et al.* Prevention of HIV-1 infection with early antiretroviral therapy. *N Engl J Med* 2011;**365**:493-505.

Key messages

- Donor support to HIV programmes has stagnated in recent years threatening their sustainability and the ability to achieve the goal of universal treatment access.
- Funding constraints increases the need to focus on improving the efficiency of HIV programmes and to get more value for money from health systems.
- Most efforts to improve efficiency have focused on productive efficiency, but managers should also address allocative, distributional and dynamic efficiency concerns as well.



Efficiency considerations of donor fatigue, universal access to ARTs and health systems

Karen A Grépin

Sex Transm Infect 2012 88: 75-78

doi: 10.1136/sextrans-2011-050148

Updated information and services can be found at:

<http://sti.bmj.com/content/88/2/75.full.html>

These include:

References

This article cites 16 articles, 2 of which can be accessed free at:

<http://sti.bmj.com/content/88/2/75.full.html#ref-list-1>

Email alerting service

Receive free email alerts when new articles cite this article. Sign up in the box at the top right corner of the online article.

Topic Collections

Articles on similar topics can be found in the following collections

[Drugs: infectious diseases](#) (1577 articles)

[HIV / AIDS](#) (1240 articles)

[HIV infections](#) (1240 articles)

[HIV/AIDS](#) (1240 articles)

Notes

To request permissions go to:

<http://group.bmj.com/group/rights-licensing/permissions>

To order reprints go to:

<http://journals.bmj.com/cgi/reprintform>

To subscribe to BMJ go to:

<http://group.bmj.com/subscribe/>