

Keywords: Hepatitis B virus; Pregnant women; Seroprevalence; Rwanda and Uganda, HBV among HIV positive pregnant women were shown to be 2.4% and 4.2%, respectively [9-11].

Background

Viral hepatitis type B is a common, ~~se~~disease caused by ~~Sub-Saharan Africa and the Americas~~ ~~and the African and Asian blood-borne viruses~~ ~~and a history~~ ~~of HBV infection in family members, history of tattooing, previous surgical procedures including dilatation and curettage for miscarriage were significant risk factors for HBV infection [12]. In 2006, Obi et al. in Nigeria found that increasing parity, higher number of sexual partners, polygamy and history of previous STIs were positively associated with HBV in pregnancy [13]. Tattooing/scari cation, history of jaundice or contact with a patient with jaundice, contact with blood products or history of blood transfusion were not found to be predisposing factors.~~ Five years later, in the same region, Eke et al. demonstrated a strong correlation between HBsAg positivity in pregnancy with tribal marks/

8%. In low endemic regions, like the United States, Northern Europe, Australia and parts of South America, HBsAg prevalence is less than 2% [3]. In Middle East, some Eastern European countries and the Mediterranean basin are considered areas of intermediate endemicity with a carrier rate between 2% and 8% [3]. Globally, perinatal HBV transmission accounts for an estimated 21% of HBV-related deaths, while regionally it ranges from 13% in the Eastern Mediterranean region to 26% in the Western Pacific region [5].

The prevalence of HBV among pregnant women in sub-Saharan Africa is moderate to high. In Nigeria, according to Mbamara and Ombiechina, the prevalence of HBV among pregnant women was 2.2% [6]. However, in Mali it was found to be 8% [7] and in Ghana among pregnant women during delivery it was demonstrated at 16% [8]. In

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Discussion

To our knowledge this is among the first Hepatitis B prevalence

e prevalence of this infection among healthcare workers, a high risk group for acquiring blood borne infections following occupational exposure to infectious body fluids, depends upon HBV prevalence in the general population. It has been previously demonstrated that in high endemicity areas, transmission of HBV to health care workers (HCWs) is of great public health concern [39-41]. Similarly in India, an intermediate endemic zone where the estimated prevalence rate of HBV in the healthy general population is around 4.7% and 5% HBsAg positivity among other HCWs, but alarmingly high seropositivity of around 40% among laboratory technicians [39]. With lack of universal pre-natal HBsAg screening in Rwanda, the health care workers especially the delivery and laboratory staff is also at increased risk of percutaneous infection.

e other factor independently associated with HBsAg in this study was history of birth HBsAg i.1 (den)19 (t)-6 (l)7 (y a)3 (s)5 (s)-8 (o)7ay of

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