Support Group Processes

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Support group processes: Perspectives from HIV-infected women in South Africa

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Abstract

This study examined the experiences and perceived benefits of HIV-infected women in South Africa participating in supports groups. From a qualitative analysis of responses, key processes through which support groups are potentially beneficial were identified. The support group processes included: identification; modeling; acceptance; and empowerment. The participants' consequent life changes were explored in order to associate these processes with the positive outcomes of support group participation. Through understanding the relationship between the support group processes and the potential benefits, and by targeting these processes in the development and implementation of future support group interventions, a framework is provided for achieving positive outcomes associated with support group participation.

Keywords: support group interventions, HIV and AIDS, group processes, experiences, African women

On International Women's Day, March 8, 2004, the secretary-general of the United Nations at the time, Kofi Annan, expressed his concern on how women are increasingly bearing the brunt of the HIV epidemic (Gross, 2004). This is clearly illustrated in South Africa, where women account for an estimated 59% of adults living with HIV (UNAIDS, 2008), and where 29.1% of all pregnant women are infected with the virus (Department of Health South Africa, 2007). Psychosocial support is a significant and unmet need among women living with HIV (Moultrie & Kleintjes, 2006). While previous research has confirmed a wide range of positive outcomes associated with psychosocial interventions (Angelino, 2002; El-Sadr, 2001; Kalichman et al., 1996; Summer et al., 2000), there is a need to develop a better understanding of the processes involved during such interventions, so as to guide and inform their development and implementation in the future. With the continual improvement of prevention of mother-to-child transmission (PMTCT) programs (World Health Organisation, 2004), women in developing countries are increasingly discovering their HIV status during pregnancy (Dabis et al., 2000), making pregnancy a logical entry point for psychosocial intervention.

Feelings of sadness, worry, despair and confusion are among the assorted reactions to HIV that women often experience, and these emotions are often compounded by several other affective, cognitive and behavioral responses (Kalichman, 1995). Factors such as stigmatization, diminished social support, depression and anxiety, along with stressors such as poverty and violence, all interact to present a complex picture for people living with HIV and AIDS (Mdlalose, 2006; Serovich, Kimberly, Mosack, & Lewis, 2001; Skinner & Mfecane, 2004;

Tshabalala, 2009). For women living with HIV in many countries around the world, the added burden of culturally defined roles amplifies their predicament. Women in Africa, especially, continue to experience a culture of inequality, despite the work that is being done to reverse this trend. These women are expected to be responsible for childcare, housekeeping and the health of their families (Bennett, 1990), and often their own needs are neglected, not only by their families, but also by themselves (Broun, 1999). With the continuing improvement and availability of HIV treatment, people infected with the virus are now living longer (Treisman & Kaplin, 2002), and an HIV-positive diagnosis is no longer the death sentence it was previously perceived to be (Gosling, 2008). HIV-positive women, particularly in Africa, however, continue to face the prospect of a chronic, potentially debilitating disease, and early death, despite the advances in treatment, because only a small number already receive antiretroviral treatment (ART). In addition, they face the challenge of coping with the emotional implications of living with the virus, often without adequate support.

Despite the seemingly obvious need for psychosocial support, the work and research done in attempts to stem the tide of the epidemic in Africa have largely been focused on prevention and medical treatment, and there has been less emphasis on the development of much needed care and support interventions (Amon, 2002), and the provision of psychosocial support for those infected (Skinner & Mfecane, 2004). The research conducted internationally in this regard, however, has regularly pointed towards the implementation of support groups as an effective intervention strategy. In fact, support groups have become the most common social intervention strategy used to deal with the variety of emotional consequences of HIV and AIDS over the past two decades (Beckett & Rutan, 1990; Fawzy, Namir, & Wolcott, 1989; Kalichman, Sikkema, &

Somlai, 1996; Martin, Riopelle, Steckart, Geshke, & Lin, 2001; Nokes, Chew, & Altman, 2003; Spector & Conklin, 1987; Wallach, 2007).

There has been ample research confirming the positive effects of support groups for HIV-infected individuals, such as increasing long-term coping skills (Hedge & Glover, 1990), decreasing emotional stress (Kalichman et al., 1996), improving quality of life (Nunes, Raymond, Nickolas, Leuner, & Webster, 1995), and reducing sexual risk behaviors (Martin et al., 2001). From a qualitative perspective, research conducted by Kalichman et al. (1996), in the United States, found that participants in support groups felt that the most common benefits of attending a support group include: relief from being alone; being able to share feelings; being able to obtain information on treatments and approaches to care; and being able to have questions answered. It has also been shown that people attending support groups are more likely to disclose their HIV status than those who do not attend support groups (Kalichman et al., 1996). Support groups provide HIV-positive people with a safe environment to talk about HIV, share their experiences and listen to the stories of others who are in a similar position (Summers et al., 2000). They are able to learn from each other's experiences and provide one another with the support they lack from family and friends within their community.

In South Africa, informal support groups are developing as a popular support structure for HIV-infected women, due to the lack of professional help and psychosocial interventions to assist the large number of women diagnosed HIV positive. An exhaustive literature search suggests, however, that there has been no research attempting to investigate HIV-infected women's experiences and perceived benefits of participating in support groups, or the processes that might contribute to positive outcomes. Understanding processes in support groups that

contribute to the desired outcomes can contribute to improving the effectiveness of these groups in the future.

Study Purpose

This study was conducted to complement research undertaken in which the impact of a support group intervention for HIV-infected pregnant women was quantitatively assessed (Mundell, 2006). While that research demonstrated some of the psychosocial benefits of support group interventions, the purpose of this study is to examine the processes through which support groups are potentially beneficial. According to Needleman and Needleman (1996), "many important intervention research questions cannot be answered satisfactorily by measuring and counting, no matter how precise and intricate the data collection and analysis" (p. 329). In addition, the impact of an intervention is essentially a matter of individual perception (Jennings, 1991), and therefore positive and meaningful change from a participant's perspective may not be apparent in statistical analysis (Sandelowski, 1996), but may contribute substantially to an understanding of the processes and benefits of the intervention. A study using qualitative research methods to enhance understanding of the experiences and perceived benefits of South African women participating in HIV supports groups, and the related support group processes, could potentially contribute to the improved development and implementation of future interventions.

Method

Participant recruitment

HIV-infected pregnant women attending antenatal care at four clinics in Tshwane, South Africa, were recruited into the research by voluntary counseling and testing (VCT) counselors in the clinics. The clinics are situated in two townships, Atteridgeville and Mamelodi, and provide services to a mainly Black, very low to middle socio-economic class urban population. The estimated prevalence of HIV in childbearing women in these communities is 33.8% (Kalafong Hospital, 2006). The counselors informed the women about the project, and those who were interested in participating voluntarily were then invited to join the support group intervention. Informed consent was obtained prior to support group participation. Institutional review board approval for the study was obtained from the Faculty of Health Sciences Research Ethics Committee, University of Pretoria, South Africa and the Human Investigation Committee of Yale University School of Medicine, USA.

Support group intervention

Women who agreed to join the support group attended a 10-session program during their pregnancy. The program was designed to address the needs of the women and was developed using an action research approach (Visser et al., 2005). Through conducting interviews with 317 HIV-positive pregnant women as part of the Serithi Project¹, a better understanding was gained on the most important needs of these women. Sessions were then outlined and implemented in two pilot groups, whereafter the feedback from the group facilitators and female participants was used to refine the content of the program. During the development of the intervention, a

¹ The Serithi Project (NIH R24HD43558) aimed at developing an understanding of the experiences of women who tested HIV-positive at antenatal clinics in townships in Tshwane, South Africa.

facilitator manual was compiled, and this provides detailed descriptions of each session, consisting of a session outline, explanations of exercises, conversation points that should be covered during each session, and background information on each session for the facilitator. Sessions are semi-structured so as to encourage group participation and experiential learning through games, role-plays, exercises, story telling, case studies and the sharing of experiences, feelings and ideas. The focus of each of the ten sessions is displayed in Table 1. Over a period of 18 months, 15 support groups were implemented, involving 144 HIV-infected women.

Table 1. Support group intervention outline

	Topic
Session 1	Introduction and Orientation
Session 2	HIV and access to Treatment
Session 3	HIV, Pregnancy and Birth
Session 4	The Emotional Experience of having HIV
Session 5	The Emotional Experience of having HIV (continued)
Session 6	HIV, Disclosure and Stigma
Session 7	Coping, Problem Solving, and Stress Management
Session 8	HIV and Relationships
Session 9	HIV in the household, Human Rights and Stigma
Session 10	Life Planning and Goal Setting

Training and Supervision of Facilitators

The groups were facilitated by six Masters level psychology students from the University of Pretoria, with the assistance of four HIV-positive women (two from each community), who were trained as co-facilitators. The co-facilitator acted as translator in the group when the women could not understand or wanted to express themselves in their vernacular (mostly Sepedi). The co-facilitator also provided a 'role-model' figure for the group members. All facilitators took part in a training workshop, dealing with HIV and AIDS knowledge, counseling and group facilitation skills, how to implement the sessions, the ethics involved in working with HIV-positive women in a group setting, and practiced in role-play group sessions. During the implementation of the program, the facilitators were supervised by the project leaders.

Debriefing sessions were held after each support group session, for reporting on and dealing with issues from the session and discussing the following weeks' session material.

Qualitative data collection

Following the completion of the intervention and approximately three months after the birth of their infants, participants took part in a structured individual interview. Additional to quantitative data collected, described by Mundell (2006), open questions were posed regarding women's expectations prior to and experiences during the group interventions; and how their lives had changed since joining the support groups. Research assistants conducted the interviews in the women's vernacular and tape-recorded the interviews with the participants' consent. A second interview was then conducted approximately nine months after the birth of the baby. In this follow-up interview, the women were questioned on their well-being since their participation in the intervention, and on how their lives had changed. Interviews were conducted at three and

nine-months post-partum because these were the times women had follow-up appointments at the clinics for the immunization of their babies.

Data Analysis

Interview transcripts from the three and nine-month follow-up interviews were translated into English and entered electronically. The data were then imported into QRS N6 qualitative data analysis software, for coding and thematic analysis (Braun & Clarke, 2006). The method of analysis was based on grounded theory (Glaser & Strauss, 1980), in which theory is developed from data through the systematic exploration and discovery of themes, categories and interrelationships. Selective coding (Glaser & Strauss, 1980) was used, with support group processes being the pre-determined core category. The data were initially sorted into a coding schema, and then inductively analyzed to identify themes and sub-themes, with the primary aim of identifying the processes involved in support group participation. Data was analyzed independently by two of the researchers who discussed their findings and resolved difference in interpretation through consensus.

Forsyth (2007) defines group processes as the phenomenon that occurs when two or more individuals interact and influence each other, leading to the development of dynamic processes (more generally know as group dynamics). In the attempt to identify these processes, it was important to examine the participants' expectations prior to their involvement in the intervention, which were likely to have an effect on an individual's experience of the intervention. The support group processes were then identified through a thorough inductive analysis of the participants' experiences of the intervention, their perceived benefits, and their experience of interacting with other HIV-infected women. These processes were subsequently linked to the

outcomes of the intervention by examining the women's responses on *how their lives had* changed after their participation, specifically at nine-month follow-up.

Results

Participants

A total of 144 pregnant HIV-infected women took part in the support group intervention. The mean age of the group was 27.13 years, ranging from 16 to 39 years. All of the women were black, mostly Sepedi (41%) and Zulu (19.4%) speakers, coming from low socio-economic status. The women's average per capita income was ZAR 326 per month (approximately US\$ 32), with the majority of participants (77.1%) being unemployed. The majority of women (75%) had secondary school education, while 13% had some training after school, while 12% had no or only primary school education. Only 23 (16%) of the participants were married, and 19 (13.2%) were without partners. The remaining 102 (70.9%) women were single, with a partner.

The majority of the women (n=119, 82.9%) had tested HIV-positive for the first time during the current pregnancy and knew their HIV-status for an average of four weeks before they joined the groups. Seventy-one percent of the women had disclosed their HIV-status to least one person, mostly their partners or their mothers, when they joined the support groups. Of the 144 women that took part in the intervention, 125 (87%) returned for the interview at 3-months post-delivery and 115 (80%) returned at 9-months post-delivery.

Expectations prior to their involvement

During the 3-month post-delivery interview, participants were asked to recount what their expectations had been, prior to them joining the support group. The participants' responses were categorized into four sub-themes.

- The most common theme was the women's expectation for <u>support</u>, and a stigma-free environment where they could feel free to share their experiences, talk about their problems and escape stigmatization from the community. One participant, for example, responded that she expected "to receive support from some people who are HIV-positive and [they] are not going to mock each other."
- Another frequently identified theme was the expectation of receiving <u>advice</u> related to disclosure, living positively, and learning about coping with HIV infection. Others anticipated being able to "advise each other and share [their] problems and find solutions to these problems for one another," showing a good understanding of the mutually supportive environment that exists within a support group.
- Although less frequent than the previous two themes, another common response given was related to the expectation of new HIV-related <u>knowledge</u>.
- A few participants had <u>negative expectations</u>, such as anxiety around the possibility of meeting people they knew, reinforcing their fear of stigmatization, and meeting ill people, reinforcing their negative image of HIV and AIDS. There was also some concern "about the kinds of questions [they] will be asked."
- Other less frequent expectations included them: giving health talks to people around the community; publicly disclosing; making house-visits or helping sick people in the hospital, receiving food and monetary donations; and taking part in counseling sessions.

Support group processes

From the analysis of the participants' experiences in the intervention, four integral group processes, central to the overall impact, were identified.

- The first of these was *identification*, which took place through interaction with others "in the same situation"; sharing of ideas and the experience of companionship and support.

 The women experienced this process through the realization that they were not alone and that others have similar experiences. One woman commented, for example: "I made friends and seeing those women I realized that I was not the only one, it gave me courage and confidence to live my life." Another woman said "the support group helped me to open-up freely about my personal problems" which helped the women to regain their self-esteem and a sense of mental well-being, described by a woman as follows: "it brought happiness to my life."
- The second process identified was *modeling*. Participants were able to view the other women in the group as role models. They were, for example, positively influenced by the strengths and behavior of the women who had been living with HIV for a longer period than themselves: "I observed how the other women in the group talked so openly and freely, and I then also decided to try and be like them." In addition, participants gained perspective through their interaction with the other women, realizing that there are others who have much bigger problems than themselves. One woman commented: "I learned that I should be strong as there is someone else who is stronger, and is facing bigger problems than me."
- Another important process at work is the movement towards <u>acceptance</u>. Participants mentioned that they felt accepted in the group and that helped them to explore fundamental issues such as their HIV status. The group interaction helped women to accept their HIV status, which is a mental process that is critical to all people living with HIV. Acceptance of their status helped some women to disclose their status and to

appreciate life more: "My mind has been renewed, and I now feel like I have a new life." Acceptance of status is important in the attainment of a sense of empowerment, which is the final process that was identified.

Empowerment was mentioned by a large number of participants as the most important gain from their involvement in the intervention. The women, for example, stated that they had benefited by giving other women advice, which had made them feel more empowered. The knowledge that they had gained during their participation was also an important part of this empowering process. The knowledge not only gave them a better sense of insight into their situation, but also empowered them to make positive changes in their lives, such as changes related to their sexual behavior and nutritional habits. One of the participants stated that before her involvement, she "did not like to use condoms but through the support group [she] realized that [she] need[s] to use a condom so [she] can live longer." Participants described how they had become empowered through lessons they had learnt and skills acquired. Many of the women felt the group prepared them for disclosing their status. They also learnt how to deal with stress and the "importance of talking to somebody when [they are] stressed." Finally, they also had become empowered to take control of their lives, and make positive changes to their living situations.

How their lives have changed

The participants' responses at the 9-month follow-up revealed valuable information on how their lives had been directly impacted by their involvement in the support groups. Five areas of change were identified. The first area of change (mental well-being) confirms the strong relationship that exists between the above four group processes and group intervention outcomes.

with a number of clear connections identified. The remaining four areas of change, while still very much linked to the group processes, demonstrate the far-reaching and ongoing benefits of support group participation:

- Participants reported a number of changes related to their *mental well-being*, which were very closely linked to the identified group processes. A large number of the women commented on how they were far less stressed, since their participation in the groups, and that they no longer "constantly worry about having the virus." One participant commented: "I was depressed when I joined the group but I am now stress-free." The participants also felt empowered after their involvement, and felt that their "mind has been renewed," feeling like they "have a new life". Another commented: "I know now how to stand on my own." The support group gave the women hope for life. According to one of the participants, "a lot has changed because initially after I received my status I felt alone, but the support group showed me that I'm not alone." The women's lives had also changed, due to the fact that they were able to accept their HIV status. "I learned to focus on other things in my life, and accept the fact that I am living with HIV," was one participant's response.
- Women reported *lifestyle changes*, such as changes in eating habits and sexual behavior.

 For example, the participants "learned not to be promiscuous, and this placed [them] in a better position of living standards." Following the groups, the participants understood the importance of condom use and communication about safe sex, with one woman stating, that "if [her] partner does not want to use condoms, then it would be better that [they] discontinue the relationship."

- Many women reported to have the courage to <u>disclose</u> their status to their partners, their family, and to friends, community or church members. They reported that following their involvement in the groups, they felt free to talk about their status.
- Changes in *interpersonal relationships* were also reported, with participants commenting that they are now able to socialize with other people, build new friendships and had learned to share their problems with other people. One participant stated: "My life has changed because I made new friends from the group and I now have a new lease on life, after realizing that being infected is not the end of the world." Participants also felt empowered to help other people, such as becoming involved in HIV volunteer work.
- The participants also noted how their involvement in the support groups had led to a change in their *parenting*, such as better feeding choices and taking care of their baby's health. They were also conscious of their relationship with the child, and "not to take out [their] anger on [their] own children."

Discussion

This research aimed to not only examine the impact of a support group intervention from a qualitative perspective, but more importantly to examine the processes that contribute to positive outcomes in such interventions. The support group processes identified in this study made a significant impact on the women's experiences of their participation, and were essential to the outcomes of the intervention. These processes worked both independently and simultaneously in the participants' journey towards successful adjustment to HIV infection, but were not entirely expected by the participants. While all of the women's expectations were addressed during the groups (support, advice and knowledge), it did not appear that the women had foreseen the extent to which they would experience the identified support group processes.

The participants were questioned on their prior expectations *following* their involvement, and their responses, therefore, may have been influenced by their participation. It would seem though, that their expectations were far more passive, primarily focused on receiving information and support, than what was actually experienced during the intervention. When reporting on their experiences, the women frequently identified the role that the other women played, their own responses, and the interactive process in general as contributing to change, in contrast to their more passive expectations. The changes described by the participants also demonstrate a broad and lasting impact of the group intervention. Many of the women continued to provide examples of the changes that were initiated through the identified group processes, during the follow-up interview at nine months post-partum. In addition, the women also displayed a number of other important changes that speak to their improved abilities to cope with their HIV infection.

While some of the changes can be directly linked to the support group processes, such as the improvement of their mental well-being (an expected outcome following processes of acceptance and empowerment), other changes were less obvious, but still very much dependent on the four identified group processes. It is also important to note that some of the identified changes were specific to the group targeted, for example, change in lifestyle and parenting skills. The identified processes that contributed to such changes, however, are essential in most group interventions. Although the support group processes work independently during the participant's involvement, and often long after, it is important that the interaction between them is understood, as it is these interactions that ultimately contribute to the positive intervention outcomes.

Through interaction with other infected individuals, women could identify with people in a similar situation and felt less isolated (Roth & Nelson, 1997). Many participants entered the groups with a variety of needs, feeling isolated and apprehensive, with expectations primarily

related to receiving support and advice. From the commencement of their involvement, the participants begin to realize that these expectations can potentially be met, experiencing a supportive and encouraging environment, and seeing that they are not the only ones living with these particular difficulties. This is described as the experience of universality (Yalom, 1995), which brings feelings of hope and the relief of knowing that one is not alone.

Commonality and the development of a sense of universality are central aims of group therapy (Corey, 2000). Identifying with others can be understood as the spark that ignites the participant's forward movement, positively influencing and in fact instigating the other key processes and potential outcomes. Participants steadily begin to build a sense of trust within the group, seeing the other participants as a reliable source of support and encouragement.

Women are also encouraged by the interaction with members of the group who seem to be coping well with their situation, and begin to view these members as role models. Modeling has been identified as the second support group process. While Yalom (1995) has described imitation of the facilitator's behavior as a key factor in group therapy, this study suggests that the participants more often model the behavior of one another. While the HIV-infected cofacilitators played an important role in setting a positive example for the participants, the women more regularly made mention of how they had viewed each other as role-models, and were able to learn from each other, and model themselves on the successful behaviors and attitudes of other participants. In an attempt to meet their own expectations, and adapt to their HIV infection, participants model themselves on their fellow group members, which in turn provides a positive example for others in the group.

These first two processes (identification and modeling) are linked by the concept of interaction with "similar others" (Roth & Nelson, 1997), which can contribute to a sense of

connectedness, eradicating feelings of isolation, providing encouragement and often different perspectives on their situation. Participants now begin to develop a sense of hope and have courage and optimism for what is still to come. This instillation of hope is also described by Yalom (1995) as central to group therapy. Participants realize that their life is not over, and they still have much to look forward to. Other research has also highlighted the relationship between support group participation and increased feelings of hope (Hays, Chauncey, & Tobey, 1990), and decreased feelings of isolation (Moneyham et al., 1998).

Connectedness to the group and feelings of hope assist the group members in feeling better about themselves and accepted in the group (Corey, 2000). As trust and openness develop, group members start to explore fundamental issues, which Yalom (1995) terms "existential factors." This exploration can assist members with the acceptance of difficult realities, such as HIV infection. Acceptance of one's HIV status is one of the major challenges of HIV and AIDS (Ncama, 2007), and is critical for an infected individual to effectively cope with the diagnosis. Some studies have argued whether acceptance is a positive or negative coping reaction. Nakamurra (2005), for example, distinguishes between active acceptance and resigning acceptance, stating that while resigning acceptance may be a negative coping strategy, active acceptance is an adaptive reaction to an unchangeable situation, which can contribute to a number of positive psychological outcomes. Participants regularly mentioned how the support group had assisted them with coming to terms with their HIV status - active acceptance, rather than a resigning acceptance. This process of acceptance is, however, dependent on the two previous group processes, and at the same time has a positive reciprocal effect on the continuation of those processes towards empowering the participants to take control of their situation.

Broun (1999) states, "the greatest challenge, yet the one that reaps the most benefit, is empowering women to become activists for their own health care" (p123). Participants' responses on how their lives had changed since their involvement in the support group portray how the participants had become empowered, feeling stronger, taking charge of their own health and lifestyle, feeling comfortable to disclose, and being motivated to help and educate others. In addition, women gained knowledge, which also had been empowering, consistent with what Yalom (1995) describes as the imparting of information. According to Beckett and Rutan (1990), support groups can provide individuals who spend much of their time preparing for death, with the empowerment and motivation to work together in trying to learn how to live.

Some of the most important goals of group therapy are to increase self-direction, autonomy and responsibility toward oneself and others (Corey, 2000). The participants were encouraged not only to empower themselves, but also to empower each other. Past research has shown that people living with HIV and AIDS are excellent resources in helping others to cope with the disease (Haney, 1988). Yalom (1995) notes that this sense of "altruism" is a powerful therapeutic tool that can greatly enhance a member's self-esteem and feeling of self-worth. This interaction between empowering oneself and others, and positively influencing ones own mental well-being, again portrays the interdependent nature of these processes. It has also been found that group members will often more readily accept observations or advice from fellow group members, than from a group therapist or facilitator (Yalom, 1995). For an HIV-positive woman, who has been flooded with feelings of helplessness and hopelessness, being given the opportunity to help other women in similar situations through sharing experiences, or giving advice, can often be what is needed to restore a sense of significance and empower her to take control of her own situation.

The qualitative nature of this research made the identification of processes and experienced outcomes of the intervention possible. It is also the qualitative nature of the study that contributes to possible bias in interpretation, because of the researchers' direct involvement in the group processes as facilitators and observers. Though, using two researchers who interpreted the data independently, could contribute to the trustworthiness of the results (De Vos, Strydom, Fouché & Delport, 2002).

Conclusion

In this study, the experiences and consequent life changes of women participating in HIV support groups were explored, with the intention of shedding light on the processes through which support groups are potentially beneficial. The support group processes that were identified (identification, modeling, acceptance and empowerment) guide the participant, simultaneously and interdependently, on a journey towards a variety of positive outcomes. It is apparent from the participant's responses that they perceived their involvement in the intervention as beneficial on a number of levels. Changes in the participant's lives following their participation, such as improved mental well-being, positive lifestyle changes, and being more comfortable talking about HIV, are associated with the support group processes identified in this study. There is a notable similarity between the processes identified as part of support groups and some of those identified in group psychotherapy (Corey, 2000; Yalom, 1995). It is essential for future interventions to incorporate activities that could facilitate these four processes to maximize the positive outcomes of support groups.

Interventions should encourage participant interaction, as it is from such interaction that these support group processes stem. The results of this study also demonstrate how targeted

interventions, developed to meet the specific needs of a group, can encourage the processes that were identified. If the needs of the group members were not addressed, these group processes may not have been instigated. Interventions should also be designed to be flexible, as all groups, regardless of demographic, dynamic and focus, will differ. In addition, one of the main aims of supportive interventions is to give participants hope, and empower them to take control of their lives and their future. The focus in such groups should therefore not be limited to the past and the present, but should also be looking towards a hopeful future.

Identification, modeling, acceptance and empowerment have been identified as critical processes to the success of support group interventions, specifically in the case of HIV support groups. While the results of this study may be limited to HIV support groups, it is believed that the identified group processes are an important factor in most group intervention settings. Further research is required to assess whether these four group processes are in fact key to group interventions outside of the field of HIV support groups, however. In addition, future research is also necessary to determine whether the impact of support interventions can be improved by utilizing the knowledge of these processes in their development and implementation. As has been mentioned, if interventions of this kind are developed to specifically target the needs of the group, and to encourage the instigation of these four group processes, the positive outcomes of group intervention may be more effectively attained.

Due to the wide array of psychosocial needs of HIV infected women (Moultrie & Kleintjes, 2006), it is imperative that support interventions are developed and implemented to enhance their adjustment. The processes identified here have been shown to ultimately facilitate positive change. Through understanding the relationship between these processes and the potential benefits, and by targeting these processes in the development and implementation of support

group interventions, it becomes possible to achieve a variety of positive outcomes associated with support group participation, and in the case of an HIV and AIDS intervention, assist in the successful adjustment to HIV infection.

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