Epidemiological overview of HIV/AIDS in pregnant women from a state of northeastern Brazil

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ABSTRACT

Objective: To learn the epidemiological characteristics of HIV infection in pregnant women. Method: Descriptive study with quantitative approach. The study population was composed of pregnant women with HIV/AIDS residing in the state of Alagoas. Data were organized into variables and analyzed according to the measures of dispersion parameter relevant to the arithmetic mean and standard deviation (X ± S). Results: Between 2007 and 2015, 773 cases of HIV/AIDS were recorded in pregnant women in Alagoas. The studied variables identified that most of these pregnant women were young, had low levels of education and faced socioeconomic vulnerability. Conclusion: It is necessary to include actions aimed at increasing the attention paid to women, once the assurance of full care and early diagnosis of HIV are important strategies to promote adequate treatment adherence and reduce the vertical transmission.

Descriptors: Pregnant Women; HIV Seropositivity; Epidemiology; Attention to Health; Nursing.

RESUMO

Objetivo: Conhecer as características epidemiológicas da infecção pelo HIV em gestantes. Método: Estudo descritivo com abordagem quantitativa. A população estudada foi composta por gestantes com HIV/aids residentes no estado de Alagoas. Os dados foram organizados em variáveis e analisados segundo o parâmetro de medidas de dispersão pertinentes à média aritmética e ao desvio padrão (X ± S). Resultados: No período de 2007 a 2015 foram registrados 773 casos de HIV/aids em gestantes em Alagoas. As variáveis estudadas identificaram que a maioria dessas gestantes engloba mulheres jovens, com baixos níveis de instrução e situação socioeconômica de vulnerabilidade. Conclusão: Para tanto, faz-se necessário a inclusão de ações direcionadas a ampliação da atenção às mulheres, em que a garantia de atendimento integral e diagnóstico precoce do HIV constituem estratégias importantes para promover adequada adesão ao tratamento e a redução da transmissão vertical.

Descritores: Gestantes; Soropositividade para HIV; Epidemiologia; Atenção à Saúde; Enfermagem.

RESUMEN

Objetivo: Conocer las características epidemiológicas de la infección por el VIH en mujeres embarazadas. Método: Estudio descriptivo con el abordaje cuantitativo. La población estudiada fue compuesta por mujeres embarazadas con VIH/sida residentes en el estado de Alagoas. Los datos fueron organizados en variables y analizados según el parámetro de medidas de dispersión pertinentes a la media aritmética y al desvío estándar (X ± S). Resultados: En el período de 2007 a 2015 fueron registrados 773 casos de VIH/sida en mujeres embarazadas en Alagoas. Las variables estudiadas identificaron que la gran parte de esas mujeres embarazadas engloba a mujeres jóvenes,
INTRODUCTION

The growth in the number of cases of infection by the Human Immunodeficiency Virus (HIV) is a global phenomenon that represents important epidemiological changes, marked by the phenomena of “feminization,” “interiorization,” “pauperization” and “juvenilization”\(^{(1)}\).

In Brazil, of the 15,885 AIDS cases diagnosed since their discovery until present days, 5,001 correspond to women, who are responsible for a percentage of 31.5\% of total cases in Brazil\(^{2}\). In this scenario, considering the state of Alagoas, we noticed that the first HIV cases in women date back to 1987, when the average was seven men infected for every woman. Over the years and with the significant increase in cases in the female population, the number of new cases has reached a total of 237 men infected with HIV for 139 women in 2012\(^{3}\).

In line with the Brazilian reality, the increase in cases of women infected with HIV is a problem in several Latin American countries, mainly in Dominican Republic, Argentina and El Salvador, where sex tourism, socioeconomic conditions and the influence of power dynamics and gender roles were associated with this overview\(^{4}\). In this sense, because the increased transmission of HIV by heterosexual contact has led to the substantial growth of cases in women, especially in the reproductive age, we observe that the feminization of AIDS became the most worrisome phenomenon for the current framework of this epidemic, considering the real possibilities of mother-to-child transmission of HIV\(^{(5)}\).

According to the Ministry of Health\(^{(6)}\), the detection rate of pregnant women with HIV in Brazil has been showing a trend of increase in the last ten years; whereas in 2006 the rate observed was 2.1 cases per 1,000 LB, in 2015, this value passed to 2.7, indicating an increase of 28.6\%. In the state of Alagoas, the incidence rate was 2.5 per 1,000 LB in 2015, which demonstrates proximity to the national average.

In this context, estimates indicate that, each year, approximately 17,200 pregnant women are infected with HIV, which makes the vertical transmission responsible for almost all cases of the infection in children under the age of 13 years\(^{(6)}\). However, we believe the indicators of HIV in pregnant women can be improved with the implementation of preventive actions proposed in Rede Cegonha (Stork Network) by the Federal Government. This proposal, which aims to improve the quality of prenatal and birth care, recommends, in addition to the availability of fast tests as a strategy for early HIV detection and treatment, the universal offer of antiretroviral therapy for pregnant women during pregnancy and delivery, and for newborns in the first weeks of life\(^{(7)}\).

However, a study conducted in Piauí\(^{(8)}\), aimed at the identification of the epidemiological profile of HIV-positive pregnant women attended at a state maternity, identified several difficulties faced by health services regarding the incorporation of such prophylactic measures, in which the socioeconomic conditions of pregnant women, as well as the deficiencies in the healthcare system, constituted important obstacles in these women’s adherence to prenatal care and, consequently, to treatment.

Judging by the specifics the HIV/AIDS epidemic present among different population segments, it is necessary to incorporate appropriate coping strategies to the situational context this population is inserted. To this end, to know the epidemiological characteristics of pregnant women with HIV is essential to create actions that effectively improve the quality of care for these women.

OBJECTIVE

We believe it is important to learn the epidemiological characteristics of HIV infection in pregnant women.

METHOD

Ethical aspects

This study did not need to be appreciated by the Research Ethics Committee, as Resolution 466/2012 of the National Health Council, because the results are related to public access databases of the State Secretariat of Health of the state of Alagoas (SESAU).

Design, study location, population and period

This is a descriptive epidemiologic study with quantitative approach.

Descriptive epidemiology studies the incidence and/or prevalence of a disease, observing how it relates to certain characteristics, such as: sex, age, education, occupation, income, among others. This way, the researcher is not only capable of identifying situations and/or risk groups for prevention purposes; she/he also becomes capable of visualizing possible hypotheses for future research. Regarding the descriptive studies, these are intended to determine the distribution of diseases or health-related conditions, according to individuals’ time, place and/or characteristics\(^{(9)}\).

The study was carried out in the state of Alagoas, which is located in northeastern Brazil, with a population, in 2016, of 3,358,963 inhabitants. The nominal monthly household income \textit{per capita} of the resident population reaches R$ 662, while the Human Development Index (HDI) is the worst in the country, reaching 0.68\(^{(10)}\). The study population was composed of pregnant women with HIV/AIDS, residents in the state of Alagoas, who were notified in the period from 2007 to 2015.

Descriptores: Mujeres Embarazadas; Seropositividad para VIH; Epidemiología; Atención a la Salud; Enfermería.
Study protocol

Data collection was carried out from May 2016 to April 2017 through the Epidemiological Surveillance database, available in the Secretariat of Health of São Paulo (SES), as well as the System for Notifiable Diseases (SINAN) and Information System on live births (SINASC), provided by the Department of Informatics of the Brazilian Unified Health System – DATASUS regarding the total number of cases of pregnant women with HIV/AIDS notified in Alagoas.

The data collected were organized from epidemiological variables divided into three typologies: sociodemographic (age, race/color, and education), health (year of diagnosis and birth year) and access to health services (prenatal and serological evidence period).

Results analysis and statistics

The numbers were exported to the software Tabwin 2.7, being tabulated and compiled into the software Microsoft Excel 2016 for Windows®. The incidence coefficients were obtained from the number of HIV cases detected in pregnant women living in Alagoas in the given period, divided by the total number of live births residing in the same place and year of notification, with demographical information available through demographic censuses.

Subsequently, data were submitted to descriptive analysis, through the measures of dispersion parameter, using the arithmetic mean and standard deviation (X ± S), seeking to arrange the variability of the data. Following the measurement, the data were presented in graphs and table through absolute and relative frequency, as well as detection coefficient (or rate).

Table 1 – Distribution of HIV/AIDS cases in pregnant women according to sociodemographic data, Alagoas, Brazil, 2007 to 2015

<table>
<thead>
<tr>
<th>Variables</th>
<th>2007 n(%)</th>
<th>2008 n(%)</th>
<th>2009 n(%)</th>
<th>2010 n(%)</th>
<th>2011 n(%)</th>
<th>2012 n(%)</th>
<th>2013 n(%)</th>
<th>2014 n(%)</th>
<th>2015 n(%)</th>
<th>X ± S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Schooling</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Ign***/blank</td>
<td>8(16)</td>
<td>10(13.7)</td>
<td>8(11.4)</td>
<td>21(27.6)</td>
<td>22(26.5)</td>
<td>8(11)</td>
<td>20(19.2)</td>
<td>21(18.1)</td>
<td>27(21.1)</td>
<td>18.3 ± 6.0</td>
</tr>
<tr>
<td>None</td>
<td>5(10)</td>
<td>8(10.9)</td>
<td>9(12.9)</td>
<td>5(6.6)</td>
<td>6(7.2)</td>
<td>2(2.7)</td>
<td>9(8.6)</td>
<td>6(5.2)</td>
<td>7(5.5)</td>
<td>7.7 ± 3.2</td>
</tr>
<tr>
<td>From 1 to 4</td>
<td>13(26)</td>
<td>34(46.6)</td>
<td>18(23.7)</td>
<td>18(23.7)</td>
<td>21(25.3)</td>
<td>19(26)</td>
<td>20(19.2)</td>
<td>26(22.4)</td>
<td>22(17.2)</td>
<td>25.8 ± 8.4</td>
</tr>
<tr>
<td>From 5 to 8</td>
<td>14(28)</td>
<td>9(12.3)</td>
<td>21(30)</td>
<td>25(32.9)</td>
<td>22(26.5)</td>
<td>31(42.5)</td>
<td>34(32.7)</td>
<td>34(29.3)</td>
<td>51(39.8)</td>
<td>30.5 ± 8.6</td>
</tr>
<tr>
<td>From 9 to 11</td>
<td>9(18)</td>
<td>8(11)</td>
<td>10(14.3)</td>
<td>7(9.2)</td>
<td>10(12.1)</td>
<td>12(16.4)</td>
<td>19(18.3)</td>
<td>28(24.1)</td>
<td>21(16.4)</td>
<td>15.5 ± 4.5</td>
</tr>
<tr>
<td>From 12 and more</td>
<td>1(2)</td>
<td>4(5.5)</td>
<td>4(5.7)</td>
<td>0(0)</td>
<td>2(2.4)</td>
<td>1(1.4)</td>
<td>2(2)</td>
<td>0(0.9)</td>
<td>0(0.0)</td>
<td>2.2 ± 2.1</td>
</tr>
<tr>
<td>Age group</td>
<td></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>&gt;13 years</td>
<td>0(0)</td>
<td>1(1.4)</td>
<td>0(0)</td>
<td>1(1.3)</td>
<td>1(1.2)</td>
<td>1(1.4)</td>
<td>3(2.9)</td>
<td>2(1.7)</td>
<td>3(3.2)</td>
<td>1.4 ± 0.9</td>
</tr>
<tr>
<td>15 to 19 years</td>
<td>5(10)</td>
<td>12(16.4)</td>
<td>16(22.9)</td>
<td>16(21.1)</td>
<td>13(15.7)</td>
<td>18(24.6)</td>
<td>11(10.6)</td>
<td>20(17.2)</td>
<td>33(25.8)</td>
<td>18.3 ± 5.8</td>
</tr>
<tr>
<td>20 to 34 years</td>
<td>42(84)</td>
<td>55(75.3)</td>
<td>49(70)</td>
<td>50(65.8)</td>
<td>62(74.7)</td>
<td>50(68.3)</td>
<td>80(76.9)</td>
<td>78(67.3)</td>
<td>82(64.1)</td>
<td>71.8 ± 6.4</td>
</tr>
<tr>
<td>35 to 49 years</td>
<td>3(6)</td>
<td>5(6.9)</td>
<td>5(7.1)</td>
<td>9(11.8)</td>
<td>7(8.4)</td>
<td>4(5.5)</td>
<td>10(9.6)</td>
<td>16(13.8)</td>
<td>10(7.8)</td>
<td>8.5 ± 2.7</td>
</tr>
<tr>
<td>Race/Color</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ign***/blank</td>
<td>4(8)</td>
<td>3(4.1)</td>
<td>3(4.3)</td>
<td>4(5.3)</td>
<td>4(4.8)</td>
<td>3(4.1)</td>
<td>3(2.9)</td>
<td>6(5.2)</td>
<td>6(4.7)</td>
<td>4.8 ± 1.4</td>
</tr>
<tr>
<td>White</td>
<td>6(12)</td>
<td>7(9.6)</td>
<td>11(15.7)</td>
<td>9(11.8)</td>
<td>14(16.9)</td>
<td>11(15.1)</td>
<td>14(13.5)</td>
<td>7(6)</td>
<td>12(9.4)</td>
<td>12.2 ± 3.5</td>
</tr>
<tr>
<td>Black</td>
<td>5(10)</td>
<td>5(6.8)</td>
<td>2(2.9)</td>
<td>4(5.3)</td>
<td>7(8.4)</td>
<td>14(19.2)</td>
<td>8(7.7)</td>
<td>21(18.1)</td>
<td>16(12.5)</td>
<td>10.1 ± 5.6</td>
</tr>
<tr>
<td>Yellow</td>
<td>0(0.0)</td>
<td>0(0.0)</td>
<td>0(0.0)</td>
<td>1(1.3)</td>
<td>1(1.2)</td>
<td>0(0.0)</td>
<td>0(0.0)</td>
<td>2(1.7)</td>
<td>1(0.8)</td>
<td>0.6 ± 0.7</td>
</tr>
<tr>
<td>Mixed-race</td>
<td>35(70)</td>
<td>58(79.3)</td>
<td>54(77.1)</td>
<td>58(76.3)</td>
<td>57(68.7)</td>
<td>45(61.6)</td>
<td>78(75)</td>
<td>79(68.1)</td>
<td>93(72.6)</td>
<td>72.1 ± 5.6</td>
</tr>
<tr>
<td>Indigenous</td>
<td>0(0)</td>
<td>0(0)</td>
<td>0(0)</td>
<td>0(0)</td>
<td>0(0)</td>
<td>1(0.9)</td>
<td>1(0.9)</td>
<td>0(0)</td>
<td>0.2 ± 0.4</td>
<td></td>
</tr>
</tbody>
</table>

Notes: *Arithmetic mean; **Standard deviation; ***Ignored.
The proportional distribution of the pregnant women who got the prenatal care shows a percentage relatively balanced among the years, with 84.7% for those who attended at least one prenatal appointment (X=85.9 and S=5.5) and 11.3% (X=10.7 and S=4.0) for those who did not get the prenatal care (Figure 2).

Whereas the serological evidence, Figure 3 shows that the percentage of pregnant women who had access to the diagnosis during prenatal care was the highest in most years, with 41.3% (X=42.5 and S=9.4). Serological evidence before prenatal care accounted for 34.4% of the number of cases, with the years 2013 and 2014 being leaders in notifications (X=33.6, S=8.9). The percentage of pregnant women with a diagnosis of HIV during delivery occupied the first position in 2012, when accounted for 34.2% of the cases that year (X=21.7 and S=6.5); and the diagnosis after delivery presented the lowest occurrence, with 2.6% (X=2.2 and S=1.6).

**DISCUSSION**

Although the compulsory notification of HIV-seropositive pregnant women had been introduced into Brazil since the year 2000, in Alagoas, until 2007, a timid process of records caused by deficiencies in the healthcare system could be observed. Considering the variables, we can observe that schooling presented the greatest percentage of cases in groups with eight or fewer years of schooling. Similarly, a study conducted at the University Hospital of Santa Maria (RS) found that 65% of the pregnant women infected with HIV had low level of schooling. Identical situation occurred in Passos (MG), in which authors showed low level of schooling in 80% of the women studied. In this regard, studies on HIV-positive pregnant women conducted in Brazil found that the majority of these women had a low level of schooling. However, when evaluating this scenario in Spain, researchers reported that most women infected with HIV (75.2%) claimed to have secondary education. These findings can be justified by the fact that the European countries have a better planning and higher investments in the educational area. In this sense, the level of schooling has been used as an important indicator analogous to socioeconomic variables. This way, the increase in AIDS cases in individuals with lower level of education has been an indicative the epidemic is spreading to disadvantaged layers of society, described as pauperization.

Regarding age, the ones between 20 and 29 years are the most affected. This result is similar to data found by authors who developed a study at Hospital das Clínicas of the University of São Paulo (USP), identifying an average of 28.9 years and predominance from 25 to 34 years. In the same way, a research conducted at the University Hospital of Rio de Janeiro showed an age group from 30 to 34 years. On the other hand, in the state of Pará, a reference service in Women’s and Children’s Health evaluated mostly young people aged between 18 and 23 years.

In Brazil, the age group most affected by HIV/AIDS in women is between 25 and 39 years. As to Latin American countries, there are differences regarding age group. In Chile, a prevalence of infected pregnant women was identified between 14 and 24 years; in Colombia, most women were in reproductive phase (15 to 49 years); however, the percentage of pregnant women infected in this study was low, reaching a percentage of 1%. At the same time, a survey conducted in Argentina found a reduction in the incidence of HIV-infected women in the reproductive age, and in Honduras, the average age was 26 years and the reproductive age range was evidenced with ages ranging from 19 to 38 years.
The growth of pregnant women with HIV/AIDS aged between 15 and 19 years must be highlighted. In this sense, the authors argue that the emergence of this disease among adolescents may be linked to several factors, such as: greater vulnerability in the adolescent phase, lower socioeconomic status, difficulty of access to Primary Health Care Units (UAPS); and they report that this group is more likely to risk situations, such as the use of alcohol, drugs, unintended pregnancy, violence and STI/HIV/AIDS.

Thus, when evaluating the increase in cases of pregnant teenagers with HIV/AIDS, it is possible to question whether they were properly oriented about contraception methods and the prevention of STIs, since the abandonment of this population by the health system would constitute a violation against the sexual, reproductive and health rights of these individuals. Instead, the National Policy for Integral Attention to Women’s Health (PNAISM) ensures the advances related to sexual and reproductive rights and establishes the issues concerning prevention and treatment of women living with HIV/AIDS.

Above all, we realize the importance and necessity of public policies and sexual health programs in schools that aim to contribute to the proper education of adolescents, so they can be aware and take decisions regarding their sexuality. Nurses, as health professionals, work in several areas, such as preventive and curative care and in health education, the health of adolescents is an interface of their practice.

In this context, the nurse plays a key role as an educator/facilitator committed to using education strategies in health, in an attempt to change risk behavior; in addition, the nurse also plays a key role regarding family planning, since he/she is the one who performs the anamnesis, the physical and gynecological exam, investigates current complaints, reproductive goals and knowledge about contraceptive methods, strengthens the importance of family planning, orients about the method chosen, about sexual and reproductive health, among others.

For instruments that can be used, the Integrated Plan to Combat the Feminization of AIDS and other STIs and the School Health Programme (PSE) are positive strategies to guide the actions and plans of health professionals for a more integrated care to adolescents and HIV-infected women.

As for the racial distribution of pregnant women, we observed that the sum of the mixed-race and black color in 2015 is equivalent to 85.1%. In Brazil, racism is still strongly present in individuals’ lives, being seen mostly in communities that suffer from pauperization. The vulnerability of the black population to HIV/AIDS, invisibility and sexual violence against women contributes to the growth of cases. Considering the exposed, health promotion strategies for this group are essential concerning the prevention of opportunistic infections, use of antiretroviral therapies (HAART), and easy access to health services. To do so, it is urgent to define black women as priority population in the public policies of STI/AIDS.

To analyze the evolution of the cases of HIV-infected pregnant women, we observed an important phenomenon for the current time of the AIDS epidemic in Brazil, which, for decades, was linked to homosexuality; however, its dissemination reached various social segments. For years, groups and/or risk behavior were described, but nowadays, they report a framework marked by heterosexualization and feminization processes.

This new scenario demands the recognition of the vulnerability conditions of women to HIV. Authors highlight economic and psychosocial aspects and gender relations as important factors connected with this reality. Similar results are seen in Latin American countries, which occupy the 4th place in number of cases; while the Western Europe and North American countries are in the last position. Therefore, this overview is related to the social and economic situation of these populations, since the Latin American countries are considered underprivileged.

According to an epidemiological survey of the State Secretariat of Health of Alagoas, in 2012, the municipalities: Coqueiro Seco, Flexeiras and Joaquim Gomes showed higher rates of pregnant women with HIV/AIDS than the capital city Maceió. The increase in these rates in small- and medium-sized municipalities reflects the phenomenon of interiorization that AIDS epidemic has been showing across the country, striking heavily those who live in underserved communities. The interiorization event in Alagoas can be characterized because of the low coverage of the Family Health Strategy (ESF) in the inner cities. Basic Health Units (UBS) have several problems, such as: inadequate physical structure of services, insufficiency and profile of health professionals, erratic monitoring and evaluation of the actions, being, this way, a policy in construction.

As for the prenatal care of pregnant women with HIV/AIDS, despite the increasing adherence of these women to prenatal care throughout the study period, the percentage of those who did not get prenatal care may be associated with the ignorance of their condition, as well as to weaknesses in the active search for health a system. A study developed in southern Brazil showed that almost 70% of pregnant women have their diagnosis in the gestation period during prenatal appointments; therefore, when the beginning of these appointments are delayed or occurs in insufficient number, they constitute barriers to the prevention of mother-to-child transmission of HIV.

In Fortaleza, the authors noticed that pregnant women who discovered HIV early on began antiretroviral treatment more quickly, showing the importance of early diagnosis for more effective compliance. For this reason, to provide tests in previous steps of pregnancy is essential, that is, to stimulate and disseminate family planning programs, which, certainly, will contribute to the prevention of vertical transmission and Sexually Communicable Diseases (STDs).

Data showed that women’s access to diagnosis of HIV infection took place, mostly, during prenatal care, which reinforces the importance of this medical follow-up for the pregnant woman. In a study conducted at the Hospital das Clínicas of the Federal University of Minas Gerais, similar results were observed, in which 60% of pregnant women had discovered the diagnosis during the prenatal serological screening or at time of delivery and, according to the analysis of these results, the knowledge of positive serology for HIV test triggered a series of reactions and had a negative impact on the lives of pregnant women, since in general, these women did not perceive themselves vulnerable to HIV, which led, initially, to feelings of indignation, remorse, sadness and indifference.
This way, even if the proposed interventions reduce, significantly, mother-to-child transmission of HIV, in Brazil, the coverage of prophylactic actions is still low because of various obstacles, such as lack of prenatal care or inappropriate assistance, late diagnosis of HIV and low women’s adherence to recommendations\(^{46}\).

The policy of prevention and attention to HIV is known worldwide as sets of actions established and developed aiming stabilization. “New objectives related to HIV/AIDS epidemic have been predetermined worldwide at a meeting of the United Nations (UN), in which Brazil participated\(^{44 \, 46}\). At this meeting, the member States of the UN report, in a statement, the commitment for 2020 to reduce new infections of HIV and the mortality rates of AIDS to less than 500 thousand a year. Some preventative measures are: realization of elective cesarean section, zidovudine monotherapy (AZT), antiretroviral management, administration of AZT during delivery and use of oral antiretroviral by the newborn exposed during birth until the 42nd day of life, and replacement of natural breastfeeding by bottle-feeding\(^{47 - 49}\).

From the data collection we noticed that it is of paramount importance to offer services to these infected people because of the socioeconomic profile presented, composed mainly of black and mixed-race women with low level of schooling who need to be assisted in contraception and prevention of sexual transmitted infections. Defending this hypothesis, the coverage of prophylactic actions in Brazil is still low because of various obstacles, such as lack of prenatal care or inadequate assistance, late diagnosis of HIV and low adherence of women to the recommendations\(^{50}\).

**Study limitations**

Among the limitations of this study we include the information classified as ignored/blank, which triggers potential flaws in the research. In addition, even though estimates of new cases are higher than those reported in the state of Alagoas, we could assume that cases were sub-notified. These limitations could compromise the epidemiological analyses.

**Contributions to the fields of Nursing, Health, or Public Policies**

This study pointed out the growing feminization of AIDS in the state of Alagoas and some interfaces that constitute the epidemiological overview of HIV/AIDS in pregnant women. Thus, this study will contribute to the reflection of health professionals, especially nurses, who need to be mindful of the psychological, biological, clinical and social demands of people living and dealing with HIV/AIDS, because the nurse responds directly by the prenatal care, which aims to ensure the quality of care and early discovery of diseases that may affect these women in the gravid-puerperal cycle and that, many times, for not being able to assist them properly, contribute to negative outcomes that increase the maternal-infant morbidity and mortality rates. In this context, HIV/AIDS in the gravid-puerperal cycle can be monitored by a nurse through the actions advocated by the Stork Network, guaranteeing fast tests so that pregnant women can be diagnosed and treated as early as possible, favoring thus the reduction of maternal mortality coefficients and vertical transmission of HIV.

CONCLUSION

From the results of the epidemiological overview of HIV/AIDS in pregnant women, we can observe that most pregnant women with HIV/AIDS in the state of Alagoas are young women with low level of education and vulnerable socioeconomic status who attended at least one prenatal appointment and whose diagnosis of HIV occurred mostly during the prenatal period.

We should highlight that this study enabled a more critical and singular overview of HIV/AIDS in the state of Alagoas, since there is the need to improve public policies that meet the epidemiological changes incurred and that promote better living and health conditions to this population to minimize the damage caused to the father-mother-daughter/son trinomial.

Still considering the gravid-puerperal scope, the implementation of actions focused on the extension of assistance to women is necessary, in which the guarantee of full service, in line with early diagnosis, become important strategies for promoting adequate adhesion to the treatment and reduction of vertical transmission, including the health professional as the protagonist in the clinical decision making, providing important information for primary healthcare to pregnant women in the gravid-puerperal cycle.

According to the exposed, this overview showed that these findings may provide subsidies for a discussion on the practical assistance to the trinomial by health professionals during the prenatal period, regarding the development of educational activities that consider the peculiarities and specific needs of pregnant women, providing not only HIV prevention, but also a better quality of care in the gestation and parturition period.

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