

## **Love and Sex in the Time of Adolescence**

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### **I. Romantic Behavior and Perceptions of the Meaning of the Term „Dating Somebody“**

There are not many issues that hold such a prestigious position in fiction or lyrics as being in love and love in all its forms. This can be also viewed as a proof of how significant this experience is in human life. Romantic relationships in adulthood represent a deeply embedded and fairly frequent topic in counseling and clinical practice, as well as in empirical research in psychology of intimate relationships. As opposed to that, adolescent romantic relationships represent a relatively new topic in research (Brown, Feiring, & Furman, 1999); the development of its examination follows the developmental line of interest in adolescent intimate relationships in the direction away from relationships with parents, over peer relationships in a group, to the phenomenon of friendship and first platonic relationships. It is these relationships in particular that appear as crucially important in the adolescence period, they are in the centre of attention and tend to be accompanied by deep and intensive emotional experiencing. However, the surrounding world of adults tends to underestimate their importance and perceive their character as superficial and transient. Nevertheless, the fact itself that a teen in middle adolescence spends up to 8 hours a week thinking about an existing or potential partner (Richards, Crowe, Larson & Swarr, 1998) and that the frequency of real interactions with a romantic partner exceeds the number of interactions with parents, siblings and friends (Laursen & Williams, qtd. acc. to Bouchey & Furman, 2003) illustrates the irreplaceable role of this type of relationship in the development of an individual. Early romantic relationships are significant also for the consequent formation of long-term and mature relationships in adulthood (Sorensen, 2007).

The term of romantic relationships is used to refer to a wide range of adolescent behavior and experiencing including both mere imagined images of an ideal partner and also intimate interactions with a real partner spreading over a shorter or longer period of time. These relationships may but need not necessarily be declared as a “relationship” within the peer group, family or even the dyad itself (Brown, Feiring, & Furman, 1999). How widely adolescent romantic relationships can be perceived is documented e.g. by C. Leaper and K. J. Anderson (1997) claiming that often even adolescents themselves express their insecurity over whether their relationship is only a close heterosexual friendship or already a romantic

relationship. Thus, romantic relationships between adolescents can take on various forms – adolescents enter relationships resembling by its character more likely an intense friendship or they establish such romantic relationships in which, besides mutual physical attraction and appeal leading to the fulfillment of their sexual needs, there is also a reciprocal provision of emotional support, and partners can already mutually fulfill the role of a primary attachment figure. Some young people enter relationships including the start of sexual life very early; others, on the contrary, have this experience involuntarily much later. There is also a group of adolescents who refuse this experience despite the real possibilities that are available for them and avoid a romantic relationship up until late adolescence or early adulthood. Moreover, also the experiencing of this relationship varies. Some adolescents experience their relationship very intensively and there is also an open declaration of commitment to the public; other adolescents (as well as young adults) more likely search and experiment within these relationships and do not want to commit themselves to a partner yet. There is also a group of adolescents who in this developmental period prefer more likely school or their hobbies to their love life. Also the contents of evaluating the contribution of romantic relationship are relatively rich and varied – some adolescents describe warmth and support provided by their partner; as opposed to that, others speak of relationships accompanied by disappointment, misunderstandings and conflicts.

The afore-mentioned high variability of the form of romantic relationships in adolescence is regarded as one of the major causes of the relatively low frequency of this issue in empirical research in the recent past (e.g. Brown, Feiring, & Furman, 1999; Collins, 2003). In recent years, nevertheless, there has been a growth in studies focused in this way (Weichold & Barber, 2008). The aim of these studies is the description itself of the examined phenomenon (Feiring, 1996); furthermore, depiction of developmental dynamics (Seiffge-Krenke, 2003), observing considerable influences that can affect the form of early romantic relationships (in this field prevails examining the quality of parent-child relationships and peer relationships in the role of predictors of the form of romantic relationships, e.g. Collins & Van Dulmen, 2006). Moreover, also possible consequences and correlations of this phenomenon in other areas of psychological development are studied, such as adolescent self-assessment and self-perception, psychopathologic phenomena, risk behavior, academic aspirations (Joyner & Udry, 2000; Cooper, Shaver, & Collins, 1998; Quatman, Sampson, Robinson, & Watson, 2001).

*Representation of the notion of “dating somebody” in the ELSPAC study (13 – 15 – 17 years of age)*

Due to the afore-mentioned fact that adolescents describe their romantic relationships and experience with them in very different ways, we can regard as useful and relevant to adopt a descriptive approach (Feiring, 1996), aimed to examine what adolescents themselves (especially in early and middle adolescence) view as a romantic/intimate relationship and what they conceive of this notion or what value it represents for them. In the longitudinal survey of adolescents – respondents of the ELSPAC study, the representation of what “dating somebody” means for adolescents was examined already in the early adolescence period (at the age of 13) and then repeatedly in other waves of examinations (15 and 17 years of age). Cross-section analyses and pilot studies introducing the form of romantic relationships in the individual periods as well as the description of the trajectories of this representation were presented step by step in partial publications (13 years of age – Lacinová & Michalčáková, 2006; 15 years of age – Lacinová & Michalčáková, 2008; Lacinová, Michalčáková, & Masopustová, 2008; a pilot study on the development of the representation of the notion at the age of 13, 15 and 17 – Lacinová & Michalčáková, 2010).

To categorize adolescents’ responses about what “they think dating somebody means”<sup>1</sup>, a concept by W. Furman and E. A. Wehner (1997) was adopted, characterizing romantic relationship in adolescence by the presence of four behavioral systems: attachment, affiliation, caretaking and sex/reproduction. Their key idea is that during the development of the romantic relationship partners can become a mutual attachment figure on whom the afore-mentioned behavioral systems are focused if activated (it means that adolescent partners can offer each other company, friendship, help and care, closeness, sharing and sexual satisfaction). The choice of this theoretical conception for the processing of data acquired within the presented longitudinal research stemmed especially from the fact that it was formulated by Furman and Wehner (1997) in connection to the attachment theory to explain the developmental dynamics of romantic relationships – particularly in the adolescence period

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<sup>1</sup> Questions about the representation of the intimate relationship were asked within a semi-structured interview and the responses were analyzed as a whole, i.e. we examined the occurrence of individual answers belonging to pre-prepared categories within answers to all the following questions:

- 1) What do you think dating somebody means?
- 2) In what do you think it can be nice?
- 3) In what do you think it may not be nice?
- 4) Which qualities should your life partner have, what is most important for you?
- 5) Which qualities should he/she not have?
- 6) Are you dating somebody?
- 7) Which qualities do you like about your boyfriend/girlfriend?
- 8) Which qualities do you not like about him/her?

and that its theses can be used not only to examine the developmental aspects of the form of romantic relationships, but also as a criterion of the categorization of responses describing the romantic relationship and to examine the individual developmental trajectories of this representation.

The individual categories of the representation of romantic relationship were hence created by an analysis of respondents' answers <sup>2</sup> according to the character of the above-mentioned behavioral systems: *attachment* (e.g. safe place, confiding, trust, support, help with problem-solving); *affiliation* (e.g. time spent together, having fun, humor, mutual interests); *physical contact* (e.g. kissing, holding hands, hugging). Another category under our examination was *commitment* (common future, fidelity, declared willingness to make sacrifice for one another, restricting oneself to the benefit of the relationship or the partner), appearing as a significant developmental aspect for the development of adolescent romantic relationships in other major conceptions of the development of adolescent romantic relationships by B. B. Brown (1999) and J. Connolly and A. Goldberg (1999). -A number of adolescents used very general formulations in the interview to describe the "dating somebody" phenomenon. These answers, including e.g. only a mere expression of mutual affection at a most general level (e.g. like each other), were not included into the consequent analyses. Besides the representation of romantic relationship, adolescents' personal experience with this type of relationship was examined in all the periods as well. Within the administration of other psychological methods by means of computers, respondents were also presented some statements<sup>3</sup>, with which they either agreed or disagreed. At the age of 13, 18.4% respondents<sup>4</sup> reported to have had experience with a romantic relationship, 73.2% respondents at the age of 15 and 84.4% respondents at the age of 17. Statistically significant growth was confirmed among all the ages under our examination (Cochran's Q = 184.06; p=.000).

In the following table 1, there is a proportionate representation of the individual categories at the age of 13, 15 and 17.

Table 1: Occurrence of the individual categories in the examined issues (in %)

	13 years	15 years	17 years
Attachment	12.5	66.7	66.7

<sup>2</sup> Responses of a sub-sample composed of 96 respondents were analyzed (54% boys; 46% girls), with whom a semi-structured interview was conducted in three waves of data collection.

<sup>3</sup> There were the following statements: 1. I am dating somebody at present. 2. No, I am not dating anybody at present, but I used to. 3. I have never dated anybody so far.

<sup>4</sup> Responses of a sub-sample composed of 179 respondents were analyzed (55% boys; 45% girls), whom a PC methods were administered in three waves of data collection.

Affiliation	61.5	68.8	75.0
Physical contact	17.7	22.9	24.0
Commitment	1.0	47.9	55.2

A significant change was found in the examined period (i.e. in the sense of growth) in the categories of attachment (Cochran's  $Q=74.08$ ;  $p<.001$ ) and commitment (Cochran's  $Q=69.25$ ;  $p<.001$ ). No significant change was detected in the period under our examination in the occurrence of the affiliation category, which is also the most frequently used characteristic for the form of “dating” as such (Cochran's  $Q=4.62$ ;  $p=.099$ ), similarly to the category of physical contact (Cochran's  $Q=1.51$ ;  $p=.469$ ).

*Development of the representation of the notion of “dating somebody” in the ELSPAC study (at the age of 13-15-17)*

As was mentioned above, Furman and Wehner (1997) represent in their conception not only the individual components characterizing the form of romantic relationships in adolescence, but also how they gradually emerge in the course of adolescence and slowly integrate into the form of a full-fledged romantic relationship on the threshold of adulthood. It is from this developmental perspective that the authors claim that romantic relationships of early adolescents can be first characterized mainly by their behavior, which manifests the activation of two behavioral systems: affiliation and sexual/reproduction system (at the beginning of adulthood, feelings of mutual attraction start to occur and there are first attempts and explorations on the field of sexuality). The presence of behavior related to the activation of the attachment system and the caregiving system complementing it are typical more likely of late adolescence and early adulthood. Their functioning is enabled by the gradually increasing length of intimate relationships (Furman, 2002). During adolescence, the hierarchy of attachment figures changes, the partner becomes the main and most frequently sought source of support in a stressful situation (Furman & Wehner, 1997).

In their conception of the development of romantic relationships, B. B. Brown (1999) and J. Connolly and A. Goldberg (1999) accentuate the significance of peer context and describe four developmental stages of these relationships:

1) *initiation phase*: c. 11—13 years of age; according to Brown, it is characteristic of reorienting social needs on peers of the opposite sex; adolescents gradually expand their self-image by the role of self as a potential romantic partner; Connolly and Goldberg refer to the first stage as the initial infatuation stage. The basic signs of this stage are physical attraction and passion; however, they need not be accompanied by particular targeted interaction.

2) *status phase*: c. 14—16 years of age; according to Brown, it is associated with a growing social pressure from the peer group to have a partner that is positively assessed and accepted by this group. On the contrary, an inappropriate partner can lower adolescent’s social status. Connolly and Goldberg speak of this period as a stage of affiliative romantic relationships when partner dyads have not been established yet; nevertheless, they gradually acquire a “romantic touch” and meeting potential partners takes place in larger, mixed-gender groups.

3) *affectionate phase*: 17-20 years of age; in this phase, Brown points out the transition of relationships from the public space of a peer group into an intimate – dyadic space; the relationship is viewed more as a personal matter, whilst the peer group’s influence diminishes. Partners in relationships defined in this way experience deeper feelings of commitment; the repertoire of intimate behavior is enriched by the so-called caregiving behavior and there is a rise in dyadic sexual activity. The peer social network is reduced to a smaller circle of friends of both sexes, which provides adolescents with a space to share their experience with meeting, mutual intimate behavior and support in case of a breakup. Connolly and Goldberg call this period a stage of intimate romantic relationships when the romantic relationship is formed and consequently declared and the role of the peer group steps aside.

4) *bonding phase*: c. around 21 years of age; according to Brown, the relationship depth typical of the previous stage is preserved and extended by a pragmatic perspective. The central topic is the question of whether the given partner meets the requirements subjectively imposed on a life-long partner. According to Connolly and Goldberg, at this stage, which they call committed romantic relationship, combines attraction, intimacy, mutual caregiving and many times it leads to a marriage.

In Table 2, there is the occurrence of *developmental trends* for the individual categories of the representation of romantic relationship, as it was reported by the respondents of the ELSPAC study.

Table 2: Occurrence of the *developmental trends* of the representation of the notion of “dating somebody” (in %)

progress n=96	Attachment	Affiliation	Physical contact	Commitment
Growing	54.2	28.1	15.6	54.2
Declining	0.0	14.6	9.4	0.0
Mixed	21.9	14.6	17.7	17.7
Constant (0)	14.6	5.2	52.1	28.1
Constant (1)	9.4	37.5	5.2	0.0

Most adolescents show in their answers that can be included into the categories of *attachment and commitment* a growing trend. -The most numerous in the category of *physical contact* is the constant (0) trend – over a half of the respondents did not report a statement belonging to this category in any of the examined periods; on the contrary, the most frequent trend in the *affiliation* category is constant (1), where more than a third of the respondents always stated for the representation of “dating” a characteristic related to the affiliative aspects of the relationship. It can be assumed from the afore-mentioned results, based on the most frequently reported trends of the individual categories, that in the period between 13 and 17 years of age, adolescent ideas of a romantic relationship are characterized by a growing importance of the partner as a source of support and security (growing trend of attachment) as well as an intensified awareness of *commitment*, which was defined negatively to a large degree -by the respondents as a certain restriction stemming from the exclusiveness of the relationship with the partner (e.g. lack of time for friends and hobbies). Simultaneously, in these two characteristics no occurrence of a falling trend was detected in the period under our examination. Affiliation in the sense of friendship, spending leisure time and also very often in the sense of characterizing the romantic relationship as a “deeper or little different friendship” represents a stable part of relationship for a majority of adolescents. Over a third of the respondents reported an affiliative characteristic in all three examined periods and a growing trend appeared in this characteristic in nearly a third of the respondents. Over a half of the respondents did not report the characteristic of “dating somebody” in the intentions of physical contact when face to face with an adult examiner conducting the semi-structured interview in any of the three periods. Even though mutual attraction and the presence of physical contact is exactly the aspect differentiating romantic relationship from deep heterosexual friendship and which appears already at the very beginning of development of this type of relationship, the adolescents do not really mention it during the interview: It may be caused by the embarrassing experience, lack of willingness to discuss such intimate manifestations with an adult and social desirability to give answers in the context of a long-time participation in a longitudinal study, during which respondents’ parents were involved relatively intensively. The differences between answering in a direct contact with an examiner and via self-report, e.g. administration by PC, are hence caused by the fact that the self-reporting option provides respondents with a greater degree of intimacy and privacy. Nevertheless, the form and direction of the response style (i.e. overestimating or concealing experience of intimate or even sexual character) cannot be described as consistent. Similar “inconsistencies” in reporting experience with dating in the adolescence period is mentioned

in the context of the current or retrospective perspective also by Shulman and Sharf (2000). While 64.8% fourteen-year-old adolescents claim in their study to have had experience with “dating”, this experience is reported only by 22% adolescents older by two years. This unexpected trend can be explained both by a changed representation of what older adolescents regard as real “dating somebody” as opposed to younger adolescents, -but also by a growing share of experienced intimacy in these relationships and hence also the lack of willingness to discuss it with a researcher or even admit its existence.

The development of the representation of romantic relationships in the period between early and late adolescence stemming from the description of individual trends in the occurrence of categories that adolescents use to delineate it is in accordance with the above-mentioned theoretical conceptions by Furman and Wehner (1997), Brown (1999), Connolly and Goldberg (1999), but for instance also with empirical results of the studies by Feiring (1996) or Shulman and Sharf (2000).

## II. Sexuality in the adolescence period

Romantic relationships in adolescence are significant as it is in this period that adolescents have their first sexual experiences (Bearman & Bruekner, 2001; Brown, Feiring, & Furman, 1999). It is well known from developmental studies that during the period of adolescence children extricate themselves from parental control and start spending more time with their peers, who convey their first erotic experiences to them. Simultaneously, there are rapid physiological changes, especially at the beginning of adolescence. These can be a catalyst for adolescents’ interest in sexuality (Weinstein & Rosen, 1991). This interest in sexuality becomes stronger with age (Furman & Werner, 1997) to the degree that sexual behavior becomes an integral part of adolescent life (Savin-Williams & Diamond, 2004).

Similarly, it is evident from the aforementioned longitudinal ELSPAC study that 15-year old adolescents have already had sexual experiences, with variation in the frequency of the different types of sexual activity experienced. Adolescents had the most experience with kissing, and the least with coitus. A similar trend of sexual behaviors also occurred in the age group 17 years.

Table 3 Frequency of sexual behaviors at the age of 15 (N= 539?) and 17 (N=446?)

	15 years old	17 years old
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Sexual experience in real life	Yes	%	Yes	%
Kissing	390	72,4	402	90,1
Petting, embracing or caressing someone's intimate parts	166	30,9	350	78,8
Oral sex	62	32,5	214	61,3
Sexual intercourse	37	19,4	189	40,9

However, it is remarkable that there were no significant differences between fifteen-year-old boys and girls, while at the age of 17, girls demonstrated greater experience with petting than boys (Ševčíková & Konečný, 2011). Despite this difference, which may have been caused by differing perceptions of the importance of individual sexual activities, the results show a gradual broadening of sexual experience, moving towards more intimate forms of sexual behavior. Therefore, due to its prevalence, sexual intercourse seems to represent a base for the examined sexual activities in adolescence. Further, the widespread occurrence of oral sex compared to sexual intercourse is interesting, especially at age 15. Likewise, an American study showed that adolescents between 15 and 19 had more experience with oral sex than with sexual intercourse, even though this activity is much more common in those who have already experienced vaginal intercourse (Duberstein Lindberg, Jones, & Santelli, 2008). If the other advantages of oral sex are ignored, such as a the reduced risk of pregnancy, then the legal minimum age for having sex, 15 in the Czech Republic, likely plays a role in its widespread occurrence.

#### *Predictors of sexual behavior*

That adolescents become sexually active depends on a number of factors, as is evident from the large amount of research conducted (e.g. by Markham, Normand, Gloppen et al., 2010). The frequently discussed predictors include: physiological maturity, attachment to parents, quality of peer relationships, school, and forms of risk behavior such as substance abuse. To be more exact, it becomes evident that an earlier start to sexual life goes hand in hand with more advanced physiological maturity (Bearman & Brukner, 2001; Udry, 1988) and substance abuse (Bellis, Hughes, Calafat et al., 2008; Kuortti & Kosunen, 2009). Similarly, adolescents' looser attachment to parents and school tends to be associated with an early sexual debut (Bearman & Brukner, 2001; Hope & Chapple, 2004; Small & Luster, 1994). In contrast, positive peer relationships can encourage adolescents' sexual behavior (Crockett, Bingham, Chopak, & Vicary, 1996).

The prominence of the individual factors affecting the start of sexual life (Bearman & Brukner, 2001) vary with age, for example, puberty and attachment to parents affect sexual debut only in the period of early adolescence, not in the later stages. Similarly, school attachment has an impact in early and middle adolescence, while in contrast; romantic relationships have the greatest influence on the initiation of sexual behavior in middle and late adolescence.

Using the data acquired in the longitudinal study ELSPAC, other inhibitory or accelerating factors affecting sexual life in the adolescence period were examined; more precisely, how positive and negative predictors at the age of 15 are related to predetermine sexual behavior at the same age and predetermine sexual activities at 17. The analysis showed that variables such as experience with romantic relationship, advanced physical maturity, weak school attachment and substance abuse ~~had an impact on~~ were associated with sexual behavior at the age of 15 (Ševčíková, Vazsonyi, & Konečný, submitted). However, it was detected that except for 2 factors – experience with romantic relationship and substance abuse, the variables tested above had only an indirect influence on sexual behavior at the age of 17, and this was mediated through the sexual behavior which occurred at the age of 15. It was only experience with a romantic relationship and substance abuse that were predictors with both direct and indirect impacts on sexual behavior at the age of 17. It is interesting to point out, that among the factors affecting sexual behavior at the age of 17, secure relationship to peers also ranked above the limit of significance ( $p= 0.051$ ). -The findings cited above prove that there are changes in the predictors of sexual behavior between the ages of 15 and 17 years. To be more exact, the influence of variables having a negative connotation (i.e. weak attachment to parents and school) seems to recede with age in favor of developmental predictors, e.g. romantic relationships (cf. Bearman & Brukner, 2001; Brown, Feiring, & Furman, 1999). Moreover, also the factor of physiological maturity loses importance with age, which corresponds with findings included in a study by Bearman and Brukner (2001). If we take into the account the influence of physical maturity on sexual behavior, then this study points out the necessity of sexual education in adolescence and further, to the need to make sexually relevant information available for those adolescents whose physiological maturity is prematurely developed.

Last but not least, the findings imply that besides the developmentally conditioned factors of sexual behavior, there are behaviors in society that can support sexual activity across various ages. One of them is substance abuse. Following on from the previous survey, the need for prevention of alcohol and drug abuse must be stressed, as this poses a risk not

only regarding premature initiation of sexual life and unwanted pregnancy, but also due to increased risk of catching sexually transmitted diseases (see Cook & Clark, 2005).

### *Adolescents, sexuality and the Internet*

Sexuality generally represents an area of life that tends to be concealed from others. Even though there are tendencies to discuss it openly, asking intimate questions remains a taboo. Therefore, it can be more acceptable for adolescents to express their sexual experiences in the anonymous Internet environment, where they need not censor their own psycho-sexual experiences and where they can, get acquainted with sexual content without being ashamed. From previous studies it is already well known that adolescents use the Internet in a broad context, e.g. to search for sexually relevant information (Graya, Klein, Noyce, Sesselberg, & Cantrill, 2005; Suzuki & Calzo, 2004), establish romantic relationships, experiment with online sexual representations (Subrahmanyam, Smahel, & Greenfield, 2006; Smahel & Subrahmanyam, 2007), email erotic pictures (Lenhart, 2009), cybersex (Vybiral, Smahel, & Divínová, 2004) and watch pornographic material (Ybarra & Mitchell, 2005).

There are many questions to be asked regarding the relationship of the media to sexual development. One of the most frequently addressed research problems is the topic of the media's influence on sexual attitudes and behavior, i.e. how being exposed to sexual material can affect adolescent sexual behavior (see the critical recapitulation of this research by Subrahmanya and Šmahel (2011)). Therefore, within the longitudinal research ELSPAC, attention was paid to a different issue, relating to the issues of the relation between the real world and the Internet. Due to the fact that today's adolescents grow up side by side with the Internet, which is an incomparably more interactive environment than television, we regarded it as relevant to ask what the relationship is between using the Internet for sexual purposes and offline sexual behaviors. The aim was to find out whether a lack of offline sexual experience may be related to the use of the Internet for sexual purposes. This assumption stems from a Czech qualitative study carried out by Šmahel (2003), in which adolescent participants engaged in cybersex without having had any experience with offline sex. However, in contrast to the theory of using the Internet to compensate, there is a competing hypothesis which says using the Internet for sexual purposes will be more likely in a group of adolescents who are already sexually active in the physical world. This hypothesis goes hand in hand with the fact that adolescents use the Internet to keep in touch with offline peer groups (Gross, 2004), as well as to maintain offline romantic relationships (Subrahmanyam & Šmahel, 2011), i.e. not only to make new intimate contacts (Subrahmanyam et al., 2006).

The cross sectional study conducted on 17-year-old adolescents in the ELSPAC research clearly showed that adolescents who had experienced only one of the following activities – kissing, petting, oral sex or sexual intercourse used the Internet for sexual purposes more often<sup>5</sup> (Ševčíková & Konečný, 2011). Nevertheless, it was revealed that individuals who had reported experience both with kissing and petting did not differ in using the Internet for sexual purposes. Comparing the other two groups, the same relationship was found also in the experience with oral sex and sexual intercourse. The only significant difference was identified between adolescents who had already experienced kissing or petting, and those who had had oral sex or sexual intercourse; the group with greater sexual experience used the Internet for sexual purposes much more in comparison with the less experienced group.

A possible explanation of why the compensation mechanisms of using the Internet for sexual purposes were not confirmed could be the period itself, the beginning of late adolescence. The examination took place on 17-year-olds where differences in physiological development inciting the interest in sexuality are more likely negligible within peer groups. However, these differences are much more prominent in early adolescence, which may result in the casting out of individuals who are more physically developed, and hence also making it more difficult for them to find erotic and sexual stimuli among their peers. This may then cause the more mature individuals to have a greater interest in the Internet, particularly in sexually-oriented exploration.

Moreover, together with the idea of negligible physiological differences at the age of 17, there is also another explanation for the close relationship between offline sexual behaviors and engaging in online sexual activities in seventeen-year-old adolescents. The research was conducted on an age group which is at the threshold of late adolescence, when it is legitimate to establish romantic relationships which are the primary context for sexual activities (Bearman & Bruekner, 2001; Brown, Feiring, & Furman, 1999). Nevertheless, there are apparent differences from the published research in the degree of Internet use for sexual purposes based on the level of adolescents' offline sexual experience. We can assume that adolescents attribute varying degrees of intimacy to individual offline sexual activities. For example, one study focused on non-coital sexual activities implies that oral sex is very close

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<sup>5</sup> The dimension of using the Internet for sexual purposes included activities such as obtaining sexually relevant information, talking about sex, discussing sexual experience, exchanging their own photos with a sexual subtext and cybersex.

to vaginal intercourse (Duberstein Lindberg et al., 2008); oral sex occurred in adolescent sexual activities 6 months after starting sexual intercourse. If we take into the account the assumption that offline sexual activities can, to a certain degree, affect using the Internet for sexual purposes, then the development of intimacy in the form of obtaining sexual experience can be reflected in the degree of interest in online sexual activities. As it is a cross-section study, it is necessary to take this interpretation with some circumspection, as some studies confirm that sexual content mediated by the Internet incites adolescents to practice oral or vaginal sex (Brown & L'Engle, 2008). —Besides the afore-mentioned level of offline sexual experience, using the Internet for sexual purposes can be affected by other developmentally conditioned variables. Within the longitudinal research ELSPEC, we examined predictors at the age of 15 for engaging in online sexual activities at the age of 17. It was discovered that besides the extent of physiological maturity, romantic relationships, weak school attachment and substance abuse had an indirect impact on the use of the Internet at the age of 17, while their impact was mediated by offline sexual behavior at the age of 15 (Ševčíková, Vaezsonyi, & Konečný, submitted). Among others, it was surprising to find that physiological maturity and substance abuse had a direct impact on online sexual behaviors. Therefore, the findings imply that in the case of online sexual activities, it is not romantic relationships but the level of physiological maturity that plays a crucial role. Once again, there is a similar explanation to that mentioned above. Physiologically more mature individuals can feel lonely in their environment and thus the Internet for them becomes a suitable mediator, not only to obtain sexually relevant information (Graya et al., 2005; Suzuki & Calzo, 2004) but also to meet somebody or establish intimate contacts (Smahel & Subrahmanyam, 2007).

## **Conclusion**

This chapter introduced romantic relationships in the adolescence period from two various perspectives facilitating a complex view of the development of this type of close relationships in the adolescence period. The representations of the relationship and sexual behaviors in adolescence were examined in our research by various interviewing methods with regard to the character of the examined issue. While the views of the form of a romantic relationship were a part of the interview, capturing the heterogeneity and variability of this phenomenon by means of open and more specifying questions, sexual behaviors were examined in a more confidential environment, which was provided to the respondent by computer administration. By combining these methodological approaches, we were more likely to draw a more realistic

picture of this phenomenon, which is one of the building stones of romantic relationship in adulthood.

## References

- Bearman P, Bruckner H (2001) Promising the future: virginity pledges and the transition to first intercourse. *American Journal of Sociology*, 106, 859–912.
- Bellis, M.A., Hughes, K., Calafat, A., et al. (2008). Sexual uses of alcohol and drugs and the associated health risks: A cross sectional study of young people in nine European cities. *BMC Public Health*, 8(155).
- Bouchey, H. A., & Furman, W. (2003). Dating and romantic experiences in adolescence. In G. R. Adams, & M. Berzonsky (Eds.), *The Blackwell handbook of adolescence* (pp. 313 – 329). Oxford: Blackwell Publisher.
- Brown, B. B. (1999). “You’re going with who?!”: Peer group influences on adolescent romantic relationships. In W. Furman, B. B. Brown, & C. Feiring (Eds.), *The development of romantic relationships in adolescence*. (pp. 291 – 329) London: Cambridge University Press.
- Brown, B.B., Feiring, C., & Furman, W. (1999). Missing the love boat: Why researchers have shied away from adolescent romance. In W. Furman, B.B. Brown, & C. Feiring (Eds.), *The development of romantic relationships in adolescence* (pp. 1-16). New York: Cambridge University Press.
- Brown, D. J., & L’Engle, L. K. (2008). X-Rated: Sexual Attitudes and Behaviors Associated with U.S. Early Adolescents’ Exposure to Sexually Explicit Media. *Communication Research*, ADD.
- Brown, D. J., & L’Engle, L. K. (2008b). X-Rated: Sexual Attitudes and Behaviors Associated with U.S. Early Adolescents’ Exposure to Sexually Explicit Media. *Communication Research*, 36, 129-151.
- Collins, W. A., & van Dulmen, M. (2006). Friendships and romance in emerging adulthood: Assessing distinctiveness in close relationships. In J. J. Arnett & J. L. Tanner (Eds.), *Emerging adults in America: Coming of age in the 21st century* (pp. 219 – 234). Washington: American Psychological Association.
- Collins, W., A. (2003). More than Myth: The Developmental Significance of Romantic Relationships During Adolescence. *Journal of research on adolescence*, 13, 1 – 24.
- Connolly, J., & Goldberg, A. (1999). Romantic Relationships in Adolescence: The role of friends and peers in their emergence and development. In W. Furman, B. B. Brown & C. Feiring, (Eds.), *The Development of Romantic Relationships in Adolescence* (pp. 266–290). New York: Cambridge University Press.

- Cook, R.L., & Clark, D.B. (2005). Is there an association between alcohol consumption and sexually transmitted diseases? A systematic review. *Sexually Transmitted Diseases*, *32*, 156–164.
- Cooper, M. L., Shaver, P. R., & Collins, N. J. (1998). Attachment styles, emotion regulation, and adjustment in adolescence. *Journal of Personality and Social Psychology*, *74*, 1380 – 1397.
- Crockett, L.J., Bingham, C.R., Chopak, J.S., & Vicary, J.R. (1996). Timing of first sexual intercourse: The role of social control, social learning, and problem behavior. *Journal of Youth and Adolescence*, *25*, 89–111.
- Duberstein Lindberg, L., Jones, R. & Santelli, J.S. (2008). Noncoital sexual activities among adolescents. *Journal of Adolescent Health*, *43*, 231-238.
- Feiring, C. (1996). Concepts of romance in 15-year-old adolescents. *Journal of Research on Adolescence*, *6*, 181 – 200.
- Furman, W. (2002). The emerging field of adolescent romantic relationships. *Current Directions in Psychological Science*, *11*, 177 – 180.
- Furman, W., & Wehner, E. A. (1997). Adolescent romantic relationships: A developmental perspective. In S. Shulman & A. Collins (Eds.), *Romantic relationships in adolescence: New directions for child development* (pp. 21–36). San Francisco: Jossey-Bass.
- Graya, N.J., Klein, J.D., Noyce, P.R., Sesselberg, T.S., & Cantrill, J.A. (2005). Health information-seeking behavior in adolescence: the place of the internet. *Social Science & Medicine*, *60*, 1467–1478.
- Gross, E. F. (2004). Adolescent Internet use: What we expect, what teens report. *Journal of Applied Developmental Psychology*, *25*(6), 633-649.
- Hope, T.L., & Chapple, C.L. (2005). Maternal characteristics, parenting, and adolescent sexual behavior : The role of self-control. *Deviant Behavior*, *21*, 25-45.
- Joyner, K., & Udry, J. R. (2000). You don't bring me anything but down: Adolescent romance and depression. *Journal of Health and Social Behavior*, *41*, 369 – 391.
- Kuortti, M., & Kosunen, E. (2009). Risk-taking behavior is more frequent in teenage girls with multiple sexual partners. *Scandinavian Journal of Primary Health Care*, *27*, 47-52.
- Lacinová, L. , & Michalčáková, R. (2008). Early Romantic Relationships. In S. Ježek, & L. Lacinová (Eds.), *Fifteen-Year-Olds in Brno: A Slice of Longitudinal Self-Reports* (pp. 19-24). Brno: Masarykova univerzita.
- Lacinová, L., & Michalčáková, R (2010). První lásky aneb vývoj reprezentace pojmu „chodit s někým“ během dospívání: pilotní studie. *Pedagogicko-psychologické poradenství*, *59*, 19 – 26.

Lacinová, L., & Michalčáková, R. (2006). Romantické vztahy. In P. Macek & L. Lacinová (Eds.), *Vztahy v dospívání* (pp. 55 – 68). Brno: Barrister&Principal.

Lacinová, L., Michalčáková, R., & Masopustová, Z. (2008). Láska je láska: představy a zkušenosti patnáctiletých adolescentů. *E-psychologie [online]*, 2, 16 – 29 [cit. 6. 12. 2010]. Dostupný z www: <<http://e-psycholog.eu/pdf/lacinovaetal.pdf>>.

Leaper, C., & Anderson, K. J. (1997). Gender development and heterosexual romantic relationships during adolescence. In S. Shulman & W. A. Collins (Eds.), *Romantic relationships in adolescence: Developmental Perspectives* (pp. 85 – 104). San Francisco: Jossey-Bass.

Lenhart, A. (2009). *Teens and sexting: How and why minor teens are sending sexually suggestive nude or nearly nude images via text messaging*. Washington, D.C.: Pew Internet & American Life Project.

Markham, C.M., Lormand, D., Gloppen, K.M. et al. (2010). Connectedness as a predictor of sexual and reproductive health outcomes for youth. *Journal of Adolescent Health*, 46, S23-S41.

Quatman, T., Sampson, K., Robinson, C., & Watson, C. M. (2001). Academic, motivational, and emotional correlates of adolescent dating. *Genetic, Social, and General Psychology Monographs*, 127, 211 – 234.

Richards, M. H., Crowe, P. A., Larson, R., & Swarr, A. (1998). Developmental Patterns and Gender Differences in the Experience of Peer Companionship during Adolescence. *Child Development*, 69, 154 – 163.

Savin-Williams, R., & Diamond, L. (2004). Sex. In R. Lerner & L. Steinberg (Eds.), *Handbook of adolescent psychology* (pp. 189–232). New York: John Wiley & Sons.

Seiffge-Krenke, I. (2003). Testing theories of romantic development from adolescence to young adulthood: Evidence of a developmental sequence. *International Journal of Behavioral Development*, 27, 519 – 531.

Ševčíková, A., & Konečný, Š. (2011). An exploration of the relationship between real-world sexual experience and online sexual activity among 17 year old adolescents. *Cyberpsychology: Journal of Psychosocial Research on Cyberspace*, 5(1). Retrieved from <http://cyberpsychology.eu/view.php?cisloclanku=2011062702&article=3>

Ševčíková, A., Vazsonyi, A.T., Konečný, Š. (submitted). Predictors of Internet Use for Sexual Purposes and Offline Sexual Behaviors among Adolescents.

Shulman, S., & Sharf, M. (2000). Adolescent Romantic Behaviors and Perceptions: Age- and Gender-Related Differences, and Links With Family and Peer Relationships. *Journal of Research on Adolescence*, 10, 99 – 118.

[Šmahel, D. \(2003\). Souvislosti reálné a virtuální identity dospívajících \[Connections between the real and virtual identity of adolescents\]. In P. Mareš, T. Potočný \(Eds.\), \*Modernizace a\*](#)

[česká rodina \[Families, children, and youth in the age of transformation\] \(pp. 315-330\).](#)  
[Brno: Barrister & Principal.](#)

Smahel, D., & Subrahmanyam, K. (2007). „Any girls want to chat press 911“: partner selection in monitored and unmonitored teen chat rooms. *CyberPsychology & Behavior*, 10, 346-353.

Small, S.A., & Luster, T. (1994) Adolescent sexual activity: An ecological, risk-factor approach. *Journal of Marriage and the Family*, 56, 181–192.

Sorensen, S. (2007). Adolescent romantic relationships. *Research Facts and Findings*. Ithaca, NY: ACT for Youth Center of Excellence, Cornell University, Family Life Development Center.

Subrahmanyam, K. & Šmahel, D. (2011). *Digital youth: The role of media in development*. Springer: New York.

Subrahmanyam, K., Šmahel, D., & Greenfield, P. (2006). Connecting developmental constructions to the Internet: Identity presentation and exploration in online teen chat rooms. *Developmental Psychology*, 42, 395-406.

Suzuki, L.K., & Calzo, J.P. (2004). The search for peer advice in cyberspace: an examination of online teen bulletin boards about health and sexuality. *Applied Developmental Psychology* 25, 685-698.

Udry, R. (1988). Biological predispositions and social control in adolescent sexual behavior. *American Sociological Review*, 53, 709-722.

Vybíral, Z., Smahel, D., & Divínová, R. (2004). Growing up in virtual reality – adolescents and the Internet. In P. Mareš (Ed.). *Society, reproduction, and contemporary challenges* (pp. 169-188). Brno: Barrister & Principal. Retrieved from <http://www.terapie.cz/materials/czech-adolescents-internet.pdf>

Weichold, K., & Barber, B. L. (2008). Introduction to qualities of romantic relationships in adolescence and adulthood. *Newsletter ISSBD. Supplement to International Journal of Behavioral Development*, 32, 1.

Weinstein, E., & Rosen, E. (1991). The development of adolescent sexual intimacy: implications for counseling. *Adolescence*, 26, 331–340.

Ybarra, M. L., & Mitchell, K. J. (2005). Exposure to Internet Pornography among Children and Adolescents: A National Survey. *CyberPsychology & Behavior*, 8, 473-486.