NINETEEN

Appropriateness of Disclosure of HIV Testing Information: The Perspective of PLWAs

INTRODUCTION

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Disclosure is an important area of communication research because it affects relationships and relationship development. In any relationship, people must weigh choices about what to tell and to whom, but also when and where to tell. Individuals can share the information (disclose, often seen as verbal statements about the self) or choose to remain

closed (maintain privacy), and this process can affect the relationship. There are many reasons to disclose or retain privacy, each with consequences for both the individual and the relationship. For example, the person receiving the information could be shocked or not respond well, or the relationship could evolve to a new level based on trust demonstrated by

sharing difficult information. The theory of privacy presented in this chapter, communication privacy management (Petronio, 1991), describes one view of this disclosure and privacy management process.

ness"). There are many more reasons why peotheir privacy (e.g., "it's none of their busitermination), to avoid gossip, or to protect quences (e.g., violence or relationship choices to disclose this information (or not). of the most stigmatized diseases in history. vate or not disclose to avoid negative consepeople with HIV may choose to remain pripartner to use safer sex). On the other hand, tect the other (e.g., to encourage a sexual port, to find another to talk with, or to pro-They may, for example, disclose to gain supthat causes AIDS) must balance carefully their HIV diagnosis. People with HIV (the virus (see Goffman) affects choices to disclose an This notion of stigma and spoiled identity Despite new medical advances, AIDS is one to explore this disclosure process: HIV/AIDS. This chapter illustrates one particular topic

> ple would disclose HIV infection or remain private, reflecting the complexity of this issue.

This chapter explores this process of HIV disclosure in two phases. Study 1 compares attitudes toward privacy and sharing HIV related information for people with HIV and those not reporting having HIV. These two groups reported similar groupings of targets, also described in terms of informational boundaries. Study 2, examines these boundaries using actual disclosure patterns for those with HIV.

After reading this chapter you should be able to reflect on these issues:

- What kind of information is difficult to decide to share or keep private (and to/from whom)?
- How does a decision to disclose (or not) and when affect a relationship?
- Why does HIV/AIDS continue to be such a unique and stigmatized health concern?

The Appropriateness of Disclosure of HIV Testing Information

The Perspective of PLWAs

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& Donelan, 1988). possible restrictions on civil rights (Blendon quiring some loss of individual privacy and Americans see the control of HIV/AIDS as rerights versus the public good" (p. 13). Most most easily framed in terms of individual affecting the other, public debate has been Krupka & Vener, 1988; Lang, 1991; Swartz, on the other (see: Bayer & Toomey, 1992; good (disclosure) of this sensitive information on the one hand and the perceived public rights to privacy of HIV-positive individuals there is growing controversy regarding the surrounding disclosure of this sensitive inforhas been constructed as a disease of unknowns 1990). As Sun (1987) noted, "because AIDS mation. As the ranks of those infected swell, those tested for HIV, must deal with issues ten years. People who test HIV positive, even he incidence of AIDS/HIV infection, has increased dramatically in the past accompanied by a rise in HIV testing,

Despite some literature on the perceived conflict of public and private interests regarding HIV/AIDS, there has been a marked absence of research on the consequences of disclosure of HIV test results for those most directly affected, those who have tested HIV-positive as well as people living with AIDS (PLWAs). This article investigates disclosure

in the context of HIV in two ways: first, it explores PLWAs' perceptions of who should have access to HIV testing information; second, it explores to whom PLWAs disclose their HIV infection

Review of Literature

Little is known about why, to whom, and with what effects people choose to disclose their serostatus. Even with this absence of understanding, policies regulating HIV/AIDS and disclosure continue to be made. For example, third party notification programs are in place in some states, but they may create ethical dilemmas for those involved (see: Bayer & Toomey, 1992; Kermani & Weiss, 1989; Melton, 1988; Swartz, 1990). Identification of people with HIV antibodies has been rationalized as a way to protect uninfected persons from possible transmission of the virus (Silin, 1987).

There is an available model to assist in understanding how HIV-positive individuals might want to regulate information about their serostatus. Using a systems approach, Petronio (1991) proposed a theory of boundary management to describe how people control potential risk to self when disclosing. Petronio described how individuals regulate

ships to attain a balance between disclosure tremendous, perhaps leading to more rigid associated with disclosing HIV infection are to reduce their chance of losing face, The risks aphoric boundaries to protect themselves and and privacy, between intimacy and autonomy, disclosure of private information in relation-PLWAs might perceive any sharing of informaboundaries (little or no disclosure) where To achieve this balance, individuals erect mettion about their disease status as a threat.

establish how these rules function. In the conwhy people make decisions to disclose. People to vary by relational type and intimacy, charcloser factors: expectations of the discloser, consider is the factors that affect discloser detext of HIV, the most useful information to use rules or criteria to control boundaries and that it is transactional, focusing in part on potential disclosee. In this sense, disclosure is acteristics associated with perceptions of the the expectations of the discloser that are likely message strategy, and message content. It is cisions. Petronio argues there are three dis-(Petronio, 1991), yet much work remains to regulate the flow of private information One of the strengths of Petronio's model is

ciated with HIV. Although Yep's application avoid the emotional distress and stigma assotween a need to receive social support yet sions to disclose, especially the balance beelaborated on what factors might affect deciability of disclosure of HIV infection. Yep ment theory specifically to the potential vulnertested to this point. Greene and Serovich text of HIV is intriguing, it has not been fully of boundary management theory to the conexplore disclosure of HIV, and they reported (1995) used boundary management theory to Yep (1993) applied boundary manage-

> management theory in the context of disclotion assessed the utility of boundary were the best predictors (in a non HIVsure of HIV infection by focusing on target or formation about HIV. The present investigapositive sample) of willingness to disclose inrelational quality and anticipated response role of disclosee.

on Privacy and H1V Testing

sure to the specific context of HIV/AIDS. Reis a need to adapt what is known about disclo-HIV testing. ceptions of privacy function in the context of prove beneficial in understanding how persearch on the process of disclosure also may Disclosure is a complex process, and there

tion that someone has been tested for HIV. overall support for access to results of HIV surprisingly, they found people reported more pared college students' and parents' perspecward homosexuality and more liberal religious eral, people with more accepting attitudes toand attitude toward homosexuality). In genables (e.g., perceptions of privacy, religiosity, can be predicted by individual difference variward disclosure of HIV testing information Overall, findings indicated that attitudes totesting information than access to informadisclosure of HIV testing information. Not tives of privacy and appropriateness of cess to information about results of HIV tests. beliefs report that others should have less ac-Greene, Parrott and Serovich (1993) com-

ateness of disclosure. Researchers have estabthe recipient is affects perceptions of appropridividual perceptions of disclosure of informalished that the target or recipient of disclosure tion about HIV, research has examined if who In addition to research on predictors of in-

> and disclosure for adequate functioning. may be provided without negative consetreatment, and social support-input which quate input in the form of education, medical may be necessary; such a boundary allows adetent with that described by Petronio's Thus, there may be a need for both privacy disclosure to create a social support network. ing. It is necessary to engage in some selfquences such as loss of employment or houstests. As a result, a semi-permeable boundary ing access to information about results of HIV are simply not viewed as appropriate for havboundary management theory. Some people ate informational boundaries, a process consisdescribed as an attempt by individuals to creaccess to this information. This process can be about HIV, and those with less intimate relamore appropriate for access to information information (Serovich & Greene, 1993; Serovappropriateness of disclosure of HIV testing groups, and among (b) marital, nuclear, and tionships are perceived as less appropriate for those closer or more intimate are perceived as ich, Greene, & Parrott, 1992). Specifically, extended family subsystems in perceptions of (a) marital, community, and general public viduals delineate clear boundaries among 1980; Tardy, Hosman, & Bradac, 1981). Indiabout themselves (Stokes, Fuehrer, & Childs, constrains how individuals reveal information

of the information, for example "Employers should have access to results of employees rovich et al. manipulated the target/recipient rectly affected (e.g., teachers, employers). Semore appropriate recipients than those less didiagnosis (e.g., spouse, lover) would be seen as al. (1992) looked at the potential recipient of people viewed as most directly affected by the HIV testing information. It was expected that Using this boundary approach, Serovich et

> marital subsystem. als reported most desire to restrict access to mates and family members. Overall, individuthese analyses loaded on two factors, classtwo targets, lovers and spouses. Two items in newspapers general public, and community targets. The "general public" factor included potential employer, co-worker, and teacher type format. They reported a three-factor solic, less to the community, and least to the HIV testing information to the general publeader targets. The "marital" factor included The "community" factor included employer, lution accounting for 73% of the variance. AIDS tests," using eleven recipients in Likert-

ticipants reported most support for others' acgrandmothers, and grandfathers. Overall, partors (nuclear and extended): sisters, brothers, and daughter targets. The "marital family" within families. They reported a three-factor least support for access to the extended family. system, moderate to the nuclear family, and cess to HIV testing information to the marital lover targets. Four targets loaded on two facfactor included spouse, former spouse and family" factor included mother, father, son, ter- and brother-in-law targets. The "nuclear aunt, uncle, cousin, and mother-, father-, sissolution accounting for 85% of the variance. targets for access to HIV testing information this work by looking at potential recipients or The "extended family" factor included the Serovich and Greene (1993) expanded on

known if those most directly affected by access to HIV testing information. It is not amined is how HIV-positive people perceive HIV tests. What has not been thoroughly exabout who should have access to results of formational subsystems in making decisions ies support the notion that people create in-Taken together, the findings of these stud-

it would be expected that PLWAs would creinformational boundaries with other samples, ate subsystems in similar ways. Given that previous researchers found these boundaries or subsystems in similar ways. disclosure of this information (PLWAs) create

public, and community). not as intimate (extended family, general recipients of HIV test results than those family) are viewed as more appropriate closer to the discloser (marital and nuclear results of HIV tests; specifically, those create boundaries based on others' access to Hypothesis 1: HIV-positive individuals

and HIV Positive individuals

formation that should be further explored. studies have provided valuable preliminary in-& McClellan, 1989; Fleck, 1991). These methodologies of interviews (e.g., Lang, more qualitative in nature, using, for example, with HIV-positive individuals. Some research 1991) or case studies (e.g., Carlson, Greeman, been published, but some of these studies are on attitudes of HIV-positive individuals has ing, there has been even less work specifically disclosure and privacy in the context of test-Although there has been little research on

with HIV/AIDS are more stigmatized than Husfeldt, Kelly, Hood, & Smith, 1990). The Green, 1990), or leukemia (St. Lawrence, cer and coronary disease (Walkey, Taylor, & or legionnaires' disease (Hughey, 1986), canpeople with other diseases, such as toxic shock ciated with HIV was similar to what Goffman tive individuals in disclosing their serostatus. (1963) described as "spoiled identity." People Yep (1993) hypothesized that the stigma asso-There are tremendous risks for HIV-posi-

> avoid the negative consequences. choices to try to disclose for the benefits yet Thus, HIV-positive persons must make all stress and increased psychological health. traumatic events is associated with lower overacquire needed information and assistance. negative, such as homosexuality, being raped, Pennebaker (1989) argues that disclosure of closure is necessary to receive support and to disclosure of this information. However, dismay have experienced negative reactions from experience with any of these sensitive issues or being sexually abused. People with direct the risk of disclosing information perceived as may be similar to what has been identified as disclosure process for HIV-positive persons

cult, but there is widespread anecdotal eviof this type of discrimination has been diffihomosexuals (Anderson, 1989). "bashing," particularly PLWAs identified as dence. PLWAs also may fear physical abuse, insurance (Anderson, 1989). Documentation tion, losing child custody, and cancellation of crimination, such as loss of employment, evicconsequences. For example, they may fear disdesire to restrict others' access to results of HIV tests because they fear potential negative HIV-positive individuals may have more

or bisexual sexual contact and IV drug use). have been clearly linked to negative attitudes Hence, negative attitudes toward HIV/AIDS tion (Robinson, Walters, & Skeen, 1988). marily with the homosexual/bisexual populawith stigmatized activities (e.g., homosexual of HIV tests because they are aware of percep-HIV/AIDS, however, has been associated priinfections are acquired through association ing to public perception, many HIV tions of HIV/AIDS as a gay disease. Accordhigh desire to restrict others' access to results HIV-positive individuals also may have a

> et al., 1993), and increased access might be a also are more likely to support increased acpotential threat to HIV-positive persons. cess to information about HIV tests (Greene with negative attitudes toward homosexuality know their gay/bisexual orientation. People HIV infection to parents who did not already Cook, 1987; Larsen, Serra, & Long, 1990; toward homosexuality (Cohen & Grace Ross, 1988; Stipp & Kerr, 1989). Marks et al. (1992) reported that virtually no one revealed 1988; Kelly, St. Lawrence, Smith, Hood, &

less negative. toward PLWAs, rather they may be becoming ward PLWAs, however, may be decreasing and PLWAs than women (e.g., Eiser, Eiser, & more negative attitudes toward HIV/AIDS ers have reported that men generally have over potential contagion by medical personnel have documented general negative attitudes developing positive or even neutral attitudes (Johnson, 1989), although people may not be Walkey et al., 1990). Negative attitudes to-Lang, 1989; Shrum, Turner, & Bruce, 1989; 1988; Sherr, 1987; Wallack, 1989). Research-(Pleck, O'Donnell, O'Donnell, & Snarey, toward people with HIV/AIDS and anxiety tive attitudes toward PLWAs. Researchers tests because they are aware of generally negamore desire to restrict access to results of HIV Finally, HIV-positive individuals may have

these may explain PLWAs' expected desire for negative attitudes toward PLWAs. Each of of HIV/AIDS as a gay disease, and general mation: behavioral consequences, perceptions sults from others' access to HIV testing inforless access to results of HIV tests. HIV-positive individuals may fear three re-

report others should have less access to Hypothesis 2: HIV-positive individuals

> groups for marital, nuclear, and extended family, general public, and community tar-HIV testing information than other sample

Disclosure of HIV Infection

served in attitudes toward who should know It seems clear from these findings that the creabout the results of HIV tests. ation of informational boundaries in disclosure ents, siblings, and children (depending on age). ported similar high disclosure to partners, parin interviews with five HIV-positive women, and the highest rate was to lovers and spouses. closure was to mothers, siblings, and friends, est rate of disclosure was to employers, landothers than to less significant others. The lowto disclose their HIV status to more significant study, HIV-positive persons were more likely scribed earlier. They did find HIV-positive inate subjectively the potential consequences of practices may be quite similar to patterns ob-Kimberly, Serovich and Greene (1995) relords, and religious leaders, a higher rate of disrelational type and level of intimacy. In this dividuals' expectations about disclosing vary by lar to the boundary formation in attitudes dedisclosure is made, a process that may be simiinforming a particular target person before a men and proposed that people with HIV evaluterns in a sample of HIV-positive Hispanic Marks et al. (1992) examined disclosure patfrom examination of actual disclosure practices. provide significant information, and additional work has examined who actually is told about information about boundaries might be gained HIV infection. Attitudes toward disclosure should know about HIV test results—yet little disclosure and HIV area—perceptions of who Previous research reviewed one part of the

nuclear family) and least to those further closer to them (i.e., marital subsystem and disclose their serostatus most to those from them (i.e., the extended family). Hypothesis 3: HIV-positive individuals

Participants and Procedure

plete and was anonymous. naire took approximately 30 minutes to comservices (no in-person refusals). The questiontionnaire at the center where they received whereas others were asked to fill out the quesreturn envelope (response rate was 34%), Some received a questionnaire with a stamped aimed at servicing the informational, educacruited through two non-profit organizations WAs. Participants were recruited in two ways. tional, counseling, and referral needs of PLtion of the United States. Participants were repositive and resided in the southwestern porindividuals who had been diagnosed HIV-Participants in this study consisted of 77

unemployed, 24% reported full-time employment, and 22% reported losing their job due to their HIV-positive status. Fifty-four percent reported being currently cluded 52 Caucasians, 5 African-Americans, ported "none," 9 Catholic, 22 Protestant, and = 705). In terms of religious preference, 27 reranged in age from 23 to 50 (M = 33.96; SD status, on average, 48.13 months (range 0 to 10 Hispanics, and 4 Asian (6 not reported). 13 "other" (6 not reported). The sample in-132 months). The sample was 78% male and Participants had known their HP/-positive

Measurement Instruments

cluded the following (proposed subsystem in of Likert-type items. The 26 items consisted of more support for privacy. access to information about HIV testing or cating less perceived appropriateness of others' "Strongly Disagree," with a higher score indithese items ranged from "Strongly Agree" to thers (previous split loadings). Responses to employers, potential employers, co-workers, cousins, mothers-in-law, fathers-in-law, sisterstarget/potential recipient, and the targets into information about results of AIDS tests." statements such as, "Lovers should have access bers, sisters, brothers, grandmothers, grandfapublic subsystem); classmates, family memteachers (community subsystem): community in-law, and brothers-in-law (extended family); fathers (nuclear subsystem); aunts, uncles, parentheses): spouses, former spouses, lovers, testing information, was measured by a series ceived appropriateness of others' access to HIV leaders, general public, and newspaper (general (marital subsystem); sons, daughters, mothers, The items were changed by manipulating the One construct of interest in this study, per-

to the participant (e.g., only children would essary to ask if each target person was relevant tal and nuclear family targets. It was also necother, mother, father, first, second and third study included the following: significant ther. Because of the length of the survey, the ther, and paternal grandmother and grandfasibling, maternal grandmother and grandfationnaire, and the ten targets retained in this were excluded due to the length of the questargets/recipients used in previous research disclosure questions were limited to the mariknow you are HIV-positive?" A number of measured. Participants were asked, "does x Actual disclosure of HIV infection also was

not have siblings, or a grandparent might be

marked improvement over the two-item meameasure (Serovich & Greene, 1993) showed subsystem measure in previous research was ried and dating couples, adequate reliabilities Greene (1993) reported, for a sample of marable measures by subsystem. Serovich et al. the marital subsystem, but the three-item (alpha range .75-.98). The only questionable ties (alpha range .61-.85). Serovich and dents and parents, low-to-acceptable reliabili-(1993) reported, for a sample of college stuattitude toward disclosure items formed reli-Reliability Previous research indicated the

> sure (Serovich et al, 1993). The reliabilities to .98 (see Table 1). present study were adequate, ranging from .87 (Cronbach's alpha) by subsystem for the

with these limitations in mind. useful insight, but results must be interpreted tionnaire. Thus, these data provide some tively small and over-represents males, potenderstandable if they did not return the ques-AIDS-related disease process, it would be unconcern; however, given that some of the tartially affecting the generalizability of findings. worth noting. First, the sample size is relaget sample were in advanced stages of an The moderate response rate might also be a There are several limitations to this study

Table 19.1. Summary of means, samples, reliabilities, standard present and comparable past studies deviations and 95% confidence intervals by subsystem for

7	cur and company past studies	past studies	
Subsystem	Serovich et al. (1993)	Serovich & Green (1993)	Present Study
Sample of:	Young Adults & Parents (N = 327)	Married & Dating Couples (N - 404)	HIV + Individuals (N = 77)
General Public (3 items)	alpha .84 M = 4.14; SD = .95 95% Cl (4.01-4.29)	21	alpha = .92 M = 4.58; SD = .72 95% Cl (4.34-4.82)
Community (4 items)	alpha = .85 M = 3.27; SD = .95 95% Cl (3.09–3.45)	1	alpha = .92 M = 4.58; SD = .72 95% CI (4.34-4.82)
Extended Family (7 items)	l	alpha = .98 M = 3.43; SD = 1.05 95% CI (3.28-3.58)	alpha = .98 M = 3.59; SD = 1.12 95% CI (3.20-3.98)
Nuclear Family (4 items)		alpha = .95 M = 2.32: SD = 1.05 95% CI (2.28–2.48	alpha = .97 M = 2.96: SD = 1.38 95% CI (2.48–3.44)
Marital (2-3 items)	alpha = .61 M = 1.66; SD = .75 95% CI (1.54–1.78)	alpha = .75 M = 1.63: SD = .73 95% CI (1.48–1.73)	alpha .97 M = 2.48; SD = 1.15 95% CI (2.42-3.26)
		2:	

set at p < .05 for most tests. with an alpha adfidence intervals. The level of significance was tor analyses (varimax rotation), and 99% conjustment for the number of tests in Hypothe-Data were analyzed using MANOVAs, fac-

Hypothesis I

priateness of disclosure by target.2 is, there were perceived differences in approwithin-subject effect for target or recipient (F viduals. A MANOVA indicated a significant systems for this sample of HIV-positive indithree (not five) significantly different sub-MANOVAs also indicated the presence of were significantly different (see Table 19.1). in the expected order, but not all subsystems supported. The means by subsystem were all others' access to information about results of (73) = 52.3: Hotellings = 2.92; p < .001); that clear 'and marital) based on desire to allow HIV testing. This hypothesis was partially viduals create boundaries among subsystems (general public, community, extended, nu-Hypothesis I predicted HIV-positive indi-

evidence indicated they were better explained loaded on both factors 1 and 3, but additional items (son, daughter, mother and father) % Var. = 7.0) loaded three nuclear family items above .6 (e.g., coworker, community 3.67; % Var. = 17.5) loaded seven nonfamily items above .85 (e.g., spouse, lovers). Four law, cousin). The second factor (eigenvalue = seven extended family items above .8 (e.g., in (eigenvalue = 11.53; % Var. = 54.9) loaded ing for 79% variance. The first factor tent with results of the MANOVA, accountalso indicated a three-factor solution, consisleader). The third factor (eigenvalue = 1.47; (those cleanly loading in previous research) An initial factor analysis of all 21 targets

as part of the immediate family subsysten

next most to the extended family, and least acothers' access to results of HIV testing inforsearch, participants reported most desire for cess to non-family members. mation to the immediate family subsystem, systems. As expected and found in previous relabeled "non-family," was a combination of with previous research. The final subsystem, subsystems were not significantly different (by previous general public and community subdifferent from all other systems, consistent ily." The extended family" was significantly to form a subsystem labeled "immediate fam-MANOVA), and these items were combined factor analyses, confidence interval, or The previous marital and nuclear family

Hypothesis 2

cess to results of HIV testing information. viduals reported significantly less desire for acthe other four subsystems. HIV-positive indiwere not significantly different). For each of vacy than other groups (confidence intervals positive individuals did not desire more prisubsystem (extended family) where HIVof the general population. There was only one of HIV testing information than did members should have significantly less access to results HIV-positive individuals perceived others samples. Across the subsystems examined, comparable previous studies using different not overlap. Table 19.1 presents the means for supported, as most confidence intervals did testing information (or more privacy) across the present study along with results from two tion, report less desire for access to HIV viduals, as compared to the general populaall subsystems. This hypothesis was generally Hypothesis 2 predicted HIV-positive indi-

Hypothesis 3

grandparents was even lower still (range 29%most disclosure of HIV infection to the im-40%-55%), and disclosure of infection to Disclosure to siblings was moderate (range (73%-85%), with disclosure to mothers the immediate family were extremely high systems previously) and less to the extended mediate family (marital and nuclear submembers). According to these data, there is all subsystems because of what data were col-(85%) slightly higher than to fathers (73%). family. Percentages of who had disclosed to lected (focus on actual disclosure to family not possible to make direct comparisons with disclosure of HIV infection by target. It was presents the frequencies and percentages for the marital and nuclear family and fewer re-This hypothesis was supported. Table 19.2 port disclosure to extended family members. persons report disclosure of their serostatus to Hypothesis 3 predicted more HIV-positive

critical value of 1.645. Specifically, fathers gets in adjacent subsystems approached the an outlier, the z-tests between the closest taricantly different from paternal grandmothers (z = 1.67), but second siblings were not signifwere significantly different from first siblings If the maternal grandmother was ignored as proportions were performed (Hayslett, 1968). ences in groupings were significant, z-tests for 29%-44%). In order to test if these differlowest disclosure to grandparents (range and parents (range 73%-85%), next highest closure. The highest disclosure was to partners kind of pattern found in attitudes toward discentages reveals three groupings similar to the disclosure to siblings (range 40%-55%), with The general pattern of these disclosure per-

can inform each other. and perceptions of others' access to HIV tests consequences and might not see others' access many might have confronted fears of negative would be unlikely to support access for nonson who had disclosed to few if any others considering the extremes in disclosure: a peras so threatening. In sum, actual disclosure intimates, but a person who had disclosed to results. This relation is understandable when he was to support others' access to HIV test public and community subsystems were ditions between actual disclosure and general his/her HIV infection the more likely she or rect; that is, the more a person had disclosed know little about the extended family. Correlatended family was the most ambiguous target family is not surprising given that the extion between actual disclosure and extended sharing that should be automatic. The nonrelafamily are still viewed as private choices, not were less likely to support access to HIV tests systems were inverse; that is, people who had sure and marital and nuclear family substrength. Correlations between actual disclosubsystems and actual disclosure indicated the (neutral) in previous research; thus, we still that disclosure to intimates and immediate for the marital or nuclear family. It may be disclosed their HIV infection to more people relations varied in both direction and sons disclosed to) and the five subsystems (see of HIV infection. In order to examine this redisclosure (measured as number of target perlation, correlations were run between actual ever, that this does not assess actual disclosure theoretical approach. It must be noted, howto results of HIV tests, consistent with the Table 19.3). Correlations between the five signed to measure perceptions of others' access Some items in the present study were de-

Table 19.2. Frequencies and percentages for actual disclosure of hiv infection by target

Knowsa	Does Not Know	Unsure	Not Relevant
36/84%	5	2	34
52/85%	œ	1	16
38/73%	13	2	24
28/54%	24	0	25
19/40%	29	0	29
16/55%	13	0	48
4/31%	00	1	2
7/33%	12	2	56
2/29%	υs	2	70
8/44%	6	4.	59
	Knows* 36/84% 52/85% 38/73% 28/54% 19/40% 16/55% 4/31% 7/33% 2/29% 8/44%		* Does Not Know 5 8 13 24 29 13 8 8 12 6

a. Percentages are calculated after subtracting those who did not have target person not relevant

Table 19.3. Correlation matrix among subsystems and with actual disclosure

Variable	Marital	Nuclear	Extended Family	General Public	
Marital Family	1.00				
Nuclear Family	.68ª	1.00			
Extended Family	.46ª	.75*	1.00		
General Public	.08	.23 ^b	.47ª	1.00	
Community	.26 ^b	.24ª	.62ª	.682	1.00
Actual Disclosure	09	11	.03	.23 ^b	.12

a. p < .001b. p < .05

Discussion

gate PLWAs' perceptions of appropriateness of that differences do exist, with PLWAS being HIV-positive. Results of this study suggest from perceptions of people who were not was how these perceptions might be different disclosure of their serostatus. Also of interest others' access to information about HIV and The purpose of this study was to investi-

> positive persons are highly selective in choos-This is consistent with findings that HIVothers' access to HIV testing information. ing targets of disclosure (Marks et al., 1992). more conservative or restrictive concerning

PLWAs grouped targets into three distinct access to results of HIV testing information. tional boundaries concerning who should have In this study, PLWAS constructed informa-

> groupings or creation of informational boundseveral possible reasons for these particular Greene, 1993; Serovich et al., 1992). There are with the types of boundaries reported by previand newspaper). These results are consistent ous researchers (Marks et al., 1992; Serovich & teachers, community leaders, general public, appropriate recipients of HIV test results than ters, mothers, fathers) being viewed as more subsystems, with immediate family members (employers, potential employers, co-workers, propriate recipients than non-family members in-law), who, in turn, were viewed as more apins, mothers-, fathers-, sisters-, and brothersextended family members (aunts, uncles, cous-(spouses. former spouses, lovers, sons, daugh-

support, for example, in child care or reading anecdotal evidence for this need for social gets for disclosure. PLWAs may recognize a vealed only 39% of respondents in this study clear family members (immediate family). their HIV-positive status to marital and nuthis assistance, PLWAs may need to disclose information about HIV. In order to receive for assistance. Kimberly et al. (1995) provide need for social support and seek more sources lings, as equally appropriate or necessary tarsee other targets, such as parents and/or sibrelationship, he or she might be more likely to reported having a significant other or partner. systems. A re-examination of these data reyond the marital subsystem. In previous studsupport of immediate family members be-If a PLWA is not in a significant non-family between the marital and nuclear family subes, participants reported a distinction First, it is plausible that PLWAs need the

members to tell, preferring that if one know, comfortable portioning out immediate family It is equally plausible that PLWAs feel un-

> et al., 1995; Marks et al., 1992). sitions by having information other family additional reasons for not disclosing (Kimberly not wanting to worry others or cause stress as cially those nonsymptomatic) have described but not a father. HIV-positive persons (espemembers do not, for example telling a mother avoid putting family members in awkward poself-preservation. PLWAs also might want to instance, not disclosing might be a form of ones providing support for the PLWA. In this for persons who fear they might have to be the same time. This might be especially important see it as a necessity for others to know at the ily members themselves. Thus, PLWAs might provides a mechanism for support for the famsure. Second, telling multiple family members energy needed to deal with this type of disclomembers over time and might save emotional tions. First, it eliminates re-telling family they all know. This might serve several func-

count indirect disclosure, through a third person, inappropriate access to results, or by disclose. This also may fail to take into acof "should have access" items focuses on who may make it in a different way. The framing cause of their potential risk for infection. need to know. Thus, non-PLWAs may persupport). Non-PLWAs, however, might base sure (Hypothesis 2) is that they may base their ceive sexual partners as significantly different HIV testing information on the other person's decision on who should have access to HIV has a right to know, not if a person intends to PLWAs may not make this distinction, or from other immediate family members betheir decision on who should have access to (which includes the goal of disclosure to gain testing information on their own need to tell more conservative in attitudes toward disclo-One possible explanation for PLWAs being

suits), It is also possible that more conservamay clearly be in a better position than nonbe a reflection of perceived risk, and PLWAs tive attitudes toward disclosure could merely have become foundations for discrimination observation of health conditions (all of which PLWAs to assess risks of disclosing HIV infec-

previous reports). respondent had a significant other (the unadsignificant others had disclosed their serostacentage, of those PLWAs who reported having and Marks et al. (1991) reported disclosure of justed figure for this study is 47%, much like ous studies were not adjusted for whether the tus. It is also possible that figures from previ-In the present study, 84%, a much higher perdirect proportion to the number of partners. HIV infection to sexual partners decreased in Marks, Richardson, & Maldonado, 1991), partners to be around 50% or less (e.g., disclosure by HIV-positive persons to sexual oped further. Studies have generally reported off disclosure until the relationship has develstatus were disclosed. Thus, PLWAs may put goal of partner notification programs is to resure of HIV infection to intimate others turbing because it would be hoped that disclosame way as other sample groups. This is disfear their partners would leave if their HIV primary relationships; specifically, they may duce the spread of HIV. PLWAs may have difwould happen automatically. In fact, a major as appropriate recipients of disclosure in the not perceive spouses, former spouses. or lovers seen in the results of Hypothesis 2. PLWAs do about disclosure to the marital subsystem, as results is that PLWAs are more conservative What is potentially disturbing about these developing and/or maintaining

> system but permeates all subsystems. et al., 1992; Serovich & Greene, 1993). Thus, PLWAs' hesitancy to disclose HIV-positive targets than other sample groups (cf. Serovich tently saw other subsystems as less appropriate especially true considering PLWAs consissent is a recognition of the unpleasantness asothers. What these things might better repreerroneous to conclude that intimate others are sociated with this kind of disclosure. This is positive status to the marital subsystem or in which PLWAs might disclose their HIVnot told or to speculate about the time frame test results is not isolated with the marital sub-For the purposes of this study, it would be

intimacy (cf. Dindia & Allen, 1992). closure studied, such as amount versus ever, are dependent on the dimension of disdisclose more to mothers than fathers (Daluiso, 1972; Komarovsky, 1974; Riverbark, Jourard & Richman, 1963), and that people receive more disclosure overall than men finding is consistent with reports that women centages in this study were much higher. This ported by Marks et al. (1992), although perfathers (73%), consistent with differences reclosure to mothers (85%) was higher than to study had disclosed their infection to their sig-1971). Gender differences in disclosure, how-(Jourard, 1961; Jourard & Lasakow, 1958; these persons in their lives). Interestingly, disnificant other, mother, and father (if they had lated in this context. Most PLWAs in this ioral intentions, and behavior are closely reprovides some evidence that attitudes, behavaccess to this information in this study. This rostatus (Hypothesis 3) were similar to patterns in attitudes toward who should have The patterns for actual disclosure of se-

study had disclosed their infection to siblings Roughly half of the participants in this

> other researchers in disclosure and attitudes only rough approximations of targets or recip-(Marks et al., 1992; Serovich & Greene, toward closure of HIV infection are clear of informational boundaries described by friendship networks); however, the same kinds people with nontraditional family forms or ients in families (e.g., they do not fit well for dressing actual disclosure. These targets form grandparents, but extended family members participants had disclosed their infection to tween the studies. Roughly one third of these may be a function of the passage of time beported by Marks et al. (1992), but this also than the 30-34% disclosure to siblings re-(if they had siblings). This is slightly higher have not been included in previous studies ad-1993; Serovich et al., 1992). families of choice" dominated by extensive

get parent(s) or children as sources of social to the immediate family (between the marital other sample groups; that is, they are more disclose their serostatus, especially to those and nuclear systems). It may be useful to tarno differences in attitudes toward disclosure encourage disclosure. In this study, there were marital subsystem but the nuclear family to designers may choose to focus not only on the protective of privacy in this context. Message PLWAs have more restrictive attitudes than their risk behavior. First, results confirm that persons to disclose their serostatus and reduce designing messages to persuade HIV-positive study provide useful information for people than previously recognized. Results of this tion; this, however, is a more complex process who might be or have been at risk for infecdation has been for HIV-positive persons o One widely publicized health recommen-

> support because these decisions are not generally tied to questions of the recipient's risk for

sonal process of deciding to disclose before an could be done by focusing on the intrapernegative consequences of disclosure, and this sages are simplistic and fail to recognize the sage designers. support) would be another avenue for mesto what can be gained by disclosing (social from a duty to disclose (public health) frame actual disclosure scene. Reframing messages fective if they emphasize both the positive and serostatus. Such messages might be most efpict people in the process of disclosing their utilizing a PLWA or the spouse/partner of a complexity of this process. Messages, perhaps be at risk for infection. These current mespositive persons disclose to those who might closure of HIV infection are infrequent (with PLWA as a source, could use role plays or dethese messages simply recommend that HIVthe exception of those at HIV testing sites); Currently, health messages to promote dis-

ally should not know results of HIV tests; attishould know and non-family members genercult decisions, since PLWAs overall reported mate other should not be assumed. It may be sure decisions and the process of obtaining sowant to encourage discussions about disclotant to do so in some cases. Therapists may disclosing their serostatus, and they are reluctor professionals in contact with PLWAs, for tudes toward disclosure to extended family that immediate family members generally that the extended family holds the most diffimust be aware that disclosure to spouse/inticial support. Therapists and social workers Clearly, PLWAs have difficult decisions about example, therapists and social workers. Results of this study also have implications

dren might be especially problematic). members were ambiguous (siblings and chil-

of Petronio's theory and Yep's (1993) applicapractices. Additional work to test components to various family members were anticipated tors of willingness to disclose HIV-infection and Serovich (1995) reported the best predicothers should have access to information tion would be fruitful. sensitive information and in actual disclosure boundaries in their perceptions of access to nents of boundary management theory. PLresponse and relational quality, both compotations of the discloser is a valid one. Greene role of intimacy and relational level in expecdiscloser, Petronio's (1991) description of the about HIV tests. From the perspective of the icant determinant of whether PLWAs thought (e.g., mother, sister, grandparent) was a signifthis study, the relationship with the discloser of a response from a partner (the disclosee). In discloser. Disclosure implies the anticipation ment theory concerns the expectations of the significant component of boundary manageity of boundary management theory. One vides information for examination of the util-Implications for theory This study prodo indeed create informational

way to reduce anxiety. One fundamental impact of support has been to reduce uncertainty tions of support (Albrecht & Adleman, communication affects individuals' percep-& Calabrese, 1975) is a way to explain how of HIV. Uncertainty reduction theory (Berger ful for understanding the process of disclosure 1984): disclosure of HIV could simply be a fying perspective for explaining how der to understand. This theory may be a unipeople are motivated to communicate in or-There are other theories that could be use-

> over difficult experiences. Other theories recand validate feelings. dence to the use of support groups for PLWA Albrecht, 1982), and this would lend crecome from those who share the context (cf. perspective, the most effective support may man, 1984), and people may disclose HIV inlife stress, crisis and illness (Albrecht & Adleognize social support as critical to handling (or partners, children, etc.) as a place to vent fection to gain social support. From this

Future Research

(1992) reported disclosure increased with severity of disease (independent of length of sis when no disclosure occurs. Marks et al. cated, for HIV-positive women, there may be to the diagnosis. Kimberly et al. (1995) indisponses, and who told them. Ideally, research an initial adjustment period after the diagnorelationships between timing and adjustment first and how she or he reacted) might reveal timing of the disclosure (e.g., who was told through the disease process. Looking at the perspective to see if disclosure patterns change could be undertaken from a developmental certain persons were/were not told, their rewould be worthwhile to study reasons why also would be beneficial. For example, it discussions about the disclosure process itself methods. Other information about PLWAs' may be informed by structured interview study just who PLWAs do disclose to, and this mation. It would be useful to continue to directly affected by others' access to this inforcluded in future samples as they are most tices. PLWAs (and their families) must be intesting information and their disclosure prac-PLWAs' perceptions of others' access to HIV ther research could add to understanding of There are a number of ways in which fur-

> social support. cating a need for more instrumental kinds of time since testing seropositive), perhaps indi-

ence disclosure. Other theoretical approaches message strategy and message content influherent theoretical perspectives. Boundary that focus on relationships, such as social netmanagement theory, for instance, suggests Further research should be grounded in co-

if the disclosure processes are similar. tion (e.g., homosexuality, being raped) to see information to disclosure of other informahelpful to compare disclosure of HIV testing target role) and frequency of interaction with work theory, social penetration theory, or untarget influence disclosure. It might also be relationship with target (rather than simply certainly reduction theory, assert that

It is difficult to estimate a precise return rate with ill to complete the survey. out properly. In addition, an unknown percentthe client lists of these two organizations. Thirtydeceased, who were hospitalized, or who were too age of surveys were sent to persons who were because they were either incomplete or not filled An additional 16% were returned but not used four percent of the surveys returned were usable. these data. The mailing list used was drawn from

> and length of time known positive. Both coeffi-COVA indicated significant effects for both age toward disclosure of HIV test results. The MAN-

positive were significant covariates in attitudes

An additional analysis was conducted to see if age of participant and/or length of time known HIV.

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