

Human papillomavirus (HPV) infections among female sex workers in Cote d'Ivoire

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HPV is that the name of common group of viruses. They do not cause any problems in most of the people, but some types can cause genital warts or cancer. Human papillomavirus (HPV) may be a virus infection that's spread between people through skin-to-skin contact. There are over 100 sorts of HPV, quite 40 of which are skilled sexual contact and may affect your genitals, mouth, or throat. HPV infection may be a virus infection that commonly causes skin or mucosa growths (warts). There are quite 100 sorts of human papillomavirus (HPV). Some sorts of HPV infection cause warts, and a few can cause differing types of cancer. Most HPV infections don't cause cancer. But some sorts of genital HPV can cause cancer of the lower a part of the uterus that connects to the vagina (cervix). Other sorts of cancers, including cancers of the anus, penis, vagina, vulva and back of the throat (oropharyngeal), are linked to HPV infection.

The virus that causes HPV infection is transmitted through skin-to-skin contact. most of the people get a genital HPV infection through direct sexual contact, including vaginal, anal, and head. Because HPV may be a skin-to-skin infection, intercourse isn't required for transmission to occur. many of us have HPV and don't even realize it, which suggests you'll still contract it albeit your partner doesn't have any symptoms. It's also possible to possess multiple sorts of HPV.

Long-lasting infections with high-risk HPVs can cause cancer in parts of the body where HPV infects cells, like within the cervix, oropharynx (the a part of the throat at the rear of the mouth, including the taste bud , the bottom of the tongue, and therefore the tonsils), anus, rectum, penis, vagina, and vulva. HPV infects the squamous cells that line the inner surfaces of those organs. For this reason, most HPV-related cancers are a kind of cancer called epithelial cell carcinoma. Some cervical cancers come from HPV infection of gland cells within the cervix and are called adenocarcinomas.

Human Papillomaviruses (HPV) are small virus non-enveloped double-stranded circular DNA. They infect epithelial cells. Many studies have indicated that having multiple sexual partners may cause higher HPV transmission. Thus, female sex workers (FSWs) could also

be at greater risk of infection. In female sex workers (FSWs), the danger of HPV infection and cervical cancer is particularly high. The aim of this work is to work out the prevalence and therefore the genotypes of HPV that circulate in female sex workers populations in Cote d'Ivoire. From Dec' 2015 to May' 2016, cervical samples from 350 female sex workers were tested for a few HR-HPV. HPV DNA was amplified using PGMY09/11 primers which generated 450 base pairs at the L1 region. The samples harboring HPV DNA were genotyped using the multiplex PCR with HPV 16, 18, 31, 33, 35, 45 and 51 primers. The mean age of this population was 32.5 years. On 350 female sex workers, HPV DNA was obtained in 51.5% of the population. a complete of 168 (94.38%) specimens harboring HPV DNA were genotypes using multiplex PCR versus 5.61%, which weren't genotyped using HPV 16,18, 31, 33, 35, 45 and 51 by multiplex PCR. These 168 strains permit to spot 204 strains of HPV on whom 88.69% with single infection while 11.30% with a multiple infection. Among multiple infections, 36.84% had respectively double and triple HPV infection and 26.31 available four HPV infections. HPV genotypes prevalence was HPV16 (22.47%), HPV18 (26.97%), HPV35 (11.23%), HPV31 and HPV33 (7.86%) respectively and HPV45 (7.30%). Any case of HPV genotype 51 was founded. The prevalence of HPV infection in female sex workers is high. the foremost genotypes which circulate in female sex workers are type 16 and sort 18.