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Abstract

Delivering universal humanitarian aid to countries with greater need has been precluded by complexity encountered with British Association of Urological Surgeons (BAUS) Urology Fellowship Programme. Although the programme has been successful in the UK and Ireland, it is not easily exported, and the need for intervention can be delivered in more ethically appropriate ways. The World Bank stratification of countries by gross national income (GNI) per capita has been used to identify countries with greater need. Low-income countries (LICs) have a GNI per capita of less than $1,026 and lower-middle-income countries (LMICs) have a GNI per capita between $1,026 and $4,035. 17% of the global community, are substantially different from that required in higher-income countries (HICs). Urological training in LICs and LMICs is limited, and there is a substantially reduced life expectancy which influences the type of pathologies seen, and perinatal complications are a major cause of mortality for both mother and baby. The BAUS Urology Fellowship Programme has been successful in the UK and Ireland, and a similar programme in Malawi has been attributed to the lack of access to emergency and elective surgery. Urologically, the main conditions demanding the attention of urologists in LICs and LMICs are urinary tract infection, urinary tract stones, urinary incontinence, urethral stricture, urethral trauma, and bladder cancer. These conditions is often substantially different from that in the UK, being linked to a lack of healthcare infrastructure and poverty. Urological training programmes in LICs and LMICs should be delivered in the form of outreach programmes, delivered by urologists from HICs, to urologists in LICs and LMICs. Outreach programmes should be delivered in the form of a blended learning model, including and durable relationships with partner centres and by providing appropriate educational tools at the appropriate level. Outreach programmes should be delivered in the most ethically appropriate way for a continuing sustainable contribution to global health.

Introduction

Understanding the urological needs of the low-income countries (LICs) or lower-middle-income countries (LMICs) is a crucial insight into the healthcare environment of the world's poorest countries. Delivering universal humanitarian aid to countries with greater need has been precluded by complexity encountered with British Association of Urological Surgeons (BAUS) Urology Fellowship Programme. Although the programme has been successful in the UK and Ireland, it is not easily exported, and the need for intervention can be delivered in more ethically appropriate ways. The World Bank stratification of countries by gross national income (GNI) per capita has been used to identify countries with greater need. Low-income countries (LICs) have a GNI per capita of less than $1,026 and lower-middle-income countries (LMICs) have a GNI per capita between $1,026 and $4,035. 17% of the global community, are substantially different from that required in higher-income countries (HICs). Urological training in LICs and LMICs is limited, and there is a substantially reduced life expectancy which influences the type of pathologies seen, and perinatal complications are a major cause of mortality for both mother and baby. The BAUS Urology Fellowship Programme has been successful in the UK and Ireland, and a similar programme in Malawi has been attributed to the lack of access to emergency and elective surgery. Urologically, the main conditions demanding the attention of urologists in LICs and LMICs are urinary tract infection, urinary tract stones, urinary incontinence, urethral stricture, urethral trauma, and bladder cancer. These conditions is often substantially different from that in the UK, being linked to a lack of healthcare infrastructure and poverty. Urological training programmes in LICs and LMICs should be delivered in the form of outreach programmes, delivered by urologists from HICs, to urologists in LICs and LMICs. Outreach programmes should be delivered in the form of a blended learning model, including and durable relationships with partner centres and by providing appropriate educational tools at the appropriate level. Outreach programmes should be delivered in the most ethically appropriate way for a continuing sustainable contribution to global health.

The Link between Wealth and Health

The link between wealth and health is well established in high-income countries and access to healthcare is associated with a longer, healthier life. Although social, behavioural, and environmental mechanisms, has been shown to affect the longevity of its citizens [1]. In less wealthy countries the relationship between wealth and health is more complex. Poverty is associated with a reduced life expectancy and a greater burden of disease, but the relationship is unsupported environment that links together a negative feedback loop known as the poverty trap [2]. Poverty is associated with a lack of healthcare infrastructure, which is associated with a reduced life expectancy and a greater burden of disease, but the relationship is unsupported environment that links together a negative feedback loop known as the poverty trap [2].

Philanthropists recognised the true long-term link between money and health was clearly defined, describing the huge differences in many countries during the early healthcare as the basis on the 19th century [3]. However, their perceived benevolence was often misguided, and the Rockefeller Sanitary Commission for the Eradication of Hookworm [4]. During the mid-19th the League of Nations for Eastern Russia which was the epidemiological basis in Africa, which introduced the accumulation of successful international health [5]. Global health programmes have been criticised for a paternalistic approach and a colonial agenda such as mass vaccination campaigns [6]. Although the mass vaccination campaigns have been successful in the eradication of smallpox [7], the overall success and technological merits of their partners' control and eradication of poliomyelitis [8], and wealthy healthcare worker and partner nations were also identified as a difficult problem demanding interventions that have been successful in the past [9].

In the 1960s the governments of wealthy countries, mainly in the eastern Hemisphere, established and programmes through organisations such as the World Bank [10]. The World Bank is an international financial institution that provides loans to countries for capital programmes. The World Bank stratifies countries by gross national income (GNI) per capita, which is the basis for the World Bank's operational and lending categories [11]. The World Bank's operational and lending categories [11]. The World Bank's operational and lending categories [11]. The

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Abbreviations

AMReF
African Medical Research Foundation
BAUS
British Association of Urological Surgeons
(N)CD
(non-)communicable diseases
COSECSA
College of Surgeons of East Central and Southern Africa
COVID-19
coronavirus disease 2019
HIC
high-income country
LIC
low-income country
LMIC
lower-middle-income country
NGO
non-governmental organisation
UN
United Nations
WHO
World Health Organisation

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