



Figure (8): show the distribution of participant according to tattoo procedure (n=384)

Table (5): show the distribution of participant according to test of HIV result

(n=384)

Variables	Descriptions	Number	Percentage
Result for test of HIV	Positive	7	1.8%
	Negative	377	98.2%
Total		384	100%

The table showed that majority of participant were negative result for test of HIV (98.2%) and the positive results were (1.8%).

Table (6): show association between HIV result and other variables ( dental procedure , tattoo , material status , educational level , age group ) (p= significant < 0.05)

p-value (sig)	Variables
0.094	Dental procedure
0.00	Tattoo
0.20	Material status
0.00	Educational level (secondary)
0.803	Age group

## 5.1 DISCUSSION:

The study conclude prevalence of HIV among pregnant women 1.8%, the common educational level among participant is secondary school represented 36.2% after that primary school represented 29.9%, the illiterate represented 10.7% and least group of educational level was Khalwah represented 2.1%. The common occupational in participant was house wife represents 91.4% and the income level is vary from moderate 67.4% to low income 31.5%. The majority of participant don't do tattoo procedure (96.9%), but (3.1%) were do the tattoo procedure.

The seroprevalence of HIV in this study were 1.8% because of lack of perception in secondary educational level and those who took tattoo while another study done in Nigeria by okerentugba PO, Uchendu SC, Okonko IO conduct study on prevalence of HIV among pregnant women in Rumubiakan, Port Harcourt, the prevalence rate were 3% we found similar result due to similar relational and similar cultural<sup>(13)</sup>.

Another study conduct In India , Dr Ajit Kumar Nayak and etal detected prevalence of HIV infection among pregnant women attending antenatal clinic in a tertiary care hospital and positive seroprevalence rate were 0, 5%, this result associated with socioeconomic states ant traditional social ills and cultural myths on sexuality<sup>(11)</sup>.

Another study conduct in Tanzania Habib and etal conduct study detected Maternal HIV status and pregnant outcomes in northeastern Tanzania and the seroprevalence of HIV were 7,4% , this result associated with the low maternal education and unknown HIV status<sup>(12)</sup>.

Another study conduct in Kenya Janet m. turan and etal detected study of HIV and antenatal care integration in pregnancy and this study found the seroprevalence of

HIV were 6% and this result associated with the pregnant women may be married or single because the different of the religion and culture<sup>(15)</sup>.

A previous study in central Sudan showed that the prevalence rate of HIV in 2006 among pregnant women was 1% while this study found the prevalence rate is 1,8 % due to time variation<sup>(14)</sup>.

## 5.2 Conclusion:

The study include that prevalence of HIV among pregnant women in river Nile State were low among those under growing test of HIV as routine investigation even normal delivery and cesarean section according our risk factor of HIV based on our analysis significant between tattoo and level of education .

### 5.3 RECOMMENDATIONS:-

By the manager of hospital:

- To enhance Health system to provide service about HIV screening in antenatal clinic.
- To enhance high activation of HIV programs that prevent from mother to child transmission.
- To enhance essential health education to prevent harmful traditional like tattoo.
- To enhance school health to conduct asset about health student including prevention of unhealthy behavior.
- To enhance farther research in that area to assess behavior which we did not address.

## Chapter Six

## REFERENCES:

- 1- Egesie (UG) Mbooh RJ. Sero -prevalence of human-immunodeficiency virus (HIV) infection in pregnant women in am soma
- 2- Zambia Demographic and health survey 2001-2002 central statistical office (Zambia) CBHZORCM, ed ... Lusaka and Maryland Central Board of Health and ORC Macro: 2003.
- 3- Monica cheesbrough, District laboratory practice in tropical countries, New York, Print format, 2006 ,254 -255.
- 4- <http://www.int\mediacenter\factsheets\fs204\en>
- 5- Robertson DL, Hahn BH, Sharp PM, (March 1995) recombination in AIDS viruses' .J. Evol . 40 (3): 249-59.
- 6- <http://sae.edu.orgcreativemediaeducation>
- 8- <http://cn.wikipedia.org/wiki/prevalenceofHIV.HBVandHCV>
- 9- <http://en.m.wikipaedia.org>wiki>web>
- 10- Mary.L, Robert H .and etal .trends in prenatal transmission of HIV/AIDS in the United States JAMA .1999-Vol 282, No .6.
- 11- Dr.Ajit.K, and etal. A Study on HIV infection among pregnant women attending antenatal clinic in a tertiary care hospital, Cuttack, India, MAY 2017/Vol 4 /Issue 5.
- 12- Habib and etal. Maternal HIV status and pregnancy outcomes in northern Tanzania, RCOG 2008 BJOG An International Journal of Obstetrics and Gynecology.

13-OKerentugba PO, and etal. Prevalence of HIV among pregnant women in Rumubiakan, Port Harcourt, Nigeria, Published online at [http://journal. sapub. Org/phr](http://journal.sapub.Org/phr).

14-Dar,Elgalal A. Gassmelseed, and etal. Prevalence of HIV infection among pregnant women of the central Sudan, 21 June 2006.

15-Janet M.Turan, and etal .the study of HIV and antenatal care integration in pregnancy in Kenya , September 2012 1 volume 71 issue 9 1 e 44181 .

# Appendix



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

## Prevalence of HIV in pregnant women in hospital in Nile State in 2018:

### 1-Age:

- A-Illiterate:       b-Primary:   
C-Secondary:       d-Graduate:       E-Khalwah

### 3-Occupation:

- A-Housewife:       B-Student:   
C-Worker:   
D-Employee:

### 4-Economic Status:

- A-Low:       B-Moderate:   
C-Second rate

### 5-Residence:

### 6-Tribe:

### 7-Religion:

- A-Muslims :       B-Christians :

### 8-Married Status:

- A-Married :       B-Divorced :   
C-Widow :

### 9-Gravidity:

- A-primary :       B-Gravida two       C- more than 2:

10-Parity:

A-one :

B-two

C-more than two

12-Dental Procedures:

A-Yes

B-No:

13-Tattoo procedure:

A-Yes :

B-No:

14-Previous Test of HIV:

A-Yes :

B-No:

15-HIV Status:

A-HIV :

B-HIV+:



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

## Prevalence of HIV among pregnant women in Hospital in River Nile State in 2018

<input type="checkbox"/>	أساس -	<input type="checkbox"/>	خلوة -	<input type="checkbox"/>	1-العمر:
<input type="checkbox"/>	فوق الجامعي -	<input type="checkbox"/>	جامعي -	<input type="checkbox"/>	2- المستوى التعليمي:
<input type="checkbox"/>	موظفة -	<input type="checkbox"/>	ربة منزل -	<input type="checkbox"/>	-غير متعلمه
<input type="checkbox"/>	دون الوسط -	<input type="checkbox"/>	وسط -	<input type="checkbox"/>	- ثانوي
<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	3- المهنة:
<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	- طالبة
<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	- عاملة
<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	4- مستوى الدخل:
<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	- ميسور
<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	5- العنوان:
<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	6- القبيلة:
<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	7- الديانة:
<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	- مسلمه
<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	8- الحالة الاجتماعية:
<input type="checkbox"/>	ارمله -	<input type="checkbox"/>	مطلقه -	<input type="checkbox"/>	- متزوجه
<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	9- عدد مرات الحمل:
<input type="checkbox"/>	لاكثر من مرتان -	<input type="checkbox"/>	حمل لثاني مره -	<input type="checkbox"/>	- حمل لاول مره

10- عدد الولادات

- واحد

- اثنان

- اكثر من اثنان

11- فصيله الدم:

12- هل قمت باجراء عمليه اسنان:

- نعم

- لا

13- هل قمت بعمل تاتو:

- نعم

- لا

14- هل قمت بفحص الايدز سابقا:

- نعم

- لا

15- نتيجه فحص الايدز:

- ايجابيه

- سلبيه

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

RIVER NILE STATE  
MINISTRY OF HEALTH  
Atbara Teaching Hospital



ولاية نهر النيل  
وزارة الصحة والسكان  
مستشفى عطبرة التعليمي

التمرة: ٢/١٢/٢٠١٨

التاريخ: ١١ / ٣ / ٢٠١٨ م

السيد / راضي قسوم التمرريض

كلية العلوم الصحية بجامعة الشيخ عبد الله البدري

السلام عليكم ورحمة الله وبركاته

الموضوع / اعداد بحث تخرج

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ولكم جزيل الشكر :::: ::::

