THE IMPACT OF PARENTAL DEATH DURING ADOLESCENCE 
ON SEPARATION-INDIVIDUATION PROCESS

by

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ABSTRACT

Whether or not major changes in family structure during adolescence have positive or negative consequences for adolescents has not been empirically investigated to any extent. The separation-individuation process is considered to be facilitated when adolescents can express themselves in a family context characterized by emotional connectedness (Grotevant & Cooper, 1986). This individuation process is not concerned exclusively with separation or autonomy but rather with the continuing embeddedness of the individual in relationships with others (Karpel, 1976; Youniss, 1983).

The impact of parental death on the process of separation-individuation in adolescence was examined in this study. Thirty male and female adolescents, ages 12 to 16 years, from families in which the father had died participated in this study. They were compared with thirty adolescents of comparable age from intact families. The adolescents completed instruments that provided information about development of autonomy (Emotional Autonomy Scale), attachment to mother, father and peers (Inventory of Parent and Peer Attachment), and adolescents' perception of family functioning (Family Functioning in Adolescence Questionnaire).

Adolescents from the father-deceased group are more autonomous than the intact group in some of the scales. Males from the father-
deceased group scored significantly higher than males from the intact group on the emotional autonomy subscales. Adolescents in the father-deceased families showed similar attachment to fathers and mothers when compared with adolescents from intact families. Adolescents' perceptions of their family functioning showed similar results for both the father-deceased and intact groups with adolescents who scored high in family functioning being less autonomous. Similarly, adolescents from the father-deceased group who were more attached to mothers showed less autonomy according to their scores on the Emotional Autonomy Scale. Adolescents' attachment to peers was unrelated to their level of autonomy.

Examiners:

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DEDICATION

I would like to dedicate this research study to two individuals who had an impact on my study:

Peter McClung  Born: May 7, 1942
Died: February 1, 1993

Kaycee Poirier  Born: January 27, 1980
Died: March 19, 1992

Both Peter and Kaycee died of cancer. Peter was a "father" of two girls: Julie and Karen and Kaycee was a "child" who left behind a mother, father and two older sisters. Peter was told that I would be dedicating my dissertation to him before he died. His first comment after hearing this was "be sure that you spell my last name right". Kaycee was also told that I was dedicating my dissertation to her before she died.

Peter was a man who loved his family, his friends, his work and his leisure time. His favorite pastimes were scuba diving, wood carving his whales, travelling to far off places and his trips back to Regina, Saskatchewan. He loved the ocean, the prairies and Vancouver Island. Peter was a consummate support of my research. He encouraged me, believed in me, cajoled me into getting it done and he frequently praised my accomplishments. He was a "good friend". Kaycee was a
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Chapter One

Our relationships with others help us navigate the passages of life... We really cannot become separate and autonomous unless we have a solid developmental foundation, which is built through our connections and attachments (Ivey, 1991, p.2).

Connection is as vital as separation. To survive, we must be simultaneously attached to others but also separate.... As we move to the developmental tasks of autonomy and identity, we must define our separate boundaries from our family and others (Ivey, 1991, p.158).

A study of the factors that influence adolescents' adjustment to significant loss must also involve the developmental issues that adolescents face. Changes in the family structure have a significant effect on the developmental process of adolescence. The developmental tasks of adolescence are successfully accomplished within the context of a supportive and understanding environment. When the circumstances are such that the context is altered or is in a state of transition, adolescents may experience difficulties in making the necessary developmental tasks (Sessa & Steinberg, 1991).

An important aspect of adolescent development in the context of the present research project is the transformation in the reciprocal patterning of the parent-child relationship in contrast to breaking the bond between parent and child (Hill & Steinberg, 1976; Youniss, 1983). The parent-child relationship is
"typical" under usual family conditions (intact families). The relationship between adolescents and parents is seen as an enduring bond that continues throughout the life span (Youniss, 1983); a relationship which undergoes significant transformation during adolescence and young adulthood (Hill & Steinberg, 1976; White et al., 1983) as it is renegotiated from patterns of relatively unilateral authority towards mutuality (Youniss, 1983). These researchers have emphasized the significance of the continuing interplay between individuality and connectedness in family relationships as being important indicators of individual and family functioning.

When both parents are available the process of individuation during adolescence has been characterized in terms of autonomy, independence and detachment from family members (Grotevant & Cooper, 1983). Detachment is typically viewed as an inevitable aspect of adolescent development with both positive and negative connotations. It may represent a necessary step toward independence or autonomy; it may set the stage for self-reliance. Yet, detachment can also represent loss and separation, wherein a relatively dependent person is severed from a source of guidance, affection, or

Hill & Holmbeck (1986) argue that closeness with parents should be positively related to indices of autonomy and that the use of the term detachment as a general descriptor of parent-child relationships ignores the normative closeness of these relationships. Ryan & Lynch (1989) define detachment as an absence of the experience of attachment or cohesion between parent and child. Facilitative parent-adolescent relationships are characterized by a secure attachment, which will typically be accompanied by experiencing acceptance and support for developmental tasks such as the separation-individuation process. The individuation process is not concerned exclusively with separation or autonomy but rather with the continuing embeddedness of the individual in relationships with others (Karpel, 1976; Youniss, 1983).

Growth in independence and autonomy does not mean that adolescents must sever emotional ties with parents or move away from their parents' emotional support. Rather, this growth requires that parental support for the developmental tasks of adolescence continue within a context of family cohesion and love. It is attachment rather than detachment that optimizes individuation
and the capacities for relatedness to self and others during adolescence (Ryan & Lynch, 1989). A current psychological view (Bretherton, 1987; Ryan & Lynch, 1989) is that the separation-individuation process during adolescence is facilitated by attachment not by detachment. The maintenance of the parent-adolescent relationship permits optimal autonomy through the context of emotional support.

Emotional autonomy is not something that happens from parents but rather with them (Ryan & Lynch, 1989). Lamborn and Steinberg (1990) indicated that there is little research on the relation between emotional autonomy and adolescent adjustment. Emotional autonomy is viewed as an important aspect of individuation (Douvan & Adelson, 1966; Blos, 1979). Because emotional autonomy is a relational construct, it is difficult to assess its significance and qualities without making reference to the object from whom the adolescent is becoming autonomous. Steinberg & Silverberg (1986) concluded that young people move through a transitional period in the progression to true self-reliance. Initially, young adolescents gain a sense of emotional autonomy from their parents that leaves them susceptible to peer pressure. "Only after this transitional period,
in which adolescents are easily influenced by peers who substitute the missing support from parents, do adolescents stand more solidly on their own opinions and decisions...." (Lamborn & Steinberg, 1990, p.4). In essence, the outcomes of the process of individuation depend in large measure on transformation in the nature of the parent-adolescent relationship (Lamborn & Steinberg, 1990).

Since one of the developmental tasks of adolescence is forging an identity separate from parents, the death of a parent not only alters the family unity as a whole but also influences the normal adolescent developmental process. Raphael (1983) considers parental death "likely to be the greatest loss for the adolescent, especially in the earlier years when he/she has not completed the separation" (p.145). The permanent loss of the parental relationship may interfere with the "typical" separation-individuation process.

The impact of father death on adolescents' developmental process raises the possibility of autonomy being interfered with because detachment occurs prematurely. A recent study conducted by Blain, Thompson and Whiffen (1993) suggests that in order for adolescents to appropriately separate and individuate
from their families, they must have a secure base, and solid relationships with their parents. Even though adolescents may exhibit behavioural indications of individuation, affectively they are unable to negotiate the developmental task of individuating (Blain et al, 1993). Of particular interest in the present study was the impact of parental death during adolescence on the separation-individuation process for individuals from father-deceased families.
Chapter Two

Literature Review

An understanding of the separation-individuation process, the issues that influence normal adolescent development, the impact of significant alterations in the family context, and the quality of adolescents' relationships with mother, father and peers formed the basis for this research study.

Normal adolescent development involves learning to be psychologically independent of one's parents, developing relationships outside the family unit, and seeking one's own identity. These achievements cannot be accomplished if adolescents continue childhood-like attachments to parents nor can they be achieved by becoming totally disconnected from the family. The transition to mature self-reliance is a process known as separation-individuation. Becoming an autonomous individual is not mutually exclusive with maintaining an interdependent relation with one's parents. They are complementary processes and part of normal family growth and development during adolescence (Kimmel & Weiner, 1985).
Separation-Individuation Process

Many adolescents face the process of separation-individuation with great ambivalence. They vacillate between the desire for independence and the security afforded by childhood. They are neither adults nor children (Kimmel & Weiner, 1985). The concept of separation-individuation can be viewed as being on a continuum that tends to oscillate between being a child and being an adult. Successful separation-individuation means that the adolescent has a sense of self and still remains connected to the family. In contrast, an unsuccessful process means that the adolescent is alienated and is characterized by disruptive behaviours, a rejection of societal and family norms, and potential suicide. Alienated adolescents have separated not only from society and family, but from themselves. They have not completed individuation (Daniels, 1990: pp.106-107).

Individuation is conceived as a developmental process involving an individual’s successive and progressive negotiation of the balance between separateness and connectedness in relationship to the family of origin (Cohler & Geyer, 1982; Grotevant & Cooper, 1986; Mahler, Pine & Bergman, 1975; Meyer, 1980; Staff, 1973). During adolescence a shift in the level
of interconnectedness with the family is necessary in order for the adolescent to begin the task of assuming adult roles and responsibilities (Blos, 1967). The relative success of the renegotiation of these parent and child positions is hypothesized to be related to adolescent personal adjustment (Sabatelli & Allison, 1988; Cooper, Grotevant & Condon, 1983). Alterations in the family context may result in some disruptions that have an impact on adolescent development. Bartle, Anderson & Sabatelli (1989) assumed that individuation and parenting style were affected by such disruptions in the family as divorce or death. When examining the mediators of adolescent development and their adaptations, they emphasized that future research should involve a more careful examination of the interdependence between the sex of the child, the parenting style of each parent, and adolescent individuation.

Bloom (1980) considers that the single most significant feature in determining whether the separation process will be destructively conflicting or constructive is whether the adolescent feels secure concerning parents' regard for him or her. Since strong feelings such as ambivalence, anger and guilt are always
a part of separation where rejection is seen as likely, separation is seen as dangerous. If the parents are rejecting, then the introjection and identification process includes self-rejection. Offer & Offer (1975) found that adolescents who experienced a separation from a significant other in childhood were more likely to experience difficulty when separating from their parents. In contrast, those adolescents who experienced the separation process most comfortably had not experienced traumatic separation in their past. They had separation experiences that corresponded to their stage of development such as going to camp, going to school and outings with peers.

Masterson (1972) observed that those parents who were themselves rejected or who had poor experiences in separating from their parents expected a similar circumstance with their own adolescent children. To protect themselves from this expected rejection, these parents would often reject their children at the first signs of independence.

Bloom (1980) listed the following variables as being important to the adolescent-parental separation process: (a) the readiness of the individual for independence, (b) cognitive influences and the emergence
of formal operational thinking during adolescence, (c) the nature of the parent-child relationship, (d) past experiences of the parents and the adolescent in separation, and (e) the cultural influences on the separation process.

The recurring themes in separation studies are (a) the initial response to separation is an attempt to reattach and a feeling of being injured, (b) a general sense of identity diffusion, and (c) an apathetic attitude toward new relationships until the bereavement period is at least somewhat resolved.

When reattachment attempts fail, the individual must grapple with the reality of the loss. This is done by alternately embracing memories of the lost object and feeling overwhelmed by these feelings and avoiding the memories. When the loss is intellectually accepted, the issue becomes one of coming to terms with it on an emotional level. This often involves feelings of depression and despair. When the affect has been confronted, the person, by the process of identification and internalization of his or her most important qualities, gives up the attachment. A symbiotic relationship is the most difficult from which to withdraw.
Adolescent-parental separation is a natural part of the life cycle. It is initiated by development in capabilities for self-sufficiency, cognition and the desire for independence. It is encouraged by the culture, especially the peer group that shares in the experience. This separation is also different in that it is not the complete disengagement of the relationship, but is a change from child-parent relationship to a more equal or symmetrical adult-to-adult relationship. In order to make this change, many needs that were previously fulfilled by the parent-child relationship must be withdrawn before other ways of relating can be established. In essence, certain expectations, ways of responding and fulfillments must die. The powerful parent-child relationship so necessary to child development must now die in order to allow the young adult to pursue independently his or her future.

Facing the death of the parent-child relationship is a bereavement process which includes essentially the same major tasks faced by all those who grieve. This process can be a mild response or a powerful overwhelming one; it can be a developmental experience or a constricting one. Further understanding of the
parent-child relationship and the separation process involves exploring the variables that may have an impact on the bereavement process (Bloom, 1980, pp.22-23). The variables that affect the grieving process during separation-individuation are control of the impulse to remain attached; cognitive realization of the separation-individuation process; affective response to the separation-individuation process and the need to make sense of this process; identification of the important gratifications that the parent-child relationship provides and provisions of these gratifications for themselves; a new identity and a new relationship with their parents and others.

Essential to understanding individuation is the notion that it is a process. Individuation has been defined by Karpel (1976) as:

the process by which a person becomes increasingly differentiated from a past or present relational context. This process encompasses a multitude of intrapsychic and interpersonal changes that share a common direction (p.66).

The individuation process is therefore not concerned
exclusively with separation or autonomy but rather with the continuing embeddedness of the individual in relationships with others (Karpel, 1976; Youniss, 1983). Conceiving of the individuation process as an extension of family development requires that the family be analyzed as a significant codeterminant of individual development (Sabatelli & Allison, 1988; Hill & Matessich, 1979; Hooper & Hooper, 1985). A recent body of research considered the nature of parent-child interactions in relationship to adolescent individuation (Bell & Bell, 1982; Grotevant & Cooper, 1985; Hauser et al, 1984; White, Speisman & Costas, 1983). These studies suggest that there is a need to examine the interrelationships among family dynamics, individuation and psychosocial development.

Impact of Family Relationships on Adolescents’ Development

Relationships may be altered or at least redefined during important transitions since they are an essential aspect of self-definitions (Hartup, 1987; Hinde, 1979, 1989). Since individuals facing an important life event or experiencing a life transition are embedded in relational systems. The dynamic interactions between personal development and the changing ecology of human
life have been illustrated most extensively in respect to the family. The study of dynamic person-context relations has been extended into adolescence and involves the consideration of the interrelations of the family, peer and school contexts. The family is a dynamic context, one wherein a child is both transformer and the transformed. The family is a system of developing individuals. As the child moves through adolescence, family members are faced with the task of changing their relationship in ways that reflect increasing symmetry in their contributions to the relationship. This relationship is an enduring bond that continues throughout the life span (Youniss, 1983) but undergoes transformations in adolescence and young adulthood (Hill & Steinberg, 1976; White et al., 1983) as it is renegotiated from patterns or relatively unilateral authority towards mutuality (Youniss, 1983).

The quality of family relationships continues to be a major factor contributing to the development of competence in adolescence. Although parents continue to monitor, guide and evaluate them, young adolescents are also beginning to seek peer-like relationships with their parents (Hill, 1980; Youniss, 1980). As well,
they are seeking peer relationships which serve as an external reference that allows them to see how they are similar and different from others. Adolescence is a "second individuation" process (Blos, 1979) in which the adolescent must seek new attachments outside the family environment.

Emerging formal operational thinking allows the adolescent to reflect upon the question of existing family norms and practices (Elkind, 1967). From a relational point of view, Youniss (1980) presented evidence that early adolescents are first becoming aware of the two social-normative worlds in which they simultaneously participate: (a) their cooperative relationships with peers, (b) the more unilateral relationships with their parents. A critical task of adolescence is to achieve an integration of these two discrepant worlds into a system of personal values (Emmerich et al, 1971) and to attain the capacity to participate in adult relations both within and outside the family (White et al, 1983; Youniss, 1980).

Previous research has tended to focus on the factors that influence adolescent development and the separation-individuation process. Only a limited portion of this research has examined the influence of
family structure on this process. Changes in the family structure such as divorce, separation and death may have implications for future adaptation of adolescents to their new living arrangements and their successful completion of the separation-individuation process. Emery (1982) explored the relationship of marital turmoil to behavioral problems of children. Emery concluded that parental conflict was detrimental to the adolescent development process irrespective of whether the adolescent lives in an intact or divorced household. Therefore, parental conflict in a father-deceased household may be an additional factor leading to premature and unhealthy adolescent separation-individuation.

Several writers (Blos, 1967; Steinberg, 1990) have suggested that apparent disturbances in relationships may serve the positive function of facilitating adolescents' independence and diminishing dependence on parents. In the process of the attainment of independence, parents are expected to be aware of the adolescents' individuation in order to enable them to separate yet still ensure the confidence that they can turn to their parents in time of need (Grotevant & Cooper, 1986). A study by Shulman & Klein (1982)
indicated that family patterns that lacked closeness or support for adolescents’ independent strivings were common in a sample of maladjusted 12 to 18 year olds. Family interaction patterns that foster both individuation and connectedness in relationships have been found to be associated with adolescents’ improved status on measures of identity exploration, role-taking skills and ego development (Grotevant & Cooper, 1985, 1986; Hauser et al, 1984). During late adolescence the perceptions of a low level of parental acceptance may be less salient, because the late adolescent may have established support relationships outside the family which will serve further development (Johnson et al, 1991).

Johnson et al (1991) posed a significant question as to whether or not incongruent parenting patterns between mothers and fathers affect psychosocial development in adolescence. These differences in parenting patterns may create dysfunctional systemic characteristics that can impair psychosocial development. These parenting patterns were often linked to psychosocial outcomes in the areas of self-esteem, school adaptation and school achievements. These results are consistent with other findings indicating
that a combination of acceptance and the structure of the family system provides the most supportive environment for psychosocial development (Shulman, Seifge-Krenke & Samet, 1987; Hill, 1987). Hetherington, Cox & Cox (1982) discussed the impact of the presence of a more stable parent, in contrast to an emotionally unstable or incompetent parent, on the developing adolescent.

The influence of family structure on the development of autonomy during adolescence was examined by Sessa & Steinberg (1991). They proposed that changes in family structure which occur prior to adolescence may affect the development of autonomy during adolescence in two ways: (a) they trigger the autonomy process; and (b) they can transform the context in which the developmental tasks of adolescence take place. Adjustment to the loss of a parent as a result of divorce, or the addition of a parent through remarriage, creates newly aligned family relations that differ from those in intact, two-parent families. Consequently, according to Sessa & Steinberg the development of autonomy and the related transformations in parent-adolescent relationships in restructured families may follow a different direction than in intact families.
Previous research which focused on children's adjustment to familial change led to inferences about negative effects on children and adolescents (Ganony & Coleman, 1987; Hetherington et al, 1989). Sessa & Steinberg (1991) attempted to provide a theoretical foundation for understanding the influence of changes in family structure on the development of autonomy. They suggested that these alterations in the family structure modify the normative process of autonomy, though not necessarily in an undesirable way.

Only one published study, that of Anderson, Hetherington & Clingempeel (1989) has specifically examined the relations between developmental transitions and family structure. In this study, the nature of the developmental transformations of early adolescent family relationships varied as a function of household composition. Development appeared to follow a different course in nontraditional homes than in traditional homes. The dynamics within the parent-adolescent dyads differed according to the gender of both the child or adolescent and parent, and according to the type of marital change.

Many of the most important issues inherent in family transitions involve the renegotiation of the
interpersonal relationships (Emery, 1988). This realignment of family relations is considered to be a hallmark of the development of autonomy (Steinberg, 1990).

In the process of redefining these family relationships, there are temporary disturbances in the parent-adolescent relationship (Collins, 1990; Hill, 1980; Steinberg, 1990). Both internal and external processes introduce the instability necessary for initiating or facilitating the developmental tasks of adolescence. The internal processes include changes within the adolescent such as intrapsychic, cognitive and biological changes; and the external processes include changes in the adolescent's environment such as interpersonal relationships, role responsibilities, family composition and financial stress. When the conflict created by these internal and external processes occurs within parent-adolescent relationships that are warm, emotionally accepting and supportive of independence and individuality, healthy autonomous development is promoted (Campbell, Adams & Dobson, 1984; Hill & Holmbeck, 1986; Steinberg, 1990).

The accumulation of multiple life changes greatly increases the disruption of psychological processes
(Hetherington, 1981) and the risk of psychiatric problems (Rutter, 1980). Divorce creates a highly chaotic, stressful environment in which multiple life changes are occurring (Emery, 1988). The intensity of the tension associated with changing perceptions of parents, increasing independence and self-reliance and renegotiating family relationships may be multiplied by marital change and can make the developmental process of separation-individuation a more difficult change. However, the co-occurrence of marital change and the challenges posed by the individuation process may not increase the intensity of this development task. It may act as a buffer from the conflict frequently associated with divorce (Hetherington & Anderson, 1987).

Individuation issues appear to be more difficult for girls than boys due to mothers' stronger identification with their daughters (Chodorow, 1978). Custodial mothers' identification with their daughters may be intensified by the socioemotional consequences of divorce, making adolescent separation and individuation more difficult. According to Wallerstein & Kelly (1980), divorced mothers' sense of isolation can lead them to seek support from and ally more closely with daughters.
Adolescents growing up in single-parent or step-family homes approach the developmental task of separation-individuation from different starting points than adolescents in intact homes (Bartle et al, 1989). Reconstructuring of roles and relationships which is associated with the development of autonomy may have taken place before adolescence as a result of these changes in family composition. The way in which this developmental process may occur is often influences by the absence of the biological father. As single-parent and step-family households become more prevalent, the importance of understanding how these developmental transitions are changed by restructured families increases. These instigating and transforming effects of marital change on the development of autonomy are a function of several factors, which include the adolescent's gender, the nature of the marital change, and the adolescent's stage of development at the time of the family's restructuring. Distinguishing between the instigating and transforming influences of marital change has implications for future research on marital change and emphasizes the importance of marital change on developmental processes instead of simply describing children's adjustment to marital disruption.
Parental Attachment and Loss Issues

Raphael (1983) considers parental death as being "the greatest loss for the adolescent, especially in the earlier years when he or she has not completed the separation" (p.145) process. The sudden separation of death, at a time when independence is being painfully and slowly achieved awakens tremendous conflicts for the adolescent. There is guilt for the previous separation and they may regress to more clinging behavior to make reparations and "save" the remaining parent. The ambivalent feelings toward the dead parent for their previous natural or exaggerated resistance to this separation may heighten their guilt and conflict. The remaining parent may increase resistance to further development of independence, binding the adolescent in ways he or she both enjoys and fears. This becomes most apparent in role expectations. Adolescents reactions to these role expectations sometimes are related to their inability to handle more responsibility, to be reluctant to relinquish their childhood too quickly or finally their tendency to avoid these expectations. Sometimes adolescents become irresponsible about life because they realize that their time to live may be shortened by a
Adolescents who perceive relationships with their parents as being secure and warm tend to exhibit higher self-esteem and greater emotional well-being (Armsden & Greenberg, 1987; Greenberg et al, 1984; Rosenberg, 1965). Emotional detachment from parents appears to be associated with greater feelings of parental rejection and a lessened sense of one's own lovability (Lamborn & Steinberg, 1990; Ryan & Lynch, 1989).

Little research has focused on attachment relations during early adolescence (Hill, 1980; Resnick, 1989). Grotevant & Cooper (1986) state that individuation is facilitated when adolescents feel free to express their own point of view in a family context characterized by emotional connectedness. Attachment theory may provide an integrative conceptual framework for the study of early-adolescent psychosocial development.

Not only has the reaction of adolescents to parental death received scant attention, but adolescence as a distinct developmental stage has been largely ignored in grief research. In addition, Fleming & Adolph (1986) concluded that there are major methodological problems with the few studies that have been published. They presented a model of adolescent
grief relating loss to the tasks and conflicts of normal adolescent development. Four of the methodological problems that exist in the few studies that have been done: (a) data are retrospective in nature (Balk, 1981); (b) research participants are drawn from clinical samples only (Seligman et al, 1974); (c) varying types of loss are not distinguished (Seligman et al, 1974); (d) highly subjective reports are used, typically accounts provided by adolescents mourning parents (Van Eerdewegh et al, 1982); and (e) control group data are not included (Balk, 1981).

The loss of a significant relationship during adolescence may interfere with the natural progression of intellectual-emotional-psychological "growing up". Changes that might normally be expected may be averted, avoided, or may not even take place. Such an arrest of developmental unfolding may put adolescents "on hold" in one phase, and thus inhibit the energy and skills necessary to meet subsequent phase-appropriate demands (Fleming & Adolph, 1986).

The developmental tasks of adolescence and the tasks of grief are similar, for both involve adapting to the loss of cherished objects (either an inner image or a person), both involve coping with changed inner and
external realities, and both mean that the adolescent will encounter the ambivalence and conflicts inherent to the phases of separation and loss (Sugar, 1968).

**Emotional Autonomy**

Autonomy is a multidimensional construct that is manifested in affective, behavioral and cognitive domains (Steinberg, 1987a). Affectively, the development of autonomy refers to the development of a sense of individuation, which often involves the process of parental de-idealization (Blos, 1967). Behaviorally, autonomy refers to the active, overt manifestations of independent functioning, including the regulation of one's own behavior and decision-making. Cognitively, autonomy is characterized by a sense of self-reliance, a belief that one has control over his or her life, and subjective feelings of being able to make decisions without excessive social validation (Greenberger, 1982, 1984; Greenberger & Sorenson, 1974).

These two features of autonomy, the internal and external processes and its multidimensional construct, suggest ways in which family structure can alter the nature of the development of autonomy. The changed context likely introduces different challenges for resolving the tension than those facing adolescents from
intact families (Sessa & Steinberg, 1991).

Divorce and remarriage of parents during early adolescence may precipitate the development of emotional and behavioral autonomy (Sessa & Steinberg, 1991). Whether this has positive or negative consequences for the adolescent is under debate because relatively little empirical investigation has been done in this area.

Two theories for understanding the process by which marital change influences the development of autonomy have been proposed by Sessa & Steinberg (1991): the development readiness hypothesis and the cumulation of life changes (Simmons & Blyth, 1987). The developmental readiness hypothesis states that precipitous entry into a new life stage can have negative consequences if an individual has not had enough time to prepare emotionally, cognitively, or physically for the challenges of that life stage. If divorce or remarriage initiates the individuation process before the adolescent is prepared to examine the issues salient to this process, the development of autonomy will be premature and the experience of age-appropriate activities of adolescence will be curtailed. From an Eriksonian perspective (Erikson, 1959, 1980), such precocious, precipitous development may prevent a child
from completing tasks of the latency period, leaving him or her ill-prepared to negotiate the challenges of later developmental tasks. When the early adolescent is prepared to meet demands of the individuation process, marital change may have a facilitative effect.

Hetherington (1985, 1988) found that mothers and sons experience increased tension and conflict after divorce perhaps because mothers may be less effective than fathers at monitoring and controlling their children's behavior. This level of tension could facilitate the transformations family relations necessary for the development of autonomy. Changes in family relations may create a situation in which early adolescents are confronted with inconsistent demands across the domains of autonomous functioning before they are developmentally ready to negotiate such incongruity.

Lamborn & Steinberg (1990) explored Ryan & Lynch's (1989) research in the area of emotional autonomy versus detachment. Steinberg & Silverberg (1986) defined emotional autonomy as being the process through which adolescents relinquish childish dependencies on, and conceptions of, their parents. Ryan & Lynch (1989) suggested that emotional autonomy is associated with negative family functioning and lower self-concept and
might be better conceptualized as detachment. In both
the Steinberg & Silverberg (1986) and Ryan & Lynch
(1989) studies, it was assumed that associations between
emotional autonomy and perceptions of family functioning
and adjustment are comparable among adolescents whose
family experiences differ in other respects. That is,
variations in family context were used to explain
variations in the degree to which emotional autonomy is
achieved, and not to explain variations in how emotional
autonomy may be linked to interpersonal functioning and
adjustment (Lamborn & Steinberg, 1990, pp.3-5).

In three studies, Ryan & Lynch (1989) showed that
the emotional detachment measure (EAS) was also related
to feelings of insecurity with parents, less utilization
of parents, parental acceptance, and less family
cohesion. Ryan & Lynch also described emotional
detachment as a psychological state associated with the
adolescent's view of the parental context as rejecting
and unsupportive (Turner et al, 1991).

Ryan & Lynch also held that emotional detachment is
a good index of failed attachments with parents either
before and during adolescence, or of problems in
negotiating the transition in parent-child relationships
that necessarily occur with the adolescent's maturation.
According to them, emotional detachment means that the adolescent is emotionally withdrawn from the family context; such distancing is not seen as a normal developmental process. A review by Hill & Holmbeck (1986) underline the need for a balance between attachment to parents and autonomy from parents during the adolescent years (Turner et al, 1991).

According to one of Ryan & Lynch's studies...
"parental divorce or separation was related to perceived lack of parental acceptance which in turn was related to emotional detachment from the parents. Further studies are needed on emotional detachment and the effects of changes in parents' marital status to determine whether or not a direct relationship exists..." (Turner et al, 1991, p.95).

Steinberg and Silverberg (1986) found that among ninth graders, twice as many girls (25%) as boys (12%) scored high in autonomy both with parents and peers. They accounted for these findings by exploring two possibilities: first, girls exhibit greater autonomy than boys because boys have trouble establishing autonomy in a genuine and real sense, or second, notions about sex differences in adolescent development need to be revised to coincide with the changes in women's
roles.

Recent research on identity development during adolescence points to similarities rather than differences in the ways in which males and females approach the task of self-definition (Adams & Fitch, 1982; Grotevant & Thorbecke, 1982). Girls' tendency towards self-reliance is related to both emotional autonomy and resistance to peer pressure. Girls describe themselves as self-reliant to their peers but less autonomous in relation to their parents. For boys, on the other hand, healthy self-reliance seems to develop out of family relations that are neither too close nor too distant.

Steinberg & Lamborn's (1990) study observed sex differences in emotional autonomy. They found that girls are more likely than boys to demonstrate emotional autonomy in relation to their peers. Their study extended the previous findings by suggesting that girls are more likely than boys to evidence high emotional autonomy in the context of a secure parent-adolescent relationship. These findings suggest that psychosocial development in adolescent girls may proceed along a faster timetable than among adolescent boys. As well, these findings call into question the conventional view
that the development of autonomy in particular is more advanced among boys than girls. The reverse appears to be true. The dynamics within the parent-adolescent dyads differ according to the gender of both the adolescent and parent, and according to the type of marital change that occurred e.g. intact to divorce, divorced to remarried (Wallerstein & Blakeslee, 1989).

Ryan & Lynch (1989) suggested that growth in independence and autonomy does not necessarily require severing emotional ties with parents or nonutilization of the emotional support parents give. Attachment, rather than detachment, was considered to optimize both individuation and the capacity for relatedness to self and others during adolescence and early adulthood. Steinberg & Lamborn's (1990) study showed that girls are more likely than boys to exhibit high emotional autonomy in the context of a secure parent-adolescent relationship, suggesting that such significant changes in family relationships as father death could have a direct influence on the development of adolescents' emotional autonomy.

Since further studies are needed to determine whether or not there is a relationship between the developmental task of emotional detachment and parents'
marital status, the following research questions were formulated to permit a study of the impact of changes in family composition, particularly parental death, on adolescents' separation-individuation process:

1. Are adolescents from father-deceased families more or less autonomous than adolescents from intact families?

2. Are adolescents from father-deceased families more or less attached to their mothers, fathers and peers than adolescents from intact families?

3. Are there similar patterns of development of emotional autonomy and attachment to mother and father for male and female adolescents in father-deceased and intact groups?

4. Is there a relationship between the development of emotional autonomy and the quality of the relationship with parents from father-deceased families and intact families?
For example, is there a relationship between the development of emotional autonomy and the quality of the relationship for male and female adolescents in both groups?

5. Is there a relationship between adolescents' emotional autonomy and their attachment to peers in father-deceased families and intact families?

For example, is there a relationship between adolescents' emotional autonomy and their attachment to peers for males and female adolescents in both groups?
Chapter Three

Methodology

This study focused on the impact of parental death on the process of separation-individuation in adolescence. Adolescents who were 12 to 16 years of age, were recruited from either intact and father-deceased families to be participants in this study. The participants in the intact group lived with both of their biological parents. The father-deceased group (12 males and 18 females) consisted of four adolescents age 12 years; two adolescents age 13 years; eleven adolescents age 14 years; seven adolescents age 15 years and six adolescents age 16 years. The intact group (7 males and 23 females) consisted of ten adolescents age 13 years; seven adolescents age 14 years; eleven adolescents age 15 years and two adolescents age 16 years. The mean age in each group was 14 years old.

Selection Of Participants

The father-deceased group was recruited from eight schools and two community programs, the "Living and Learning Through Loss" program operated by Shoreline Community School Association and Hospice Victoria.
The intact group was recruited from five of the schools and from the researcher's private practise.

Approval to recruit students from the school for this study was requested from the Superintendent of the Greater Victoria School District. A written response from the Superintendent confirmed the district's approval and support for this study. In addition, the researcher obtained approval from the administrators at individual schools where the study would be conducted. Seven of the ten principals gave approval to conduct the study in their schools. The reactions of the principals to this study were varied. Four of these principals were very willing to assist the researcher in any way that they could to insure that this study took place in their schools. Two of these four principals went beyond the expectations of the researcher to insure that their students were involved in this study. The staff members who were designated to assist the researcher in finding volunteers were exemplary in how they assisted the researcher. They tolerated interruptions in their class time, appeared very interested in the focus of the study and made particular mention that they would like to have an opportunity to see the results of this study. In contrast, other principals expressed concerns about the
nature of the research topic and were very hesitant to have their students participate in this study.

One of the main concerns about the topic was related to the possibility that it could result in some emotional reactions that the principals were hesitant to address. Even though one of the requirements of the Human Subject Committee was that the researcher had to provide counselling for any participants who experienced any initial or delayed reactions from participating in this study, two of the principals chose not to have their students be involved. A third principal gave approval for the study to be conducted and recommended that a staff member to work directly with the researcher to find participants for this study. The staff member informed the researcher that there were no students in the school who had experienced the death of a father. No opportunity was provided to recruit students for members of the intact group from this school.

During the data collection, the researcher kept a journal of the dates, times, the names of the participants and the events that occurred. The data collection began Tuesday, February 10, 1992 and concluded Monday, July 20, 1992. Numerous factors
resulted in the data collection extending into the summer holidays. Most of the data collection took place in the schools. However, 22 of the participants either had to or preferred to make arrangements to meet with the researcher in their homes (15 participants) or at the researcher's office (7 participants). In one of the schools some unavoidable interruptions resulted in the researcher having to return to that school more often than anticipated. These events included an intense aroma in the chemistry laboratory that resulted in the whole school being evacuated for a period of time, a fire drill, and a computer breakdown that resulted in the researcher being unable to locate the participants who had volunteered.

The cause of death of the fathers in the father-deceased group varied. An overview of the causes of death for these fathers illustrates this variety: twelve from cancer; three from heart attacks; seven accidental deaths which were a result of a boat accident, a plane crash, an occupational accident, a car accident, a railway crossing accident and a fall down a flight of stairs. Four of these accidental deaths were directly related to the abuse of alcohol; five deaths by suicide; one death from AIDS; one from a blood clot during
surgery and one as a result of ALS. The fathers ranged in age at the time of their death from ages 32 to 58 years old. The mean age of this group of fathers was 33 years old. The length of time since the paternal death ranged from less than a year to over ten years ago. Nineteen of the bereaved adolescents had experienced this loss between one to three years ago.

Reactions from the students in the various schools were noteworthy for future research. Students from divorced or separated families were upset that they could not participate in this study. Students whose mothers had died wanted to know why the researcher was not including that kind of loss. Students who were adopted wanted to know why they were not eligible to participate in the intact group. Students whose fathers did not live with them and did not see them often suggested that it was as if their fathers were dead too. Students who lived with a step-father that they viewed as being like their own father wanted to know why they could not be in the intact group of participants. Some students who were either younger than twelve years old or older than sixteen years old were disappointed that they could not participate in this study.
Measures

Two measures were selected from previous research studies to provide information about adolescents' development of autonomy. A third measure was utilized to provide information about the influence of family functioning on adolescents' development of autonomy. In addition, a questionnaire was developed by the author to obtain the demographic information about the participants. A fifth measure was a survey instrument concerned with other life changes that the participants may have experienced were used.

Family Functioning in Adolescence (FFAQ) This instrument assesses family functioning as perceived by adolescents [Roelofse and Middleton, 1984]. It consists of 42 statements which measure the dimensions of family health focusing on the developmental tasks of adolescents. The six subscales are: Structure, Affect, Communication, Behaviour Control, Value Transmission and External Systems. The researcher in this study used only the first three subscales. A 4-point Likert-type scale (almost always or always true, often true, sometimes true, hardly ever true) is the response format. The
authors reported evidence of acceptable reliability (alpha = .90) for its use with adolescents. The mean total score on the FFAQ was 122.8, median = 126.0 and mode = 122, the range 67-158. The maximum range possible is 42-168. The total mean represents an average item rating of 2.92 indicating that Australian adolescents perceived their families to be operating more towards the functional than the dysfunctional end of the scale. Australian adolescents rated their families lower on Affect and Communication than on the other four dimensions (Appendix F).

Inventory of Parent and Peer Attachment. This instrument assesses the perceived quality of close relationships with parents and peers and their impact on adolescents' emotional well-being [Armsden and Greenberg, 1987]. There are 25 statements in each of the mother, father and peer sections. A 5-point Likert-type scale (almost never or never true, not very often true, sometimes true, often true, almost always or always true) is the response format. The authors reported a three week test-retest reliability for this instrument of .93 for parent attachment scores (mother and father scores were combined) and .86 for peer attachment scores (Appendix G).
Emotional Autonomy Scale (EAS). This instrument indexes the extent to which adolescents are emotionally withdrawn from their parents [Steinberg and Silverberg, 1986]. It reflects the developmentally appropriate independence. It consists of a total of 20 statements which form four subscales. Two of these subscales are described as affective aspects of emotional autonomy from parents, Nondependency (N) and Individuation (I). The other two are described as measuring cognitive aspects of emotional autonomy, Parents-as-People (P) and De-idealization (D)). A total autonomy score (T) indicates the overall level of emotional autonomy on this scale. A 4 point Likert-type scale (strongly disagree, disagree, agree, strongly agree) is the response format. The authors reported that each subscale had an internal reliability coefficient exceeding .60. Cronbach's alpha for the entire scale equals .75 (Appendix H).

Demographic Questionnaire. This instrument was developed by the researcher to provide the data regarding gender, present age, age at the time of the parental death, cause of the parental death and the parents' educational Two versions of this questionnaire were developed, one
for adolescents from father-deceased families and the other for those from intact families (Appendix D).

Adolescent Life Change Event Scale. This instrument was used to record the life change events that adolescents have experienced [Yeaworth, York, Hussey, Ingle & Goodwin, 1980]. It is an inventory of the various life change events that adolescents have identified that they may experience. The data derived from this instrument are used to illustrate the impact of accumulated losses in adolescents' lives and provides data that is qualitative in nature. It was used in this study to control for the confounding effects of other losses in their lives as well as to assist in the selection of participants for this study. Yeaworth, et al report a test re-test analysis of this scale of .83, using the Spearman correlation coefficient (Appendix E).

PROCEDURE

Once a list of volunteer participants was determined, the researcher arranged times to meet with these participants either as a group during school time or on an individual basis. All participants completed a consent form and were provided a parental consent form. The four test instruments and questionnaire were typically completed in twenty to thirty minutes.
One of the main problems in collecting the data was in determining whether or not the participants had returned the two signed consent forms (adolescent consent form and parental consent form). These consent forms were to be returned to the counsellor or teacher involved in helping the researcher. Numerous trips to the schools had to be made in order to collect these consent forms. Eventually, only two students were excluded from the study as a result of their parents being unwilling to sign the consent forms. Only one parent contacted the researcher directly to receive some additional information about the study and how it was being conducted.

In the event that any participants experienced some emotional reactions as a result of being in this study, the researcher was available to provide some individual support. Participants could withdraw from this study at any time. There were no withdrawals by any of the participants. In order to protect participants' confidentiality, response forms were assigned numbers which would be utilized when reference was made to any data results. All of these assigned numbers were put into a draw for the chance to win a portable stereo system. The researcher wanted to express her
appreciation for their participation in this study.
Chapter Four

Results and Discussion

Preliminary Results

During the process of recruiting participants for this study, the researcher heard numerous references about the significance of other losses on adolescents' lives. Some of these adolescents described the death of a grandparent as being just as significant as the death of a parent. The quality of the relationships and the roles that the deceased assumed in the family unity are factors that may have an impact on the bereaved adolescents. For example some of these adolescents perceived their grandparents as assuming the role of parent(s) since they were living with them on a full-time basis rather than living with their biological parents.

Participants responded well to all of the measures, except for the Inventory of Parent and Peer Attachment. Some of the participants in the father-deceased group were unable or unwilling to complete Part II - Relationship with Fathers. As a result, the data derived from this instrument are incomplete. Asking bereaved adolescents to remember their relationships
with their fathers often resulted in both pleasurable and painful memories. Perhaps some of the adolescents who have not fully accepted the reality of this loss in their lives are unable or unwilling to recall their thoughts and feelings surrounding this relationship with their fathers.

The researcher in this study kept a journal of observations and comments made by the participants. Participants from the father-deceased group expressed appreciation for having the opportunity to talk about their fathers' death. They felt it was reassuring that someone thought that an event like the death of their father was still alright to discuss. The fact that someone wanted to do a research study on this topic allowed them to have their feelings and thoughts validated. They were surprised to hear that this kind of study had never been done before. Very few of these adolescents were hesitant to discuss this loss or to be involved in such a study. The few individuals who were uneasy about discussing this topic were the adults involved with these adolescents. These adults included their surviving parent (mother), an administrator in the school, and a counsellor. This reluctance seems similar to the belief that we should not discuss suicide with
adolescents because it may cause them to become interested in suicide as a solution to their problems. Adolescents are already thinking and reacting to suicide and death issues.

Even though they often like to live their lives as if they are invincible (Elkind's personal fable) and will live forever, adolescents are very aware of the fragility of life. The experience of the sudden death of their parents or friends reinforces this death awareness and the reality that sometimes they have no control over having their parents and friends around forever. One adolescent described the process succinctly when he said:

I thought that I was supposed to leave him by starting to make my own decisions and moving away from home someday. Now he has left me behind by dying and I have to help my mother when I am supposed to be having fun like other teenagers.

Another adolescent whose father died by suicide said:

I still love my father even though he did this horrible thing to us but I don't like the choice he made to die that way and to leave us behind.
The Impact of Previous Losses on Adolescents Grief Reactions

Since one of the factors that often influences individual's grief reactions is their past experiences with loss and death (Rando, 1984), this research study included a consideration of such past experiences. Adolescents were asked to complete the Adolescent Life Change Event Scale (Yeaworth et al, 1980; 1992). Past experiences with loss are important, not only because they create expectations, but they also influence the coping strategies or defense mechanisms used by the griever. Previous unresolved losses generally hinder effective grief resolution; losses not death will tend to arise and complicate any subsequent losses (Rando, p.47). In addition, if an individual has experienced too many deaths, he or she can suffer "bereavement overload" (Kastenbaum, 1969). These past experiences may leave the griever depleted emotionally and unable to adequately address the current loss. The data derived from utilizing this measure are outlined in Table 1.

Overall adolescents from the father-deceased group showed a higher incidence of parental divorce or separation; failing one or more subjects in school; being arrested by the police; flunking a grade; family
<table>
<thead>
<tr>
<th>LIFE CHANGE EVENTS</th>
<th>FATHER-DECEASED GROUP</th>
<th>INTACT GROUP</th>
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<tbody>
<tr>
<td></td>
<td>N=30</td>
<td>N=30</td>
</tr>
<tr>
<td>A parent dying</td>
<td>30</td>
<td>0</td>
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<tr>
<td>Brother or sister dying</td>
<td>0</td>
<td>1</td>
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<tr>
<td>Close friend dying</td>
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</tr>
<tr>
<td>Failing one or more subjects in school</td>
<td>8</td>
<td>4</td>
</tr>
<tr>
<td>Being arrested by the police</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Flunking a grade in school</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Family member having trouble with alcohol</td>
<td>12</td>
<td>2</td>
</tr>
<tr>
<td>Losing a favorite pet</td>
<td>16</td>
<td>15</td>
</tr>
<tr>
<td>Parent or relative in your family getting very sick</td>
<td>18</td>
<td>11</td>
</tr>
<tr>
<td>Losing a job</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Breaking up with a close girlfriend or boyfriend</td>
<td>16</td>
<td>10</td>
</tr>
<tr>
<td>Quitting school</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Close girlfriend getting pregnant</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>Parent losing a job</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>Event</td>
<td>Percent 1</td>
<td>Percent 2</td>
</tr>
<tr>
<td>------------------------------------------------------------</td>
<td>-----------</td>
<td>-----------</td>
</tr>
<tr>
<td>Getting badly hurt or sick</td>
<td>8</td>
<td>6</td>
</tr>
<tr>
<td>Hassling with parents</td>
<td>16</td>
<td>5</td>
</tr>
<tr>
<td>Trouble with teacher or principal</td>
<td>11</td>
<td>5</td>
</tr>
<tr>
<td>Having problems with any or the following: acne, overweight, too tall, too short</td>
<td>15</td>
<td>10</td>
</tr>
<tr>
<td>Starting a new school</td>
<td>21</td>
<td>16</td>
</tr>
<tr>
<td>Moving to a new home</td>
<td>16</td>
<td>15</td>
</tr>
<tr>
<td>Change in physical appearance: braces / glasses</td>
<td>6</td>
<td>13</td>
</tr>
<tr>
<td>Hassling with brother or sister</td>
<td>19</td>
<td>14</td>
</tr>
<tr>
<td>Starting menstrual periods (girls)</td>
<td>10</td>
<td>13</td>
</tr>
<tr>
<td>Having someone new move in with your family: grandparent, adopted brother or sister, foster children, etc.</td>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>Starting a job</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>Mother getting pregnant</td>
<td>3</td>
<td>7</td>
</tr>
<tr>
<td>Starting to date</td>
<td>16</td>
<td>12</td>
</tr>
<tr>
<td>Making new friends</td>
<td>21</td>
<td>19</td>
</tr>
<tr>
<td>Brother or sister getting married</td>
<td>3</td>
<td>0</td>
</tr>
</tbody>
</table>
problems with alcohol; illness in the family; an inability to maintain a relationship with a girlfriend or boyfriend; hassles with parents; trouble with teachers / principals; personal appearance problems; numerous changes in schools; hassles with siblings; changes in their family structure and starting to date.

Emotional Autonomy

The initial research question concerned the overall level of emotional autonomy for adolescents who had experienced parental death. Subtest scores and the overall score (T) on the Emotional Autonomy Scale (EAS) provided the data for addressing this question. Based on Steinberg and Silverberg's (1986) studies of adolescent autonomy, of particular interest in the reports of adolescents whose father had died was the possibility that their sense of independence had developed with "premature" detachment from parental figures. Data for the intact and father-deceased groups on these subtests and the overall emotional autonomy score (T) are reported in Table 2. The higher the total score on this scale, the more autonomous the individuals are considered to be.

The mean scores on the Total Autonomy Scale for the two groups indicated that the adolescents in the
<table>
<thead>
<tr>
<th></th>
<th>GROUP</th>
<th>GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FATHER-DECEASED (n=30)</td>
<td>INTACT (n=30)</td>
</tr>
<tr>
<td>MEASURES</td>
<td></td>
<td></td>
</tr>
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<td>EMOTIONAL AUTONOMY SCALE:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SUBSCALES</td>
<td>MEAN  SD</td>
<td>MEAN  SD</td>
</tr>
<tr>
<td>INDIVIDUATION</td>
<td>15.33  2.39</td>
<td>14.56  2.8</td>
</tr>
<tr>
<td>NONDEPENDENCE</td>
<td>11.76  1.88</td>
<td>11.03  2.77</td>
</tr>
<tr>
<td>PARENT-AS-PEOPLE</td>
<td>15.66  3.69</td>
<td>13.43  2.82</td>
</tr>
<tr>
<td>DEIDEALIZATION</td>
<td>13.96  2.20</td>
<td>14.03  2.32</td>
</tr>
<tr>
<td>TOTAL</td>
<td>57.26  7.77</td>
<td>53.10  8.14</td>
</tr>
<tr>
<td>INVENTORY OF PARENT AND PEER ATTACHMENT:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SUBSCALES</td>
<td>MEAN  SD</td>
<td>MEAN  SD</td>
</tr>
<tr>
<td>MOTHER</td>
<td>89.73  15.89</td>
<td>93.60  18.51</td>
</tr>
<tr>
<td>FATHER</td>
<td>74.53  31.30</td>
<td>81.00  26.09</td>
</tr>
<tr>
<td>PEERS</td>
<td>98.67  13.48</td>
<td>96.63  17.97</td>
</tr>
</tbody>
</table>
father-deceased group reported themselves as being more autonomous (Table 2) than those in the intact group. This difference was statistically significant (F(1,52)= 5.59, p=.022). On average, adolescents in the father-deceased group rated themselves as "agreeing" to each of the items on the scale, by choosing an average response of 4. The two groups had a similar range of scores (Figure A) with few scores at the nonautonomous end of the scale. As indicated in Figure A, three quarters of the adolescents whose fathers had died scored above the median score for the intact group.

To investigate further this difference in Total score, analyses were conducted on each of the four subtests of the Emotional Autonomy Scale (Table 2). According to the authors of the instrument, the first two subscales, Individuation and Nondependence, are measures of emotional independence and the other two measures, Parents-as-People and Deidealization, are considered to be measures of cognitive independence from parents.

In terms of the emotional independence subscales, adolescents in the father-deceased group showed similar subtest scores on both Individuation and Nondependence to those of adolescents from intact families (Table 2).
TOTAL GROUP

EMOTIONAL AUTONOMY SCALE

FIGURE A - TOTAL SCORE

GROUP

<table>
<thead>
<tr>
<th>INTACT</th>
<th>+</th>
<th>-</th>
<th>+</th>
<th>-</th>
</tr>
</thead>
<tbody>
<tr>
<td>F-DECEASED</td>
<td>+</td>
<td>-</td>
<td>+</td>
<td>-</td>
</tr>
</tbody>
</table>

FIGURE B - INDIVIDUATION SCORE

GROUP

| INTACT | 0 * * --|+|--|
|--------|-------|
| F-DECEASED | + | - | + | - |
Adolescents in both groups (intact/father-deceased) had scores that ranged from 6 to 20 on the Individuation subtest (Figure B) and from 4 to 16 on the Nondependence subtest (Figure C).

Very different results were found for the subtest concerned with cognitive independence from parents. Scores on Parents-as-People subscale indicated that adolescents whose fathers had died scored significantly higher (p=.03) than adolescents from intact families. No such differences existed for Deidealization scores. The Parents-as-People subtest includes such items as "I have wondered how my parents act when I'm not around; My parents probably talk about different things when I am around from what they talk about when I'm not; My parents act pretty much the same way when they are with their friends as they do when they are at home with me". The father-deceased adolescents scored above both groups median score. The distribution of scores, as graphed in Figures D & E, indicate that considerable variation existed among adolescents in the father-deceased group. Their scores ranged from a minimum score of 7 to a maximum score of 23.

In summary, adolescents from the two family structures, father-deceased and intact, showed similar
TOTAL GROUP

EMOTIONAL AUTONOMY SCALE

FIGURE C - NONDEPENDENCE SCORE

GROUP

INTACT   * + |---*

F-DECEASED  * -- |+|--

FIGURE D - PARENTS-AS-PEOPLE SCORE

GROUP

INTACT   * --|--+--

F-DECEASED  -------|+|--

TOTAL GROUP

EMOTIONAL AUTONOMY SCALE

FIGURE E - DEIDEALIZATION SCORE

GROUP

INTACT

F-DECEASED

* ---!+ |--

ead

0  10  20  30  40  50
levels of emotional autonomy for the two measures concerned with emotional independence and for one of the measures concerned with cognitive independence, Adolescents from the father-deceased group reported significantly higher scores on the Parents-as-People subscale which contributed to a significant difference between the two groups in the Total score on the Emotional Autonomy Scale. It would appear that adolescents who have experienced paternal death either become more aware of their mother's feelings and vulnerability or that the experience of parental death leads them to pay greater attention to, and perhaps to value more highly, their mothers. There is no evidence based on scores for either group that extreme detachment or extreme clinging to parents is present.

Sessa & Steinberg (1991) discuss ways in which family structure changes can alter the nature of the development of autonomy in adolescents. Divorce and remarriage can instigate changes in internal processes (deidealization of parent) and external processes (father absence). This change context likely introduces different challenges for resolving the parent-adolescent relationship, compared to those for adolescents from intact families. Likewise the death of a father may
result in significant familial changes such as financial, social and emotional instability as well as affecting the surviving parent's ability to provide emotional and financial support. The recognition of such parental weaknesses could promote the deidealization of parents, with the realization that parents have lives independent of their relationships with their children.

Adolescents' Attachment to Mothers and Fathers

Whether or not adolescents from father-deceased families are more or less attached to their mothers and fathers than adolescents from intact families was the focus of the second research question. The data to address this issue were derived from the Inventory of Parent and Peer Attachment. Scores for attachment to mother (Table 2), showed no significant difference (p=.25) between means scores for the father-deceased group and the intact group. A graph of attachment scores to mother and father for both males and females in the father-deceased group and the intact group depicts males and female adolescents from the intact group as being more attached to both mother and father than are male and female adolescents from the father-deceased group (Figures I, J, L & M). However, male
adolescents from the father-deceased group were less attached to mother and father than female adolescents from the father-deceased group. In fact, the graph illustrates that male adolescents from father-deceased families were less attached to their fathers than female adolescents from the father-deceased families. Likewise, female adolescents from father-deceased families were more attached to their mothers than male adolescents from the father-deceased families. This difference between the two groups may be a result of the changes in the family structure i.e. father death.

Differing attachment patterns to mother and father for male and female adolescents have been noted in the research literature. Steinberg (1987) discussed the influence of parent-child relationships on the development of individuals. A recent review (Benson et al, 1992) concluded that the sex of the parent and the sex of the child are important influences on developmental changes in the parent relationship. Benson et al (1992) looked at participants' attachments to mother and to father separately. To assess attachments to both parents, participants were asked to complete the parent subscale of the Inventory of Parent and Peer Attachment. The correlation between attachment
to mother and attachment to father was $r = .43$, $p < .001$. These results indicated a difference between the parental attachment correlations in intact families ($r = .56$) versus non-intact families ($r = .15$). These correlations were significantly different from one another. No other significant differences were found between pairs of parental attachment correlations across education or income levels of the parents or across age or gender among the participants. Papini et al. (1991) utilized the Inventory of Parent and Peer Attachment to explore twelve to thirteen year old adolescents' attachments to mother and father. Subscale scores for attachment to mother were 91.48 and attachment to father were 85.87. These adolescents were from intact families. The importance of emotional-distancing in adolescents' attachment to mothers and fathers indicated differences for males and females. There appears to be a clear relationship between early-adolescent perceptions of attachment to parents and family cohesion (Resnick, 1989). Adolescents' ability to express their own point of view in the context of emotionally connected family relationships is empirically linked to their perceived attachment to mother and father. Grotevent & Cooper (1986) have consistently maintained
that individuation is facilitated when adolescents feel free to express their point of view in a family context characterized by emotional connectedness.

**Gender differences in autonomy related to father death**

The third research question was concerned with the possibility of differing developmental patterns for the male and female adolescents. In the present study, within-sex comparisons of adolescents from father-deceased families with those from intact families. For girls, the data (Table 3) showed little significant difference between the two groups. The one clear exception occurred for the Parents-as-People subscale, in which girls in the father-deceased group showed significantly higher levels of autonomy ($p=.03$) than girls from intact families. As with the total group scores, several possible meanings may be taken from this difference between the two groups. One possibility is, the change that occurs during adolescence from a perception of parent-as-figures to parents-as-people implies that the connectedness between parents and adolescents changes from being based on authority to a basis on respect from one another as persons. This dual process is expressed in the concept of "individuation" (Cooper, Grotevant & Condon, 1983; Youniss, 1983).
<table>
<thead>
<tr>
<th>SUBSCALES</th>
<th>STATISTICS</th>
<th></th>
<th>FEMALES F-DECEASED (n=18)</th>
<th></th>
<th>FEMALES INTACT (n=23)</th>
<th></th>
<th>MALES F-DECEASED (n=12)</th>
<th></th>
<th>MALES INTACT (n=7)</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDIVIDUATION</td>
<td>MEAN</td>
<td>14.83</td>
<td>14.91</td>
<td>.93</td>
<td>16.08</td>
<td>13.42</td>
<td>.03</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>2.52</td>
<td>2.90</td>
<td></td>
<td>2.06</td>
<td>2.69</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NONDEPENDENCE</td>
<td>MEAN</td>
<td>11.38</td>
<td>11.43</td>
<td>.95</td>
<td>12.33</td>
<td>9.71</td>
<td>.04</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>2.00</td>
<td>2.42</td>
<td></td>
<td>1.61</td>
<td>3.59</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PARENTS-AS-PEOPLE</td>
<td>MEAN</td>
<td>15.44</td>
<td>13.30</td>
<td>.03</td>
<td>16.00</td>
<td>13.85</td>
<td>.29</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>3.51</td>
<td>2.47</td>
<td>4.09</td>
<td>3.97</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>DEIDEALIZATION</td>
<td>MEAN</td>
<td>13.83</td>
<td>14.08</td>
<td>.75</td>
<td>14.16</td>
<td>13.85</td>
<td>.72</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>2.45</td>
<td>2.52</td>
<td></td>
<td>1.85</td>
<td>1.67</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTAL</td>
<td>MEAN</td>
<td>55.28</td>
<td>53.57</td>
<td>.48</td>
<td>60.25</td>
<td>51.57</td>
<td>.05</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SD</td>
<td>7.77</td>
<td>7.48</td>
<td></td>
<td>7.05</td>
<td>10.58</td>
<td></td>
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</tr>
</tbody>
</table>
whereby adolescents move away from independence on their parents while attempting to remain still connected to them.

Among male adolescents, the differences between the two groups showed a very different pattern (Table 3). In both of the subscales considered to measure emotional independence, Individuation and Nondependence, boys in the father-deceased group scored significantly higher than boys from the intact group (p=.03; p=.04). For the two subscales associated with detachment from parents, boys in the two groups showed similar scores (p=.28; p=.72). The distribution of the scores, as graphed in (Figures AA and FF), indicated a variation existed among male adolescents in the father-deceased group. The median total score for the boys in the father-deceased group was 60 whereas the median total score for the boys in the intact group was 49.

In addition, the third research question addressed whether or not there were similar patterns of development of emotional autonomy and attachment for male and female adolescents in the father-deceased and intact groups. Within-sex comparisons of adolescents' attachment patterns to mothers and fathers were explored. Even though there was no significant
FATHER-DECEASED GROUP

EMOTIONAL AUTONOMY SCALE

FIGURE AA - TOTAL SCORE

GROUP

MALE

FEMALE

FIGURE BB - INDIVIDUATION SCORE

GROUP

MALE

FEMALE

FIGURE CC - NONDEPENDENCE SCORE

GROUP

MALE

FEMALE
INTACT GROUP

EMOTIONAL AUTONOMY SCALE

FIGURE FF - TOTAL SCORE

GROUP

MALE

FEMALE

30 40 50 60 70 80

FIGURE GG - INDIVIDUATION SCORE

GROUP

MALE

FEMALE

0 10 20 30 40 50

FIGURE HH - NONDEPENDENCE SCORE

GROUP

MALE

FEMALE

0 10 20 30 40 50
difference (p=.97) between the females in the two groups (Table 4), three-quarters of the scores for the father-deceased group were below the median score for attachment to mothers (Figure F). Differences for males in the two groups were not statistically significant (p=.27).

Females in the father-deceased group showed higher attachment scores to father than scores in the intact group (Figures J & M), but the difference in the mean scores of the two groups was not statistically significant (p=.86). Similarly, the attachment scores to father for father-deceased males were lower than scores for males from intact families (Figures J & M). Males in the intact group showed three-quarters of their scores below median scores of both males and females in the intact group (Figures L & M). The data suggest that major alterations in the family structure have a modest effect on adolescents' attachment to mother and father. As far as gender differences, it appears that both male and female adolescents experience a shift in their attachment to mother and father as a result of father death. Male adolescents seem to experience a greater shift in their attachments to mother and father than female adolescents.
### TABLE 4
MEANS, STANDARD DEVIATIONS AND P VALUES ON THE INVENTORY OF PARENT AND PEER ATTACHMENT BETWEEN THE TWO GROUPS BY SEX

| SUBSCALES | FEMALES | | | | | MALES | | | | | |
|-----------|---------| | | | | | | | | | | |
|           | F-DECEASED | INTACT | | | | F-DECEASED | INTACT | | | | | |
|           | (n=18) | (n=23) | | | | (n=12) | (n=7) | | | | | |
| MOTHER    | MEAN 93.61 | 93.83 | .97 | | | 83.92 | 92.86 | .27 | | | | |
|           | SD 15.96 | 18.58 | | | | 14.52 | 19.76 | | | | | |
| FATHER    | MEAN 82.69 | 81.17 | .86 | | | 61.50 | 80.43 | .24 | | | | |
|           | SD 26.48 | 27.10 | | | | 35.31 | 24.45 | | | | | |
| PEERS     | MEAN 97.44 | 97.78 | .95 | | | 100.50 | 92.86 | .27 | | | | |
|           | SD 15.12 | 18.06 | | | | 10.96 | 18.52 | | | | | |
FATHER-DECEASED GROUP

INVENTORY OF PARENT AND PEER ATTACHMENT

FIGURE I - ATTACHMENT TO MOTHER SCORE

GROUP

MALE

FEMALE

FIGURE J - ATTACHMENT TO FATHER SCORE

GROUP

MALE

FEMALE

FIGURE K - ATTACHMENT TO PEERS SCORE

GROUP

MALE

FEMALE
INTACT GROUP

INVENTORY OF PARENT AND PEER ATTACHMENT

FIGURE L - ATTACHMENT TO MOTHER SCORE

GROUP

MALE

---------

---------

FEMALE

* 

---------

---------

0 30 60 90 120 150 +----- M

FIGURE M - ATTACHMENT TO FATHER SCORE

GROUP

MALE

---------

---------

FEMALE

* 

---------

---------

0 30 60 90 120 150 +----- F

FIGURE N - ATTACHMENT TO PEERS SCORE

GROUP

MALE

---------

---------

FEMALE

* 

---------

---------

30 60 90 120 50 +----- FR
Since the instructions for the subsection that relates to the participants' attachment to Father in the Inventory of Parent and Peer Attachment requests that the participants in both groups explore their feelings about this relationship, we must consider the fact that all of the participants in the father-deceased group had experienced father death either prior to adolescence (under age 12 years) or during adolescence (between age 12 to 16 years). These participants were instructed to answer as many of these statements as possible. Two males and three females (#10, #26, #22, #29) chose not to answer all 25 statements in this section. An additional two males and two females (#18, #21, #2 & #28) did not answer any of the 25 statements in this section. Some of the fathers of these adolescents had died as a result of a suicide or a death that involved some unresolved issues which created additional stress and grief reactions. Also some of the surviving parents were concerned that these statements may stimulate some strong emotional reactions for their children. All of the father-deceased group were instructed to base their responses on the memories that they had of their relationship with their dead fathers.

To test for an association between father-
attachment ratings and family structure (father-deceased vs. intact), a chi-square analysis for each of the items in the "father" section was conducted for data from both the males and females. The responses were grouped into three categories: Not, Sometimes and Always. The result of the chi-square analysis indicated there was no association for 24 of the 25 items. The only item for which a significant association ($X^2_{df=2} p<.05$) was found was item #18, "I don't get much attention from my father". It is not surprising that adolescents from the father-deceased group have a different response for this item than did adolescents from the intact group.

Even though these differences are not statistically significant they suggest the possibility that developmental tasks during adolescence are successfully accomplished within the context of a supportive and understanding environment. When the circumstances are such that the context is altered and is in a state of transition, adolescents may experience difficulties in making the necessary personal adjustments. Since the parent-adolescent relationship is seen as an enduring bond that continues throughout the life span (Youniss, 1983), perhaps significant alterations in this bond (i.e., father death) create a shift in the attachments
that males have to their mothers and fathers (Table 4).

Relationship Between Autonomy and Relationship with Parents

Whether or not the autonomy of adolescents is related to the quality of their relationship with their parents was addressed in the fourth research question. It seemed possible that the impact of the father death on the development of emotional autonomy might depend on the quality of the adolescent's relationship with his or her mother. This relationship was explored by considering the data derived from the Family Functioning in Adolescence Questionnaire (FFAQ), the Inventory of Parent and Peer Attachment (IPPA) and the Emotional Autonomy Scale (EAS). The total scores (T) on the FFAQ for the father-deceased and intact groups were compared. However, the intact group has a mean total score that is higher than the father-deceased group (Table 5). The higher the total score, the more the adolescent perceives his or her family as being functional as opposed to being perceived as dysfunctional. The difference between the two groups is not statistically significant (p=.231) (Table 25). The range of total scores (Figures 0) illustrates that the intact group has a greater proportion of their total scores distributed
TABLE 5
MEANS, STANDARD DEVIATIONS, AND P VALUES ON THE FAMILY FUNCTIONING IN ADOLESCENCE QUESTIONNAIRE

<table>
<thead>
<tr>
<th>SUBSCALES</th>
<th>F-DECEASED GROUP (n=30)</th>
<th>INTACT GROUP (n=30)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MEAN</td>
<td>SD</td>
</tr>
<tr>
<td>STRUCTURE 27</td>
<td>18.87</td>
<td>5.37</td>
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<tr>
<td>AFFECT 87</td>
<td>19.60</td>
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<td>COMMUNICATION 86</td>
<td>18.93</td>
<td>5.46</td>
</tr>
<tr>
<td>TOTAL</td>
<td>117.00</td>
<td>26.58</td>
</tr>
</tbody>
</table>
toward the functional range (above the mean = 122.8) whereas the father-deceased group have total scores that are distributed toward the dysfunctional range.

When we compare the total scores on the FFAQ for both males and females in both groups, no significant difference between the two sexes was found (p=.568) (Table 25). The three subscales used in this study are considered to be dimensions that contribute to adolescents' healthy psychosocial functioning in the family (Roelofse & Middleton, 1985). The Structure (S) subscale refers to the structure of the family unit and whether or not it possesses clear and permeable boundaries around the individual members of the family and a cohesive parental subsystem. The Affect (A) subscale refers to a broad range of affective expressiveness. The Communication (C) subscale refers to communication within the family unit. The data for each of these three subscales suggests (Table 5) that there were no significant differences between the two groups: father-deceased and intact. The intact group had scores that ranged primarily in the third quartile for females and in the first quartile for males. Conversely, the father-deceased group showed Affect subscale scores that ranged primarily in the third
TOTAL GROUP

FAMILY FUNCTIONING IN ADOLESCENCE QUESTIONNAIRE

FIGURE O - TOTAL SCORE

GROUP

INTACT

F-DECEASED

---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
FATHER-DECEASED GROUP

FAMILY FUNCTIONING IN ADOLESCENCE QUESTIONNAIRE

FIGURE W - TOTAL SCORE

GROUP

| MALE | +-------+-------+-------+-------|
| FEMALE * | +-------+-------+-------+-------|

25 50 75 100 125 150

FIGURE X - STRUCTURE SCORE

GROUP

| MALE | +-------+-------+-------+-------|
| FEMALE * | +-------+-------+-------+-------|

5.0 10.0 15.0 20.0 25.0

FIGURE Y - AFFECT SCORE

GROUP

| MALE | +-------+-------+-------+-------|
| FEMALE | +-------+-------+-------+-------|

8.0 12.0 16.0 20.0 24.0 28.0
<table>
<thead>
<tr>
<th>Subscales</th>
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<th></th>
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<th></th>
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<td>INTACT</td>
<td>F-DECEASED</td>
<td>INTACT</td>
<td>F-DECEASED</td>
<td>INTACT</td>
<td>F-DECEASED</td>
<td>INTACT</td>
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<tr>
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<td>(N=18)</td>
<td>(N=23)</td>
<td>P</td>
<td>(N=12)</td>
<td>(N=7)</td>
<td>P</td>
<td></td>
<td></td>
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<td><strong>MEAN</strong></td>
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<td>127.48</td>
<td>.09</td>
<td>121.25</td>
<td>123.86</td>
<td>.79</td>
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<td></td>
<td>18.77</td>
<td>23.26</td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>STRUCTURE</strong></td>
<td>(N=18)</td>
<td>(N=23)</td>
<td>P</td>
<td>(N=12)</td>
<td>(N=7)</td>
<td>P</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>MEAN</strong></td>
<td>18.05</td>
<td>21.04</td>
<td>.05</td>
<td>20.08</td>
<td>19.43</td>
<td>.71</td>
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<td></td>
</tr>
<tr>
<td><strong>SD</strong></td>
<td>6.09</td>
<td>3.57</td>
<td></td>
<td>3.99</td>
<td>2.70</td>
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<tr>
<td><strong>AFFECT</strong></td>
<td>(N=18)</td>
<td>(N=23)</td>
<td>P</td>
<td>(N=12)</td>
<td>(N=7)</td>
<td>P</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>MEAN</strong></td>
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<td>21.22</td>
<td>.41</td>
<td>19.00</td>
<td>21.14</td>
<td>.37</td>
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<tr>
<td><strong>SD</strong></td>
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<td>4.11</td>
<td></td>
<td>4.49</td>
<td>5.46</td>
<td></td>
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</tr>
<tr>
<td><strong>COMMUNICATION</strong></td>
<td>(N=18)</td>
<td>(N=23)</td>
<td>P</td>
<td>(N=12)</td>
<td>(N=7)</td>
<td>P</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>MEAN</strong></td>
<td>19.00</td>
<td>19.39</td>
<td>.83</td>
<td>18.83</td>
<td>19.00</td>
<td>.94</td>
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<td>6.05</td>
<td>5.24</td>
<td></td>
<td>4.71</td>
<td>4.04</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
quartile for males and mid-way between the first and third quartile for females (Figures Y). However, there were differences in the total score and the subscale scores between the two groups by sex (Table 6). In particular, the Total (T) scores and the subscales scores for Structure (S) and Affect (A) suggest a difference between males and females in both groups.

A correlation matrix for the father-deceased group of their total score and subscale scores on the Emotional Autonomy Scale with their scores on the Family Functioning in Adolescence Questionnaire showed significant negative correlations for all the Total and subscales scores except the correlation between the Nondependence subscale on the EAS and Structure subscale on the FFAQ (Table 8).

Scores from the Inventory of Parent and Peer Attachment (IPPA) were correlated with scores of the Emotional Autonomy Scale (EAS) to explore the possibility that attachment to mothers served as a "mediating variable" in affecting autonomy for the father-deceased males. Significant negative correlations were found between the Total (T) score and all the subscales scores except the Parents-as-People subscale on the Emotional Autonomy Scale in relation to their
### TABLE 7

CORRELATION MATRIX OF THE MOTHER AND FATHER ATTACHMENT SCORES ON THE INVENTORY OF PARENT AND PEER ATTACHMENT AND TOTAL AND SUBSCALE SCORES ON THE EMOTIONAL AUTONOMY SCALE

#### FATHER-DECEASED GROUP - MALES (n=12)

<table>
<thead>
<tr>
<th></th>
<th>INVENTORY OF PARENT AND PEER ATTACHMENT</th>
<th>EMOTIONAL AUTONOMY SCALE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TOTAL</td>
<td>INDIV</td>
</tr>
<tr>
<td>MOTHER</td>
<td>-.45</td>
<td>-.48</td>
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<tr>
<td>FATHER</td>
<td>-.58</td>
<td>-.15</td>
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</table>

#### FATHER-DECEASED GROUP - FEMALES (n=18)

<table>
<thead>
<tr>
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<th>INVENTORY OF PARENT AND PEER ATTACHMENT</th>
<th>EMOTIONAL AUTONOMY SCALE</th>
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<tr>
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<td>TOTAL</td>
<td>INDIV</td>
</tr>
<tr>
<td>MOTHER</td>
<td>-.67</td>
<td>-.56</td>
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<tr>
<td>FATHER</td>
<td>.20</td>
<td>.25</td>
</tr>
</tbody>
</table>

\[ p < .01 \] .361**
\[ p < .05 \] .306*
**TABLE 8**
CORRELATION MATRIX OF THE TOTAL AND SUBSCALE SCORES ON THE FAMILY FUNCTIONING IN ADOLESCENCE QUESTIONNAIRE AND THE TOTAL AND SUBSCALE SCORES ON THE EMOTIONAL AUTONOMY SCALE

FATHER-DECEASED GROUP (n=30)

<table>
<thead>
<tr>
<th>EMOTIONAL AUTONOMY SCALE</th>
<th>FAMILY FUNCTIONING IN ADOLESCENCE QUESTIONNAIRE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TOTAL</td>
</tr>
<tr>
<td>TOTAL</td>
<td>-0.77</td>
</tr>
<tr>
<td>INDIVIDUATION</td>
<td>-0.59</td>
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<tr>
<td>PARENTS-AS-PEOPLE</td>
<td>-0.58</td>
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<tr>
<td>NONDEPENDENCE</td>
<td>-0.47</td>
</tr>
<tr>
<td>DEIDEALIZATION</td>
<td>-0.34</td>
</tr>
</tbody>
</table>

* p < .05
** p < .01
.361**
.306*
attachment to mother scores on the Inventory of Parent and Peer Attachment (Table 7). The father-deceased females showed significant negative correlations between the Total (T) score and all the subscale scores except the Parents-as-People subscale on the Emotional Autonomy Scale in relation to their attachment to mother on the Inventory of Parent and Peer Attachment (Table 7).

An analysis of variance was conducted to compare the emotional autonomy scores of the high and low scores on the Inventory of Parent and Peer Attachment -Mothers only section. The results indicate that there is no interaction between the gender and the level of attachment to mother for the father-deceased group (p=.924). However, there is statistical significance for gender (p.007) and high/low attachment scores for mother on the IPPA (p=.001) (Table 26).

A t test analysis on the high and low scores of attachment to mother for both males and females from the father-deceased group (n=29) for each score on the Emotional Autonomy Scale illustrates that low scores for attachment to mother indicate that these adolescents are more autonomous according to their Total, Nondependence and Deidealization scores on the Emotional Autonomy Scale (Table 9) whereas high scores for attachment to
<table>
<thead>
<tr>
<th>EAS SCALE</th>
<th>SCORE LEVEL ON MOTHER ATTACHMENT</th>
<th>t values</th>
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<tr>
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<td>HIGH (n=17)</td>
<td>LOW (n=12)</td>
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<tr>
<td></td>
<td>MEAN</td>
<td>SD</td>
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<td>TOTAL</td>
<td>54.00</td>
<td>6.49</td>
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<td>INDIVIDUATION</td>
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<td>PARENTS-AS-PEOPLE</td>
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<td>2.78</td>
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<td>DEIDEALIZATION</td>
<td>13.12</td>
<td>2.03</td>
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</table>
mother indicate that these adolescents are less autonomous according to their Total, Nondependence and Deidealization scores on the Emotional Autonomy Scale (Table 9).

**Attachment Scores and Relationship with Peers**

Whether or not adolescents from father-deceased families are more or less attached to their peers than adolescents from intact families is addressed in the final research question. Some of the research literature inferred that adolescents who had experienced a parental loss may be more reliant on their peers in order to find social support and guidance (Youniss & Smollar, 1985). They may be more attached to their peers than adolescents from intact families.

Scores on the Peers subscale of the Inventory of Parent and Peer Attachment (Table 2), showed no significant difference (p=.59) between the father-deceased group and the intact group. Similar scores were also found in comparing both male and female adolescents in the two groups. These scores showed no significant difference (p=.27/p=.95) (Table 4) for males and females. A graph of the attachment to peers scores illustrated that male adolescents from the father-deceased families were slightly more attached to
**TABLE 10**

CORRELATION MATRIX OF THE ATTACHMENT TO PEERS SCORES ON THE INVENTORY OF PARENT AND PEER ATTACHMENT AND THE TOTAL AND SUBSCALE SCORES ON THE EMOTIONAL AUTONOMY SCALE

<table>
<thead>
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<th>FATHER-DECEASED GROUP (n=30)</th>
<th>EMOTIONAL AUTONOMY SCALE</th>
<th>INVENTORY OF PARENT AND PEER ATTACHMENT (PEERS)</th>
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<td></td>
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<td></td>
<td>NONDEPENDENCE</td>
<td>0.36*</td>
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<td></td>
<td>DEIDEALIZATION</td>
<td>-0.13</td>
</tr>
</tbody>
</table>
peers than are female adolescents from the same group. Male adolescents from father-deceased families were also slightly more attached to peers than were male adolescents from intact families (Figure K and N).

A correlation matrix for the father-deceased group for the Total score and subscale scores on the Emotional Autonomy Scale with their attachment to peers scores on the Inventory of Parent and Peer Attachment showed a significant correlation for the Nondependence subscale with attachment to peers (Table 8).

Earlier studies of attachment to mother, father and peers found somewhat different results. Armsden's (1986) study of older adolescents (ages 17 to 20 years old) living most of their lives in an intact family showed that for both males and females, attachment scores for mother accounted for more than twice the variance in peer attachment scores than did father attachment scores. This suggests the possibility that the maternal relationship may have a stronger influence on adolescents. The importance of peer attachment is further highlighted by the findings that, regardless of parent attachment configuration, secure attachment to peers is generally associated with greater well-being than insecure peer attachment. Armsden's
results for both attachment to parents and peers suggests that while parent relationships are still influential, peer relationships have gained considerable importance. Her study indicated consistent sex differences in terms of the relative importance of attachment to parents and peers for well-being. Father attachment was most related to well-being among males, while for females, peer attachment proved to be the best predictor of well-being in late adolescence. For males, attachment to mother was clearly the weakest predictor of well-being, while mother and father attachment were generally about equally related to well-being among females. However, even among females father attachment was superior to mother attachment in its association with stability of self-esteem (Table 11).
<table>
<thead>
<tr>
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<tr>
<td>PEER</td>
<td>94.97</td>
<td>12.1</td>
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Chapter Five

Conclusions and Implications

The impact of father death on the process of developing emotional autonomy was the topic of the present research. Few significant differences were found between adolescents from father-deceased families and those from intact families. Adolescents from the father-deceased group are more autonomous than the intact group in some of the scales. The overall level of emotional autonomy (T) and their subscale scores on the Parents-As-People subscale was significant. Gender differences in the subscale scores showed significance for males' individuation and nondependence subscale scores and females' parents-as-people subscale scores. Male and females adolescents' attachment scores to mother and father in both the father-deceased and intact groups showed no significance. Adolescents' perceptions of their family functioning showed similar results for both the father-deceased and intact groups with adolescents who scored high in family functioning being less autonomous. However, female adolescents' scores on the Structure subscale indicated some significance between the two groups. Data analysis of the
relationship between level of emotional autonomy and attachment to peers between the two groups showed no significant difference.

The Adolescent Life Change Event Scale (Yeaworth et al., 1980) provided more detailed information about the participants' past experiences with loss and death as well as other losses that may have had an effect on their grief reactions and their developmental process. The authors of this instrument identified this list of life change events by asking adolescents themselves what they perceived to be significant life changes. The most significant life change event identified was the death of a parent.

The surviving parents' ability to respond favorably to their grieving adolescents are key mediators of adolescents' grief process. The surviving parents often rely on these adolescents to assume some of the roles that were once the responsibility of their fathers. The distinct parent-child roles may be blurred and altered drastically at a time when adolescents need to have some time to determine these roles in a more gradual manner. Any expectations that the surviving parents have of their bereaved adolescents may result in additional stress for them. The impact of these alterations in the
family composition may also have some influence on adolescents' ability to achieve a healthy emotional autonomy with their mothers. The results of this study showed that father-deceased adolescents who were more attached to their mothers were less autonomous whereas father-deceased adolescents who were less attached to their mothers were more autonomous.

Based on these findings, the death of a parent either during or prior to adolescence does not invariably have an impact on adolescents' developmental process. These findings are consistent with the observations of Raphael (1983) that "no clear-cut findings have really emerged since the majority of studies have been retrospective in nature and the variables are many and complex" (p. 126). Berlinsky and Biller (1982) stated that "the variables associated with the loss of a parent as well as the characteristics specific to the child, will predict the child's subsequent adjustment and development" (p. 127).

Whether or not the death of a father has a significant impact on adolescents' separation-individuation process may be more related to their vulnerability to some special kind of problems that are sometimes evident in adolescents who suffered the loss
of a parent through divorce. Researchers in this area discuss the impact of divorce or parental separation on adolescents' process of disengaging from parents and forming attachments outside the home. They state that it is difficult to finish blending doses of closeness and independence into a mature relationship with a parent when that parent disappears from one's daily life and their parents expectations of their ability to handle these kinds of situations can often be unrealistic (Kimmel & Weiner, 1985).

Bereaved adolescents can also experience similar reactions to changes in the family context. Being able to make the necessary adjustments to these changes often involves a combination of their grief reactions to the death of their father as well as their need to maintain and establish the 'normal' developmental tasks associated with the adolescent phase. To avoid appearing different from their peers as well as maintaining some normalcy in their lives often overrides adolescents' need to grieve the loss of their relationship with their father. This may result in what is known as a 'delayed grief reaction' whereby these adolescents experience their grief reactions to this loss at a later time in their lives (Dietrich, 1986).
One of the "ripple" effects of this study has provided the father-deceased adolescents with an opportunity to explore their thoughts and feelings about the death of their father. This kind of acknowledgment of their loss has enabled some of these adolescents to realize the significance that their father's death has had on their development. They have also become more aware that they are not the only adolescent that has experienced such a loss.

Future Research:

A future research project would involve using The Adolescent Life Change Scale to further explore the impact of accumulated loss on bereaved adolescents. Personal interviews with these adolescents would help to determine the quality of the relationship with the deceased parent prior to their death and the confounding effects of other losses i.e. family problems with alcohol, unemployment.

The impact of mother death on male and female adolescents between the ages of 12 to 16 years old. The similarities and differences between the parental death loss of a father or mother would become the focus of this kind of study. An important issue that needs further study is adolescents' relationship with their
surviving parent. Dornbusch, Petersen & Hetherington (1991) identified new directions and needs for future adolescent research. One of the research needs involved looking at adolescents' relationships with parents that are undergoing important transformations that support the development of autonomy in adolescents. Dornbusch et al (1991) referred to the influence of the contexts in which the adolescent is developing. They posed the question whether or not human development inherently involves change and whether or not contexts change? Little is known about how the interaction between normative and non-normative life change differs for adolescents in the course of their development.

Finally, some validity studies for the instruments utilized in this study would enhance the results of future research projects that would like to use these instruments. These additional studies would involve adolescents between the ages of 12 to 16 years old.

Limitations:

Some of the limitations of this study are related to the following issues: (a) the lack of qualitative data such as adolescents' perceptions of this loss; (b) the confounding variables such as other losses and the possibility of related family changes which were
derived from the data in the Adolescent Life Change Event Scale; (c) the power of the statistics is limited by the size of the N for males in the intact group; and (d) the need for multiple tests for significance since many of the tests conducted on the data were from the same group hence the true level of Type I error is not known.
REFERENCES


APPENDIX A

RECRUITMENT SPEECH

My name is Sandra Elder. I am a graduate student working on my doctorate at the University of Victoria. I am conducting a research study that will compare two groups of adolescents and their relationships with parents and peers.

I am looking for two groups of adolescents: from intact families (two parents) and non-intact families (mother only / father has died) who are between the ages of 12 to 16 years old. Parental consent forms for participation in this study are required. Adolescents who are not receiving counselling for problems related to the parental death are being asked to volunteer as well as adolescents who may have been receiving counselling and have received permission from both their parents and their therapist/doctor to participate in this study.

The purpose of this study is to compare these two groups of adolescents to see if there is any significant differences of similarities in their responses to the instruments used in this study. Confidentiality will be assured for the participants in this study through the use of code numbers which will be assigned and used instead of names. The names and the code numbers will be kept in a separate place and destroyed when the researcher has finished her degree.

Adolescents who agree to participate in this study will be asked to fill out two questionnaires that will assist the researcher in the selection of participants. Once the two groups of participants are determined, the remaining three instruments will be completed. All instruments will be destroyed as soon as the researcher has completed her degree.

If you are interested in being a participant in this study after reading the information sheet, please call Sandra Elder at (w) 652-4142 or (h) 652-9705. If I am not available to talk to you when you call, please leave your name and your phone number and I will return your call as soon as possible.

Thank you for your time and interest in my research study. Your participation in this study is greatly appreciated.

Sandra Elder
Doctoral Candidate
Faculty of Education
Dept. of Psychological Foundations
University of Victoria
INFORMATION ABOUT THE RESEARCH STUDY: ADOLESCENTS AND THEIR RELATIONSHIPS WITH PARENTS AND PEERS

WHO CAN VOLUNTEER?

1. Adolescents between the ages of 12 to 16 years old.
2. Both adolescent males and females.
3. Adolescents from intact families (two parents who are living together).
4. Adolescents from non-intact families (mother only) and father has died.
5. Adolescents who are not receiving counselling or medical treatment for problems related to the death of their father (emotionally vulnerable adolescents).
6. Written parental consent forms from adolescents who want to be a participant in this study.
7. Adolescents who are having some difficulties with their relationship with their parents/mother and peers.
8. Adolescents who are not and have never had any difficulties with their relationship with their parents/mother and peers.

DESCRIPTION OF THE STUDY:

The purpose of the study is to compare the relationships with parents and peers for two groups of adolescents: those from intact (two parents living together) and those from non-intact families (mother only/father is dead). Every adolescent who volunteers will be asked to initially complete two instruments that will assist in the selection of participants. The two groups of adolescents who will be participants in this study will complete three instruments that explore adolescents' relationships with parents and peers. The information obtained from these instruments will be looked at by the researcher and her research committee at the University of Victoria. This information will be destroyed as soon as the researcher is finished her degree. The following examples of the kind of questions that you will see in the instruments used in this study:

a) My mother/father/friends accept me as I am.

b) I can count on my mother/father when I need to get something off my chest.

c) My mother/father care about me and accepts me the way I am.
APPENDIX B....

d) My parents don't trust me.

e) I wish my parents would understand who I really am.

f) My parents know everything there is to know about me.

For those adolescents who fill out the first instruments, confidentiality can be assured. Each adolescent will be given a code number which will be used instead of their name. The name and code numbers will be kept in a separate place and destroyed once the researcher has finished her degree.

If you are interested in participating in this study or have any further questions, please contact Sandra Elder at (w) 652-4142 or (h) 652-9705. If I am not available to speak to you when you call, please leave your name and phone number and I will return your call as soon as possible. To protect your personal privacy, DO NOT STATE THAT YOU ARE INTERESTED IN THE STUDY.
APPENDIX C

MEMO: TO ALL PARTICIPANTS IN THIS STUDY

I am looking at adolescents' relationships with their parents and friends for my research study for my PhD in counselling psychology. Thank you for agreeing to meet me today.

There are two instruments that will be utilized to select the participants for this study:

Demographic Questionnaire
Adolescent Life Change Event Scale

There are three questionnaires that will be utilized in the actual research study:

Emotional Autonomy Scale (EAS) (21 items)
Family Functioning in Adolescence Questionnaire (42 items)
Relationships Questionnaire (IPPA) (Three parts with 25 items in each of the three parts)

When you are answering the questionnaires in this research study there is an answer sheet attached to the Family Functioning in Adolescence Questionnaire and the Emotional Autonomy Scale. The Inventory of Parent and Peer Attachment (IPPA) has both the questions and answer sheet together.

Each participant will be assigned a number which they will put on the three questionnaires rather than their actual names. This procedure will assure confidentiality for the participants in this research study.

I would appreciate any comments that you have about these questionnaires - good or bad - your comments are VERY IMPORTANT to my study. Please put these comments on the back of the questionnaires.

Thank you for your time and your help in my research study. I really appreciate it.

Sandra Elder
APPENDIX D

Intact Group &  
Father-Deceased  
Group

DEMOGRAPHIC QUESTIONNAIRE

PART I

NAME__________________________________________

ADDRESS__________________________________________

_________________________________________________

PHONE #___________________________________________

BIRTH DATE__________________________________________

SEX:_____ MALE _______FEMALE

BIRTH ORDER____________________(your position in your family,  
i.e. eldest child)

EDUCATIONAL LEVEL OF PARENTS:

FATHER:

INCOMPLETE HIGH SCHOOL DIPLOMA __________
GRADE 12 DIPLOMA __________
POST-SECONDARY EDUCATION __________
DEGREE EARNED:

___________ BACHELOR
___________ GRADUATE
___________ POST-GRADUATE

MOTHER:

INCOMPLETE HIGH SCHOOL DIPLOMA ___________ GRADE 12  
DIPLOMA ___________ POST-SECONDARY EDUCATION __________
DEGREE EARNED:

___________ BACHELOR
___________ GRADUATE
___________ POST-GRADUATE
APPENDIX D

FATHER-DECEASED GROUP - prior to ages 12 to 16 years and between 12 to 16 years.

DEMOGRAPHIC QUESTIONNAIRE

PART II

NAME__________________________________________
ADDRESS_______________________________________

_____________________________________________
PHONE #________________________________________

BIRTH DATE____________________________________

AGE AT TIME OF PARENTAL DEATH ___________

SEX:______ MALE _______ FEMALE

BIRTH ORDER_____________(your position in your family, i.e. eldest child)

PARENT WHO DIED ___________ MOTHER ___________ FATHER

TYPE OF DEATH:

_______ ACCIDENTAL
_______ CANCER
_______ HEART ATTACK
_______ CVA / STROKE
_______ SUICIDE
_______ MURDER
_______ OTHER - please specify

DATE OF PARENTAL DEATH ____________

AGE OF PARENT AT THE TIME OF THEIR DEATH _________
APPENDIX E

ADOLESCENT LIFE CHANGE EVENT SCALE


APPENDIX F

114

THE FAMILY FUNCTIONING IN ADOLESCENCE QUESTIONNAIRE

APPENDIX G

THE INVENTORY OF PARENT AND PEER ATTACHMENT

APPENDIX H

EMOTIONAL AUTONOMY SCALE

Dear (Adolescents' Name)

I am a graduate student at the University of Victoria in the Faculty of Education, Department of Psychological Foundations working under the supervision of Dr. Don Knowles (#721-7799). I will be conducting a study that will help me to further understand adolescent development and their relationships with parents and peers. This study will involve sixty adolescents between the ages of twelve to sixteen years old. Thirty of the adolescents will be from one parent families (father died) and thirty adolescents will be from two parent families (living with both mother and father). There will be two parts to the study: the first part will involve the selection of participants for this study and the two questionnaires that will be utilized to screen participants for this study and the second part will involve the participants selected for this study answering three questionnaires that explore adolescents' relationships with their parents and peers. An example of the type of questions that will be asked:

(a) My mother/father/friends accept me as I am.
(b) I can count on my mother/father when I need to get something off my chest.
(c) My mother/father cares about me and accepts me the way I am.
(d) My parents don't trust me.
(e) I wish my parents would understand who I really am.
(f) My parents know everything there is to know about me.

The study will take place outside of the regular school schedule so as to not interfere with the students' school work. All information will be kept confidential. The participants can withdraw any time from this study. The results will be available through the Greater Victoria School District office upon its completion.
APPENDIX I ..........

Please sign this informed consent form and return it to the Main Office of the school if you want to participate in this study. If you have any further questions, please contact me at 652-4142 (work) or 652-9705 (home).

Thank you for your assistance.

I ______________________________ agree to take part in the above study conducted by Sandra Elder. I understand that I will be expected to complete two questionnaires in the first part of the study which is the selection of the participants and three questionnaires in the second part of the study as a participant in this study.

Sincerely,

Sandra Elder
APPENDIX I ........

INFORMED CONSENT FORM

Dear (Parents' Name)

I am a graduate student at the University of Victoria in the Faculty of Education, Department of Psychological Foundations working under the supervision of Dr. Don Knowles (#721-7799). I will be conducting a study that will help me to further understand adolescent development and their relationships with parents and peers. This study will involve sixty adolescents between the ages of twelve to sixteen years old. Thirty of the adolescents will be from one parent families (father died) and thirty adolescents will be from two parent families (living with both mother and father). There will be two parts to the study: the first part will involve the selection of participants for this study and the two questionnaires that will be utilized to screen participants for this study and the second part will involve the participants selected for this study answering three questionnaires that explore adolescents' relationships with their parents and peers. An example of the type of questions that will be asked:

(a) My mother/father/friends accept me as I am.
(b) I can count on my mother/father when I need to get something off my chest.
(c) My mother/father cares about me and accepts me the way I am.
(d) My parents don’t trust me.
(e) I wish my parents would understand who I really am.
(f) My parents know everything there is to know about me.

The study will take place outside of the regular school schedule so as to not interfere with the students’ school work. All information will be kept confidential. The participants can withdraw any time from this study. The results will be available through the Greater Victoria School District office upon its completion.
APPENDIX I 

Please sign this informed consent form and return it to the Main Office of the school if you want to participate in this study. If you have any further questions, please contact me at 652-4142 (work) or 652-9705 (home).

Thank you for your assistance.

I hereby give my/our consent for my/our child

____________________ to take part in the above study.

(name)

____________________

Parent(s) Signature

Sincerely,

Sandra Elder
<table>
<thead>
<tr>
<th></th>
<th>Total Structure</th>
<th>Affect</th>
<th>Communication</th>
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<td><strong>P</strong></td>
<td><strong>P</strong></td>
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<td>Nondependence</td>
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<tr>
<td>Deidealization</td>
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TABLE 13
F-DECEASED GROUP - FEMALES

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<tr>
<th>EMOTIONAL AUTONOMY SCALE</th>
<th>FAMILY FUNCTIONING IN ADOLESCENCE</th>
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<tr>
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<td>Emotional Autonomy</td>
<td>Inventory of Parent/Peer Attachment of Peers</td>
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### TABLE 17

ANOVA

**INTACT GROUP - FEMALES**

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TABLE 18

ANOVA

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<th>INVENTORY OF PARENT/PEER ATTACHMENT</th>
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F-DECEASED GROUP - MALES
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<tbody>
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<td>ANOVA</td>
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<td>PEERS</td>
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<p>| TOTAL     | .63 |
| INDIVIDUATION | .63 |
| PARENTS-AS-PEOPLE | .75 |
| NONDEPENDENCE   | .35 |
| DEIDEALIZATION  | .76 |</p>
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<td>Parents/People Nondep</td>
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<tr>
<td>Peers</td>
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**Intact Group - Males**

| Total Indiv | Parents/People Nondep | Deidealiz |
| Peers | .42 | .01 | .22 | .12 | .58 |

**Intact Group - Females**

| Total Indiv | Parents/People Nondep | Deidealiz |
| Peers | .24 | -.06 | .14 | .54 | -.05 |

**F-Deceased - Males**

| Total Indiv | Parents/People Nondep | Deidealiz |
| Peers | .43 | .14 | .22 | .29 | -.30 |

**F-Deceased - Females**

<p>| Total Indiv | Parents/People Nondep | Deidealiz |
| Peers | .15 | .06 | -.11 | .46 | .13 |</p>
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\( P < 0.0001 \)
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TABLE 25

UNIVARIATE ANALYSIS FOLLOWING MANOVA

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**UNIVARIATE ANALYSIS FOLLOWING MANOVA**

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TABLE 27

ANALYSIS OF VARIANCE FOR THE FATHER-DECEASED GROUP (MALES AND FEMALES) LEVEL OF MOTHER ATTACHMENT SCORES AND TOTAL SCORES ON THE EMOTIONAL AUTONOMY SCALE
N=29

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TOTAL GROUP

FAMILY FUNCTIONING IN ADOLESCENCE QUESTIONNAIRE

FIGURE R - COMMUNICATION SCORE

GROUP

INTACT

F-DECEASED

8.0 12.0 16.0 20.0 24.0
INTACT GROUP

FAMILY FUNCTIONING IN ADOLESCENCE QUESTIONNAIRE

FIGURE S - TOTAL SCORE

GROUP

MALE

FEMALE

FIGURE T - STRUCTURE SCORE

GROUP

MALE

FEMALE

FIGURE U - AFFECT SCORE

GROUP

MALE

FEMALE
INTACT GROUP

FAMILY FUNCTIONING IN ADOLESCENCE QUESTIONNAIRE

FIGURE V - COMMUNICATION SCORE

GROUP

MALE

FEMALE

*  

\[
\begin{array}{ccccc}
8.0 & 12.0 & 16.0 & 20.0 & 24.0 \\
\end{array}
\]

\[ \text{figc} \]
FATHER-DECEASED GROUP

FAMILY FUNCTIONING IN ADOLESCENCE QUESTIONNAIRE

FIGURE Z - COMMUNICATION SCORE

GROUP

MALE

FEMALE

8.0 12.0 16.0 20.0 24.0 28.0
FATHER-DECEASED GROUP

EMOTIONAL AUTONOMY SCALE

FIGURE DD - PARENTS-AS-PEOPLE SCORE

GROUP

MALE

FEMALE

FIGURE EE - DEIDEALIZATION SCORE

GROUP

MALE

FEMALE
INTACT GROUP

EMOTIONAL AUTONOMY SCALE

FIGURE II - PARENTS-AS-PEOPLE SCORE

GROUP

MALE

FEMALE

FIGURE JJ - DEIDEALIZATION SCORE

GROUP

MALE

FEMALE
TOTAL GROUP

INVENTORY OF PARENT AND PEER ATTACHMENT

FIGURE F - ATTACHMENT TO MOTHER SCORE

GROUP

INTACT

F-DECEASED

0 30 60 90 120 150

FIGURE G - ATTACHMENT TO FATHER SCORE

GROUP

INTACT

F-DECEASED

0 30 60 90 120 150

FIGURE H - ATTACHMENT TO PEERS SCORE

GROUP

INTACT

F-DECEASED

0 30 60 90 120 150