



## REFERENCES

- Abraham, L. & Kumar, K.A, (1999). Sexual experiences & their correlates among college students in Mumbai City, India. Family Planning Perspective, 25, 3, 139-152.
- Abramson, J.H. (1990). Survey Methods in Community Medicine. Epidemiological Studies. Program Evaluation. Clinical Trials. Churchill Livingstone.
- Abramson, P.R. (1983). Implications of the sexual system. In: Byrum D, Fisher W, editors. Adolescent, sex and contraception. (pp 49-60). New Jersey:Lawrence Erlbaum Associated.
- Acok, A., & Bengston, V. (1980). Socialization & attribution processes:Actual versus perceived similarity among parents & youth. Journal of Marriage and the Family, 42, 501-516.
- Advocates For Youth. (2004). Parent-child communication [On line]. Retrieved on 6<sup>th</sup> April, 2004 from <http://www.advocatesforyouth.org/parentchild.htm>.
- Ahlberg, B.M. (1991). Women, sexuality & the changing social order: the impact of government policies on reproductive behavior in Kenya. In Burna, TR., Dieta, T., {Eds}. International Studies in global change, vol 1 (pp 32-56). Gordon & Breach Science Publishers SA.
- Ajayi, A.A., Leah, T., Marangu, J., Miller k., & Paxam, J. (1991). Adolescents Sexuality & Fertility in Kenya: A survey of knowledge, Perceptions & Practices. Studies in Family Planning, 22, 4, 205-216
- Ajzen, I. (1985). From intentions to actions: a theory of planned behavior. In J.Kuhi & J.Beckmann (Eds). Action –Control: From Cognition to Behavior, Heidelberg: Springer-Uerbag.
- Ajzen, I., & Fishbein, M. (1980). Understanding attitudes and predicting social behavior. Englewood Cliffs. NJ: Prentice-Hall.
- Ajzen, L. (1985). From Decisions to Actions: A Theory of Planned Behavior. Pp. 11-39 in Ajzen L. Action-Control: From Cognition to Behavior, edited by J. Kuhl & J. Beckmann. Heidelberg: Springer.
- Ajzen, L. (1988). Attitudes, Personality & Behavior. Chicago: Dorsey Press.

- Albert, B., Brown, S., & Flanigan, C., (Eds.). (2003). 14 and Younger: The Sexual Behavior of Young Adolescents (Summary). *National Campaign to Prevent Teen Pregnancy*. 2003.[On line]. Retrieved on 15<sup>th</sup> June, 2004 from <http://www.teenpregnancy.org/resources/reading/pdf/14summary.pdf>.
- Alexander, E., & Hickner, J. (1997). First Coitus for adolescents: understanding why and when. *Journal American Board Family Practice*, 10, 2, 96-103.
- Allen, J. P., Philliber, S., Herrling, S., & Kuperminc, G. P. (1997). Preventing teen pregnancy and academic failure: Experimental evaluation of a developmentally-based approach. *Child Development*, 64, 729-742.
- Allgeier, E.R., & Allgeier, A.R., (1991). *Sexual interactions*. Lexington, MA:DC. Health & Company.
- American Statistical Association. (1997). Pretesting. [Online]. Retrieved on 21 May, 2004, from <http://www.amstat.org/sections/srms/brochures/pretesting.pdf>.
- American Academy of Pediatrics Committee on Bioethics. (1995). Informed consent, parental permission, and assent in pediatric practice. *Pediatrics*, 95, 2, 314-317.
- Anonymous. (1997). Adolescent Reproductive Health. Introduction. *Network*. 17, 9
- Armden, G.G, Greenberg M.T. (1987). Inventory of parents & peer attachment: Individual differences in their relationship to psychological well-being in adolescence. *Journal of Youth and Adolescence*, 16, 427-454
- Ary, DV., Duncan, TE., Biglan, A., Metzler, CW., Noell, JW., and Smolkowski, K. (1999). Development of adolescent problem behavior. *Journal of Abnormal Child Psychology*, 27, 2, 141-50
- ARH Program, (2004). [Online]. Retrieved on June, 24<sup>th</sup>, 2004 from [http://www.aisa=initiativeorg/laos\\_youth.html](http://www.aisa=initiativeorg/laos_youth.html)
- Ary, D.V., Duncan, T.E., Duncan, S.C., Hops, H. (1999). Adolescent problem behavior: the influence of parents and peers. *Behavior Research Therapy*, 37, 3, 217-30
- Ary, D.V. (1999). Development of adolescent problem behavior. *Journal of Abnormal Child Psychology*, 27, 141-150.
- Australia /Lao Red Cross. (1995). A survey of Knowledge, attitudes and practice on HIV/AIDS and sexual behaviors. Unpublished report.

- Australia /Lao Red Cross. (2001). How we know what's working. Unpublished Report.
- Babbie, E. (1994). The practice of social research (7th ed.). Belmont, California: Wadsworth. Nye & Berardo Publishing.
- Baker, T.L. (1998). Doing Social Research. 3<sup>rd</sup> ed. S.I.: McGraw-Hill College.
- Bandura, A. (1977). Social learning theory. Englewood Chiffs. N.J. Prentice Hall.
- Barber, B.K. (1997). Adolescent socialization in context. The role of connection, regulation, & autonomy in the family, school, & neighborhood & with peers. Journal of Adolescent Research, 12, 5-11.
- Barber, B.J., Thomas, DL., Maughan, S.L. (1998). Central dimension of parent-child relation & autonomy in the family, school & neighborhood & with peers. Journal of Adolescent Research, 12, 287-315.
- Barber, K., & Allen, K. (1992). Women & Families: Feminist Reconstructions. New York: The Guilford Press.
- Barmer, D.H., Gikundi, E., Kanyotu, M., Waithaka, R. (1995). The negotiating strategies determining coitus in stable heterosexual relationships. Health Transition Review, 5, 85-95.
- Barnes, H. L., & Olson, D. H. (1985). Parent-adolescent communications and the circumflex model. Child Development, 56, 438-447.
- Baumrind, D. (1989). Rearing competent children. In Dumon W. (Ed). Child Development Today & Tomorrow. San Francisco. California. Jossay-Bass inc. 349-378.
- Beaglehole, R., Bonita, R. & Kjellstrom, T. (1993). Basic Epidemiology. Geneva: World Health Organization.
- Becker, M.H. (1974). The Health Belief Model & Personal Health Behavior. Health Education Monographs, 2, 324-508.
- Belgrave, F., Marin, B., & Chambers, D. (2000). Cultural, Contextual & Interpersonal Predictors of Risky sexual Attitudes Among Urban African American Girls in early Adolescence. Cultural Diversity and Ethnic Minority Psychology, 6, 3, 309-322.

- Benda, B.B., & Corwyn, R.F. (1998). Testing theoretical elements as predictors of sexual behavior by race among rural adolescents residing in AFDC families. Social Work Research, 22, 2, 75-88.
- Berg, L. (2001). Qualitative research methods for the Social Sciences. S.I.: Allyn & Bacon. Paerson Group Company.
- Bergner M., & Rothman, M. (1987). Health Status Measures: An Overview & Guide for Selection. Annual Review Public Health,8, 191-210.
- Beutler, I.F, Burr, W.R, Bahr, K.S, & Herrin, D.A. (1989). The family realm: Theoretical contributions for understanding its uniqueness. Journal of Marriage & the Family, 51, 805-816.
- Biggar, R., & Melbye, M. (1992). Response to anonymous questionnaires concerning sexual behavior. A method to examine potential biases. American Journal of Public Health, 82, 1-7.
- Biglan, A., Metzler, W., Ary, D., Noell, J., Ochs, L., French, C., & Hood, D. (1990) . Social & Behavioral Factors Associated with high-risk sexual behavior among adolescents. Journal of Behavioural Medicine,13, 245-261.
- Bingham, C.R., & Crockett, L.J. (1996). Longitudinal adjustment patterns of boys and girls experiencing early, middle and late sexual intercourse. Development Psychology, 32, 647-658.
- Bingham, C., Miller, B., & Adam, R. (1990). Correlates of age at first sexual intercourse in a national sample of young women. Journal of Adolescent Research, 5, 18-33.
- Blake, S.M., Simkin, L., Ledsy, R., Perkins, C., & Calabrese, J.M. (2001). Effects of a parent-child communications intervention on young adolescents' risk for early onset of sexual intercourse. Family Planning Perspectives, 33, 52-61.
- Blum, R. W., Rinehart, P.M. (1997). Reducing the risk: Connections that make a difference in the lives of youth. Minneapolis: USA: Division of General Pediatrics and Adolescent Health, University of Minnesota: 40.
- Bonny, E. (2000). School disconnectedness: Identifying adolescents at risk. Pediatrics, 18, 1125-1128.

- Bott, S., Jejeebhoy, S., Shah, I., and Puri, C. (2003). Towards adulthood exploring the sexual & reproductive health of Adolescents in South Asia. Geneva: World Health Organization.
- Bronfenbrenner, U. (1989). Ecological systems theory. Annals of Child Development, 6,187-249.
- Bronfenbrenner, U. (1979). The ecology of human development. Cambridge, MA: Harvard University Press.
- Brook, J. S., & Brook, W.D., et al. (1990). The psychosocial etiology of adolescent drug use: A family interactional approach. Genetic, Social, and General Psychology Monographs, 116, 2, 111-267.
- Brooks-Gunn, J., & Furstenberg, F. (1989). Adolescent sexual behavior. American Psychologist, 44, 249-257.
- Brook, J. S., M. Whiteman, et al. (1993). Role of mutual attachment in drug use: A longitudinal study. Journal American Academic Child Adolescent Psychiatry 32, 5, 982-9.
- Brown, B.B., Clasen, D.R, & Eicher, S.A. (1986). Perceptions of peer pressure, peer conformity dispositions & self-reported behavior among adolescents. Development and Psychology, 22, 521-530.
- Brown, B.B., Mounts, N., Lamborn, S.D, & Steinberg, L. (1993). Parenting practices & peer group affiliation in adolescence. Child Development, 54, 467-482.
- Brown, L., Diclementele, R., Park.,T. (1992). Predictors of condom use in sexually active adolescents. Journal of Adolescent Health, 13,651-657.
- Buga, G.A., Amoko, D.H, & Ncayiyana, D.J. (1996). Sexual behavior, contraceptive practice & reproductive health among school adolescents in rural Transkei. South African Medicine Journal, 86, 523-7.
- Burack, R. (1999). Teenage sexual behavior: attitudes towards & declared sexual activity. British Journal Family Planning, 24, 145-8.
- Busen, N.H., Model, V., & Kouzekanani, K. (2000). Adolescent Cigarette Smoking & Health Risk Behavior. Journal of Pediatric Nursing, 16, 167-193.
- Casper, L.B. (1990). Does family Interaction prevent adolescent pregnancy? Family Planning Perspectives,22, 109-114.

- Capaldi, D., Crosby L & Syoolmiller M. (1996). Predicting the timing of first sexual intercourse for at-risk adolescent males. Child Development,67, 344-359.
- Carael, M. (1995). Sexual behavior. In Carael, M. Sexual Behavior & AIDS in the Developing World, (pp.75-123). Edited by Cleland, J., & Ferry, B,.. Taylor & Francis, London: S.N.
- Catania, J.A., Brinson, D., Van der Straten, A., et al. (1995). Methodological Research on sexual behavior in the AIDS era. Annual Review of Sex Research, 6, 77-125.
- Center for Population Options, International Center on Adolescent Fertility. (1992). Adolescent & unsafe abortion in Developing Countries: A Preventable Tragedy. Proceedings of the International Forum on Adolescent Fertility. Washington, DC.
- Chamberlain, J.R. (2000). HIV Vulnerability & Population Mobility in the Northern Provinces of the Lao People's Democratic Republic. In collaboration with The HIV/AIDS Trust, Lao PDR The National Committee for the Control of AIDS, & UNDP Vientiane. South East Asia HIV & Development Project
- Cheater, A. (1989). Social Anthropology. London: Unwin Hyman.
- Chewning, B., & Koningsveld, R. (1998). Predicting adolescent's initiation of intercourse & contraceptive use. Journal Applied Social Psychology, 28, 14, 1245-1285.
- Chilman, C.S. (1979). Teenager pregnancy: A research review. Social work; 24, 492-498.
- Christine, K. M, Michelle, K. D. (2003). What Type of Support Do They Need? Investigating Student Adjustment as Related to Emotional, Informational, Appraisal, & Instrumental Support. School Psychology Quarterly; 18, 231 -252
- Christopher, F.F, Johnson, D.C & Roost, M.W. (1993). Family, Individual & Social correlates of Early Hispanic adolescent sexual expression. Journal of Sex Research,30, 1, 54-61.
- Christopher, F.S., & Roosa, M.W. (1990). An evaluation of an adolescent pregnancy prevention program: is "just say no" enough? Family Relations, 39, 68-72.
- Christopher, F. S., & Roosa, M. W. (1991). Factors affecting sexual decisions in the premarital relationships of adolescents & young adults. In K. McKinney & S.

- Sprecher (Eds.). Sexuality in close relationships (pp. 111-133). Hillsdale, NJ: Erlbaum.
- Cleland, J., & Ferry B. (1995). Sexual behaviour & AIDS in the developing world. London. Taylor Francis.
- Clement, U. (1990). Survey of heterosexual behavior: Annual Review of Sex Research, 1, 45-74.
- Cluster Sampling. 2004. [Online]. Retrieved on June 15<sup>th</sup>, 2004 from [www.ryerson.ca/~mjoppe/ ResearchProcess/Cluster Sampling.htm](http://www.ryerson.ca/~mjoppe/ResearchProcess/Cluster%20Sampling.htm).
- Cohen, S & Syme, S. (Eds). (1985). Social Support & Health. New York: Academic Press.
- Concoran, J. (1999). Ecological Factors associated with adolescent pregnancy: A review literature. Adolescence, 34, 603-619.
- Crawford, M., & Popp, D. (2003). Sexual double standards; a review and methodological critique of two decades of research. Journal of Sex research, 40, 13-26.
- Crosby, R. A., Miller, K.S., et al. (2002). Family influences on adolescent females' sexual health. Handbook of Women's Sexual & Reproductive Health. New York: Kluwer Academic/Plenum Publishers.
- Custer, R. L. (1996). Qualitative Research Methodologies. Journal of Industrial Teacher Education, 34, 2, 3-6.
- Declamater J, (1974). Methodological issues in the study of premarital sexuality. Social Medicine Research,3, 30-61.
- Dehne, K.L & Riedner, G. (2001). Adolescence- A Dynamic Concept. Reproductive Health Matters, May, 9,17, 11-5.
- Diclemente, R., Gina, M., Crosby, R., Sionean, C., Cobb, K., Harrington, K., et al (2001). Parental Monitoring: Association with adolescents' Risk Behaviors. Pediatrics, 107, 6, 1363-1368.
- Dilorio, C., Kelley, M., & Hockenberry-Eaton, M. (1999). Communication about sexual issues:mothers, fathers & friends. Journal Adolescent Health,24, 181-189.

- Dittus P & Jaccard J. (2000). Adolescent's Perceptions of Maternal Disapproval of sex: Relationship to sexual outcomes. Journal of Adolescent Health, 26, 268-278.
- Dittus, P., Jaccard, J., & Gordon, V. (1997). The impact of African American fathers on adolescent sexual behavior. Journal of Adolescent Research, 5, 4, 449-466.
- Doherty, W. J., Boss, P. G., LaRossa, R., Schumm, W. R., & Steinmetz, S. K. (1993). Family theories & methods: A contextual approach. In P. G. Boss, W. J. Doherty, R., LaRossa W, Schumm WR & Seinmetz (Eds). Sourcebook of Family Theories & Methods: A Contextual Approach. New York: Plenum.
- Donovan, P. (1995). Mother's attitudes towards adolescent sex, family's dating rules influence teenagers' sexual behavior. Family Planning Perspectives, 27, 177-81
- Donovan, J., & Jessor, R. (1985). "Structure of problem behavior in adolescence and young adulthood." Journal of Consulting and Clinical Psychology, 58, 890-904.
- Dornbusch, S.M., Carlsmith, J.M., Bushwall, S.J, Leideman, H., Hastorf, A.H & Gross, R.T. (1985). Single parents, extended households & the control of adolescents. Child development, 45, 326-341.
- Dorius, G., & Barber, B. (1998). Parental support & control & the onset of sexual intercourse. Unpublished manuscript, Department of Sociology, Brigham Young University, Provo, Utah.
- Eaton, L., Flisher, A.J., & Aaro, L.E. (2003). Unsafe sexual behaviour in African Youth. Social Sciences & Medicine, 36, 149-165.
- Eggleston, E., Jackson, J., Hardee, K. (1999). Sexual attitudes and behaviors among young adolescent in Jamaica. Family Planning Perspective, 25,2, 78-91.
- Elliot, D.S., & Morse, BJ. (1989). Delinquency & drug use as risks factor in teenage sexual activity. Youth & Society, 21, 15-35.
- Erin, C. (2001). Adolescent Sexuality: Disentangling the effects of family. Journal of Marriage and Family, 63, 3, 669-672.
- Fabrega, H., & Miller, B. (1995). Adolescent psychiatry as a product of contemporary Anglo-American society. Social Sciences and Medicine, 40, 881-894.
- Family Planning Association of India. (1995). Youth Sexuality: A study of Knowledge, Attitudes, Belief & Practices Among Urban Educated Indian Youth, 1993-94 (Bombay, Sex education Counseling Research & training/Therapy Department).



- Feldman, S., & Brown, N. (1993). Family Influence on adolescent male sexuality: the mediational role of self-restraint. Social development, 2, 1, 15-35.
- Fenton, K.A., Johson, A.M., Mcmanus, S., & Erens, B. (2001). Measuring sexual behavior: Methodological Challenges in survey research. Sexually Transmitted Infectious, 77, 84-92.
- Fergusson, D.M., & Lynskey, M.T. (1996). Alcohol misuse & adolescent sexual behavior & risk taking. Pediatrics, 98, 1, 91-6.
- Fingerman, K. (1998). Sex & the working mother: adolescent sexuality, sex role typing & family background. Adolescence, 24, 1-18.
- Flay, B.R., & Petraitis, J. (1994). The Theory\_of Triadic Influence: A New Theory of Health behavior with implication interventions. In Albrecht, G.S. (ed.) Advances in Medical Sociology, Vol IV: A Reconsideration of models of health behavior change. Greenwich, CN: JAI Press.
- Fleiss, J.L. (1981). Statistical Methods for rates & proportions. 2<sup>nd</sup> ed. S.I.: John Wilery & Sons.
- Flick, L.H. (1986). Paths to adolescent parenthood: Implication for Prevention. Public Health Reports, 101, 132-147.
- Fishbein, M., & Ajzen, I. (1975). Attitudes towards objects as predictors of single & multiple behavioral criteria. Psychological Review, 81, 59-74.
- Fishbein, M. (1980). A theory of reasoned action: Some applications & implications. In M.M. Page (Ed). Nebraska Symposium on Motivation. Lincoln: University of Nebraska Press
- Fisher, T.D. (1986). An extension of the findings of Moore, Peterson & Fusternburg, 1986 regarding family sexual communication & adolescent sexual behavior. Journal of Marriage and the Family, 51, 631-639.
- Fiske S.T., & Taylor, S.E. (1991). Social Cognition. (2<sup>nd</sup> ed). New York: McGraw-Hill.
- Ford, N., & Kittisuksathit, S. (1996). Youth Sexuality: The Awareness, Lifestyles & Related-Health Services Needs of Young, Single, Factory Workers in Thailand. Bangkok: Institute for Population & Social Research, Mahidol University.
- Forster, R.T., & Heaton, T.B. (1988). Initiation of sexual activity among female adolescents. Youth & Society. 19, 3, 250-268.

- Fox, G., & Inazu, J. (1980). Patterns & outcomes of mother-daughter communication about sexuality. Journal of Social Issues, 36, 7-29.
- Fox, G. 1981. The family's role in adolescent sexual behavior. In T. Ooms (Ed.), Teenage pregnancy in a family context. Philadelphia. PA: Temple University Press.
- Frankling, D.L. (1988). Race, class & adolescent pregnancy: An ecological analysis. American Journal of Orthopsychiatry, 58, 339-354.
- Frankenhaeuser, M. (1991). The Psychophysiology of Workload, Stress, & Health: Comparison Between the Sexes. Annals of Behavioral Medicine. 13, 197-204.
- Freidman, H. (1992). Changing patterns of adolescent sexual behavior: consequences for health & development. Journal of Adolescent Health, 13, 345-350.
- Future Directions Report. (1998). Key Future Actions & Background Papers of a High School Meeting. Bangkok, 24-27/3, 1998. UNDP.
- Gage, J. (1998). Sexual Activity & Contraceptive Use: The Components of the Decision-making process. Studies in Family Planning, 29, 2, 154-166.
- Galambos, N.L., & Tilton-Weaver, L.C. (1998). Multiple risk behavior in adolescents and young adults. Reproductive Health, 10, 2, 9-20.
- Gecas, V., & Seft, M. (1990). Families & adolescents: A review of the 1980s. Journal of Marriage and the Family, 52, 941-958.
- Gubhaju, Bhakta, (2002). Adolescent Reproductive Health in Asia. Asia-Pacific Population Journal, 17, 4, 97-119.
- Harris, L & Associates. (1986). American Teen Speaks: Sex, Myths, TV & Birth Control. New York: Louis Harris & Associates.
- Harris, M. (1971). Culture, Man and Nature. New York: Thomas Y. Crowell.
- Harvey, S.M., & Spigner, C. (1995). Factors associated with sexual behavior among adolescents: A multivariate analysis. Adolescence, 30, 253-264.
- Hartup, W.W., (1996). The Company they keep: Friendships & their developmental significance. Child Development, 67, 1-13.

- Havanon, N., Bennett, A., & Knodel, J. (1993). Sexual Networking in a Provincial Thailand. Studies in Family Planning, 24,1, 1-17.
- Hayes, C. (1987). Risking the future: Adolescent sexuality, pregnancy & childbearing (Vol 1). Washington DC: National Academy Press.
- Hennink, M., & Diamond, I. (1999). Using focus groups in social research. In Memon, A., & Bull, R (eds). Handbook of the Psychology of Interviewing. (pp113-144). Edited by. USA: John Willey & Sons Ltd.
- Herald, J.M., Valenzuala, M.S, & Morris, C. (1992). Premarital sexual activity & contraceptive use in Santiago, Chile. Studies in Family Planning Perspectives, 23, 128-136.
- Hirshi, T. (1969). Causes of delinquency. Berkeley: University of California Press.
- Hogan, D.P., & Sun, R. (2000). Sexual and fertility behaviors of American females aged 15-19 years: 1985, 1990, & 1995. American Journal of Public Health, 90, 9, 1421-5
- Hovell, M., Sipan, C., Blumberg, E., Atkins, C., Hofstedter, C.R., & Kreitner, S. (1994). Family influences on Latino and Anglo adolescent;s sexual behavior. Journal of Marriage and the Family, 56, 973-986
- Hyperstat, (2004). Variables. Available at <http://davidmlane.com/hyperstat/A29697.html>. Access on 27/9/2004.
- Inazu, K.J., & Fox, G.L. (1980). Maternal influences on the sexual behavior of teenage daughters. Journal of Family Issues, 1, 81-102.
- Irizarry, C.A. (1999). Family structures: social disadvantage of women. (Unpublished report.)
- Intharaphiboon, S. (1992). Values of sexual behaviors of high school students in Bangkok. Master's thesis in Health Social Sciences. Bangkok. Faculty of Graduate Studies. Mahidol University.
- Isarabhakdi, P. (2000). Sexual attitudes & experience of rural Thai youth. Bangkok: Institute for Population & Social Research, Mahidol University. Publication Number 249.

- Jaccard, J. (1995). Adolescent contraceptive behavior: Conceptual and applies issues. Paper presented at the Conference, "Improving Contraceptive Use in the United States: Assessing Past Efforts & Setting New Directions". Bethesda, MD.
- Jaccard, J. (1996). Adolescent contraceptive behavior: The impact of the provider & the structure of clinic-based programs. Obstetrics and Gynecology, 88, 57S-64S.
- Jaccard, J., & Dittus, P. (1991). Parent teen communications: Toward the prevention of unintended pregnancies. New York: Springer-Verlag.
- Jaccard, J., & Dittus, P. (1993). Parent-adolescent communication about premarital pregnancies. Families and Society, 74, 6, 329-343.
- Jaccard, J., Dittus, P., & Gordon, V. (1996). Maternal correlates of adolescent sexual & contraceptive behavior. Family Planning Perspectives, 28, 159-185.
- Jaccard, J., Dittus, P., & Gordon V. (1998). Parent-adolescent congruency in reports of adolescent sexual behavior & communications about sexual behavior. Child Development, 69, 247-261.
- Jaccard, J., & Dittus, P.J. (2000). Adolescent's perceptions of maternal disapproval of sex: Relationship to Sexual Outcomes. Journal of Adolescent Health, 26, 268-278
- Janz, N. K., & Becker, M. H. (1984). The Health Belief Model: A decade later. Health Education Quarterly, 11, 1-47.
- Jakobsen, R. (1997). Stages of progression in non-coital sexual interactions among adolescents. An application of the Mokken-scale analysis. International Journal of Behavioural Development, 21, 537-554.
- Jenkins, A.R, Chomnad, Manopaiboon., Alex, P., Samuel, Supaporn, Jeeyapant., James W., Carey, P., Kilmarx, H., et al . (2005). Condom Use Among Vocational School Students in Chiang Rai, Thailand. AIDS education & Prevention, 14, 3, 228-245.
- Jessor, R. (1992). Risk Behavior in adolescence: A psychosocial Framework for understanding and Action. In Rogers E & Ginzberg. Adolescents at Risk. Medical & Social Perspectives. Cornell University Medical College. Seventh Conference on Health Policy. Werliew.
- Jessor, R., Costa, F., Jessor, S., et al. (1993). The time of first sexual intercourse. A prospective study. Journal Person Soc Psychology, 44, 608-26.

- Johnson, A. M., Wadsworth, J., Wellings, K., & Field, J. (1994). Sexual attitudes & lifestyles. London: Blackwell Scientific Publications.
- Johson, W., & Declamater, J. (1976). Response effects in sex surveys. Public Opinion Quarterly, 40, 165-81.
- Kaplan, R.M., Sallis, J.F., & Patterson, T.L. (1993). Health & Human Behavior. USA: McGraw-Hill International Editions. Psychology Series.
- Karim, A.M., Margnani, R.J., Morgan, G.T., & Bond, K.C. (2003). Reproductive Health Risk & Protective Factors Among Unmarried Youth in Ghana. International Family Planning Perspectives, 29, 1, 14-24.
- Katchadourian, H. (1990). Sexuality. In Feldman, S.S., & Elliot, G.R. (Eds.), *At the threshold* (pp. 330-351). Cambridge, MA: Harvard University Press.
- Kazule, J., Mbizvo, M.T., Gupta, V., et al. (1997). Zimbabwean teenagers knowledge of AIDS & other sexually transmitted diseases. East African Medicine Journal, 74, 76-81.
- Kiragu, K., & Zabin, I. (1993). The correlates of premarital sexual activity among school & adolescents in Kenya. International Family Planning Perspectives, 1993, 19, 92-7.
- Kirby, D. (1999). Sexuality & Sex Education at Home & School. Adolescent Medicine: State of the Art Reviews, 10, 2, 195-209.
- Kirby, D. (2001). Emerging answers: Research findings on programs to reduce teen pregnancy. Washington: The National Campaign to Prevent Teen Pregnancy.
- Kirby, D., Short, L., Collins, J., Rugg, D., Kolbe, L., Howard, M., Niller, B., Sonenstein, F., & Zahn, L. (1994). School-based programs to reduce sexual risk behaviors: a review of effectiveness. Public Health Reports, 109, 339-360.
- Kinsman, S.B., Romers, D., Furstenberg, F.F., & Schwarz, D.F. (1998). Early sexual initiation: The role of peer norms. Pediatrics, 102, 1185-1192.
- Kish, L. (1965). Survey Sampling. New York: Wiley.
- Klein, D. M., & White, J. M. (1996). Family theories: An introduction. Thousand Oaks, CA: Sage Publication.

- Klepp, K.I., Ndeki, S.S., Thuen, F., Leshabari, M.T., & Seha, A.M. (1996). Predictors of intention to be sexually active among Tanzania school children. East African Medicine Journal, 73, 218-24.
- Knox, D., & Wilson, K. (1981). Dating Behaviors of university students. Family Relations, 39, 255-258.
- Kornblit, A.L. (1993). Sexual models among young & adults: convergences & divergences, Argentina. Buenos Aires, Argentina, Faculty of Social Sciences, University of Buenos Aires (unpublished final report submitted to the Programme in October, 1993).
- Kotchick, B., Dorsey, S., Miller, S., & Foreh, R. (1997). Adolescent sexual risk-taking behavior in single-parent ethnic minority families. Journal Family Psychology, 13, 93-102
- Kurz, K., & Johnson-Welch, J. (1994). The nutrition & lives of adolescents in developing countries. Findings from the Nutrition of Adolescent Girls Research program. Washington, DC: International Center for research on Women.
- Ku, L., Sonenstein, F.L., & Pleck, J.H. (1993). Factors influencing first sexual intercourse for teenage men. Public Health Reproductive, 108, 6, 680-694.
- Lammers C., Ireland, M., Resnick, M., & Blum, R. (2000). Influence on adolescents decision to postpone onset of sexual intercourse: A survival analysis of virginity among youth aged 13 to 18 years. Journal of Adolescent Health, 26, 42-48.
- Lam, T.H., & Stewart, S.M. (2001). Prevalence & Correlates of smoking & sexual activity among Hongkong Adolescents. Journal of Adolescent Health, 29, 352-358.
- Landau, J. (2000). Family Connectedness & women's sexual risk behaviors: Implications for the Prevention. Family Process, 39, 461-475.
- Lao/Australian/ Red Cross. (1995). Lao/Australian research Report, May 1995. (Unpublished report).
- Lao Red Cross. (2002). A survey of HIV/AIDS/STIs knowledge & Attitudes in Lao PDR. (Unpublished report).
- LaRossa, R., Schumm, W.R., & Steinmetz, S.K (Eds.). (1987). Sourcebook of family theories & methods: A contextual approach (pp. 3-30). New York: Plenum.

- Laskmana T. (2003). The Predictors of Sexual Behaviors & Attitudes. Perspectives in Psychology, 6,26-35
- Laumann, E., Gagnon, J., Michael, R., & Michaels, S. (1994). The social organization of sexuality: sexual practices in the Uited States. Chigaco & London: University of Chicago Press.
- Laura, E., Montgomery, et al. (1996). The effect of poverty, race & family structure on US children's health: Data from NIHS, 1978 through 1980 & 1989 through 1991. American Journal of Public Health, 86, 1401-05.
- Lauritsen J. (1994). Explaining race & gender difference in adolescent sexual behavior. Social Forces, 72, 859-854.
- Leigh, G., Weddle, K., Lowen, I. (1998). Analysis of the timing of transition to sexual intercourse for Black adolescent females. Journal of Adolescent Research, 3, 335-544.
- Liebscher, P. (1998). Quantity with Quality? Teaching Quantitative & Qualitative Methods in an LIS Master's Program. Library Trends 46: 668-680.
- Li, X., Feigelman, S., Stanton, B. (2000). Perceived parental monitoring and health risk behaviors among urban low-income African-American children and adolescents. Journal Adolescent Health, 27, 1, 43-8.
- Lloyd, L., Engle, B., & Duffy, L. (1995). Families Focus-New perspective on Mothers, Fathers & Children. New York: The Population Council.
- Loraic, Sherr. (1990). AIDS and Adolescent, Bangkok. HOAP. Thailand,
- Luisa Ruda de Belmonte, Emily Zielinski Gutierrez, Robert Magnani and Varja Lipovsek . (2000). Barriers to Adolescents' Use of Reproductive Health Services in Three Bolivian Cities. (Unpublished report).
- Luster, T., & Small, S. (1994). Factors associated with sexual-risk taking behaviors among adolescents. Journal of Marriage and Family,56, 6, 622-632.
- Ly et al. (1997). Young people, HIV/AIDS, STDs & Sexual Health Project. Survey of Knowledge, Attitudes & Practices (Pnom Penh, Save the Children Fund (UK) Cambodia). (Unpublished report)
- Maccoby, E. (1992). The role of parents in socialization of children: An historical overview. Development Psychology, 28, 1006-1017.

- Maccoby, E. E., & Martin, J.A. (1983). Socialization in the context of the family: Parent-child interaction. In P. H. Mussen, Handbook of child psychology: Vol 4. Socialization, personality, & social development. New York: Wiley: 1-101
- Magnani, R.J., Seiber, E.E., Gutierrez, E.E., & Vereau, D. (2001). Correlates of sexual activity & condom use among secondary-school students in Urban Peru. Studies in Family Planning:32, 1, 54-66.
- Magnusson, D, (1981). Wanted: A Psychology of Situations. In Mangnusson, D. Toward a Psychology of Situations: An International Perspective, (pp 9-35). S.I.: s.n.
- Makham, C.M., Tortolero, S.R., Escobar-Chave, S.L., Parcel, G.S., Harris, R., & Addy, R.C. (2003). Family Connectedness & Sexual Risk-Taking Among Urban Attending Alternative High Schools. Perspectives on Sexual & Reproductive Health, 35, 4, 174-179.
- Manlove, J. (1998). The influence of high school dropout & school disengagement on the risk of school age pregnancy. Journal of Research on Adolescence, 8, 2, 187-230.
- Marmot, M., & Wilkison, R.G. (1999). Social Determinants of Health. Oxford: University Press.
- Mason O. (1994). HIV transmission and the balance of power between men & women: A global review. Health Transition Review, 4, (Suppl), 172-174.
- Matasha, E., Ntembelea, T., Mayaud, P., et al. (1998). Sexual & reproductive health among primary & secondary school pupils in Mwanza, Tanzania: Need for Intervention. AIDS Care, 10, 571-82.
- Mburano, R. (2000). Sexual Risk Behaviors among Young People in Bamenda, Cameroon. Family Planning Perspectives, 26, 3, 118-123.
- Meekers, D. (1994). Sexual initiation & premarital child bearing in Sub-Saharan Africa. Population Studies, 48, 47-64
- Meekers, Dominique, & Anne Emmanuale Calves. (1999). Gender differentials in adolescentsexual activity & reproductive health risks in Cameroon. African Journal of Reproductive Health, 3, 2, 51-67.



- Melchert, T., & Burnett, K.F. (1990). Attitudes, Knowledge and sexual behavior of high risk adolescents: Implications for counseling and sexuality education. Journal of Counseling & Development, 68, 3, 293-298.
- Mensch, B.S., Hewett, P.C., & Erulkar, A. (2001). The reporting sensitive behavior among adolescents: a methodological experiment in Kenya. New York: Population Council, 2001. Policy Research Division Working Paper, No 151.
- Meschke, L., & Silbereisen, R.K. (1997). The influence of puberty, family processes and leisure activities on the timing of first sexual experience. Journal Adolescence, 20, 403-18.
- Meschke, L., Bartholomae, S. & Zental, R. (2000). Adolescent Sexuality & Parent-Adolescent Processes: Promoting Healthy Teen Choices. Family Relations, 49, 143-154.
- Metha, Suman, Riet Groenen & Francisco Roque. (1998). Adolescents in changing times: Issues & perspectives for adolescent reproductive health in the ESCAP Region. In Asian Population Studies Series No 153. Asia-Pacific Population Policies & Programmes.
- Metzler, C.W., Noell, J., Biglan, A., Ary, D., & Smolkowski, K. (1994). The social context for risky sexual behavior among adolescents. Journal Behavioral Medicine, 17, 419-438.
- Miles, L. (1993). Women, AIDS & power in heterosexual sex: A discourse analysis. Women Studies International Forum, 16, 497-511.
- Miller, B.C. (1998). Family influence on teen pregnancy.[On line]. Retrieved on 12th May, 2004 from <http://www.wested.org/ppfy/family.htm>.
- Miller, B.C., Benson, B. & Galbraith, K.A. (2001). Family relationships and adolescent pregnancy risk: A research synthesis. Developmental Review 21, 1-38.
- Miller, B.C., & Bingham, C.R. (1989). Family configuration in relation to the sexual behavior of female adolescents. Journal of Marriage & the Family, 51, 499-506.
- Miller, B.C., Christensen, R., & Olson, D. (1987). Adolescent self-esteem in relation to adolescent sexual attitudes & behavior. Youth & Society, 18, 93-111.
- Miller, B.C., & Fox, L. (1987). Theories of adolescent heterosexual behavior. Journal of Adolescent Research, 2, 269-282.

- Miller, B.C., McCoy, J.K., Olson, T.D., & Wallace, C.M. (1986). Parental discipline & control attempts in relation to adolescent sexual attitudes & behavior. Journal of Marriage & the Family, 48, 503-512
- Miller, B.C., & Moore, K. (1990). Adolescent sexual behavior, pregnancy & parenting: Research through the 1980. Journal of Marriage and the Family, 52, 1025-1044.
- Miller, B.C., & Olson, T.D. (1988). Sexual attitudes and behaviors of high school students to background & contextual factor. Journal of Sex Research, 24, 194-200.
- Miller, B.C, & Sneeby, K.R. (1988). Educational correlates of adolescent's sexual attitudes & behavior. Journal of Youth and Adolescence, 17, 521-530.
- Miller, K.S. (1999). Adolescent sexual behavior in two ethnic minority samples: The role of family variables. Journal of Marriage and the Family, 61, 85-98.
- Miller, K.S., Forehand, R., & Kotchick, A. (1999). Adolescent Sexual Behavior in Two Ethnic Minority Samples: The Role of Family variables. Journal of Marriage and Family, 6, 185-98.
- Miller, B. C., Norton, M. C., Curtis, T., Hill, E. J., Schvaneveldt, P., & Young, M. H. (1997). The timing of sexual intercourse among adolescents: Family, peer, and other antecedents. Youth and Society, 29, 54-83.
- Miller, K.S., Kotchick, B.A., Dorsey, S., Forehand, R. & Ham, A.Y. (1998). Family Communication about sex: What are parents saying and their adolescent listening? Family Planning Perspectives: 30, 1, 218-222.
- Miller, K.S., Levin, M.L., Whitaker, D.J., & Xu, X. (1998). Patterns of condom use among adolescents: the impact of mother-adolescent communication. American Journal of Public Health, 88, 10, 1542-4.
- Miller, K.E., Sabo, D.F., Farrell, M.P., Barnes, G.M., & Melnick, M.J. (1998). Athletic participation & sexual behavior in adolescents: The different worlds of boys and girls. Journal of Health and Social Behavior, 39, 108-123.
- Morgan, D.L., & Spanish, (1984). Focus group: A new tool for qualitative research. Qualitative Sociology 7,3:253-270.

- MORI. (2003). Cluster Sampling: A False Economy? [On line]. Retrieved from June, 24<sup>th</sup>, 2004 from <http://www.mori.com/pubinfo/aiz/cluster-sampling-a-false-economy.shtml>.
- Moore K., Peterson J & Fustenburg F. (1986). Parental attitudes & the occurrence of early sexual activity. Journal of Marriage and the Family, 48, 777-782.
- Moore K, Miller B, Gleit D & Morrison D. 1995. Adolescent sex, contraception & childbearing: A review of recent research. Washington, DC: Child Trends Inc.
- Moore, K.A., Driscoll, A.K., & Lindberg, L.D. (1998). A statistical portrait of adolescent sex, contraception, & childbearing. Washington: The National Campaign to prevent Teen Pregnancy.
- Mott, F., Fondell, M., Hu P., Kowaleski-Jones, L., & Menagha, E. (1996). The determinants of first sex by age 14 in a high-risk adolescent population. Family Planning Perspective, 28, 1, 13-18.
- Moore, S., & Rosenthal, D. (1991). Adolescents' perceptions of friends & parent's attitudes to sex and sexual risk taking. Journal of Community and Applied Social Psychology.1. 189-200.
- Moore, S., & Rosenthal., D. (1993). Sexuality in Adolescence. London: Routledge.
- Moore, S., & Rosenthal, D. (1995). Sexuality in Adolescence. Connell: . Padstow Press
- Morgan, D.L., & Spanish, M.T. (1984). Focus group: a new tool for qualitative research. Qualitative Sociology, 7,3, 253-270.
- Mueller, K.A., & Powers, W.G. (1990). Parent child sex discussion: perceived communicator style & subsequent behavior. Adolescence, 29, 469-480.
- Muuss, R.E. (1990). Adolescent behavior & society. (4<sup>th</sup> ed). New York: Mc Graw-Hill Publishing Company.
- NCCA. (2001). HIV Surveillance Survey & sexually Transmitted Infection Periodic Prevalence Survey, Lao people's Democratic Republic, 2001. Funded by USAID through FHI's Implementing AIDS Prevention & Care (IMPACT) Project, Cooperative Agreement HRN-A-0097-00017-00.

- NCCAB, LWU, & SCF/UK. (2001). Knowledge, attitudes & behaviors survey on Reproductive Health among Adolescents who are using the Vientiane Youth Center for Health & Development. Supported by EC/UNFPA.
- National Statistical Centre. (1995). Fertility & Birth Spacing Survey 1994, Report on FBSS 1996, Lao PDR. (Unpublished report).
- National Statistical Centre, (1997). Statistic Data of Vientiane Municipality, 1995. (Unpublished report).
- National Statistical Centre. (2001). Adolescent Reproductive Health Survey 2000. Published by State Planning. (Unpublished report).
- Newcomer, S., & Udry, R. (1984). Mother's influence on the sexual behavior of their teenage children. Family Planning Perspective, 46, 477-485.
- Newcomer, S., & Udry, R. (1985). Parent-child communication & adolescent sexual behavior. Family Planning Perspective, 17, 169-74.
- Newcomer, S., Udry, R. (1987). Parental marital status effects on adolescent sexual behavior. Family Planning Perspective, 49, 235-40.
- Newcomer, S., Gilberg, M., & Udry, R. (1980). Perceived and actual same sex peer behavior as determinant of adolescent sexual behavior. Paper presented at the annual meeting of the American Psychology Association.
- Nolin, M.J., Peterson, K.K. (1992). Gender Difference in Parent-Child communication about sexuality: An exploratory study. Journal Adolescent Research, 7, 59-79.
- Neuendorf, K.A. (2002). The content analysis guidebook. Thousand Oaks, CA: Sage Publication.
- Nye, I., & Berardo, F.M. 1981. Emerging Conceptual Frameworks in Family Analyses: With a New Introduction for the 1980's. USA: Greenwood Publishing Group, Incorporated.
- Page, M.R., Cole, E.G., & Timmreck, C.T. (1995). Basic epidemiological method & biostatistics. (2<sup>nd</sup> ed). Boston: Jones & Barlett Publishers.
- Paikioff, R.L. & J. Brooks-Gunn. (1991). Do parent - child relationships change during puberty? Psychological Bulletin, 110, 1, 47-66.

- Parke, R. D., & Buriel, R. (1998). Socialization in the family: Ethnic and ecological perspectives. In N. Eisenberg (Ed.), Handbook of child psychology: Vol. 3. Social, emotional, and personality development (5th ed., pp. 463-552). New York: Wiley.
- Parrillo, V., Felts, M. (1995). Early initiation of sexual intercourse and its occurrence with other health-risk behaviors in high school students: The 1993 North Carolina Youth Risk Behavior Survey. Journal of Health Education, 22, 85-93.
- Patterson, G.R. (1982). Coercive family process. Eugene. OR: Castalia.
- Patterson, G.R., Reid, J.B., & Dishion, T.J. 1992. Antisocial boys: A social interactional approach. Eugene. OR: Castalia.
- Pedersen, W., Samuelsen, S.O., & Wichstrom, L. (2003). Intercourse debut age: poor resources, problem behavior or romantic appeal? A population-based longitudinal study. Journal of Sex Research, 40, 333-346.
- Perkins, C., and Calabrese, J. L. (2001). Communication in the family sex teenagers-Sexual behavior Homework. Family Planning Perspectives: 33, 2, 52-62.
- Perrino, T., Gonzalez-Soldevilla, A., Patitin, H., & Szapocznik, J. (2000). The role of families in adolescent HIV prevention: A review. Clinical Child Family Psychology Review, 3, 81-91.
- Pick, S., & Palos, P. (1995). Impact of the family on the sex lives of adolescents. Adolescence, 30, 667-675.
- Plotnick, R.D. (1992). The effects of attitude on teenage premarital pregnancy and its resolution. American Sociological Review, 57, 800-811.
- Podhista, C., et al. (1995). Youth in Thailand: Their Family Relation, Education, Work & Risk Behavior. In Proceedings of the Twenty Summer Seminar on Population and Development in Thailand, July 2-7, 1995. Field portion in Thailand organized by the Institute of Population Studies, Chulalongkorn University.
- Podhisita, C., Maria, J. & Pramualatrana, A., et al. (1996). Multiple sex partners and condom use among long distance truck drivers in Thailand. AIDS Education and Prevention, An Interdisciplinary Journal, 1996, 8, 6, 490-498.

- Podhista, C., & Pattaravanich, U. (1995). Youth in Comtemporary Thailand: Result From The Family and Youth Survey. Bangkok: Institute for Population & Social Research, Mahidol University.
- Population Resource Center. (2004). [On line]. Retrieved on May 14<sup>th</sup>, 2004. from <http://www.prcdc.org/summaries/intlyouth/intlyouth.html>.
- Potter, L.B., & Anderson, J.E. (1993). Patterns of condom use and sexual behaviors among never-married women. Sexually Transmitted Diseases, 20, 201-208.
- Pramualratana, A. (1992). The Impact of Societal Change & Role of the Old in Rural Community in Thailand In Yoddumnern-Attig et al. (eds). Changing roles and statuses of women in Thailand: A documentary assessment. Institute for Population & Social Research (Publication No 161). Bangkok.: Mahidol University.
- Praditwong, T. (1990). Family Formation Attitudes of Thai Adolescents. PhD. Dissertation, Cornell University. (Unpublished).
- Pusanasuwantri, D. (1999). Factors affecting premarital sexual behaviors among non-formal students at the upper secondary school. Master's Thesis, Major Health Education. Faculty of Graduate School. Mahidol University.
- Ramirez-Valles, J., Zimmerman, M., & Newcomer, M. (1998). Sexual behavior among youth: Modelling of the influence of prosocial activities & socio-economic factors. Journal of Health Social Behavior, 39, 237-253.
- Resnick, D., Harris, J., & Blum, W. (1993). The impact of caring and connectedness on adolescent helath & well-being. Journal of Pediatric Child Health, 29 (suppl 1), S3-S9.
- Resnick D, Bernman S, Blum W et al. (1997). Protecting Adolescents from Harm: Findings from the National Longitudinal Study on Adolescent Health. Journal American Medical Association, 278, 823-832.
- Reynolds, I., Rob M.. (1988). The role of family, difficulties in adolescent depression, drug taking & other problem behaviors. Medicine Journal, 149, 250-6
- Roberg, R.L, McBreen, J.T & Rifkin, M.J. (1996). Human behavior: A perspective for helping Professions. USA: Longman.

- Rogers, J.L. (1983). Family Configuration & adolescent sexual behavior. Population and Environment, 6, 73-83.
- Rodgers, L., & Rowe, C. (1990). Adolescent sexuality & mildly deviant behavior: Sibling & friendship effects. Journal of Family Issues, 11, 274-293.
- Rodgers, K. (1999). Parenting processes relating related to sexual risk-taking behaviors of adolescent males & females. Journal of Marriage and the Family, 61, 99-101.
- Romer, D., Black, M., Ricardo, I., et al. (1994). Social influences on the sexual behavior of youth at risk for HIV exposure. American Journal of Public Health, 84, 977-985.
- Romer, D., Stanton, B., Galbraith, J., Feigelman, S., Black, M., & Li, X. (1999). Parental influence on adolescent sexual behavior in high poverty settings. Archive Pediatric Adolescent Medicine, 153, 1055-1066.
- Rosenbaum, E., & Kandel, D.B. (1990). Early onset of adolescent sexual behavior & drug involvement. Journal of Marriage and the Family, 52, 783-798.
- Rosenberg, M.J., & Hovland, C.I. (1960). Cognitive, affective and behavioural components of attitudes. In Rosenberg MJ et al (eds). Attitude Organization & Change. New Haven: Yale University Press.
- Rosenthal, D.A., & Feldman, S.S. (1999). The importance of importance: adolescents' perceptions of parental communication about sexuality. Journal of Adolescence; 22. 6, 835-51
- Ross, B., & Cobb, K. (1988). Family Nursing: A nursing process approach. Redwood, CA: Addison-Wesley Nursing.
- Rossa, M.W., Tein, I.Y., Reinholtz, C., & Angelina, P.I. (1997). The relationship of childhood sexual abuse to teenage pregnancy. Journal of Marriage and the Family, 59, 119-130.
- Rotheram-Borus, M.J., & Koopman, C. (1991). Sexual risk behavior, AIDS knowledge & beliefs about AIDS among predominantly minority gay and bisexual male adolescents. AIDS Education and Prevention, 3, 305-312.
- Rugpao, S. (1997). Sexual behaviour in adolescent factory workers. Chiang Mai, Thailand, Chiang Mai University (unpublished final report submitted to the Programme in March, 1997).

- Rwenge, M. (2000). Sexual Risk Behaviors Among Young People in Bamenda, Cameroon. Family Planning Perspectives, 26, 3, 118-123.
- Sadava, SW. 1987. Psychosocial Interactionism & Substance Use. Drugs & Society 2, 1-30.
- Salem, A., Zimmerman, A., & Notaro, C. (1998). Effects of Family Structure, Family process and Father involvement on Psychosocial Outcomes among African American Adolescents. Family Relations, 47, 331-341.
- Sananikhom, Pany., Iertje, Reerink,, Peter, Fajans. Christopher., & Jay, Satin. (2000). Strategic Planning Assessment on Reproductive Health in Lao PDR. Asia Pacific Population Journal, 15, 21-38.
- Santelli, J.S., Kouzis, A.C., Hoover, D.R., Polaesek, M., Burwell, L.G., & Celetan, D.D. (1996). Stage of behavior change for condom use. The influence of partner type relationship and pregnancy factors. Family Planning Perspectives, 28, 101-7.
- Santelli, J., Lowry, R., Brener, N., Robin, L. (2000). The association of sexual behaviors with socio-economic status, family structure, and race/ethnicity among US adolescents. Journal of American of Public Health, 90, 1582-1660.
- Schegel, A., & Barry, H. (1991). Adolescence: an anthropological inquiry. New York: Free Press.
- Scrimshaw, S.C., & Hurtado, E. (1987). Rapid Assessment Procedure for Nutrition & Primary Health Care. Los Angeles. The Regents of the University of California.
- Seidman, S. N., & Rieder, R. O. (1994). A review of sexual behavior in the United States. American Journal of Psychiatry, 151, 330-341.
- Sieving, E., McNeely, S., & Blum, W. (2000). Maternal expectations, mother-child connectedness & adolescent sexual Debut. Archive Pediatric Adolescent Medicine, 154, 809-816.
- Senderowitz, J. (1995). Adolescent Health: Reassessing: the Passage to Adulthood. World Bank Discussion Papers (272). Washington DC: World Bank.
- Senderowitz, J. (1997). Making Reproductive Health Services Youth Friendly. Washington DC: Focus on Young Adult.
- Sethaput, C., & Pattaravanich, U. (1993). Information provided by rural mothers to their daughters concerning reproductive health. In Ford N & Chamrathirong A (eds).



UK/Thai Collaboration Research Development in Reproductive & Sexual Health: Proceedings of the Symposium on the Mahidol-Exeter British Council Link. (Published with the support from the British Council. Institute for Population & Social Research, Mahidol University.)

- Small, S., & Luster, T. (1994). Adolescent sexual activity: an ecological, risk-factor approach. Journal Marriage & Family, 5, 181-192.
- Smith, C.A. (1997). Factors associated with early sexual activity among urban adolescent. National Association of Social Workers, 42, 334-346.
- Smith, A.M., de Visser, R., Akande, A., Rosenthal, R., & Moore, S. (1998). Australian & South African undergraduates' HIV-related knowledge, attitudes & behaviours. Archives of Sexual Behavior, 27, 279-294.
- Smith, CA. (1997). Factors associated with early sexual activity among urban adolescent. National Association of Social Workers, 42, 334-346.
- Somers, C.L., & Paulson, S.E. (2000). Students' perceptions of parent-adolescent closeness & communication about sexuality: relations with sexual knowledge, attitudes & behaviours. Journal of Adolescence, 23, 629-644.
- Soomthorndhada, A. (1996). Sexual attitudes & Behaviours & Contraceptive Use of Late Female Adolescents in Bangkok: A Comparative Study of Students & Factory Workers. Bangkok: Institute for Population & Social Research, Mahidol University. ( Publication Number 202).
- Stang, J., & Story, M. (2005). Adolescent growth and development. [On line]. Retrieved on 1<sup>st</sup> February, 2005, from [http://www.epi.umn.edu/let/pubs/img/adol\\_ch1.pdf](http://www.epi.umn.edu/let/pubs/img/adol_ch1.pdf). Access on 1st February, 2005
- Staton BF, Fitzgerald AM, Li X et al, (1999). HIV risk behaviors, intentions & perceptions amongst Nambian youth as assessed by a theory-based questionnaire. AIDS Education Prevention, 70:132-49.
- Steingberg, L.D. (1993). Adolescence. New York; McGraw-Hill.
- Stewart, D.W., & Shamdasani, P.N. (1990). Focus groups: Theory & Practice. London: Sage.

- Taris, T., & Semin, G. (1997). Parent-child interaction during adolescence and the adolescents' sexual experience: Control, closeness & conflict. Journal of Youth and Adolscence, 26, 4, 373-398.
- Taylor-Seehafer, M., & Rew, L. (2000). Risky sexual behavior among adolescent women. Journal of Social Pediatric Nursing, 5, 1, 15-25.
- Terry, E., & Manlove, J. (2000). Trends in sexual activity & contraceptive among teens. Washington: The National Campaign to Prevent Teen pregnancy.
- Thornton, D. (1990). The courtship process & adolescent sexuality. Journal of Family Issues, 11, 239-273.
- Thornton A. (1991). Influence of the marital history of parents on the marital & cohabitational experience of children. American Journal of Sociology, 96, L868-894.
- Thornton, A., & Camburn, B. (1987). The influence of the family on premarital sexual attitudes & behaviors. Journal of Marriage and the Family, 51, 643-653
- Thompson, E. (1982). Socialization for sexual & contraceptive behavior: moral absolute versus relative consequences. Youth & Society, 32, 103-128.
- Toennies, F. (1965). Community & Society. Translated by Charles P. Loomis. New York: Harper & Law.
- Triandis, H.C. (1971). Attitude & Attitude Change. USA: Wiley.
- Troth, A., & Peterson, C. (2001). Factor predicting safe-Sex Talk and Condom Use in Early Sexual relationship. Health Communication, 12, 2, 195-218.
- Tubman, J.G, Windle, M., & Windle, R. (1996). The onset and cross-temporal patterning of sexual intercourse in middle adolescence: Perspective relations with behavioral & emotional problems. Child Development, 67, 327-343.
- Turner, R., Irwin, C., & Millstein, S. (1991). Family structure, family process and experimenting with substances during adolescence. Journal of Research Adolescence: 1, 93-105.
- Turner, R., Irwin, C., & Millstein, S. (1993). Autonomy, relatedness & the early initiation of health risks behaviors in early adolescence. Health Psychology: 12, 200-208.

- Udry, J.R. (1988). Biological predispositions & social control in adolescent sexual behavior. American Sociology Review, 53, 709-22
- United of Nations Population Fund [UNFPA]. (1997). Programme Review & Strategy Development Report, Lao PDR. Unpublished report.
- United Nations Population Fund [UNFPA]. (2003). Country Lao PDR [On line]. Retrieved on 14th May, 2004 from <http://www.unfpa.org/swp/2003> .
- United of Nations Children's Fund [UNICEF]. (1998). Results & Recommendations from a Maternal Health needs Assessment in Three Provinces of the Lao People's Democratic Republic. Unpublished Paper, presented to the Royal Netherl&s Embassy, Bangkok, Thail&.
- United Nations for AIDS [UNAIDS]. (2004). Joined United Nations programme on HIV/AIDS, Lao PDR. [On line]. Retrieved on June 13<sup>th</sup>, 2004 from <http://www.org/team/UNAIDS/page.htm>.
- UNDP/ UNFPA/ WHO. (2003). World Bank/Special Programme of Research, Development & Research Training in Reproductive Health.
- UNDP/UNFPA/WHO/World Bank Special Programme of Research, Development & Research Training in Human Reproduction. (2002). Sexual & reproductive health of adolescents. Progress in Reproductive Health Research, 58, 1-8.
- United Nations of Education Save Children Organization [UNESCO]. (2004). Country profile: Lao PDR. [On line]. Retrieved on November, 21st 2001 from <http://www.unescobkk.org/ips/arh-web/demographics/lao2> .
- United of Nations Children's Fund [UNICEF], United Nations AIDS [UNAIDS] & World Health Organization [WHO]. (2002). Young People & HIV/AIDS Opportunity in Crisis. Geneva: World Health Organization.
- Upchurch, M., Aneshensel, S., Sucoff, A., Levy-Storm, L. (1999). Neighborhood & family contexts of adolescents sexual activity. Journal of Marriage and the Family, 61, 4, 920-933.
- Urberg, K.A., Dirmencioglu, S.M., & Pligim, C. (1997). Close friend & group influence on cigarette smoking & alcohol use. Development Psychology, 33, 834-44.

- Urberg, K.A, Dirmencioglu, S.M., Tolson, J.M., & Halloday-Scher, K. (1995). The structure of adolescent peer networks. Development Psychology, 31, 540-47
- Vu Quy Nhan. (1996). Survey on young adults' reproductive behavior: KAP study. Hanoi, Viet Nam. National Committee on Population & family Planning (Unpublished final report submitted to the Programme in January, 1996).
- VanLandingham, M., Knodel, J., & Pramualratana, A. (1995). Friends, Wives & Extramarital Sex in Thailand. Bangkok. Institute of Population Studies, Chulalongkorn University.
- VanLandingham M. Knodel, J., Champon, S., & Pramualratana, A. (1998). In the Company friends peer influence on Thai male extramarital sex. Social Science Medicine, 47, 12, 1-6.
- VanLandingham, M., Suprasert, S., Sittitrai, W., Vaddhanaphuti, C., & Grandjean, N. (1993). Sexual activity among never married men in Northern Thailand. Demography, 30, 3, 297-313.
- Wadsworth, J., Johnson, A.M., Welling, K., et al. (1996). What's mean-an examination of the inconsistency between men & women reporting sexual partnerships. Journal Royal State Social Sciences, 159, 111-23.
- Welling, R., Nanchahai, K., Macdowell, W., et al. (2001). Sexual behavior in Britain: early heterosexual experience. The Lancet, 358, 1843-50.
- Wentzel, K.R., & Cadwell, K. (1997). Friendships, peer acceptance and group membership: relations to academic achievement in middle school. Child Development, 68, 1198-209.
- Weinstein, M., & Thorton, A. (1989). Mother-child relations and adolescent sexual attitudes and behaviours. Demography, 26, 4, 563-577.
- Whitbeck, L., Conger, R., & Kao, M. (1993). The influence of parental support, depressed affect, and peers on the sexual behaviors of adolescent girls. Journal of Family Issues, 14, 2, 261-278.
- Whitbeck LB, Hoyt DR, Miller M & Kao MY. (1992). Parental support, depressed effect & sexual experience among adolescents. Youth & Society, 24,166-177.
- Whitbeck, L., Yoder KA., Hoyt DA & Conger RD. (1999). Early adolescent sexual activity: A development study. Journal of Marriage & the Family, 61, 934-946.

- Whittaker, J., Miller, S., May, C., & Levin, L. (1999). Teenage Partner's Communication about sexual risk and condom use: the importance of parent-teenager discussions. Family Planning Perspectives, 31, 117-121.
- Whittaker, J., Miller, S., Kim, S., & Clark, F. (2000). Reconceptualizing adolescent sexual behavior: Beyond did they or didn't they?. Family Planning Perspectives, 32, 3, 111-117.
- Whittaker, J., & Miller, S. (2000). Parent-adolescent discussions about sex and condoms: impact on peer influences of sexual risk behavior. Journal Adolescence Research, 15, 251-273.
- Widmer, E.D. (1997). Influence of older siblings on initiation of sexual intercourse. Journal of Marriage & the Family, 59, 928-938.
- Williams, B.L., & Suen, H. (1994). A methodological comparison of survey techniques in obtaining self-reports of condom-related behaviors. Psychological reports, 75, 1531-7.
- Wilks, J., Callan, V., & Austin, D. (1989). Parent, peer & personal determinants of adolescent drinking. British Journal of Addiction, 84, 619-630.
- World Health Organization [WHO]. (1995). A Picture of Health: A review & annotated bibliography of the health of young people in developing countries. Adolescent Health Program. Geneva: World Health Organization/UNICEF.
- World Health Organisation [WHO]. (1989). The Health of Youth. Geneva: World Health Organization. (Document A42)
- World Health Organization [WHO]. (1999). Strategic Assessment of Reproductive Health in Lao PDR. Special Programme of Research, Development and Research Training in Human Reproduction. Ministry of Health, Maternal and Child Health Center and WHO. Unpublished report.
- World Health Organisation [WHO], United Nations Population Fund [UNFPA], United Nations Children's Fund [UNICEF]. (1998). A joint WHO / UNFPA / UNICEF statement. Geneva: WHO.
- Wright, D.W., Peterson, L.R., & Barnes, H.L. (1990). The relation of parental employment and contextual variables with sexual permissiveness and gender role attitudes of rural early adolescents. Journal of Early Adolescence, 10, 382-398.

- Yarber, W., & Greer, I. (1986). The relationship between sexual attitudes of parents and their college daughters or son's sexual attitudes and behaviors. Journal of School Health, 56, 2, 68-72.
- Ywa Twa, M.J. (1997). The role of the environment in the Sexuality of school students in Tourists and Pallisa districts of Uganda. Health Transition Review, Supplement, 7, 65-72.
- Youn, G. (1996). Sexual activists & attitudes of adolescent Koreans. Archive Sexual Behavior, 25, 629-43.
- Young, E.W., Jensen, L.C., Olsen, J.A., & Cundick, B.P. (1991). The effects of family structure on the sexual behavior of adolescents. Adolescence, 26, 104, 977-96.
- Xenos, Peter., Phichit, Pitaktepsombati., & Werasit, Stititrai. (1993). Partner Patterns in the sexual behavior of unmarried rural Thai men. Asian and Pacific Population Forum, 6, 4, 104-117.
- Zabin, S., Smith, E.A., Hirsch, M.B., & Hardy, J.B. (1986). Age of physical maturation & first intercourse in Black teenage males & females. Demography, 23, 595-605.

## **APPENDICES**

## APPENDIX A

### GUIDELINE OF FOCUS GROUP DISCUSSION FOR THE RESEARCH PROJECT “THE INFLUENCE OF PARENT-CHILD INTERACTION ON SEXUAL ATTITUDES AND BEHAVIORS OF YOUTH IN VIENTIANE CAPITAL CITY, LAO PDR”

#### **Explain the objective of the study**

- What do you think about talking sexual matter in our society? Is it acceptable?
- Do you think it is appropriate to discuss these matters? What do other young people think? What do older people think?

#### **TOPIC A-Interaction with peers**

1. Do women/men of your age talk about sex with friends?
  - Does this tend to be with male and or/female friends? With one persons or in groups? How do women /men of your age talk about sex?
  - Do you think it’s the same for women/men of your age? How are they similar? How are they different?
2. Who do young people rely on for Sexuality Information? What differences are there between young men and women?
3. What do you think are the main difference between men and women of your age? How do young men/women vary? Do they behave differently? How? Why?
  - How do you feel about women in general? How do you feel about men in general?

#### **TOPIC B-Interaction with parents**

4. Do young people of your age talk about sex with parents (father/mother)?
  - What do they talk about? How do they talk about it? How does it make people feel? Who starts the discussions? At what age do these discussions usually start?
  - Are the discussions useful? Is it adequate? Do you think that more discussion with parents about sexual matters would be useful and change sexual behavior of young people? Why?



5. Do you think that young people would like certain people to be more open about sexual matters? For example: father or mother or other family members? About what issues? How?
6. How young people at your age feel when discussing sexual matters with father/mother? What are the difficulties?
7. What type of relationship do you think that women/men have with their mother/father?
8. Do young people of your age listen to father/mother what said? Why? What do young people think about their mother/father in terms of caring and support? Why? How? Do you think that more closeness would be useful and change behaviors of young people? Why?
  - Do you think young people of your age feel close to parents or your peers? Why?
9. When young people of your age start to separate from their parents? In what conditions?
  - Do you think people at your age want to leave with parents or independently? Why?

#### **TOPIC D- Partner behavior**

10. At what age do young people start to 'go out' together? Are there differences between men and women?
11. How do young people select their partners? Are there differences between men and women?
12. Is dating encouraged/ discouraged or influenced in any way? By whom? How? Why? Are there differences for the young men and women?
  - What do young people who are going outdo together? Where do they go? Do they normally go in groups or in couples? What do other young people think when they see young people go out together as couples?
  - Typically, do young people who 'are going out' together have sex with each other? What negotiation/discussions occur?
13. What type of relationships do young men and women have? Casual, steady, exploratory etc..

- What expectations do young men/women have concerning their relationships?  
What expectations do men/women have for getting married?

### **TOPIC E- Sexual attitudes and behaviors**

14. Is it generally acceptable for young people to have sexual relations when they are not married? What do other young people think? What do older people think? Are there differences between men and women?
15. What proportion of young women/men of your age do you think are sexually active? Why?
16. At what age would you say that young people start having sex? What do you think about that?
17. What discussions/negotiations go on before sex?
18. Why do you think women/men of your age have sex? What do you think it means to them?
19. Do young people get sexual experience in ways other than with someone they are going out with? How? With whom? What proportions?
20. How would a parent react if they found out their son/daughter was having sex? What if their daughter became pregnant? What if their son became father?

## APPENDIX B

### LIST OF VILLAGES AND YOUTH POPULATION IN THE SELECTED VILLAGES

No	Village	Actual youth population			Youth sample population			Actual youth sample population		
		N (M)	N (F)	N (total)	N (F)	N (M)	N (total)	N (F)	N (M)	N (total)
I	Chanthabury District-11 villages	994	1560	1888	130.22	133.86	232.78	132	153	285
1	Haisok-	55	88	82	7.35	7.41	10.11	7	7	14
2	Savang	110	105	215	8.76	14.81	26.51	9	17	26
3	Sidamdouane	53	155	208	12.94	7.14	25.64	13	8	21
4	Dongpalep	114	350	300	29.22	15.35	36.99	29	17	46
5	Sisavath Tai	61	67	128	5.59	8.21	15.78	6	10	16
6	Phonesavang	79	90	169	7.51	10.64	20.84	8	12	20
7	Bonagnoua	35	62	97	5.18	4.71	11.96	5	5	10
8	Thongsanang	96	322	418	26.88	12.93	51.54	28	15	43
9	Vatchanh	278	240	77	20.03	37.44	9.49	20	43	63
10	Xieng Gneune	25	32	57	2.67	3.37	7.03	3	4	7
11	Hadsady Neua	88	49	137	4.09	11.85	16.89	4	15	19
II	Saysetha District-14 villages	1384	1330	2714	111.02	186.38	334.61	113	216	329
12	Chommany Neau	207	230	437	19.20	27.88	53.88	19	32	51
13	Vang Xay	61	63	124	5.26	8.21	15.29	5	10	15
14	Thaluang Kang	143	134	277	11.19	19.26	34.15	11	22	33
15	Xokham	121	98	219	8.18	16.29	27.00	8	19	27
16	Phonesaath	59	80	139	6.68	7.95	17.14	7	9	16
17	Xokgnai	83	51	134	4.26	11.18	16.52	4	13	17
18	Thaluang Tai	129	133	262	11.10	17.37	32.30	11	20	31
19	Nabian	14	18	32	1.50	1.89	3.95	2	2	4
20	Khok	108	89	197	7.43	14.54	24.29	8	17	25
21	Naxay	101	93	194	7.76	13.60	23.92	8	16	24
22	Viengchaleun	151	160	311	13.36	20.33	38.34	14	24	38
23	Nahai	20	21	41	1.75	2.69	5.05	2	3	5
24	Soksavang	70	46	116	3.84	9.43	14.30	4	11	15
25	Hong Ke	117	114	231	9.52	15.76	28.48	10	18	28

III	Sikhottabong district-15 villages	965	1152	2117	96.16	129.95	261.01	95	134	229
26	Siboungheuang Thong	47	46	93	3.84	6.33	11.47	4	8	12
27	Nongteng Tai	60	45	105	3.76	8.08	12.95	4	8	12
28	Pakthang	129	96	225	8.01	17.37	27.74	8	18	26
29	Yaphak	90	76	166	6.34	12.12	20.47	6	14	20
30	Sisonseune	24	35	59	2.92	3.23	7.27	3	3	6
31	Wattai noi Tha	47	51	98	4.26	6.33	12.08	4	7	11
32	Akad	57	80	137	6.68	7.68	16.89	6	7	13
33	Phokham	71	120	191	10.02	9.56	23.55	10	9	19
34	Sikhai Thong	48	35	83	2.92	6.46	10.23	3	6	9
35	Dongnaxok Neua	125	135	260	11.27	16.83	32.06	11	16	27
36	Meuangvathong	81	115	196	9.60	10.91	24.17	9	13	22
37	Nahe	60	203	263	16.94	8.08	32.43	17	8	25
38	Wattai Gnai Tha	21	21	42	1.75	2.83	5.18	2	3	5
39	Nong buk Neua	59	57	116	4.76	7.95	14.30	5	8	13
40	Danekham	46	37	83	3.09	6.19	10.23	3	6	9
IV	-Sisattanak District-10 villages	1855	1948	3014	162.60	249.81	371.60	160	197	357
41	Phonepapao Thong	304	829	1133	69.20	40.94	139.69	69	46	115
42	Nongchanh	24	26	50	2.17	3.23	6.16	2	4	6
43	Sokpaluang	45	83	128	6.93	6.06	15.78	7	7	14
44	Haisok	54	56	110	4.67	7.27	13.56	4	9	13
45	Thongkang	135	203	338	16.94	18.18	41.67	17	21	38
46	Vatnak	960	238	429	19.87	129.28	52.89	20	60	80
47	Donpalang Tha	31	28	59	2.34	4.17	7.27	2	5	7
48	Phonesavanh Tai	75	43	118	3.59	10.10	14.55	3	12	15
49	Simeuang	108	245	271	20.45	14.54	33.41	20	17	37
50	Phaxay	119	197	378	16.44	16.03	46.60	16	16	32
	Grand Total	5198	5990	9733	500	700	1200	500	700	1200

## APPENDIX C

### QUESTIONNAIRE SURVEY THE INFLUENCE OF PARENTAL-CHILD INTERACTION ON SEXUAL ATTITUDES AND BEHAVIORS OF UNMARRIED YOUTH IN VIENTIANE MUNICIPALITY, LAO PDR

#### SECTION 1. SOCIO-DEMOGRAPHIC AND FAMILY CHARACTERISTICS

Questions	Coding categories	Skip to
1.1 Sex of respondent	Male 1 Female 2	
1.2 Date of birth	/ /	
1.3 How old are you when at last birthday?	age in years	
1.4 Have you ever attended school?	Yes 1 No 2	→ 1.10
1.5 What is the highest level of schooling you completed?	Primary 1 Secondary 2 Technical 3 University 4 Postgraduate 5	
1.6 What class/grade/year did you complete this school?	--	
1.7 Are you currently attending regular school, college or university? Full-time or part-time?	Yes, full time 1 Yes, part time 2 No 3	→ 1.10 → 1.10
1.8 How old were you when you left school/college or university?	-- age in years	
1.9 Is the school or university that you attend is private or government institution?	Government 1 Private 2	
1.10 Have you ever worked for pay?	Yes 1 No 2	→ 1.15
1.11 How old were you when you start working?	age in years	
1.12 Are currently working for pay?	Yes 1 No 2	→ 1.15
1.13 What type of work did you do?	..... .....	
1.14 How much do you earn in a month?	Kips	
1.15 Are you looking for work?	Yes 1 No 2	
1.16 What are the source of your income?	Working 1 Parents 2 Scholarship 3 Others.....	
1.17 Is your income enough for your expenses?	Yes 1 No 2	
1.18 What is marital status of your parent?	Incohabating/Single 1 Married 2 Separated 3 Widowed/divorced 4	

1.19	What is the age of your father?	in years	
1.20	What is the highest level of education that your father completed?	Primary Secondary Technical University Postgraduate	1 2 3 4 5
1.21	Is your father currently working?	Yes No	1 2 → 1.23
1.22	What is your father's occupation?	Government Officer Private Officer Commercial/Business Farmer/agriculture Others.....	1 2 3 4 5
1.23	What is the age of your mother?	in years	
1.24	What is the highest level of education that your mother completed?	Primary Secondary Technical University Postgraduate	1 2 3 4 5
1.25	Is your mother currently working?	Yes No	1 2 → 1.27
1.26	What is your mother's occupation?	Government Officer Private Officer Commercial/Business Farmer/agriculture Others.....	1 2 3 4 5
1.27	What is your family size?		
1.28	What is your birth order?	Order	
1.29	What is your family structure?	Parent & children Mother & children Father & children Grandparents, parents & children	1 2 3 4
1.30	Where do you live?	Live with family/relative Dormitory Rent a house Other.....	1 2 3
1.31	Is your father alive?	Yes No	1 2 → 1.33
1.32	Does he live with the same house with you?	Yes No	1 2
1.33	Is your mother alive?	Yes No	1 2 → 1.35
1.34	Does she live with the same house with you?	Yes No	1 2
1.35	Are you feeling lonely?	Yes No	1 2
1.36	Are you happy with your family?	Yes No	1 2
1.37	What is your main source of sex education?	Parents Friends Schools Media Others.....	1 2 3 4 5

**SECTION 2: CONNECTEDNESS AND CLOSENESS**

No	Questions	Answers				
		Agree strongly	Agree somewhat	Uncertain	Disagree somewhat	Disagree strongly
2.1	My mom and I are close					
2.2	My father and I are close					
2.3	I trust my mom					
2.4	I trust my dad					
2.5	My mom cares about me a lot					
2.6	My dad cares about me a lot					
2.7	My mom is warm and love me					
2.8	My dad is warm and love me					
2.9	I am satisfied with relation with my mother					
2.10	I am satisfied with relation with my father					
2.11	My parent have fun together					
2.12	My parent understands me					
2.13	When I do well, my family praises me.					
2.14	When I have a problem there is someone I can talk to.					
2.15	My parent used to ask about my privacy as girlfriend/ boyfriend, lover and friends					
2.16	My mother is there when I need her					
2.17	My father is there when I need him					
2.18	My father helps me to choose career					
2.18	My mom helps me to choose career					

### SECTION 3: PARENT-YOUTH GENERAL COMMUNICATION

No	Questions	Answers				
		Agree strongly	Agree somewhat	Uncertain	Disagree somewhat	Disagree strongly
3.1	My mother and I can talk together almost about anything.					
3.2	My father and I can talk together almost about anything					
3.3	I can tell my mother how I feel about everything.					
3.4	I can tell my father how I feel about everything					
3.5	I find it easy to discuss problems with my mother					
3.6	I find it easy to discuss problems with my mother.					
3.7	It is easy for me to discuss all my true feeling with my mother.					
3.8	It is easy for me to discuss all my true feeling with my father					

### SECTION 4: PARENT-YOUTH SEXUAL COMMUNICATION

	Questions	Coding categories	Skip to
4.1.1	How often you and your father ever talked about physical and sexual development?	Often 1 Occasionally 2 Rarely 3 Never 4	
4.1.2	How often you and your father ever talked about reproduction having babies?	Often 1 Occasionally 2 Rarely 3 Never 4	
4.1.3	How often you and your father discussed the consequences of having sex, including pregnancy STDs, HIV/AIDS?	Often 1 Occasionally 2 Rarely 3 Never 4	



4.1.4	How often you and your father ever talked about HIV/AIDS?	Often Occasionally Rarely Never	1 2 3 4	
4.1.5.	How often you and your father ever talked about STDs?	Often Occasionally Rarely Never	1 2 3 4	→ 5.7
4.1.6	How often you and your father ever talked about when to start having sex?	Often Occasionally Rarely Never	1 2 3 4	
4.1.7	How often you ever discussed about condom with your father?	Often Occasionally Rarely Never	1 2 3 4	
4.1.8	How often you ever discussed about birth control with your father?	Often Occasionally Rarely Never	1 2 3 4	
4.2.1.	How often you and your mother ever talked about physical and sexual development?	Often Occasionally Rarely Never	1 2 3 4	4.1.
4.2.2	How often you and your mother ever talked about reproduction having babies?	Often Occasionally Rarely Never	1 2 3 4	4.2
4.2.3	How often you and your mother discussed the consequences of having sex, including pregnancy STDs, HIV/AIDS?	Often Occasionally Rarely Never	1 2 3 4	4.3
4.2.4	How often you and your mother ever talked about HIV/AIDS?	Often Occasionally Rarely Never	1 2 3 4	
4.2.5	How often you and your mother ever talked about STDs?	Often Occasionally Rarely Never	1 2 3 4	→ 5.7
4.2.6	How often you and your mother ever talked about when to start having sex?	Often Occasionally Rarely Never	1 2 3 4	
4.2.7	How often you ever discussed about condom with your mother?	Often Occasionally Rarely Never	1 2 3 4	
4.2.8	How often you ever discussed about birth control with your mother?	Often Occasionally Rarely Never	1 2 3 4	

**SECTION 5: PERCEIVED PARENTAL EXPECTATION**

No	Questions	Answers				
		Agree strongly	Agree somewhat	Uncertain	Disagree somewhat	Disagree strongly
5.1	Father feels that I should give more attention to education than having boy/girl friend					
5.2	Father feels that I cannot go out to date at my age					
5.3	Father feels that I cannot kiss or necking with boy/girl friends at my age					
5.4	Father thinks that I should not have sex before I marry					
5.5	Mother feels that I should give more attention to education than having boy/girl friend					
5.6	Mother feels that I cannot go out to date at my age					
5.7	Mother feels that I cannot kiss or necking with boy/girl friends at my age					
5.8	Mother thinks that I should not have sex before I marry					

## SECTION 6: SEXUAL ATTITUDE

No	Questions	Answers				
		Agree strongly	Agree somewhat	Uncertain	Disagree	Disagree strongly
6.1	It is acceptable for men to have sex before marriage					
6.2	Men need to have more than one sexual partner, often at the same time					
6.3	It is acceptable that my friends encourage me to have sex					
6.4	It is acceptable most of my friend are having sex					
6.5	I must have sex to keep my boy/girl friend					
6.6	It is acceptable for women to have sex before marriage					
6.7	It is okay for a girl to initiate sex					
6.8	It is okay for a girl to suggest condom use					
6.9	I think that woman is also interested in the man who have multiple sex partners					
6.10	It is not acceptable for boyfriend to force his girl friend to have sex					
6.11	It is not alright to demand sex from a girlfriend or boyfriend					
6.13	It is not acceptable for boys to pressure girls initiate sex					
6.20	I think that people can know which woman had sexual experienced from looking the body and external character					

## SECTION 7: CURRENT/MOST RECENT HETEROSEXUAL RELATIONSHIP

Questions	Coding categories	kip t
7.1 Have you ever had a girl/boy friend. I mean someone to whom you were sexually emotionally attracted and whom you 'dated' (use local terms to specify going out together unaccompanied by other people)	Yes 1 No 2	Section
7.2 How many steady girl/boy friends have you had?	--	
7.3 Has your boyfriend/girlfriend smoke?	Yes 1 No 2 Not sure 7	
7.4 Has your boyfriend/girlfriend drink?	Yes 1 No 2 Not sure 7	
7.5 Has your boyfriend/girlfriend used drug?	Yes 1 No 2 Not sure 7	
7.6 Did your boyfriend/girlfriend go out during the night time?	Yes 1 No 2 Not sure 7	
7.7 Has any peer persuade you to have friends?	Yes 1 No 2	
7.8 Has any peer persuade you to go out to dating?	Yes 1 No 2	
7.9 Has any peer encouraging you to have sex?	Yes 1 No 2	
7.10 Has your boyfriend/girlfriend indicated that they wanted to have sex with you?	Yes 1 No 2	
7.11 What influence did you received from Boyfriend/girlfriend?	_____	
7.12 Which of the following best describes your plans about having sexual intercourse in the future? (select one answer)	I plan to wait until marriage before having sexual intercourse 1 I plan to wait until engagement before having sexual intercourse 2 I plan to wait until meeting someone 3 I really love before having sex 4 I plan to wait until having appropriate Opportunity 5 Expect to having sex recently 6 No have plan for this issue 7	

7.13	Did you dated with anyone?	Yes	1	
		No	2	
7.14	Did you holding hands with him/her?	Yes	1	
		No	2	
7.15	Did you kissing and necking?	Yes	1	
		No	2	
7.16	Did you ever petting upper part of body?	Yes	1	
		No	2	
7.17	Did you ever petting lower part of body (very close to short of intercourse)?	Yes	1	
		No	2	

### **SECTION 8: FIRST SEXUAL RELATIONSHIP**

No	Sexual intercourse	Yes	No
8.1	Do you ever had vaginal intercourse	1	2
	Do you ever had Oral sex	1	2
	Do you ever had Anal sex	1	2

If you do not have any sexual activities, skip to the Next Section

Questions	Coding categories	Skip to
8.1 How old were you at the first time of sexual intercourse?	__ age in years	
8.2 In the last 6 months, have you ever had sexual intercourse?	Yes No	1 2 Next Section
8.3 In the last 6 months, how many times have you had vaginal sex?	__ times	
8.4 In the last 6 months, how many times have you had oral sex?	__ times	
8.5 In the last 6 months, how many times have you had anal sex?	__ times	
8.6 In the last 6 months, how many partners have you had?	__ No of partners	

**8.8 In the last 6 months, have you ever had sex with the following partners? If so, how often did you use a condom?**

Person	Yes	No	Condom use in the last 6 months				
			Never	Few times	Half th time	Most times	Every time
Girlfriend or boyfriend	1	2	0	1	2	3	4
Male/ female sex workers	1	2	0	1	2	3	4
Other (specify)	1	2	0	1	2	3	4
Someone who do you think is drug users	1	2	0	1	2	3	4
Someone who you think has had sex with a lot of other people	1	2	0	1	2	3	4
Someone who gave you gifts or money in exchange for sex	1	2	0	1	2	3	4

No	Questions	Coding categories	Skip to
8.9	The last time you had sex with someone did you or your partner use a condom?	Yes 1	"1" skip to 9.11
		No 2	
8.10	What the reasons you used a condom? (Circle all that apply)	Own concern to prevent pregnancy 1	} Skip to 9.12
		Own concern to prevent STD/ HIV 2	
		Partner insisted/ partner's choice 3	
		Other (specify) .....	
8.11	What the reasons you did not use a condom? (circle all that apply)	Condom are uncomfortable 1	
		Embarrassing to use condoms 2	
		Unable to get condoms 3	
		Had sex with partner who did not CSW 4	
		Had sex with my regular partner 5	
		Partner did not want to 6	
		Other (specify) .....	
8.12	At your last sexual intercourse, who decided to use or not use condom?	Self 1	
		Partner 2	
		Both 3	
		Other 4	
		Both did not decided at all 5	
		Not sure 7	

8.13	If you want to have sex next time, would you like to use condom?	No	0	
		Yes	1	
		Not sure	7	
8.14	Who will make the decision about whether to use a condom?	Self	1	
		Partner	2	
		Both	3	
		Other	4	
		Not sure	7	
8.15	In the last 6 months, have you or your partner ever declined or refused to use condoms?	No	0	
		Yes	1	
		Can not remember	7	
8.16	How confident are you that you could convince him/ her that he or she should use a condom if you wanted to use one?	Not at all confident	1	
		Somewhat confident	2	
		Confident	3	
		Very confident	4	
8.17	What would you do if your partner declines or refuses to use condom?	Have sex without condom	1	
		Talk it over and use condom	2	
		Talk it over but not use condom	3	
		Withdrawal	4	
		Outside intercourse	5	
		Other (specify) .....		
		Don't know/ not sure	7	
8.18	How confident are you that you have skill to persuade your partner to use condom?	Not at all confident	1	
		Somewhat confident	2	
		Confident	3	
		Very confident	4	
8.19	Condom use became complicate and lost the time?	Disagree	1	-
		Agree	2	
8.20	It usually did not plan to have sex, it just happens.	Disagree	1	-
		Agree	2	
8.21	In the last 6 months before you had sexual intercourse, how often did you prepare/ plan?	Do not plan anything	1	-
		Sometimes	2	
		Every times	3	
8.22	In the last 6 months when you had sexual intercourse, do you feel any pressure from others to have sexual intercourse ?	A great deal	1	
		A little	2	
		None	3	
8.23	If you feel pressure by others to have sexual intercourse, from whom	_____		

## APPENDIX D

### 1.1 Reliability test for the mother-respondent connectedness

#### Correlation Matrix

	MICLOSE	IBELM	MCAREME	MWARME	ISATISMO
MICLOSE	1.0000				
IBELM	.2855	1.0000			
MCAREME	.3752	.2858	1.0000		
MWARME	.3682	.2897	.4663	1.0000	
ISATISMO	.3242	.3006	.3627	.4370	1.0000
IMOFUN	.3564	.2467	.2821	.2853	.2502
MUNDERME	.2717	.2505	.3457	.3381	.2394
MPRAISME	.1571	.1989	.1847	.2027	.1922
MOTHERNEE	.2341	.2036	.2476	.2853	.2030
MHELOCCU	.1369	.1903	.1746	.1324	.1174
IDISCUMO	.3178	.2671	.2957	.3214	.2548

	IMOFUN	MUNDERME	MPRAISME	MOTHERNEE	MHELOCCU
IMOFUN	1.0000				
MUNDERME	.3115	1.0000			
MPRAISME	.2791	.2530	1.0000		
MOTHERNEE	.3036	.3190	.2397	1.0000	
MHELOCCU	.2550	.1539	.1524	.1786	1.0000
IDISCUMO	.3190	.3962	.3118	.4124	.1728

	IDISCUMO
IDISCUMO	1.0000

N of Cases = 1152.0

Reliability Coefficients 11 items

**Alpha = .7890      Standardized item alpha = .8010**



## 1.2 Reliability test for the father-respondent connectedness

### Correlation Matrix

	FICLOSE	IBELF	FCAREME	FWARME	ISATISFA
FICLOSE	1.0000				
IBELF	.4217	1.0000			
FCAREME	.5045	.4135	1.0000		
FWARME	.4441	.4000	.5852	1.0000	
ISATISFA	.3466	.3979	.4182	.5057	1.0000
IFAFUN	.4881	.2882	.3735	.4191	.3438
FUNDERME	.4184	.3411	.4994	.4504	.3492
FPRAISME	.3219	.2643	.3643	.3724	.2789
IDISCUFA	.4218	.3270	.3987	.3708	.2669
FTHERNEE	.4122	.3131	.4359	.3979	.2824
FHELOCCU	.2323	.2678	.2979	.2984	.2011

	IFAFUN	FUNDERME	FPRAISME	IDISCUFA	FTHERNEE
IFAFUN	1.0000				
FUNDERME	.4330	1.0000			
FPRAISME	.4128	.3857	1.0000		
IDISCUFA	.3886	.4996	.3783	1.0000	
FTHERNEE	.4235	.4533	.3653	.4799	1.0000
FHELOCCU	.2120	.2273	.1976	.3030	.2989

	FHELOCCU
FHELOCCU	1.0000

N of Cases =1026.0

Reliability Coefficients 11 items

**Alpha = .8595      Standardized item alpha = .8663**

### 1.3 Reliability test for parent-respondent connectedness

#### Correlation Matrix

#### Reliability test for parent-youth connectedness

#### Correlation Matrix

	MICLOSE	IBELM	MCAREME	MWARME	ISATISMO
MICLOSE	1.0000				
IBELM	.2654	1.0000			
MCAREME	.3660	.2696	1.0000		
MWARME	.3580	.2863	.4540	1.0000	
ISATISMO	.2960	.2802	.3410	.4218	1.0000
IMOFUN	.3558	.2382	.2780	.2836	.2429
MUNDERME	.2740	.2305	.3377	.3530	.2233
MPRAISME	.1570	.1935	.1887	.2264	.1822
MOTHERNEE	.2362	.1741	.2443	.3045	.1935
MHELOCCU	.1386	.2109	.1699	.1283	.1180
IDISCUMO	.3143	.2629	.2875	.3242	.2571
FICLOSE	.3380	.1660	.2036	.2139	.1340
IBELF	.1850	.3579	.2224	.2267	.2208
FCAREME	.2116	.1771	.4041	.3117	.2203
FWARME	.2324	.1962	.2868	.4683	.3040
ISATISFA	.1697	.1581	.1883	.2951	.5002
IFAFUN	.2080	.1438	.1624	.1930	.1779
FUNDERME	.1571	.1878	.2646	.2912	.1811
FPRAISME	.0951	.1693	.1454	.1702	.1268
IDISCUFA	.1327	.1474	.1926	.1616	.1249
FTHERNEE	.1055	.1345	.1643	.1724	.1575
FHELOCCU	.1267	.1480	.1806	.1544	.0955

	IMOFUN	MUNDERME	MPRAISME	MOTHERNEE	MHELOCCU
IMOFUN	1.0000				
MUNDERME	.3048	1.0000			
MPRAISME	.3019	.2513	1.0000		
MOTHERNEE	.2985	.3098	.2238	1.0000	
MHELOCCU	.2617	.1670	.1684	.1840	1.0000
IDISCUMO	.3107	.3934	.3025	.3987	.1754
FICLOSE	.2069	.1777	.1410	.2200	.1681
IBELF	.1482	.1537	.1217	.1961	.1602
FCAREME	.2341	.2543	.2025	.2469	.1916
FWARME	.2949	.2480	.2131	.2770	.2162
ISATISFA	.1831	.1779	.1330	.1721	.1309
IFAFUN	.4543	.2168	.2359	.2854	.2030
FUNDERME	.2331	.4047	.2272	.2896	.2044
FPRAISME	.2681	.1609	.5619	.2293	.2103

IDISCUFA	.2501	.2396	.2333	.2491	.2330
FTHERNEE	.2359	.2269	.1898	.4608	.2375
FHELOCCU	.2095	.1214	.0537	.1418	.6250

### Reliability Analysis-Scale (Alpha)

#### Correlation Matrix

	IDISCUMO	FICLOSE	IBELF	FCAREME	FWARME
IDISCUMO	1.0000				
FICLOSE	.2304	1.0000			
IBELF	.1749	.4261	1.0000		
FCAREME	.2339	.5057	.4134	1.0000	
FWARME	.2798	.4464	.4081	.5770	1.0000
ISATISFA	.2102	.3493	.3919	.4097	.5074
IFAFUN	.2664	.4933	.2951	.3757	.4305
FUNDERME	.2976	.4186	.3330	.4960	.4560
FPRAISME	.2291	.3226	.2640	.3647	.3779
IDISCUFA	.3783	.4252	.3271	.4001	.3744
FTHERNEE	.2370	.4180	.3140	.4361	.3963
FHELOCCU	.1299	.2297	.2621	.2914	.2909

	ISATISFA	IFAFUN	FUNDERME	FPRAISME	IDISCUFA
ISATISFA	1.0000				
IFAFUN	.3530	1.0000			
FUNDERME	.3419	.4323	1.0000		
FPRAISME	.2728	.4190	.3864	1.0000	
IDISCUFA	.2604	.4005	.5018	.3814	1.0000
FTHERNEE	.2747	.4332	.4588	.3720	.4783
FHELOCCU	.1834	.2187	.2251	.1867	.3015

	FTHERNEE	FHELOCCU
FTHERNEE	1.0000	
FHELOCCU	.2887	1.0000

N of Cases = 988.0

Reliability Coefficients 22 items

**Alpha = .8853      Standardized item alpha = .8889**

### 2.1 Reliability test for mother-respondent general communication

#### Correlation Matrix

	MICANTAL	ITELLMO	EASDISMO	EASDIFEM
MICANTAL	1.0000			
ITELLMO	.6061	1.0000		
EASDISMO	.4205	.4309	1.0000	
EASDIFEM	.4239	.5658	.5757	1.0000

N of Cases = 1152.0

Reliability Coefficients 4 items

**Alpha = .8027      Standardized item alpha = .8024**

### 2.2 Reliability test for father-respondent general communication

#### Correlation Matrix

	FICANTAL	ITELLFA	EASDISFA	EASDIFEF
FICANTAL	1.0000			
ITELLFA	.7321	1.0000		
EASDISFA	.5886	.6101	1.0000	
EASDIFEF	.6136	.6742	.6889	1.0000

N of Cases = 1026.0

Reliability Coefficients 4 items

**Alpha = .8818      Standardized item alpha = .8819**

### 2.3 Reliability test for parent-respondent general communication

#### Correlation Matrix

	MICANTAL	ITELLMO	EASDISMO	EASDIFEM	FICANTAL
MICANTAL	1.0000				
ITELLMO	.6022	1.0000			
EASDISMO	.4266	.4225	1.0000		
EASDIFEM	.4279	.5655	.5813	1.0000	
FICANTAL	.4090	.3531	.2240	.3168	1.0000
ITELLFA	.2950	.4742	.2553	.3634	.7376
EASDISFA	.1844	.2441	.4012	.3357	.5899
EASDIFEF	.2047	.3295	.3116	.5224	.6157

	ITELLFA	EASDISFA	EASDIFEF
ITELLFA	1.0000		
EASDISFA	.6108	1.0000	
EASDIFEF	.6728	.6911	1.0000

N of Cases = 988.0

Reliability Coefficients 8 items

Alpha = .8611      Standardized item alpha = .8601

### 3.1 Reliability test for mother-respondent sexual communication

#### Correlation Matrix

	WHENSEXM	CONSEXM	CONDOMM	BIRTCOM	HIVM
WHENSEXM	1.0000				
CONSEXM	.4694	1.0000			
CONDOMM	.2879	.3977	1.0000		
BIRTCOM	.2487	.3319	.4134	1.0000	
HIVM	.2712	.4675	.4782	.3656	1.0000
STDM	.3057	.4411	.3745	.4356	.5441
RPBABIM	.2955	.3678	.2864	.3818	.3480
PSDEVELM	.3106	.2850	.2315	.3201	.2569
	STDM	RPBABIM	PSDEVELM		
STDM	1.0000				
RPBABIM	.3897	1.0000			
PSDEVELM	.3284	.4962	1.0000		

N of Cases = 1152.0

Reliability Coefficients 8 items

Alpha = .8127      Standardized item alpha = .8193

### 3.2 Reliability test for father-respondent sexual communication

#### Correlation Matrix

	WHENSEXF	CONSEXF	CONDOMF	BIRTCOF	HIVF
WHENSEXF	1.0000				
CONSEXF	.4697	1.0000			
CONDOMF	.3797	.5104	1.0000		
BIRTCOF	.2893	.4178	.5189	1.0000	
HIVF	.3838	.5041	.5015	.4359	1.0000
STDF	.3367	.4646	.5316	.3972	.5790
RPBABIF	.3334	.3767	.3453	.3584	.3764
PSDEVELF	.1856	.2879	.2780	.3145	.3965

  

	STDF	RPBABIF	PSDEVELF
STDF	1.0000		
RPBABIF	.4136	1.0000	
PSDEVELF	.3368	.4202	1.0000

N of Cases = 1026.0

Reliability Coefficients 8 items

Alpha = .8357      Standardized item alpha = .8410

### 3.3 Reliability test for parent-respondent sexual communication

#### Correlation Matrix

	WHENSEXM	CONSEXM	CONDOMM	BIRTCOM	HIVM
WHENSEXM	1.0000				
CONSEXM	.4540	1.0000			
CONDOMM	.2917	.4011	1.0000		
BIRTCOM	.2471	.3210	.4276	1.0000	
HIVM	.2534	.4421	.4868	.3643	1.0000
STDM	.3138	.4447	.3985	.4471	.5415
RPBABIM	.3050	.3601	.2935	.3712	.3365
PSDEVELM	.3069	.2659	.2209	.3136	.2409
WHENSEXF	.5182	.3614	.2539	.1827	.2870
CONSEXF	.3083	.5557	.3374	.2731	.4141
CONDOMF	.1971	.3029	.6148	.3036	.4192
BIRTCOF	.1944	.2689	.3738	.5034	.3551
HIVF	.2091	.3455	.4303	.2797	.7002
STDF	.1748	.3053	.3557	.2586	.4325
RPBABIF	.2281	.2702	.2942	.2473	.3025
PSDEVELF	.1177	.1725	.2849	.2311	.2847

	STDM	RPBABIM	PSDEVELM	WHENSEXF	CONSEXF
STDM	1.0000				
RPBABIM	.3973	1.0000			
PSDEVELM	.3257	.4807	1.0000		
WHENSEXF	.2756	.2202	.1627	1.0000	
CONSEXF	.3468	.2954	.2042	.4651	1.0000
CONDOMF	.3079	.2149	.1384	.3856	.5089
BIRTCOF	.2990	.2805	.2060	.2950	.4234
HIVF	.4407	.2742	.2169	.3855	.5019
STDF	.5080	.2586	.1951	.3300	.4583
RPBABIF	.2936	.5407	.3556	.3237	.3733
PSDEVELF	.2315	.2600	.4645	.1854	.2874

	CONDOMF	BIRTCOF	HIVF	STDF	RPBABIF
CONDOMF	1.0000				
BIRTCOF	.5230	1.0000			
HIVF	.5000	.4383	1.0000		
STDF	.5252	.4019	.5798	1.0000	
RPBABIF	.3482	.3717	.3703	.4193	1.0000
PSDEVELF	.2731	.3219	.3965	.3438	.4154

	PSDEVELF
PSDEVELF	1.0000

N of Cases = 988.0

Reliability Coefficients 16 items

**Alpha = .8874      Standardized item alpha = .8930**

#### 4.1 Reliability test for mother expectation regarding towards sex

##### Correlation Matrix

	MATEF1	CANOTGO1	NOKISM1	NOSEXM1
MATEF1	1.0000			
CANOTGO1	.2616	1.0000		
NOKISM1	.1209	.6052	1.0000	
NOSEXM1	.1118	.5056	.7070	1.0000

N of Cases = 1152.0

Reliability Coefficients 4 items

**Alpha = .7339      Standardized item alpha = .7149**

#### 4.2 Reliability test for father expectation regarding to sex

##### Correlation Matrix

	MATF	CANOTGF1	NOKISF	NOSEXB
MATF	1.0000			
CANOTGF1	.2631	1.0000		
NOKISF	.1751	.6544	1.0000	
NOSEXB	.1995	.5840	.7613	1.0000

N of Cases = 1026.0

Reliability Coefficients 4 items

**Alpha = .7759      Standardized item alpha = .7583**

#### 4.3 Reliability test for parent-respondent expectation regarding to sex

##### Correlation Matrix

	MATEF1	CANOTGO1	NOKISM1	NOSEXM1	MATF
MATEF1	1.0000				
CANOTGO1	.2664	1.0000			
NOKISM1	.1324	.5890	1.0000		
NOSEXM1	.1318	.5039	.7111	1.0000	
MATF	.7778	.2700	.1734	.1749	1.0000
CANOTGF1	.1933	.8085	.6075	.5480	.2624
NOKISF	.1035	.5535	.8661	.7114	.1715
NOSEXB	.1174	.5066	.7099	.9066	.1945

	CANOTGF1	NOKISF	NOSEXB
CANOTGF1	1.0000		
NOKISF	.6458	1.0000	
NOSEXB	.5764	.7635	1.0000

N of Cases = 988.0

Reliability Coefficients 8 items

**Alpha = .8821      Standardized item alpha = .8736**



## 5. Reliability test for sexual attitudes

### Correlation Matrix

	ACPREM	M2PSAM	FENCMS	FHAVSE	NMFORC
ACPREM	1.0000				
M2PSAM	.3954	1.0000			
FENCMS	.3425	.2530	1.0000		
FHAVSE	.3726	.2389	.4830	1.0000	
NMFORC	.2721	.2592	.2751	.3317	1.0000
HASKEEP	.2946	.2795	.3163	.2799	.4396
OKSEXF	.3633	.2399	.3308	.3840	.3728
BPRESG	.2440	.1517	.2478	.2886	.3491
ACWPRE	.2198	.1428	.2089	.2552	.2372
OKGINS	.2429	.1738	.2368	.2773	.2822
WINTM	.2324	.2004	.2106	.2382	.1897
KNWSEX	.0726	-.0194	.0235	.0766	.1130
OKGCON	-.0058	.0452	-.0090	.0209	.0686

	HASKEEP	OKSEXF	BPRESG	ACWPRE	OKGINS
HASKEEP	1.0000				
OKSEXF	.5006	1.0000			
BPRESG	.2407	.2767	1.0000		
ACWPRE	.1988	.2821	.1909	1.0000	
OKGINS	.3128	.3419	.2996	.3045	1.0000
WINTM	.1839	.2412	.1540	.1866	.2246
KNWSEX	.0948	.1005	.0979	.0709	.0146
OKGCON	.0732	.0598	.1099	.1236	.0728

### Correlation Matrix

	WINTM	KNWSEX	OKGCON
WINTM	1.0000		
KNWSEX	.0387	1.0000	
OKGCON	.0074	.0104	1.0000

No of Cases = 1200.0

Reliability Coefficients 13 items

**Alpha = .7736      Standardized item alpha = .7752**

## APPENDIX E

**Table E1: Determinants of Sexual Attitudes and Behaviors among Male Respondents in the bivariate analysis**

Variables	Ever Had Sex	Age at 1 <sup>st</sup> coitus	Condom Use	Number of Sex Partners	Sexual Attitudes
Individual Characteristic (Age, education, attending school, sufficient income, sex education, feeling lonely and happy)	- Positive correlation between older age, attending school, working Status, living place with relatives/others feeling lonely often, sex Education and 'Ever Had Sex'.	-Sufficient income is related to early 'Age at First Sex'.  -Working status is related to late 'Age at First Sex'.	-No relationship	-Positive Correlation between education level and 'Number of Sex Partners'.	-Older age, feeling often lonely are related to liberal 'Sexual Attitudes'  -Living place with family/relatives is related to conservative 'Sexual Attitudes'
Parent's Background (Mother's, Father's Education, mother's working, parent's marital status, living place, fathers/mothers living with the same house with	-Negative Correlation between Father and Mother Living with the same house and 'Ever Had Sex'.	No relationship	-Positive relationship between Mother's Education and 'Condom use'	-No Correlation	-Mothers and fathers living with the same house were related to more conservative 'Sexual Attitudes'

Variables	Ever Had Sex	Age at 1 <sup>st</sup> coitus	Condom Use	Number of Sex Partners	Sexual Attitudes
respondents and family size					
Parent-respondent interaction	-Negative Relationship between Perceived Mother, father and parent expectation regarding towards sexuality and 'Ever Had Sex'	-Mother-son sexual communication is related to late onset 'Age at First Sex'	-Father-son communication about condom is positively related to 'Condom Use'.	-Positive correlation between mother-son sexual communication and 'Number of Sex Partners'  -Negative relationship between perceived Father, Mother higher expectation regarding sexuality and 'Number of Sex Partners'.	-Mother-son connectedness, general communication are related to conservative 'Sexual Attitudes' -Father-son sexual communication is related to liberal 'Sexual Attitudes' -Mother//Father expectation is related to conservative 'Sexual Attitudes'
Intimate Relationship (Having boy/girl friends, Dating, Holding, kissing, petting upper part and lower part)	- Positive Correlation between having girl/boy friends, having a number of friends, Dating, Holding hands, Kissing, Petting upper and lower part of the body and 'Ever Had Sex' .	- No relationship	-No relationship	-Having a number of steady boy/girl friends and petting lower part of the body are more likely to have multiple 'Sex Partners'.	-Having friends, a number of girl friends, dating, holding, kissing, petting upper and lower part of the body are related to liberal 'Sexual Attitudes'

<b>Variables</b>	<b>Ever Had Sex</b>	<b>Age at 1<sup>st</sup> coitus</b>	<b>Condom Use</b>	<b>Number of Sex Partners</b>	<b>Sexual Attitudes</b>
Partner's undesirable behavior	-Positive Correlation between Partner's drinking and 'Ever Had sex'	- No relationship	-No relationship	-Not included in the bivariate analysis due to small number.	-Girl friends smoking, drinking and dating are related to more liberal 'Sexual attitudes'.
Peer influence to have steady friends, dating, having sex, indicating having sex	-Positive Correlation between peer influence to dating, having sex and indicating having sex and 'Ever Had Sex'	- No relationship	-No relationship	-No Correlation	Peer influence to dating, having sex and indicating desire sex are related to liberal 'Sexual Attitudes'

Note: For 'Condom Use' and 'Number of Sex Partner', Feeling towards family and Sex education were not included in the bivariate analysis due to small number

**Table E2: Determinants of Sexual Attitudes and Behaviors among Female Respondents in the bivariate analysis**

<b>Variables</b>	<b>Ever Had Sex</b>	<b>Age at 1<sup>st</sup> coitus</b>	<b>Condom Use</b>	<b>Number of Sex Partners</b>	<b>Sexual Attitudes</b>
Individual Characteristic (Age, education, attending school, sufficient income, sex education, feeling lonely and happy)	<p>- Positive correlation between older age, attending school, feeling happy often, friends as source of sex education, feeling happy more often and 'Ever Had Sex'</p> <p>-Negative correlation between education, sufficient income and 'Ever had Sex'</p>	-High Education is related to delay onset of 'Age at First Sex'.	-Negative Correlation between Living Place and 'Condom Use'	-No relationship	<p>-Older age and attending school is related to more liberal 'Sexual Attitudes'</p> <p>-Feeling lonely more often and less happy towards families are related to more liberal 'Sexual attitudes'.</p> <p>-Friends as source of sex education is related to liberal 'Sexual Attitudes'.</p>
Parent's Background (Mother's, Father's Education, mother's working, parent's marital status, living place, fathers/mothers living with the same house with respondents and family size)	No Relationship	- No relationship	-No relationship	-No relationship	-No relationship

Parent-respondent interaction	-Negative Relationship between Mother, Father-daughter connectedness, general and sexual communication and expectation regarding to sex and 'Ever Had Sex'	- No relationship	-No relationship	-No relationship	-High mother-daughter connectedness and general communication and father-daughter general communication are related to conservative 'Sexual Attitudes' -Perceived mothers/ fathers disapproval of sex is related to conservative 'Sexual Attitudes'
Intimate Relationship (Having boy/girl friends, Dating, Holding, kissing, petting upper part and lower part)	-Having girls/boyfriends, dating, kissing, holding hands, kissing, petting upper part and lower part and 'Ever Had Sex'	-No relationship	-No relationship	-No correlation	-Having friends, dating, holding, kissing, petting upper and lower part of the body are related to liberal 'Sexual Attitudes'
Partner's undesirable behavior	-Positive Correlation between partner's smoking and drinking and 'Ever Had Sex'	- No relationship	- No relationship	-No correlation	-No relationship
Peer influence to have steady friends, dating, having sex, indicating having sex	-Peer influence to dating, having sex and indicating having sex was positively related to 'Ever Had Sex'	-Peer influence encouraging having sex is related to initiate early 'Age at First Sex'	Positive Correlation between peer influence having steady friends and 'Condom Use'	-No correlation	Peer influence to have steady friends, dating, having sex and indicating desire sex are related to liberal 'Sexual Attitudes'

Note: For 'Condom Use' and 'Number of Sex Partner', Feeling towards family and Sex education were not included in the bivariate analysis due to small number

## APPENDIX F

**Table F1: Determinants of Sexual Attitudes and Behaviors among Male Respondents in the multivariate analysis**

Variables	Ever Had Sex	Age at 1 <sup>st</sup> coitus	Condom Use	Number of Sex Partners	Sexual Attitudes
Individual Characteristic (Age, education, attending school, sufficient income, sex education, feeling lonely and happy)	<p>-Younger age and feeling less happy were associated with a lower likelihood of 'Ever Had Sex' (OR=.310*** and OR=.433**) in the Full Model</p> <p>-Attending school is related with an elevated likelihood of being 'Ever Had Sex' in the Individual and Intermediate Models (OR=2.038** and OR=2.003**)</p>	<p>Low education and Sufficient income were significantly related to early onset of 'Age at First Sex' in the Full Model (OR=1.397** and OR=1.254*)</p> <p>-Attending School is related to late onset of 'Age at First Sex' in the Full Model (OR=.816*)</p>	-Feeling lonely is related to higher likelihood of condom use in the Full Model (OR=7.816*)	Feeling less happy is negatively related to 'Number of Sex Partners' (OR=.249*)	-High Education is related to liberal sexual attitudes (Beta=.0749*)
Parent's Background (Mother's, Father's Education, mother's working,	-Mother's working status is related to increase the odds of 'Ever Had Sex' in the Full Model (OR=1.865*)	Family size was related to late 'Age at First Sex' in the Individual and Intermediate Models (OR=.941** and OR=.950*)	-Mother living in the same house is positively related to elevate odds of 'Condom Use' (OR=48.214*).	-No relationship	-Mother's education is related to more conservative 'Sexual Attitudes' in the Full Model (Beta=-.0786*)

Variables	Ever Had Sex	Age at 1 <sup>st</sup> coitus	Condom Use	Number of Sex Partners	Sexual Attitudes
parent's marital status, living place, fathers/mothers living with the same house with respondents and family size			-Mother's working is related with a reduced likelihood of Condom Use (odd ratio=.375*) in the Intermediate Model and marginally significant in the Full Model (OR=.335, p.053)		
Parent-respondent interaction	No relationship	-Father-son connectedness is related to delay 'Age at First Sex' in the Model B (OR=.760*)  -Mother-son sexual communication is related to early 'Age at First Sex' in the Full Model (OR=1.312*)  - Mother-son discussed when start having sex is related to late 'Age at First	-Father-son communication about birth control and condom is related with an increased likelihood of Condom Use (OR=24.092* and OR=15.417*)  - Father-son sexual communication and mother's discussion about birth control are related to reduce the likelihood of 'Condom Use	-High mother-son connectedness is negatively related to the 'Number of Sex Partners' (OR=.125*)  -High mother-son sexual communication is positively related to 'Number of Sex Partners' (OR=2.99*)  -Father-son sexual communication is negatively related to 'Number of Sex	-Mother-son general communication is related to conservative 'Sexual Attitudes' (Beta=-.0443*)  -Father-son sexual communication is related to liberal 'Sexual Attitudes' (Beta=.0575*)



Variables	Ever Had Sex	Age at 1 <sup>st</sup> coitus	Condom Use	Number of Sex Partners	Sexual Attitudes
		Sex' (OR=.745*)	(O=.200* and OR=.080*)	Partners' (OR=.289**)	
Intimate Relationship (Having boy/girl friends, Dating, kissing, petting upper part and lower part)	Dating, kissing, petting upper and lower part of the body significantly related to elevate the odds of 'Ever Had Sex' (OR=1.851*, OR=5.55***, OR=3.336***, OR=1.90*)	-No relationship	-No relationship	Having boy/girl friends is positively related to the 'Number of Sex Partners'(OR= ) (OR=7.369**)	-Dating is related to liberal 'Sexual Attitudes' (Beta=.0658*)
Partner's undesirable behavior	-Not included in the multivariate analysis	- Not included in the multivariate analysis	- Not included in the multivariate analysis	- Not included in the multivariate analysis	- Not included in the multivariate analysis
Peer influence to have steady friends, dating, having sex, indicating having sex	-No relationship	-No relationship	-No relationship	Peer influence to dating is positively related to the 'Number of Sex Partners'(OR=7.095* *)	Peer influence to dating is related to liberal 'Sexual Attitudes' (Beta=.0605*)

Note: Partner's undesirable behaviors were not included in the multivariate analysis due to skipped pattern.

- 'Condom Use' and 'Number of Sex Partners' were not included in the multivariate analysis for females

**Table F2: Determinants of Sexual Attitudes and Behaviors among Female Respondents in the multivariate analysis**

	<b>Ever Had Sex</b>	<b>Age at 1<sup>st</sup> coitus</b>	<b>Condom Use</b>	<b>Number of Sex Partners</b>	<b>Sexual Attitudes</b>
Individual Characteristic (Age, education, attending school, sufficient income, sex education, feeling lonely and happy)	-Younger age is related to less likely 'Ever Had Sex' in the Models A and B (OR=.579* and OR=.551*). -Attending school is related to increase the odds of 'Ever Had Sex' in the Model B (OR=.2.164*)	-No relationship	-Not included in the multivariate analysis	-Not included in the multivariate analysis	-Older age is related to liberal 'Sexual Attitudes' in the Model A and B (OR.0577* and OR.0573*)  -Attending school is related to more liberal 'Sexual Attitudes' in the Model B '(Beta=.0590*)
Parent's Background (Mother's, Father's Education, mother's working, parent's marital status, living place, fathers/mothers living with the same house with respondents and family size)	-No relationship	-No relationship	-Not included in the multivariate analysis	-Not included in the multivariate analysis	-Mother's education is related to liberal 'Sexual Attitudes' in the Model A and B and marginally significant in the Full Model (Beta=.0776, p.054)

	<b>Ever Had Sex</b>	<b>Age at 1<sup>st</sup> coitus</b>	<b>Condom Use</b>	<b>Number of Sex Partners</b>	<b>Sexual Attitudes</b>
Parent-respondent interaction	Father-daughter connectedness and mother-daughter general communication are related to the lower likelihood of 'Ever Had Sex' in the Model B (OR=.476* and OR=.617*)	-No relationship	-Not included in the multivariate analysis	-Not included in the multivariate analysis	-High father-daughter connectedness is related to conservative 'Sexual Attitudes' (Beta=-.112**) in the Intermediate Model and marginally significant in the Full Model (Beta=-.0642++, p-052)  -Perceived mother disapproval of sex is related to conservative 'Sexual Attitudes' in the Full Model (Beta=-.119**)
Intimate Relationship (Having boy/girl friends, Dating, kissing, petting upper part and lower part)	Having girls/boyfriends and kissing were significantly related to increase the odds of 'Ever Had Sex' (OR=11.249*, OR=28.417***)	Kissing is related to the early '1 <sup>st</sup> Coitus' (OR=1.371*)	-Not included in the multivariate analysis	-Not included in the multivariate analysis	-No correlation
Partner's undesirable behavior	-Not included in the multivariate analysis	- Not included in the multivariate analysis	- Not included in the multivariate analysis	- Not included in the multivariate analysis	- Not included in the multivariate analysis

	<b>Ever Had Sex</b>	<b>Age at 1<sup>st</sup> coitus</b>	<b>Condom Use</b>	<b>Number of Sex Partners</b>	<b>Sexual Attitudes</b>
Peer influence to have steady friends, dating, having sex, indicating having sex	Peer influence to have steady friends was less likely than the others to 'Ever Had Sex' (OR=.197*), while peer influence having sex is related to increase the likelihood of being sexually experience (OR=11.356***,)	Peer influence encouraging having sex is related to early of '1 <sup>st</sup> Coitus' (OR=1.778**)	-Not included in the multivariate analysis	-Not included in the multivariate analysis	-Peer influence having sex is related to liberal 'Sexual Attitudes' (Beta=.112*)

Note: Partner's undesirable behaviors were not included in the multivariate analysis due to skipped pattern. (only respondents who have girl/boy friends were asked about their partner's behaviors.

- 'Condom Use' and 'Number of Sex Partners' were not included in the multivariate analysis for females

## APPENDIX G

**Table G1: Determinants of Sexual Attitudes and Behaviors in the Bivariate and Multivariate analyses among Male respondents**

	<b>Ever Had Sex</b>	<b>Age at 1<sup>st</sup> coitus</b>	<b>Condom Use</b>	<b>Number of Sex Partners</b>	<b>Sexual Attitudes</b>
Individual Characteristic (Age, education, attending school, sufficient income, sex education, feeling lonely and happy)	<p>- Working Status, living with relatives/others, Feeling lonely often, Sex Education are more likely to relate to 'Ever Had Sex' than the others in the bivariate that is not significant after controlling.</p> <p>-Younger Age is related to the lower likelihood of being 'Ever Had Sex' in bivariate and multivariate analyses.(OR=.310**)</p> <p>-Attending School is more likely to relate</p>	<p>-Sufficient income is related to early 'Age at First Sex' in bivariate and multivariate analysis (OR=1.254*).</p> <p>-Attending School is significantly related to late onset 'Age at First Sex' in the Full Model.</p> <p>-Low education is related to early onset 'Age at First Sex' in the Full Model (OR=1.397**)</p> <p>-Working status is related to postpone the 'Age at First Sex' in bivariate analysis that lost its</p>	<p>-Feeling lonely is related to the higher likelihood of 'Condom Use' in the Full Model (OR=7.816*)</p> <p>(Feeling towards family and Sex education were not included in the bivariate analysis due to small number)</p>	<p>-High education level is less likely to relate having a 'Number of Sex Partners' that is not significant after controlling.</p> <p>-Feeling less happy lowered the odds of having 'Number of Sex Partners' after controlling(OR=.249*)</p> <p>(Feeling towards family and Sex education were not included in the bivariate analysis due to small number)</p>	<p>-Older age is related to more liberal 'Sexual Attitudes' in the bivariate.</p> <p>-High Education is related to liberal sexual attitudes in the full Model (Beta=.0749*)</p> <p>-Living place with family/relatives is related to conservative 'Sexual Attitudes' lost its significance after controlling.</p>

	Ever Had Sex	Age at 1 <sup>st</sup> coitus	Condom Use	Number of Sex Partners	Sexual Attitudes
	<p>to 'Ever Had Sex' in the bivariate and multivariate analysis (Model A and B)</p> <p>-Feeling less happy is related to reduce the odds of 'Ever Had Sex' after controlling for other confounders (OR=.433**)</p>	<p>significance after controlling.</p>			
<p>Parent's Background (Mother's, Father's Education, mother's working, parent's marital status, living place, fathers/mothers living with the same house with respondents and family size</p>	<p>-Negative Correlation between Father and Mother Living with the same house and 'Ever Had Sex' that is not significant after controlling.</p> <p>-Mother's working status is positively related to 'Ever Had Sex' in the Full Model (OR=1.865*)</p>	<p>Family size was related to late 'Age at First Sex' in the Individual and Intermediate Model (OR=.941** and OR=.950*)</p>	<p>-Positive relationship between Mother's Education and 'Condom use' that is not significant after controlling.</p> <p>-Mother living in the same house is positively related to 'Condom Use' after controlling (OR=48.214*).</p> <p>-Mother's working is negatively related to</p>	<p>-No Correlation</p>	<p>-Living with mothers and fathers is related to conservative 'Sexual Attitudes' that lost their significance after controlling.</p> <p>-Mother's education is related to more conservative 'Sexual Attitudes' in the Full Model (Beta=-.0786*)</p>

	Ever Had Sex	Age at 1 <sup>st</sup> coitus	Condom Use	Number of Sex Partners	Sexual Attitudes
			Condom Use (odd ratio=.375*) in the Intermediate Model and marginally significant in the Full Model (OR=.335, p.053)		
Parent-respondent interaction	-Negative relationship between perceived Mother, father and parent expectation regarding towards sexuality and 'Ever Had Sex' that is not significant after controlling.	-Father-son connectedness is related to delay 'Age at First Sex' in the Model B (OR=.760*)  -Mother-son sexual communication is related to late 'Age at First Sex' in the bivariate and multivariate analyses.  - Mother-son discussed when start having sex is related to delay 'Age at First Sex' in the multivariate analysis (OR=.745*)	-Father-son communication about condom is positively related to 'Condom Use' in bivairtae and multivariate analysis (OR=15.417*)  -Father-respondent communication about birth control is positively related to Condom Use in the Full Model (OR=24.092*)  - Father-son sexual communication and mother's discussion about birth control are negatively related	-High mother-son connectedness is related to reduce the odds of having 'Number of Sex Partners' (OR=.125*)  -High mother-son sexual communication is related with the higher likelihood of having 'Number of sex Partners' in both bivariate and multivariate analyses.  -Father-son sexual communication is related to lower likelihood of having	-High mother-son general communication is related to conservative 'Sexual Attitudes' in the bivariate and multivariate.  -Mother-son connectedness is related to conservative 'Sexual Attitudes' that is not significant after controlling  -Father-son sexual communication is related to liberal 'Sexual Attitudes' in bivariate and the Full Model

	Ever Had Sex	Age at 1 <sup>st</sup> coitus	Condom Use	Number of Sex Partners	Sexual Attitudes
			to 'Condom Use after controlling (OR=.200* and OR=.080*)	'Number of Sex Partners' after controlling (OR=.289**) <p>-Perceived Father, Mother higher expectation regarding sexuality is less likely to have 'Number of Sex Partners' that is not significant after controlling</p>	-Perceived mothers/ fathers disapproval of sex is related to conservative 'Sexual Attitudes' in bivariate analysis and lost their significant in the Full Model after controlling.
Intimate Relationship (Having boy/girl friends, Dating, Holding, kissing, petting upper part and lower part)	- Dating, Holding, Kissing, Petting upper and lower part of the body are related to the higher likelihood of 'Ever Had Sex' in both bivariate and multivariate analyses.	- No relationship	-No relationship	Having boy/girl friends is significantly more likely to have 'Number of Sex Partners' after controlling (OR=7.369**)	-Having friends, holding, kissing, petting upper and lower part of the body are related to liberal 'Sexual Attitudes' that is not significant after controlling. <p>-Dating is significantly related to liberal sexual attitudes in both bivariate and multivariate analyses.</p>



	<b>Ever Had Sex</b>	<b>Age at 1<sup>st</sup> coitus</b>	<b>Condom Use</b>	<b>Number of Sex Partners</b>	<b>Sexual Attitudes</b>
Partner's undesirable behavior	-Positive Correlation between Partner's drinking and 'Ever Had sex' in bivariate and not included in the multivariate analysis.	- No relationship	-No relationship -Not included in the multivariate analysis	-Not included in the bivariate and multivariate analysis due to small number.	Girl friends smoking, drinking and dating are related to more liberal 'Sexual Attitudes' in bivariate analysis and were not included in the multivariate analysis
Peer influence to have steady friends, dating, having sex, indicating having sex	-Positive Correlation between peer influence to dating, having sex and indicating having sex and 'Ever Had Sex' in bivariate that is no longer significant after controlling.	- No relationship	-No relationship	-Peer influence to dating is significantly more likely having 'Number of Sex Partners' after controlling (OR=7.095**)	Peer influence having sex and indicating desire sex are related to liberal 'Sexual Attitudes' that is not significant in the Full Model after controlling.  -Peer influence dating is related to liberal 'Sexual Attitudes' in both bivariate and multivariate analyses (Beta=.0605*)

Note: For 'Condom use', 'Number of sex Partners', Feeling towards family and Sex education were not included in the bivariate analysis due to small number.

**Table G2: Determinants of Sexual Attitudes and Behaviors in the Bivariate and Multivariate analyses among Female Respondents**

	<b>Ever Had Sex</b>	<b>Age at 1<sup>st</sup> coitus</b>	<b>Condom Use</b>	<b>Number of Sex Partners</b>	<b>Sexual Attitudes</b>
Individual Characteristic (Age, education, attending school, sufficient income, sex education, feeling lonely and happy)	<p>- Positive correlation between feeling lonely often, sex education and 'Ever Had Sex' lost their significance after controlling.</p> <p>-Negative correlation between sufficient income and 'Ever Had Sex' in bivariate and lost its significance after controlling for other variables.</p> <p>-Younger age is related to less likely 'Ever Had Sex' in the Models A and B (OR=.579* and OR=.551*).</p> <p>-Attending school is related to increase the odds of 'Ever Had Sex' in the Model B (OR=.2.164*)</p>	<p>- High Education is related to late onset of 'Age at First Sex' in bivariate that is not significant after controlling.</p>	<p>-Negative Correlation between Living Place and 'Condom Use'.in bivariate.</p> <p>-(Feeling towards family were not included in the bivariate analysis due to small number)</p> <p>-Not included in the multivariate analysis due to small number</p>	<p>-No relationship.</p> <p>-Not included in the multivariate analysis</p> <p>(Feeling towards family and Sex education were not included in the bivariate analysis due to small number)</p> <p>-Not included in the multivariate analysis due to small number</p>	<p>-Older age and attending school are related to liberal 'Sexual Attitudes' in the bivariate and Model A and B, but attending school is significant in the bivariate and Model B.</p> <p>-Feeling lonely more often and less happy towards families are related to more liberal 'Sexual attitudes' that is not significant after controlling.</p> <p>-Friends as source of sex education is related to liberal 'Sexual Attitudes' that is not significant after controlling</p>

	<b>Ever Had Sex</b>	<b>Age at 1<sup>st</sup> coitus</b>	<b>Condom Use</b>	<b>Number of Sex Partners</b>	<b>Sexual Attitudes</b>
Parent's Background (Mother's, Father's Education, mother's working, parent's marital status, living place, fathers/mothers living with the same house with respondents and family size)	-No relationship	-No relationship	-No relationship	-No Correlation -Not included in the multivariate analysis	-Mother's education is related to liberal 'Sexual Attitudes' in the Model A and B and marginally significant in the Full Model (Beta=.0776, p.054)
Parent-respondent interaction	-Negative Relationship between mother-daughter connectedness, mother, father-daughter general communication, father-daughter sexual communication and 'Ever Had Sex' lost their significance after controlling. -Father-daughter connectedness and	-No relationship	-No relationship -Not included in the multivariate analysis	-No relationship -Not included in the multivariate analysis	-High mother-daughter connectedness and father-daughter general communication are related to conservative 'Sexual Attitudes' that is not significant after controlling.  -High mother-daughter general communication is associated with

	Ever Had Sex	Age at 1 <sup>st</sup> coitus	Condom Use	Number of Sex Partners	Sexual Attitudes
	<p>mother-daughter general communication are negatively related to 'Ever Had Sex' in the bivariate and Intermediate Model (OR=.476* and OR=.617*)</p>				<p>conservative 'Sexual Attitudes' in bivariate analysis and the Model B.</p> <p>-High father-daughter connectedness is related to conservative 'Sexual Attitudes' (Beta=-.112**) in the Intermediate Model and marginally significant in the Full Model (Beta=-.0642++, p-052)</p> <p>-Perceived fathers disapproval of sex is related to conservative sexual Attitudes lost its significance after controlling.</p> <p>-Perceived mother disapproval of sex is related to conservative 'Sexual Attitudes' in the bivariate and Full Model (Beta=-.119**)</p>

	<b>Ever Had Sex</b>	<b>Age at 1<sup>st</sup> coitus</b>	<b>Condom Use</b>	<b>Number of Sex Partners</b>	<b>Sexual Attitudes</b>
Intimate Relationship (Having boy/girl friends, Dating, Holding, kissing, petting upper part and lower part)	<p>- Positive Correlation between Dating, Holding hands, Petting upper and lower part of the body and 'Ever Had Sex' that is not significant after controlling for other variables.</p> <p>-Kissing is positively related to 'Ever Had Sex' in both bivariate and multivariate analysis.</p> <p>-Having boy friends become significantly related to 'Ever Had sex' after controlling</p>	<p>- Kissing is related to early onset 'Age at First Sex' in the multivariate analysis (OR=1.371*)</p>	<p>-No relationship -Not included in the multivariate analysis</p>	<p>-No correlation -Not included in the multivariate analysis</p>	<p>-Having friends, dating, holding, kissing, petting upper and lower part of the body are related to liberal 'Sexual Attitudes' that is not significant after controlling.</p>
Partner's undesirable behavior	<p>-Positive Correlation between Partner's smoking and drinking and 'Ever Had sex' in the bivariate analysis and were not included in the multivariate analysis due to skipped pattern</p>	<p>- No relationship -Not included in the multivariate analysis</p>	<p>-No relationship -Not included in the multivariate analysis</p>	<p>-Not included in the bivariate analysis due to small number and in the multivariate.</p>	<p>-No correlation (Not included in the multivariate analysis)</p>

	<b>Ever Had Sex</b>	<b>Age at 1<sup>st</sup> coitus</b>	<b>Condom Use</b>	<b>Number of Sex Partners</b>	<b>Sexual Attitudes</b>
Peer influence to have steady friends, dating, having sex, indicating having sex	<p>-Positive correlation between peer influence dating, and indicating desire having sex and 'Ever Had Sex' in bivariate that lost their significance after controlling.</p> <p>-Positive Correlation between peer influence having sex and 'Ever Had Sex' in both bivariate and multivariate analyses.</p> <p>-Peer influence to have steady friends becomes negatively related to 'Ever Had Sex' after controlling.</p>	<p>-Peer influence encouraging having sex is related to early of 'Age at First Sex' in both bivariate and multivariate analyses (OR=1.778*)</p>	<p>-Positive correlation between peer influence having steady friends and condom use in bivariate analysis.</p>	<p>-No Correlation</p> <p>-Not included in the multivariate analysis</p>	<p>-Peer influence having sex is related to liberal 'Sexual Attitudes' (Beta=.112*) in both bivariate and multivariate.</p> <p>Peer influence to have steady friends, dating, and indicating desire sex are related to liberal 'Sexual Attitudes' that is not significant after controlling.</p>

Note: - Multivariate analysis of 'Condom Use' was done only for male, but not performed for females due to small sample.

- Partner's undesirable behavior was not included in the multivariate analysis due to skipped pattern (only respondents who have girl/boy friends were asked about their partner's behaviors)



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### Education

- 1980-1987 - Diploma of Pediatrics, Pediatric Institute in the Saint-Peter's Burg, Russia
- 1992-1993 - Training Certificate in Pediatric Ward in Chiangmai University, Thailand.
- 1995-1997 - Master of Tropical Health (Queensland, Australia)
- December, 1998 - Training on Research Methodology at the Faculty of Tropical Disease, Mahidol University
- June, 1999 - Training on Data Analysis at the Faculty of Tropical Disease, Mahidol University
- November, 1999 - Training on Report writing at the Faculty of Tropical Disease, Mahidol University
- 2/2001 - Training on Research methodology, organized by JICA
- 26/2-2/3, 2001 - Training Certificate on Management of Complex Humanitarian Emergency, Focus on Children and Families in Khon Kaen University
- 2001 - up to present- PhD Candidate in the CPH, Chulalongkorn University.

### **Professional History**

- 1987-1995 - Worked in the Pediatric ward as monitor of students
- 1997-2000 - Head of the Community Health Department
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  - Lecturer of epidemiology, basis statistic and research methodology, primary health care, hygiene and sanitation.
- 1998 to present - Public Health Consultant, Primary Health Care Consultant, Researcher in the area of Adolescent Reproductive Health.
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### **Publications:**

Sychareun V. Parent-youth Connectedness and youth's sexual attitudes and behaviors in Vientiane, Lao PDR. *Journal of Asia Pacific*, in press.

Sychareun V. Meeting the contraceptive need for unmarried young people: attitudes of formal and informal sectors providers in Vientiane Municipality, Lao PDR. *Reproductive Health Matters*, May, 1, 2004

Sychareun V, Phengsavanh A, Kityivoilaphanh B, Prabouasone K, Virijavejakul P. A study of anemia in pregnant women with *Plasmodium falciparum* at district hospitals in Vientiane, Lao PDR. *Southeast Asian J Trop Med Public Health*. 2000;31 Suppl 1:91-8. PMID: 11414468 [PubMed - indexed for MEDLINE]