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Sexual Activity Resumption and Contraceptive Use among Delivered Mothers in a Health Facility at Osogbo, Nigeria

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ABSTRACT

Aim: To determine the factors are enhancing resumption of sexual intercourse, contraceptive usage and barriers to timely uptake of family planning methods. Methodology: This cross-sectional study was conducted among 340 women at the infant welfare clinic of state specialist hospital, Osogbo, Nigeria from 3 to 16 weeks postpartum. Structured questionnaires were administered between March and May 2015 to ascertain their sociodemographic, obstetric features, sexual activity and contraceptive usage. Statistical analysis was performed using the SPSS version 16 software. Results: Vaginal sexual intercourse was resumed by 62.6% (213/340) of women with a mean time of 11.37 weeks ± 8.85 postpartum. More than one-third 37.6% (80/213) did so within puerperium and husbands in 78.4% (167/213) initiated sex. About fifty percent (107/213) were on modern contraceptives, but only 39.3% (42/107) were on contraception before their first postpartum sexual intercourse. Some of the reasons for contraceptive non-usage include, procrastination 25.3% (55/217), absence of menses 4.1% (9/217), don't like it 19.8% (43/217), husband not always around 6.9% (15/217), not yet resume sex 29.5% (64/217), fear of side effects 10.1% (22/217) and husband dislike 2.3% (5/217). Conclusion: There was highly rate of resumption of sexual intercourse early in postpartum with less attention on contraceptive usage. Some due to misconceptions surrounding fertility return. Sexual and contraceptive education after delivery is necessary for both mothers and their husbands.

Keywords: Sexual activity resumption, Puerperium, Contraceptive usage

INTRODUCTION

The delivery of a child following a tedious ante-partum and intra-partum experiences brings about variety of changes to the mother's health and well-being. These changes which include fatigue, depression and changes in sexual function could have adverse effects on them if not well managed after delivery [1-3]. This is usually a challenging period for mothers, during which they have to care for the newborn babies as well as cope with socio-cultural, physical and emotional changes [4]. In the past, custom of some traditional societies demanded that the husband and his wife should separate tentatively for a period of time after delivery. This act was solely aimed to prevent unwanted pregnancy at the moment [5].

It perhaps, involved enforcing the women to return to their kinsmen in some cases. Meanwhile, most studies show that interest in sexual activity often decreases throughout pregnancy; but, returns gradually to normal postpartum with an average range resumption of intercourse between 5th and 8th weeks after childbirth [6,7].

The post-partum period presents a rising risk in unwanted conception and often frustrated desire for contraceptive protection [8,9]. The risk has been shown to be greater among the first time mothers (Primipara) who do not know what to expect after their first delivery but rely solely on the advice as well as explanations from their female relatives, neighbors and friends [10].

Abstinence from sexual intercourse after childbirth until the child is fully weaned from breastfeeding is a deep rooted practice in different cultures and communities [11,12].

Also, in some cultures and religion settings, men are married to several wives while the women after childbirth were obliged to stay away from the husbands with the aim of offering them the opportunity to breast feed for as long as 2-3 years without sexual intercourse. Recent reports however, suggest that most women resumed sexual intercourse within 3-6 months after delivery which is a deviation from the taboo against sexual intercourse after birth [13,14]. This shift may not be unconnected to the introduction of modern contraceptive methods and monogamous marital settings leading to changes in the socio-cultural practice of the people.

Commencement of sexual intercourse after delivery undoubtedly increases the risk of unintended pregnancies. Hence, a sexually active woman at this period not using an effective contraceptive method increases her vulnerability to pregnancy in the month before her first menstruation. Unwanted pregnancy could lead to emotional and psychological disturbances for both the woman and or the family as a whole.

Pregnancy related health workers are likely to enlighten women on various types of reproductive services including the use of modern contraception. Report from a study reveal that prenatal care has a strong influence on subsequent use of modern contraceptive methods [15].

Other studies however, have shown that most women resume sexual intercourse within 6 months post-partum without the use of a modern contraceptive method in many countries despite the provision of information about contraceptive methods during antenatal and postnatal care [16,17].

Therefore, understanding the needs for reproductive health in postpartum women which includes proper perception of the relationship between resumption of menses and the use of a suitable contraception will help in creating awareness about the risk of pregnancy *vis-à-vis* amenorrhea in the postpartum period as well as the removal of the provider barriers to the initiation of family planning.

Studies suggest that providers do not systematically communicate information about postpartum pregnancy risk to clients. Some providers rely on direct observation of menses to rule out pregnancy, and thus denying non-menstruating women a form of contraceptive method [18]. This study was designed to establish the current sexual practices, time taken to resume sexual activity and prevalence of modern contraceptive usage among delivered mothers in our environment.

MATERIALS AND METHODS

Methodology

This study was a cross-sectional carried out at state specialist hospital, Asubiaro, Osogbo, Nigeria. Consented participants were recruited from the infant welfare clinic of the hospital where delivered mothers up to six weeks and above came to access immunization facilities for their children. The sample size was calculated based on the known prevalence rate of return to sexual intercourse after delivery which had been estimated to be 67.7%. The minimum number of subjects required for this study was 333. However, to account for non-response, 10% of the sample size was added. Hence a total of 366 postpartum mothers were recruited. Eligible women were consecutively recruited for the study after obtaining a written or verbal consent. The questionnaires were self-administered by the literate's mothers and the illiterate's participants were interviewed by doctors and nurses who had been well informed about the study to extract the required information [19].

Data for this study was collected with the use of a structured questionnaire. The interview was carried out in English language and interpreted into Yoruba language as need be. The structured questionnaire consisted of 3 sections *viz;* (i) Socio-demographic data (ii) Obstetrics and Reproductive data and (iii) Sexual, Gynaecological and Contraceptive history. The questionnaire was pre-tested and validated at the designated clinic before being administered. This was done over a period of 2 month.

Ethical clearance was obtained from the Ethics and Research Committee of the State Specialist Hospital (ERCSSH), hospitals' management board, Asubiaro, Osogbo, Nigeria. During the course of data collection, individuals were informed about the purpose of the study, confidentiality, and the right not to participate or withdraw at any time without any effect on their health or other services. Eligible women who consented to participate were recruited into the study.

RESULTS

The response rate for the questionnaires was 92.9% (340/366) while 7.1% (16/366) withdrew from completing the questionnaires. They were from 3 ethnic groups comprising mainly of Yoruba 95% (323/340), 3.8% (13/340) were Igbo and 1.2% (4/340) were Hausa. Forty six percent (159/340) of them were into business (mostly traders), 17.4% (59/340) were civil servants. Muslims were 55.6% (188/340) and 44.1% (150/340) are Christians. Most of the mothers 92.6% (315/340) had at least secondary level of education and majority 97.1% (330/340) is married. Table 1 shows the socio-demographic features of the respondents.

Table 1 shows the obstetrics and reproductive features of the mothers which reveal that 33.8% (115/340) had their first deliveries and most of them 51.5% (175/340) were of parity 2-3. Also 40.6% (138/340) of them have resumed menstruation after delivery with a mean time of 18.15 ± 14.32 weeks. Majority of the respondents 83.8% (285/340) delivered vaginally, 15.9% (45/285) of them had episiotomies and 3.2% (9/285) had vaginal laceration. Most of the episiotomies and vaginal lacerations 83.3% (45/54) healed well while the remaining developed chronic pain and infection.

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Variables	Frequency (N=340)	Percentage (%)
Age (in yrs.)		
15-19	7	2.1
20-24	48	14.1
25-29	110	32.4
30-34	121	35.6
35-39	46	13.5

Table 1 Socio-demographic characteristics of respondents

40-44	8	2.4
Marital status		
Married	8	2.4
Not married	1	0.3
Cohabiting	1	0.3
Educational status		
Primary	25	7.4
Secondary	150	44.1
Tertiary	165	48.5
Religion		
Christianity	150	44.1
Islam	188	55.3
Others	2	0.6
Occupation		
Business	159	46.8
Civil servant	59	17.4
House wife	22	6.5
Student	32	9.4
Artisan	54	15.8
Others	14	4.1
Ethnicity		
Yoruba	323	95
Ibo	13	3.8
Hausa	4	1.2
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Furthermore, 62.6% (213/340) of mothers had commenced sexual intercourse with a median time to resumption of coitus after delivery of 8.0 weeks and a mean of 11.37 ± 8.85 weeks. Eighty (37.6%) of them commenced sexual intercourse within the puerperium (first six week post-delivery) and eight (3.8%) of them started as early as a week after delivery. About 78.4% (167/213) of the mothers resumed sexual intercourse based on husband's request and 18.3% (39/213) feels it is time for them to resume sexual intercourse. Other reasons for commencement of sexual intercourse include, self-initiated in 0.93% (2/213). Almost all 99.4% (166/167) of women who gave husband requests as reason for commencement of sexual intercourse would not have started at that time. The reasons given for not commencing sexual intercourse include, to prevent pregnancy 45.7% (58/127), to restore health 26.8% (34), lack of interest 22% (28/127) and presently staying with parents 5.5% (7/127).

The general prevalence of contraceptive usage among the respondents after delivery was 34.3%. Among those that have resumed sexual intercourse. More than half (116/213) of them were using a form of contraceptive method but only 50.2% (107/213) were using modern methods contraception which includes, male condoms 60.8% (65/107), injectable 16.8% (18/107), pills 13.2% (14/107), intra-uterine contraceptive device 6.5% (7/107) and sub-dermal implants 2.8% (3/107) while 7.8% (9 116) were using coitus interrupts. Out of the mothers using modem contraception methods only about 39.3% (42/107) had started the use before their first sexual intercourse after delivery and the remaining 60.7% (65/107) commenced contraception after sex. The husbands 34.6% (37/107) made the decisions for their wives to start, 32.7% (35/107) was self-initiated and 32.7% (35/107) were couples joint decision to commence contraception. This implies involvement of the women in about 65.4% (70/107) in decision making to commence modern contraception.

The reasons given for not commencing modern methods of contraception in this study include, none resumption of sex 29.5% (64/217), dislike for modern contraception 19.8% (43/217), to be done later 25.3% (55/217), fear of side effect 10.1% (22/217). This study also showed that 38.3% (85/222) of mothers who has had at least a previous delivery before this index pregnancy uses modern methods of contraception with male condom 34.1% (29/85), injectable 23.5% (20/85), intra-uterine contraceptive device 18.8% (16/85), pills 20% (17/85) and sub-dermal implants 3.5% (3/85).

Furthermore, 49.1% (167/340) of respondents' beliefs a woman can get pregnant before resumption of menstruation if there is unprotected sexual intercourse after delivery, while 26.8% (91/340) disagreed and the remaining 24.1% (82/340) does not know. However, 76.1% (162/213) of mothers who has commenced sexual intercourse has not resumed their menstruation while 23.9% (51/213) has resumed their menstruation while remaining half has resumed their menstruation.

About ninety seven percent (331/340) of women are aware of exclusive breastfeeding but only 85.9% (292/340) of them are practicing it. Furthermore, only 41.4% (140/340) beliefs a woman can get pregnant despite practicing exclusive breastfeeding, 18.5% (63/340) does not agree conception is possible while 40.3% (137/340) were not sure.

Table 2 shows association between socio-demographic characteristics and pregnancy before resumption of menstruation after delivery. Maternal age (p=0.001), educational status (p=0.001), occupation (p=0.001) and religion (p=0.015) were significantly associated with believe of likelihood of pregnancy occurrence before the onset of menstruation after delivery.

Table 2 Obstetric and reproductive features of respondents

Variables	Frequency (N=340)	Percentage (%)
Parity		
1	115	33.8
02-Mar	175	51.4
4 - ≥ 5	50	14.8
Mode of delivery		
Vaginal	285	83.8
Caesarean section	55	16.2
Genital injury during last delivery		
Nil	231	81
Episiotomy	45	15.8
Vaginal laceration	9	3.2
Postpartum menstruation (weeks)		

≤5	14	10.1
06-Oct	35	25.4
Nov-13	19	13.8
≥14	70	50.7

Table 3 shows relationship between socio-demographic characteristics and exclusive breastfeeding. Here maternal age (p=0.560), religion (p=0.179) was not significantly associated with practice of exclusive breastfeeding, whereas educational status (p=0.001) and occupation (p=0.008) are highly significant with likelihood to have positive impact on the practice.

Table 3 Association between socio-demographic characteristics and pregnancy before resumption of menstruation

Variables	Pregnancy l	before resumpti	on ofmenstruatio	\mathbf{X}^2	Df	p value	
	Yes	No	Don't know	Total			
Age (in years)							
15-19	1(0.6)	2 (2.2)	4 (4.9)	7(2.1)			
20-24	20(12.0)	15 (16.5)	13 (15.9)	48 (14.1)	33.2	10	0.001*
25-29	61 (36.5)	25 (27.5)	24 (29.3)	110(32.4)			
30-34	48 (28.7)	40 (44.0)	33 (40.2)	121 (35.6)			
35-39	35 (21.0)	8 (8!8)	3 (3.7)	46(13.5)			
40-44	2(1.2)	1(1.1)	5(6.1)	8 (2.4)			
Religion							
Islam	91 (54.5)	61 (67.0)	36(43.9)	188 (55.3)	12.3	4	0.015*
Christianity	74 (44.3)	30 (33.0)	46 (56.1)	150 (44.1)			
Others	2(1.2)	0 (0.0)	0 (0.0)	2 (0.6)			
Educational status							
Primary	15 (9.0)	4 (4.4)	6 (7.3)	25 (7.4)			
Secondary	59 (35.3)	59 (64.8)	32 (39.0)	150 (44.1)	22.1	4	0.001*
Tertiary	93 (55.7)	28 (30.8)	44 (53.7)	165 (48.5)			
Occupation							
Business	81 (48.5)	41 (45.1)	37 (45.1)	159 (46.8)			
Civil servant	36(21.6)	12(13.2)	11 (13.4)	59(17.4)			
Housewife	17(10.2)	2 (2.2)	3 (3.7)	22 (6.5)	40.6	10	0.001*

Student	16(9.6)	4 (4.4)	12 (14.6)	32 (9.4)		
Artisan	10(6.0)	27 (29.7)	17 (20.7)	54 (15.9)		
Others	7 (4.2)	5 (5.5)	2 (2.4)	14 (4.1)		
*Statistically significant						

The result shows that mother's marital status (p=0.286) and occupation (p=0.468) were not statistically significant. Hence these socio-demographic factors does not necessarily have likelihood with return of sexual activity after delivery (Table 4).

Table 4 However shows that these two socio-demographic factors of marital status and occupation with (p=0.008) and (p=0.028) respectively were highly significant with increased positive likelihood to affect the factors influencing resumption of sexual intercourse by mothers post-delivery

Variables	Exclusive breastfeeding prevent			pregnancy	X ²	Df	p value
	Yes	No	Don't know	Total			
Age (in years)							
15-19	2 (1.4)	2 (3.2)	3 (2.2)	7 (2.1)			
20-24	16 (11.4)	9 (14.3)	23 (16.8)	48 (14.1)			
25-29	43 (30.7)	22 (34.9)	45 (32.8)	110 (32.4)	8.71	10	0.56
30-34	55 (39.3)	19 (30.2)	47 (34.3)	121 (35.6)			
35-39	23 (16.4)	9 (14.3)	14 (10.2)	46 (13.5)			
40-44	1 (0.7)	2 (3.2)	5 (3.6)	8 (2.4)			
Religion							
Islam	72 (51.4)	40 (63.5)	76 (55.5)	188 (55.3)			
Christianity	68 (48.6)	23 (36.5)	59 (43.1)	150 (44.1)	6.28	4	0.179
Others	0 (0.0)	0 (0.0)	2 (1.5)	2 (0.6)			
Educational status							
Primary	15 (9.0)	4 (4.4)	6 (7.3)	25 (7.4)			
Secondary	59 (35.3)	59 (64.8)	32 (39.0)	150 (44.1)	22.11	4	0.001*
Tertiary	93 (55.7)	28 (30.8)	44 (53.7)	165 (48.5)			
Occupation							
Business	55 (39.3)	38 (60.3)	66 (48.2)	159 (46.8)			
Civil servant	23 (16.4)	9 (14.3)	27 (19.7)	59 (17.4)			
Housewife	12 (8.6)	0 (0.0)	10 (7.3)	22 (6.5)	23.94	10	0.008*

Student	17(12.1)	4 (6.3)	11 (8.0)	32 (9.4)		
Artisan	25 (17.9)	12 (19.0)	17(12.4)	54 (15.9)		
Others	8 (5.7)	0 (0.0)	6 (4.4)	14(4.1)		

DISCUSSION

This study showed that 62.6% of mothers had resumed sexual intercourse with a mean time of 11.37 ± 8.85 weeks. This rate is comparable with 65% and 66.6% reported from Sagamu in Nigeria and Kampala in Uganda [13]. This is also similar to the rate of 67.6% found in Jos Nigeria. However, these values were higher than what was obtained in a similar study conducted in Ghana and Germany where the rates of 23.8% and 47% respectively was reported [16].

Considering these rate differences in the postpartum sexual intercourse resumption, it may not be unconnected to diverse cultural, religious practices and most especially sexual attitudes peculiar to these regions. The relatively high rate of early commencement of sexual intercourse in this study may not be unconnected with the fact that some of the traditions which encourage postpartum abstinence after delivery is gradually going into extinction, and turning to mere history rather than being a practiced [11]. Furthermore, the changing culture and views to sexual practices which could have had a religious undertone cannot be overlooked. For example, the influence of Christianity which forbids polygamy.

Respondents who have resumed sexual intercourse postpartum gave various reasons while they resumed. Majority of them (78.4%) was due to husband's request. This very finding (husband's request) was comparable with 77.4% found from a similar study in Jos. The same was also noted as the commonest reason in other African settings like Uganda and Cote d'Ivoire. The high percentage of husband factor may be due to the fact that women fear that their partners would seek sexual activity elsewhere if they delay sexual relationship for too long considering the fact that most of them might not be very sexually active during the period of pregnancy.

Also, in this study nearly all of the respondents (99.4%) who resumed sex post-delivery due to husband requests would not have started at that time but has to agree in other to satisfy their husband. On the contrary 0.94% (2/213) of the women initiated sexual activity by them, which is in contrast to the traditional practice of postpartum sexual abstinence by couples until the child is fully weaned from breast milk [1]. This observation is however very low compared with 14.8% of women who initiated sex in another study. This shows that no matter how small the percentage might be, women may also desire sex and they should not be denied. Loss of sexual desire accounted for 22% of failure to resume sexual intercourse in some respondents which was different from 11.9% obtained in a similar study [20].

Despite this sexual exposure postpartum, about half of them (50.2%) were using modern methods of contraception of which male condom accounted for about two-third (60.8%). This finding is contrary to what was obtained in another study where a low prevalence 19.9% was obtained. Low prevalence for contraceptive usage was also documented in Lusaka, Zambia. Also of interest to note is the fact that out of the mothers using modern contraceptive only about one-third (39.3%) have started before the first sexual intercourse postpartum others started after commencing sex. This eventually supports low contraceptive usage as in other studies. The other two-third (60.7%) that started after sex were likely to be after thought which might have been done due to fear of unintended pregnancy. This thought might further be supported in that 38.3% of women in this study were using contraception before index pregnancy. In this study also educational level predicts contraceptive knowledge but this does not reflect in contraceptive usage. This observation in keeping with finding from another study.

The role of men in the use of modern contraception is encouraging and commendable as seen in this study as about one-third (34.6%) of them made the decision to start contraception, another one-third (32.7%) was self-initiated by the mothers and the last one-third was a collective decision by the couple. This collectively shows about two-third input of delivered mothers in starting contraception postpartum. Despite the benefits contraceptive usage offers, respondents not using them have their reasons some of which include, none resumption of sex in more than one-fourth (29.5%), another 10.1% due to fear of side effects. These same findings are similar to documented finding in another study where 25.2% and 12% values respectively were found. Husband not always around (25%) is another important factor which cannot be overlooked. This does not put the woman under any pressure for early

contraceptive use. Other reasons given were dislike for contraception in less than one-fourth (19.8%), another one-fourth (25.3%) said it will be done when they are ready.

Regarding the perceptions held by delivered mothers about fertility return which is linked to return of menstruation, about half (49.1%) of the responders were of the opinion that a woman can get pregnant if her menstruation has not returned postpartum if exposed to unprotected sexual intercourse, whereas about one-quarter (26.8%) had a contrary opinion while another quarter (24.1%) does not know the answer to the question. These perceptions or misconception was one of the major points of discussion at the Global online Discussion Forum on fertility return and pregnancy risk after delivery [18].

CONCLUSION

Finally, from the analysis of this study, maternal age (p=0.001), mode of delivery (p=0.002) and onset of menstruation (p=0.001) were statistically associated with early resumption of postpartum sexual activity. This agrees with findings from other studies. This is contrary to another study finding where maternal age, mode of delivery and onset of menstruation are not significantly associated with early resumption of postpartum sexual activity. However, other socio-demographic characteristics like parity (p=0.444), educational status (p=0.251), history of genital injury (p=0.263) and exclusive breastfeeding (p=0.449) were not significantly associated with early resumption of postpartum sexual activity. This forgoing finding now agrees with study but in contrary to other studies.

The above findings therefore suggests that early commencement of sexual intercourse is common to all women in our setting irrespective of different socio-demographics and obstetric characteristics probably as a result of the influence of modern way of life and demand for sex by their husbands, which might have been promoted by the monogamous setting of most families. It is therefore recommending that discussion with couples about postpartum sexuality and contraception should be part of routine antenatal and immediate postpartum care in order to prevent unplanned pregnancies and improve their health seeking behavior.

REFERENCES

- [1] Thompson JF, et al. Prevalence and persistence of health problems after childbirth: Associations with parity and method of birth. *Birth*, Vol. 29, No. 2, 2002, pp. 83-94.
- [2] Lamont J. Female sexual health consensus clinical guidelines. *Journal of obstetrics and gynaecology Canada*, vol. 34, No. 8, 2012, pp.769-75.
- [3] Handa VL. Sexual function and childbirth. Seminars in perinatology, Vol. 30, No. 30, 2006, pp. 253-256.
- [4] Salway S, and Nurani S. Uptake of contraception during postpartum amenorrhea: understandings and preferences of poor, urban women in Bangladesh. *Social Science and Medicine*, Vol. 47, No. 7, 1998, pp. 899-909.
- [5] Palamuleni ME. Estimates of Fertility for South Africa based on Rele method 1996-2011. *Journal of Human Ecology*, Vol.43, No.3, 2013, pp.257-265.
- [6] Byrd JE, et al. Sexuality during pregnancy and the year postpartum. *Journal of Family Practice*, Vol. 47, No.47, 1998, pp.305-308.
- [7] Signorello LB, et al. Postpartum sexual functioning and its relationship to perineal trauma: A retrospective cohort study of primiparous women. *American Journal of Obstetrics and Gynecology*, Vol.184, No. 5, 2001, pp. 881-890.
- [8] Ross AJ, and Winfrey WL. Contraceptive use, intention to use and unmet need during the extended postpartum period. *International Family Planning Perspective*, Vol. 27, No. 1, 2001, pp. 20-27.
- [9] Depineres T, Blumenthal PD and Diener-West M. Postpartum contraception: the New Mexico pregnancy risk assessment monitoring system. *Contraception*, Vol.72, No.6, 2005, pp. 422-425.
- [10] Grudzinskas JG and Atkinson L. Sexual function during the puerperium. *Archives of Sexual Behavior*, Vol.13, No. 1, 1984, pp. 85-91.
- [11] Dada OA, et al. Infant feeding and lactational amenorrhea in Sagamu, Nigeria. *African Journal of Reproductive Health*, Vol. 6, No. 2, 2002, pp. 39-50.
- [12] Sule-Odu AO, et al. Postpartum sexual abstinence and breastfeeding pattern in Sagamu, Nigeria. *African journal of reproductive health*, Vol. 12, No. 1, 2008, pp. 96-100.

- [13] Abdool Z, Thakar R and Sultan AH. Postpartum female sexual function. *European Journal of Obstetrics and Gynecology and Reproductive Biology*, Vol. 145, No. 2, 2009, pp. 133-137.
- [14] Zerai A, and Tsui AO. The relationship between prenatal care and subsequent modern contraceptive use in Bolivia, Egypt and Thailand. *African Journal Of Reproductive Health*, Vol. 5, No. 2, 2001, pp. 68-82.
- [15] Borda MR, Winfrey W and McKaig C. Return to sexual activity and modern family planning use in the extended postpartum period: An analysis of findings from seventeen countries. *African Journal of Reproductive Health*, Vol.14, No. 4, 2010, pp.72-79.
- [16] Nyengidiki KT and Eyindah CE. Contraceptive prevalence amongst women attending infant welfare clinic at the university of Port Harcourt teaching hospital. *Port Harcourt Medical Journal*, Vol. 3,No. 1, 2008, pp. 42-48.
- [17] Huang YM, et al. Postpartum unintended pregnancy and contraception practice among rural-to-urban migrant women in Shanghai. *Contraception*, Vol. 86, No. 6, 2012, pp. 731-738.
- [18] Demyttenaere K, Gheldof K and Van-Assche FA. Sexuality in the postpartum period: a review. *Current Obstetrics Science Gynecology*, Vol. 5, 1995, pp. 81-84.
- [19] Magadi M, Madise N, and Diamond I. Factors associated with unfavorable birth outcomes in Kenya. *Journal of Biosocial Science*, Vol. 33 No. 2, 2001, pp. 199-225.
- [20] Conde-Agudelo A and Belizan JM. Maternal morbidity and mortality associated with interpregnancy interval: Cross sectional study. *BMJ*, Vol. 321, No. 7271, 2000, pp. 1255-1259.

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