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ABSTRACT
              There is a general consensus that international
students are a high-risk group who have a far greater number of
psychological problems than their counterpart U.S. students.
International students experience a number of problems due to the
massive adjustments they are required to make abruptly in their
social and academic lives. A review of the literature relating to the
psychological problems of international students suggests a variety
of difficulties ranging from loneliness, homesickness, and
irritability to severe depression, confusion, and disorientation.
This study examined the psychological needs of international college
students and university students as related to acculturative stress.
International students (N=128) completed the Acculturative Stress
Scale for International Students. The results indicated that the
students were psychologically at-risk on several dimensions, with the
analysis revealing factors labeled perceived deprivation/alienation,
loneliness/homesickness, hate, fear, stress due to change, and guilt.
The findings have implications for college and university counselors.
(NB)

An Assessment of Psychological Needs of International Students: Implications for Counseling and Psychotherapy

Running Head : Psychological Needs of International Students

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Abstract

This empirical study examined the psychological needs of international college and university students as related to acculturative stress. One hundred twenty eight students, 76 males age ($X= 23.6$) and 52 females age ($X= 22.8$) participated in this study. The Acculturative Stress Scale for International Students, developed by these authors, found these students psychologically at-risk on several dimensions. Implications for counseling and psychotherapy are discussed for college and university counselors.

An Examination of Psychological Needs of International Students:
Implications for Counseling and Psychotherapy

The tradition of going abroad to seek knowledge, fulfil
curiosities, and tackle new adventures dates back to the
ancient history. The pursuit of learning beyond indigenous
boundaries seems to be as old as learning itself (Bois, 1956;
Fasheh, 1984). In recent times, United States of America, the
superpower and the world center of information about the most
advanced technology and sophisticated knowledge in mostly all areas
of human interests, has become the Mecca, a cynosure for foreign
students. As a result, more foreign students are enrolled in the
U.S. colleges and universities than in any other country (Anderson
& Myer, 1985 ; Schram and Lauver, 1988).

According to Zikopoulos (1991), 407, 529 undergraduate and
graduate students from 193 different countries were enrolled in
U.S. colleges and universities during the fall of 1990-1991.
By all indicators, it appears that the number of international
students will be growing more and more in the future, especially
when U.S. institutions with declining enrollments are actively
recruiting students as far as from Hong Kong and many oil-producing
rich countries in the Middle East. Pedersen (1989) points out
that U.S. colleges and universities are also becoming increasingly
dependent on the foreign students in areas of sciences.

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The presence of these students on our university campuses provides a great opportunity to promote cultural and international understanding. It is hoped that in addition to the achievement of their personal goals, these "cultural ambassadors" will ideally play an important role to enhance international understanding and collaboration to tackle problems, such as hunger, AIDS, drug abuse, etc., which no one country can solve alone.

The courage, initiatives, ambitions, and dreams of the foreign students who leave everything behind to adventure into a far distant land several thousand miles away from their homes and families deserve unqualified admiration and praise. They are the modern day "pioneers" and "frontiers" which share the courage and bravery of the founding fathers.

Now practically speaking, the reality of being a "foreigner" hits very hard in a strange land when a person has to make massive personal, social, and environmental changes upon arrival. The seriousness and severity of emotional pain associated with migration is so real and traumatic in nature that it has been given some special names. Ward (1967) calls it " a foreign student syndrome", suffering from an extremely high levels of anxiety related problems but having no recognizable physical signs and symptoms. Zwingman (1978) calls migration experience of foreign

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students as a phenomenon of "uprooting disorders " with identifiable psychological symptoms of alienation, nostalgia, depression, and sense of helplessness. Based on their clinical findings, the psychiatrists, Alexander et. al (1976) describe foreign students a population that "feels vulnerable and at risk during much of their time in the United States" (p. 83).

There is a general consensus that the international students are a high-risk group who have a far greater number of psychological problems than the their counter-part, U.S. native students (Naditch and Morrisey, 1976; Klineberg & Hull, 1979; Owie, 1982; Dillard & Chisolm, 1983 ;Padilla, Alvarez & Lindholm, 1986; Schram & Lauver, 1988). Pedersen (1991) sums up for all when he states that " International students are likely to experience more problems than students in general and have access to fewer resources to help them" (p. 24). They suffer silently a myriad of problems which are unique to them due to massive adjustments they are required to make abruptly in their social and academic lives (Bochner, 1972; Spradley & Phillips, 1972 ; Day and Hajj, 1986; Pedersen, 1991).

Sources of International Students' Problems

A variety of reasons have been suggested in the counseling psychology literature that contribute to the psychological problems

of the international students. Bochner (1972) attributes these
problems to four major social roles which are placed upon the
international students simultaneously to meet the expectations
of being a student, a foreigner, a "cultural ambassador" for native
country, and still meet the personal challenges of growing up as a
young adult.   Vega, Kolody, & Valle (1988) point out family
disruption, break from familiar socio-cultural, economic, and other
support systems as the source of possible stressors which are
associated with the migration experience. Pedersen (1991) concurs
that " A person's self-esteem and self-image are validated by
significant others, who provide emotional and social support in
culturally patterned ways. Moving to a foreign culture suddenly
deprives a person of these support systems" (p.12).

On the other hand, there are a number of authors (Babiker,
Cox, & Miller, 1980; Church, 1982; Padilla, Alvarez, & Lindhom,
1986; Heikinheimo & Shute, 1986)   who believe that the
communication problems of international students are the underlying
root cause of their numerous difficulties that transcend all areas
of these students' academic, personal, and social lives. It seems
to us that   Pedersen's (1988) description of "culture shock"
phenomenon is well suited to explain another source of
international students'problems when he writes:

> When familiar cues are removed and strange or unfamiliar
> cues are substituted, as might happen to a visitor in a
> foreign culture, our response is likely to range from vague
> sense of discomfort, until we have learned the new
> expectations, to a profound disorientation that requires a
> complete reorganization of our lives.   (p. 57)

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Alexander et al. (1976), point out that " In addition to suffering culture shock when dealing with external matters such as differences in food, climate, language, mannerisms, and communication, these students also suffer from status change and status loss" (p. 83). This status loss occurs because most of these international students once very successful and well established in their native country, all of a sudden become vulnerable to numerous academic and social problems causing them a severe shock of inferiority.

Nature of the Problems

A review of literature relating to the psychological problems of international students suggest a large gamut of psychological difficulties ranging from simple loneliness, homesickness and irritability to sever depression, confusion, and disorientation. Dillard & Chisolm (1983) maintain that "the actual cultural context on campuses in the United States frequently generates stress, depression, frustration, fear, and finally, pessimism" (p.101). Day and Hajj (1986) agree with Zwingman (1978) about the uprooting disorder that afflicts the foreign students to cause them," disorientation, nostalgic-depressive reactions, feelings of isolation, alienation, and powerlessness" (p.353).
The dilemma of psychological problems described below (Hull, 1987, p. 307) may not be typical of all the foreign students, but Kabul

does serve as a spokesman for some who are afflicted with desperation when he wrote:

> I'm not doing anything but sitting in my room drinking coffee and smoking cigarettes. None of this has any meaning. Sometimes I think I should just kill myself. My roommate thinks it is because I have no parents, no country, and no religion. The psychiatrist keeps giving me pills but they aren't helping. Why do I feel like this? What should I do? My grades are O.K. -------- (Kabul)

There is a conspicuous dearth of empirical findings about the psychological problems of the international students in the counseling psychology literature. A few empirical studies attempted to investigate the psychological concerns of the foreign students are limited in scope as most of them just focused on a very small number of pre-selected major problems. There seems to be a dire necessity to examine international students' problems in a comprehensive manner to assess their overall concerns.
These authors concur with Pedersen (1991) that "Much more work needs to be done regarding measures, tests, and clinical or counseling tools which will assist counselors in their work with international students" (P. 48).

The present study aspires to fill this void by developing and field testing a new <u>Acculturative Stress Scale for International Students</u>(ASSIS) to attract the attention of the clinicians and researchers in this area to help international students more effectively.

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Development of Acculturative Stress Scale for International Students

A number of systematic steps taken to develop this scale included:

a. Construction of statements

One hundred twenty-five Likert-type statements were construct-
ed after a review was made of prevalent counseling psychology
literature related to international students. In a pilot study,
13 international students were individually interviewed by the
first author to include their subjective view points and first hand
experiences. Subsequently, twelve major factors with a varying
number of statements (n=125) were theoretically identified to cover
acculturation difficulties of the international students. The
response format ranged from 1 strongly disagree to 5 strongly agree
with 3, as not sure. The first draft was reviewed by three
university professors, at two different universities, familiar with
multi-cultural and issues related to international students. The
revised and final form of this instrument, ASSIS, incorporated all
the suggestions and recommendations made by the reviewers to make
statements more explicit and easy to understand.

b. Participants and Procedures

Two hundred copies of the final version of ASSIS, with instruc-
tions and answer sheets, were mailed to International Student
Centers of ten randomly selected universities in the United States.
Self-addressed and self-stamped envelopes were provided to facili-
tate the completion process. The directors of International

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Students Centers and international students participating in this study were encouraged to call collect to seek further clarifications in case they had any questions. After a second follow up request, a total of 136 (68%) copies of ASSIS were received. Since eight of these copies were not fully completed, the remaining 128, 76 from males age (X=23.6) and 52 females age (X= 22.8) were used for statistical analyses. The participants of this study indicated twenty-seven different countries as their national origin, a majority of them were from Asia and Latin American countries. Since representation from some countries was too small, no international comparisons were made.

C. Statistical Observations and Procedures

The SPSSX release 3.0 for Unisys computer was used to perform correlation and factor analysis to investigate the seriousness of acculturative stress related to psychological problems of the international students who participated in this study. The method of principal components was applied to extract factors. Barlett's test of sphericity was used to test the hypothesis that the population correlation matrix is an identity matrix. The value of the test statistic for sphericity was found to be 3698.84 with the associated significance level of 0.00000. Although this test is based is on the assumption that data is a sample from a multivariate normal population, the value of the test statistic is large enough to overcome the lack of normality. Therefore, the hypothesis that the population correlation matrix is an identity

was rejected.

The anti-image correlation (the negative of the partial correlation coefficient) supported the feasibility of using factor analysis. The overall Kaiser-Meyer-Olkin measure of sampling adequacy was found to be quite large 0.86369, meritorious, as defined by Kaiser (1974). In addition to the large value of the overall measure of sampling adequacy, all of the individual measures of sampling adequacy were more than .76, suggesting a strong support for the application of factor analysis for the data.

D. Statistical Results

The method of Principal Components extracted 6 factors accounting 70.6% of the total variance as shown below. The remaining seventh factor accounted just for 29.4% of the total variance. See Table 1 for details about the factors, eigenvalues, and other related data.

Insert Table 1 about here

Varimax rotation of factors revealed the following factors and their representative variables as shown below in Table 2.

Insert Table 2 about here

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Discussion of Results

Since Factor 1 captured the highest percentage of total variation (38.3%) one can conclude that perceived deprivation/ alienation is of the most concern. These findings are consistent with some previous studies. Bois's (1956) observations made about perceived discrimination almost four decades ago seem to still hold true that "probably relatively few foreign students have had personal experiences with the cruder varieties of racial discrimination. More suffer from difficulties of strangeness... sensitive students may interpret social distance as racial discrimination." (p. 47). The process of alienation is double fold. First, the natural response of foreign students during the acculturative process is to seek out other co-nationals for their primary support and not to make any special efforts to reach out Americans. On the other side, American students being complacent with their situation don't feel the need to go out of the way to socialize with the foreign students. Unfortunately both foreign and native students dwell on what Pedersen (1991) calls " superficial pleasantaries". The end result is sense of alienation which is far more severe among foreign students than others (Schram & Lauver, 1988). Three major elements of alienation, feelings of powerlessness, meaninglessness, and social estrangement as defined by Burbach (1972) are very characteristic of foreign students' perceived sense of alienation.

The second major factor was found to be loneliness which contributed 9.0 % to the total variance. This sense of loneliness is caused by homesickness, missing the significant others in the native country, and sense of being lost in the unfamiliar surroundings, and most of all due to the loss of emotional and social support. It seems to us that Siegel (1991) has captured the very essence of loneliness problem of foreign students in the words of a student from India who said: "An international student is a sapling or a tree, depending on his age, but his roots are still there in his home country" (p.75).

Third factor which contributed 7.2% to the total variance, named hate in this study, seems to be unique in the existing counseling psychology literature on international students. The participants reported strong negative feelings toward host nationals in response to their culturally biased verbal and nonverbal communications, and actual derogatory behaviors. The fourth factor, fear, contributing 6.1% to the total variance was also found unusual in the literature on foreign students. This fear seems to be related to the perceived sense of insecurity in unfamiliar surroundings, perceived sense of racial discrimination, sense of inferiority, and off and on hostile relations between foreign students' native country (e.g. Iran, Iraq, etc.) and the United States.

The fifth factor, stress due to change, is the most researched topic in the literature of foreign students (Bochner,1972,

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Alexander, Workneh, Klein, & Miller, 1976; Padilla, Alvarez, & Lindhom, 1986; Mena, Padilla, & Maldonado, 1987). Most of the stress is caused by multiple pressures which are placed upon the international students because of migration to a strange land. We are in full agreement with the statement that " foreign students are a high risk group, under considerable stress, this stress is more likely to be experienced in the form of physical complaints than psychological complaints" (Alexander et.al, 1976, p.87). It may be noted, however, that in our study, variance due to this factor contributed only 3.2 percent.

Last factor, guilt, that contributed 3.1 percent to the total variance, like other two factors of hate and fear in this study, was also found to be very unique. Adjusting to other host culture meant betrayal to the native culture for many foreign students. Adopting hosting cultures' values was perceived being not sincere to their own culture by these participants. The international students seem to be in "double bind", caught in between the old values of their native culture which they cherish, and new values of the host culture, which they are pressured to adopt or adapt in order to survive.

Implications for Counseling and Psychotherapy

Based on the general review of the literature and empirical findings of our own research, the following recommendations are

made for the university foreign student directors, advisors, and counselors to help this at-risk population more effectively:

<u>Proactive Approach</u> In traditional delivery systems, mostly counseling services are provided upon request, in sort of a reactive way. In case of international students who are clearly expected to " adjust to massive environmental, sociological and psychological change" (Day & Hajj, 1986, p.353), it is extremely urgent that mental health professionals take a proactive approach. It is suggested that counseling services are pre-planned, well structured, and are offered on the regular basis. The sensitization or desensitization of foreign students about forthcoming problematic situations can be very useful to equip these students in advance with the necessary coping skills and practical advice. Several authors (Althen, 1983; Brislin & Pederson, 1976; Lock & Valesco, 1987) also point that prevention of problems through such methods can be lot more cost effective than handling the actual crisis through traditional "after-the-fact" techniques.

<u>Continuous and Comprehensive Approach:</u>

In line with the proactive approach, it is important that guidance and counseling services for international students are offered on the continuous basis, not like making one or two times contacts or orientation presentations and then forget for ever. We concur with Pedersen (1991) that " orientation is a continuous process requiring contact with students before they arrive, during they

stay, and after they have returned home, as the student experiences a continuous process of adjustment" (p.44). Moreover, to make these orientation programs effective, it is imperative that they are comprehensive in nature which must involve international students, their instructors, advisors and counselors, if possible even U.S. students (Mestenhauser, Marty, & Stelitz, 1988). The purpose of making these programs comprehensive is naturally to enhance intercultural understanding, develop social networks, and gain insight in the unique concerns and problems of international students.

Alternative Approaches

Like most of the other minorities in America, international students "do not have a history of seeking out professional counselors or openly sharing their feelings with strangers (Romero, 1981, p. 385). Since most of the international students are from underdeveloped or developing countries where such professional counseling services are not practiced or not normally available; it is likely that many international students are just not aware of the counseling services to avail themselves. Under these circumstances, it is important that the counselors take initiative to find out if a foreign student needs any help. Pedersen (1991) presents an alternative scenario of providing counseling services to foreign students:

> Counseling international students frequently occurs in an informal setting, such as hallways, home, or street corner, and frequently depends on an informal method, such as presentation, discussion, or daily encounter, which might not be perceived as counseling according to standardized models.
> (pp. 28-29)

The professionals working with foreign students must find alterna-
tive ways to help their clients.   Traditional methods where a
client might, "make appointment in advance to see the counselor in
her office, readily start sharing his personal problems, pay the
fees, make another appointment, and get on his way" simply does not
work in case of foreign students. Above all, "our admonitions to
urge international students to adjust should go one step further on
our part to make conscious efforts to accommodate them through
changing situations, and not so much changing them as persons"
(Sandhu, in press).

Encourage Involvement Why do foreign students feel alienated?
Perhaps every foreign student has a unique personal reason for
that.   But one main reason seems to be the under-utilization of
their knowledge and skills in academic and nonacademic activities.
Mestenhauser (1983) argues that with all rich resources for
international education which can be used very conveniently and in
a cost-effective manner, international students typically remain
as learners on campuses of the most universities and colleges. The
active role as teachers where they can make some unique and
worthwhile contributions is mostly denied.   "You are here to learn
but not to teach" or indirectly "there is nothing much you've got
to offer"; such unspoken messages serve not only the painful blows
to the ego of the international students but also discourage their
participation.   It is important that some serious efforts are made
to incorporate the unique contributions of these students in both

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curricular and co-curricular activities.

Human Relation Training Programs and Buddy System

Differences in customs, cultures, and languages are the roadblocks
to mutual understanding and friendships. There is a dire necessity
of conducting cross-cultural human relations training programs to
"impart sensitivity to others, reducing prejudice and inducing
respect, even toward those foreign cultural values and practices
that make little sense" (Brislin & Pedersen, 1976, p.5). To help
foreign students combat loneliness, it is imperative that a social
network is developed through a planned buddy system including both
national and international students. For deeper appreciation and
involvement, it would be useful to encourage the participants reach
out others beyond their own co-nationals.

The underlying purpose of the human relations program is to help
international students feel connected and at-home in the United
States.

Empowerment through Communication Workshops

A large number of international students come from countries
where English is not a spoken language. As demonstrated through
passing scores on Test of English as a Second Language (TOEFL),
these students do show proficiency in written and comprehension
components.   But these students face a tremendous number of
difficulties when they have to communicate orally. Most of these
difficulties are due to differences in accent, enunciations, slang,
and use of special American English words. Moreover, translation
and retranslation back and forth from English and native language,

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also slow down the normal communication processes. The major difficulty, however, lies in the lack of these students' practice of using English in their daily lives.

It would certainly help if professors and peers of international students are sensitive to their special language needs. To facilitate communication, it would be useful if written English is used more frequently until foreign students become accustomed to the oral communication processes. For example, an instructor who is sensitive to the oral communication difficulties of the international students, may give more written class notes and assignments and make a special provision to ascertain that foreign students have understood the subject matter covered in the class.

The administrative staff working with the international students, may also consider mini-communication workshops on the campus as a part of their continuous orientation programs. In these workshops, foreign students may become familiar with the use of colloquial English, commonly used slang words, social and cultural mores of American society to communicate effectively both in the academic and non-academic world.

References

Alexander, A.A., Workneh, F., Klein, M. H. & Miller, M.H. (1976).
Psychotherapy and the foreign student. In P. Pedersen, W.J.
Lonner, & J.G. Draguns (Eds.). Counseling across cultures
(pp. 82-97). Honolulu: University of Hawaii Press.

Althen, G. (1983). The handbook of foreign student advising.
Vershire, VT: Intercultural Press.

Anderson, T.R., & Myer, T. E. (1985). Presenting problems,
counselor contacts, and "no shows": International and American
colleges students. Journal of College Student Personnel, 26,
500-503.

Babiker, F.E., Cox, J.L., & Miller, M.C. (1980). The measurement
of cultural distance and its relationship to medical
consultations, symptomatology and examination performance of
overseas students at Edinburg University. Social Psychiatry, 15,
109-116.

Bochner, S. (1972). Problems in culture learning. In S. Bochner &
P. Wicks (Eds.). Overseas students in Australia. Auburn: New
South Wales University Press

Bois, C.D. (1956). Foreign students and higher education in
the United States. Washington, DC: American Council on
Education.

Brislin, R.S., & Pedersen, P.B. (1976). Cross cultural orientation
programs. New York: Gardener.

Burbach, H.J. (1972). The development of contextual measure of
alienation. Pacific Sociological Review, 15, 225-234.

Church, A.T. (1982). Sojourner adjustment. Psychological Bulletin,
91, 540-572.

Day, R.C., & Hajj, F.M. (1986). Delivering counseling services to
international students: The experience of the American
University of Beirut. Journal of College Student Personnel, 7,
353-357.

Dillard, J.M., & Chisolm, G.B.(1983). Counseling the international
students in a multicultural context. Journal of College Student
Personnel, 24, 101-105.

Fasheh, M. (1984). Foreign students in the United States: An
enriching experience or a wasteful one? Contemporary
Educational Psychology, 9, 313-320.

Heikinheimo, P.S., & Shute, J.C.M. (1986). The adaptation of foreign students: Student views and institutional implications. Journal of College Student Personnel, 9, 399-406.

Hull, F, W. (1987). Counseling and therapy with the nonimmigrant in the educational environment. In P. Pedersen (Ed.), Handbook of cross-cultural counseling and therapy (pp.307-313). New York: Praeger.

Kaiser, H. (1974). An index of factorial simplicity. Psychometrika, 39 (1), 31-36.

Klineberg, O., & Hull, W.F. IV. (1979). At a foreign university:An international study of adaptation and coping. New York: Praeger.

Locke, D.C., & Valesco, J. (1987). Hospitality begins with the invitation: Counseling foreign students. Journal of Multi-cultural Counseling and Development, 15(3), 115-119.

Mena, F., Padilla, A.,& Maldonado, M. (1987). Acculturative stress and specific coping strategies among immigrant and later generation college students. Hispanic Journal of Behavioral Sciences , 9, 207-225.

Mestenhauser, J.A. (1983). Learning from sojourners. In D. Landis & R.W. Brislin (Eds.). Handbook of intercultural training (Vol. 2, pp. 153-185). New York: Pergamon.

Mestenhauser, J.A., Marty, G.,& Steglitz, I. (1988). Culture learning and the disciplines: Theory and practice in cross-cultural orientation. Washington, DC:NAFSA

Naditch, M.P., & Morrissey, R. F. (1976). Role stress, personality and psychopathology in a group of immigrant adolescents. Journal of Abnormal Psychology , 85, 113-118.

Owie, I. (1982). Social alienation among foreign students. College Student Journal. 16, 163-165.

Padilla, A.M., Alvarez, M., & Lindholm, K. J. (1986). Generational status and personality factors as predictors of stress in students. Hispanic Journal of Behavioral Sciences, 8 (3), 275-288.

Pedersen, P.B. (1988). A handbook for developing multicultural awareness. Alexandria, VA: American Association for Counseling Development.

Pedersen, P. B. (1989). The effect of secrecy on the international educational exchange of scientific knowledge. International Journal of Intercultural Relations, 13, 485-499.

Pedersen, P.B. (1991). Counseling international students. The Counseling Psychologist, 19 (1), 10-58.

Romero, M. (1981). Multicultural reality: The pain of growth. The Personnel and Guidance Journal, 59, 384-386.

Sandhu, D. S. (in press). Human rights needs and concerns of international students. The Guidepost, Alexandria, VA: American Counseling Association.

Schram, J.L., & Lauver, P.J. (1988). Alienation in international students. Journal of College Student Development, 29, 146-150.

Siegel, C. (1991). Counseling international students: A clinician's comments. The Counseling Psychologist, 19 (1), 72-75.

Spradley, J.P., & Phillips, M. (1972). Culture and stress: A quantitative analysis. American Anthropologist, 74, 518-529.

Vega, W.A., Kolody, B., & Valle, J.R. (1988). Migration and mental health: An empirical test of depression risk factors among immigrant Mexican women. International Migration Review, 21 (3), 512-528.

Ward, L. (1967). Some observations on the underlying dynamics of conflict in a foreign student. Journal of the American College Health Association, 10, 430-440.

Zikopoulos, M. (Ed.). (1991). Open doors: 1990-1991 report on international educational exchange . New York: Institute of International Education.

Zwingman, C.A.A. (1978). Uprooting and related phenomena: A descriptive bibliotherapy (Doc. MNH/78.23). Geneva, Switzerland: World Health Organization.

TABLE 1

VARIABLE	COMMUNALITY	FACTOR	EIGENVALUE	% OF VAR	CUM %
MODM	0.69983	1	13.77960	38.3	38.3
ITDS	0.58042	2	3.24114	9.0	47.3
OBTM	0.73732	3	2.60349	7.2	54.5
IDWD	0.78948	4	2.19702	6.1	60.6
ISPT	0.73618	5	1.33285	3.7	64.3
GBMP	0.75179	6	1.15562	3.2	67.5
HMPD	0.58607	7	1.11206	3.1	70.6
IMPO	0.73349				
IPEA	0.68051				
FUAE	0.68999				
FLLR	0.83284				
HMCB	0.84402				
MPAM	0.77328				
FSUS	0.79566				
FGSP	0.75765				
HPCI	0.60677				
MTDR	0.77415				
MTDC	0.76544				
SSLB	0.72238				
FBPC	0.68355				
WAFC	0.63432				
IRPP	0.70397				
HPHN	0.80673				
HPHV	0.84493				
HPHA	0.80483				
HPUV	0.44267				
HPSV	0.57313				
HPJV	0.73110				
LBCB	0.76691				
DOBC	0.61215				
DSPS	0.63029				
NCWO	0.48414				
DTAP	0.67861				
KLPF	0.81103				
WSMC	0.68277				
CFRH	0.67339				

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TABLE 2

The factors of discriminations were clearly recognized as a result
of these factor analyses. The fator analysis resulted in 6 different
factors as given below.

1. Deprivation/Alienation

Many opportunities are denied to me (MODM)
I am treated differently in social situations (ITDS)
Others are biased toward me (OBTM)
I suffer from prejudice and un equal treatment (ISPT)
I am denied what I deserve (IDWD)
It hurts to see my people are discriminated (HMPD)
Get mad if I am treated differently for my race (MTDR)
Get mad if I am treated differently for my color (MTDC)

2. Loneliness

I feel lost leaving my relatives behind(FLLR)
Homesickness for my country bothers me (HMCB)
Feel sad living in these unfamiliar surroundings (FSUS)
I miss the people and country of my origin (IMPO)

3. Hate

Hurts if people show hatred toward me nonverbal(HPHN)
Hurts when people show hatred toward me verbally (HPHV)
Hurts when people show hatred toward me by action(HPHA)
Hurts if people are sarcastic to my cultural values(HPSV)
Hurts if people Joke about my cultural values(HPJV)

4. Fear

I worry for my safety because of my culture (WSMC)
Will keep low profile for fear of others (KLPF)
Discouraged to try anything ..... (DTAP)
I have to relocate from place to place (IRPP)

5. Stress Due To Change

Feel uncomfortable to adjust to new eating habits(FUAE)
Multiple pressures are put on me after migration (MPAM)
Feel I betray my people when I adopt new culture (FBPC)

6. Guilt

Feel guilty because I am better off than my people(GBMP)
Makes me feel guilty for not being sincere person(FGSP)