NEGLECT OF ELDERLY SEXUALITY - A RISK FACTOR FOR HIV AND OTHER SEXUALLY TRANSMITTED INFECTIONS IN KENYA AND BEYOND: A REVIEW

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Abstract
Currently, there is a global trend in increased longevity in Kenya and beyond compared to any other period in history. This has culminated in continued social life including sexual activity with ageing. However, there is little information in the scientific literature concerning HIV and other sexually transmitted infections (STIs) that is specific to those aged 50 years and above. People in this age-group are often excluded from studies as researchers and policy makers focus on young people. Consequently, assumptions are made on the epidemiology as well as sexual behavior of those aged 50 years and above. The exclusion of older people from national programs is on the assumption that older people are sexually inactive, resulting in their omission from major STI policy initiatives despite the physiological changes that occur with age. Thus, policy makers and stakeholders need to address socio-demographic factors that are associated with the prevalence of HIV and STIs in the elderly and to promote further research on this subject in this segment of the population for evidence-based decision making for improved health in the population.

Key words: Elderly, sexuality, HIV, sexually transmitted infections, Kenya
1.0 Introduction
Most people have the potential to remain sexually active later in life, sexual activity often being considered central to overall well-being. For a long time, the 50 years and over segment of the population has been neglected in many developing countries, resulting in mismatched policy in health care planning and implementation (WHO, 2001).

The global report on the elderly population aged 50 years and above projected at over 200 million in 2050 had risen to 606 million in 2002 and is expected to bypass the one billion mark by the year 2050, with the African population expected to double by then! In the history of mankind, the elderly population is expected to outweigh the children’s global population that is projected to decrease from 30% to 21% between 2000 and 2050, elderly trends increasing from 10 %to 21% in same period (UN, 2003b).

1.1 Sexually Transmitted Infections (STIs)
Sexually transmitted infection (STI) also known as sexually transmitted disease (STD), or venereal disease (VD), is an illness that has a significant probability of transmission between humans or animals by means of sexual contact, including vaginal, oral and anal sex (Shafer and Moscicki, 2006). Global data estimates by the World Health Organization (WHO) show that 340 million new cases of curable sexually transmitted diseases (STIs) occur annually in men and women aged 15-49 years, with the over 50 years old population being excluded (WHO, 2001). This is so despite the fact that STIs and their complications rank in the top five disease categories for which adults seek health care, causing significant loss of years of healthy productive life in developing countries (Over and Pirot, 1993). For instance, Herpes Simplex Virus -2, with its asymptomatic presentation and its tendency to increase with an increasing number of life sexual partners, is a potential portal for HIV infection through their lesions, (Clutterbuck, 2004). Syphilis, a curable but important disease caused by a bacterium, Treponemapallidum, has also been found to be positively correlated with ageing. Venereal syphilis is transmitted through a sexual encounter in 50% of the contacts. Clinical manifestations are diagnosed in various distinct stages, including primary, non-reactive or latency and tertiary stages (Clutterbuck, 2004).

1.2 HIV/AIDS and STIs
There is substantial evidence demonstrating that the presence of other STIs increases the likelihood of both transmitting and acquiring HIV (Fleming andWasserheit, 1999; Grosskurth, 1995). Studies have shown that the absence of an STD has a 0.1% risk of HIV transmission, (Nicolosi et al., 1999), and its presence increases HIV risk of spread by between 2-25 fold (Fleming and Wasserheit, 1999). The presence of an untreated STI can enhance both the acquisition and
transmission of HIV 10-fold. Thus, STI treatment is an important HIV prevention strategy in the general population (UNAIDS, 1998).

The extent of HIV impact and its accompanying heterogeneity in a population is explained by trends in behaviors, sexually transmitted infections (STI), lack of male circumcision, poverty, urbanization, wars and the subordinate position of women (Auvert et al., 2005; Buvé et al., 2002; Fleming and Wasserheit, 1999; Schaible and Kaufmann, 2007; UNAIDS, 2002a).

The objective of STI prevention and care is to reduce the prevalence of STIs by interrupting their transmission, reducing the duration of infection and preventing the development of complications in those infected. Primary prevention, which is concerned with the entire community, curbs the acquisition of infection and the attendant illness. It can be promoted through health education that involves practices such as safer sex behavior, use of condoms, and abstinence from sex. Primary prevention messages apply equally to HIV and other STIs, while secondary prevention involves treating infected people. Except for HIV and viral STIs, treatment cures the disease and interrupts the chain of transmission by rendering the patient non-infectious, (UNAIDS, 1998)

2.0 Ageing and sexuality misconception

Most people have the potential to remain sexually active into very late life with sexual activity often considered central to overall well-being, even among the very elderly (Marsiglio and Donnelly, 1991). There is some documented evidence of misconception of HIV infections of other immunodeficiency syndromes in this old age cohort (UN, 2003a). Often, older persons present with multiple age-related conditions masking HIV and STI infections risks. A review of hospital records in some study has documented that people over 50 years or older fall into the same high risk categories as did those in other age group (Scura and Whipple, 1990).

The delay between symptom recognition and presentation for healthcare is a feature of STI related illness behavior. This behavior among individuals with suspected STIs is age specific, with longer latency periods experienced by people over the age of 50 years (De Hertough, 1994; Gott, 1999).

Recent studies have shown that with the availability of ARV drugs, more and more people are living with the virus, posing challenges to the long term effect on unchecked sexual behavior practices. Many of the earlier infected persons are still sexually active. They include many Injection Drug Users who continue to survive, posing a great risk to future generation, (Kalichman, 2000).

Risky sexual behavior practices including unprotected sex are manifest in 33% of the HIV infected posing an untold risk of STI and HIV co-infections, (Kalichman,
This attributed to the fact that PLWHAs (People Living With HIV and Aids) rely on the ART 'treatment optimism' phenomenon (Hardon, 2005). In UK, widespread use of ART did not reduce HIV incidences (Murphy et al., 2004).

### 3.0 Cross-generational Sex and Elderly

Since over 30 years ago when HIV was reported and the advent of ARVs, cross-generational sex, (for money or gifts), between young women and old men, in the prevailing global economic crisis especially in poor resource constrained countries, has become rampant (UNICEF et al., 2002). This is also the case with old and young men, (Barker, et al, 1992; Calvès et al., 1996). Coupled with the fact that young women are more concerned about being associated with relationships with older men than the use of condoms, risks for STIs and HIV are enhanced (Silberschmidt and Rasch, 2001).

Orlando et al., (2006) in his article on the elderly indicated that complications in management of HIV/AIDS is as a result of their inherent physiological changes due to ageing- increased risk of infection, reduced immuno-competence and the appearance of several age related co-morbid conditions. This is likely to render the older age vulnerable to faster progression of HIV infection and reduced lifespan after diagnosis with AIDS (Adler, et al.; 1997; Operskalski, 1995; Perez and Moore, 2003; Phillips et al., 1991; Skiestet al., 1996; Sutin et al., 1993). This has been established by a research carried out in Italy alluding to a higher rate of HIV transmission through heterosexual contacts (52.8%) in older patients compared with younger controls (20%) (Suligoi, et al., 2005)

### 4.0 HIV Disclosure

There is documented evidence of a strong linkage between sexually transmitted diseases (STDs) and sexual transmission of HIV infection. Presence of an untreated STD can enhance both the acquisition and transmission of HIV by a factor of up to 10 (UNAIDS, 1998). Disclosure of status of HIV in itself is known to potentially improve well-being, provide informed choice, and protect life of PLWHAs (Sullivan, 2005). It ensures protection to others, reaffirmation of self, increased social support, desire to educate others, seeking help, desire to test someone’s reaction, being in a close or supportive relationship, and a mechanism for dealing with the disease (Derlega et al., 2002; Holt et al., 1998; Parsons, et al., 2004; Serovich and Mosack, 2003; Wolitski, et al., 2003).

In general, there has been ample literature pertaining to individual disclosure of HIV infection to others. However, studies continue to show that seropositive men and women are more likely to inform intimate lovers, spouses and close friends than to tell casual sexual partners, immediate family members or co-workers. For instance, gay and bisexual individuals tend to reveal their HIV status to fellow gay or bisexual partners than to heterosexuals and co-workers or when their physical
health deteriorates (Chervenak and Weirs, 1989; Hays et al., 1993; Marks et al., 1992 and Mason et al., 1995).

Many studies carried out concur with a Reasoned Action Perspective (Fishbein and Ajzen, 1975) which indicates that a person’s perception of the social, psychological and material consequences influences decisions of whether one would disclose his/her status to others, (Mason et al., 1995). This can have a ripple effect through the individual’s social network irrespective of the risk activity associated with infection as well as the potential to create stress for all family members (Miller et al., 1994).

Some individuals fail to disclose their HIV status, due to fear of stigmatization, rejection by sexual partners, need for privacy, threats to loss of income and personal wellbeing, substance use or difficulty in communicating, HIV denial, perception of low viral load, type of sex, location of sexual encounter, legal reprisal (fear of arrest) and condom use, resulting these in non-disclosure, (Carr and Gramling, 2004; Derlega et al.; Garbachet al., 2004; Parsons et al., 2004 and Serovich and Mosack, 2003).

5.0 Condom Use Perception
Apart from abstinence, use of condoms is an effective way to prevent unwanted pregnancy, a matter that is of no concern to old people (Gollub, 2000), despite the fact that there is ample knowledge about the use of condoms (Gardner, et al., 1999; NMHSS, 1995). While condoms were once inaccessible to most people especially in developing countries a decade ago, they are now readily available and at affordable prices in most countries (Meekers et al., 2001).

Although it is acknowledged that STIs predominantly affect younger age groups, it has been demonstrated that older people’s behavior may also put them at risk of acquiring STIs. Indeed, it may be argued that older people are more susceptible as they are less likely to use condoms than younger people. There is a need to extend the age range of national surveys so that the sexual health needs of older people can be included (Murphree and DeHaven, 1995). It is also recognized that introduction of drugs to counter erectile dysfunction has altered the quality of life and sexual experience of older individuals. These drugs have the potential to increase sexual activity in older people and this, combined with the infrequent use of condoms, may contribute to increased risk of STIs (Potts et al., 2004).

Studies have shown that changes in social and behavioral patterns may also have contributed to the increase in STIs seen among older people who are increasingly likely to be single or undergoing relationship changes (for example, divorce, separation or widowed) and are at increased risk of STIs considering that they are less likely to consistently use condoms (Jaleel, et al., 1999). It is recognized that
young people have multiple and at times concurrent sexual partners and that these include older people (Ford et al., 2002). Current evidence indicates that the greater the difference in age between sexual partners, the more likely it is that risky sexual behavior will occur as condoms are less likely to be used during sexual encounters (Darroch et al., 1999).

Condom use by most people is intertwined in social, cultural and context issues especially among old people (Hart et al., 1999). Witte et al., (2003) has shown that embarrassment, judgmental attitudes of condom providers, and lack of confidentiality is reason to low condom use even among the educated elites in Africa. In Uganda, major concerns over their use have been in their safety, reduced sexual pleasure and partner dominant control of their use (Pool et al., 2000; Hart et al., 1999). The same phenomenon has been noted with studies in Namibia by Fox (2002) and LeBeau et al., (1999) showing that an improper and inconsistent use of condom is attributed to the dominant male decision makers. Research shows that males only use condoms with casual and unknown sexual partners and not with regular partners or wives. In a study carried out by Pempelani, (2005), condom use in marriage is not common as it implies unfaithfulness in marriage. Increasing divorce rates among older people (Marriage and Divorce Statistics, 1996) and changing attitudes to sexual, may increase the risk of HIV and STI infection in this population, (Marshall, 1997; Pointon, 1997). Since sexual activity among older people is unlikely to result in pregnancy, condoms and spermicides, of vital importance in the prevention of HIV infection, are unlikely to be used. Even if older people consider using condoms, they may be too embarrassed to purchase them (Marshall, 1997). With increasing use of effective therapies for sexual dysfunction, and in particular successful medical treatment of erectile dysfunction, some genitourinary physicians fear a further increased risk of sexually transmitted diseases in the older generation. In addition, older women may be at greater risk of acquiring HIV infection by sexual transmission than younger women as the lining of the vagina becomes atrophied after the set in of menopause. Safe-sex advice needs to be incorporated into health education literature for older people (Marr, 1994). In the USA, there has been recent concern over the numbers of older intravenous drug-users at risk of AIDS (Scura and Whipple, 1990; McCormick and Wood, 1992).

6.0 HIV/AIDS –STI and Socio-economic implications

In developing countries, poverty, unemployment and lower educational levels as well as lack of socio-economic resources are consistently linked to poor health (Adler et al., 1994, Link and Phelan, 1996). Comparable to men, women live in poverty with low social status and jobs paying salaries averaging 30–40% less than their counterpart (US Bureau of the Census 1997 and Thomas, 1997). Limited resources often result in increased exposure to risks, and are associated with greater morbidity that is assessed by caregivers in terms of depression and
physical health status (Bergman-Evans, 1994; Leblanc et al., 1997; Lieberman and Fisher, 1995; McNaughton et al., 1995; Meshefedjian et al., 1998; Pakenham et al., 1995; Russo et al., 1995). Studies of AIDS and ARD (Age-Related Dementias) have shown that lower income, education and fewer support services are associated with greater care giving demands and burden on the caregiver (Cefalu et al., 1996; Cox, 1995; Turner and Catania, 1997; Wight et al., 1995). In turn, care-related demands are associated with poor physical health and/or depression in the caregivers (Cefalu et al., 1996, Leblanc et al., 1997, Meshefedjian et al., 1998). There is a wide belief that social factors as well as "behaviors" or "lifestyles" contribute to increased risk of HIV and STI infection, (Oppenheimer, 1992; WHO, 2007 and Oppenheimer, 1998).

7.0 Conclusion
With little information in the scientific literature concerning STIs that is specific to those aged 50 years and above, there is little evidence in the public domain on sexuality issues pertaining to this age group. Often, they are excluded from studies as researchers and policy makers focus more on the younger population, (UNAIDS, 1998). Despite some knowledge on cultural relevance of health interventions in various cohorts (UNAIDS, 2008), not enough work has been done on inherent socio-demographic factors associated with the prevalence of HIV and STIs in this age group. Equally, there is a gap in evidence regarding correlation between HIV and AIDS and other STIs in the elderly. This is the case despite recognition that health promotion activities, including STI and HIV and AIDS care is the cornerstone of healthy ageing (UN, 2003a). While much in health promotion has been done amongst the youth in terms of HIV and safe sexual practices, failure to target the elderly poses a great risk through inter-generational relationships in the population, (UNAIDS/WHO, 2009). In view of the foregoing, there is need to mainstream issues of the elderly in HIV and STI research in Kenya and beyond. Findings of such studies will inform current HIV and AIDS and STI status in the elderly and also impact policy on possible evidence-based interventions targeting the elderly, especially in poor-resource countries hard hit by HIV and AIDS and STI, (Coates 1990; Darbyshire, 2000; Gott 1999a; Wellings et al., 1994).
References


