

Conference Paper

HIV/AIDS Positive Cases Based on Basic Health Research Data in 2019, Indonesia

Candra Kirana¹, Ramadhan Tosepu^{2*}, Devi Savitri Effendy²¹Student of Postgraduate Program of Public Health, University of Halu Oleo, Indonesia²Faculty of Public Health University of Halu Oleo, Southeast Sulawesi province, Indonesia**Abstract.**

Acquired Immunodeficiency Syndrome (AIDS) is an infectious disease that attacks the body immune system. It is hard to protect the body when infected with this virus. *Acquired Immunodeficiency Syndrome (AIDS)* is caused by *Human Immunodeficiency Virus (HIV)*. Riskesdas data in 2019 stated that HIV/AIDS cases tend to increase year by year in the male group rather than women. Of the total HIV/AIDS cases, 65% are men and 35% are women. In addition, AIDS infects mostly men (69%) and only 31% of women. This virus also infects people of productive age on average 25-49 years old.

Keywords: Risk factors, HIV/AIDS

Corresponding Author:

Ramadhan Tosepu; email:

ramadhan.tosepu@uho.ac.id

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1. INTRODUCTION

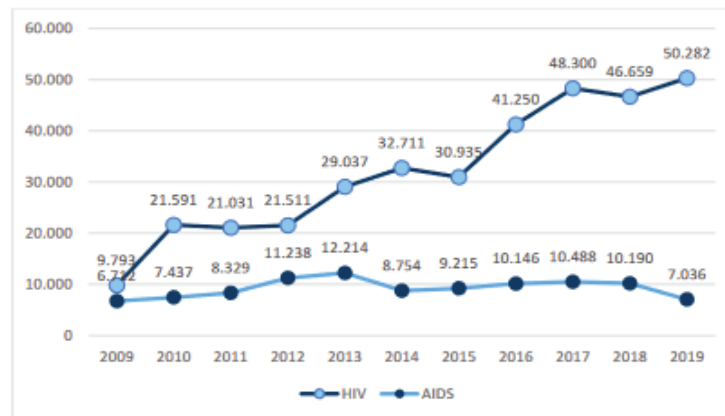
Acquired Immunodeficiency Syndrome (AIDS) is an infectious disease which attacks the body immune system. It is hard to prevent our body when someone infected this virus. *Immunodeficiency Syndrome (AIDS)* caused by *Human Immunodeficiency Virus (HIV)*. This virus leads damaging disease around the world. World Health Organization (WHO) stated that there is 38 million around the world in the last 2019. The newest infections around 1.7 billion of people [1, 2]. In the last year 2016 state that there was 5.1 billion of people in Asia and Pacific infected HIV. Young women much more risk to get infected. There was 59 % newest infectious in 15-19 years old. The main cause is sex relationship [3]. Indonesia is one of the country in the world with significant improvement of HIV/AIDS cases. HIV/AIDS cases becomes priority for prevention program [4]. According to the Indonesia Health Ministry state that 50.282 HIV cases happen to the men is 65 % and women 35% in 2019. It is increase year by year. AIDS case happen in 2019 to the 7.036 men 69% and women 31 %.

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2. METHOD

This study was used various data from Indonesia Health Ministry. The data obtained by the basic health research data in year 2019. The result is presented as below

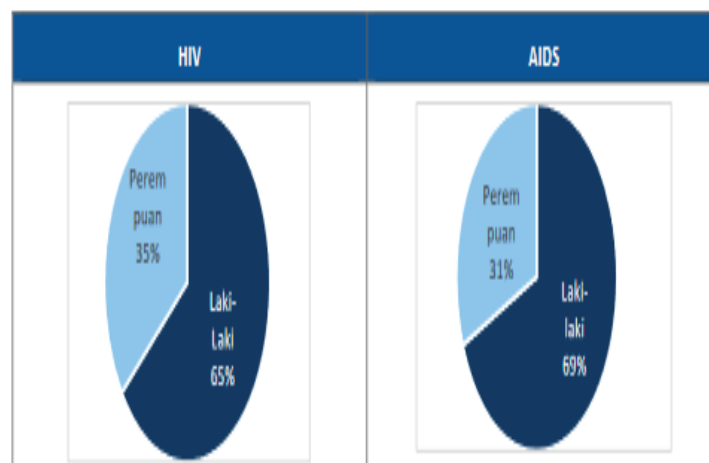
3. RESULT



Sumber: Ditjen P2P, Kemenkes RI, 2020

Figure 1: Number of cases each year in Indonesia.

Based on HIV/AIDS distribution cases from year to year, the results of the study showed that distribution of HIV infection has always increased. In 2018, cases decreased and then in the increase in the following year. Meanwhile, AIDS cases on the previous year tended to increase and then in 2019 decreased (Figure 1).



Sumber: Ditjen P2P, Kemenkes RI, 2020

Figure 2: Number of cases by gender.

The results showed that based on gender, the distribution of HIV/AIDS was more in men with 65% with HIV infection and 35% women. Meanwhile percentage showed 69% men with AIDS and 31% female in year 2019 (Figure 2).

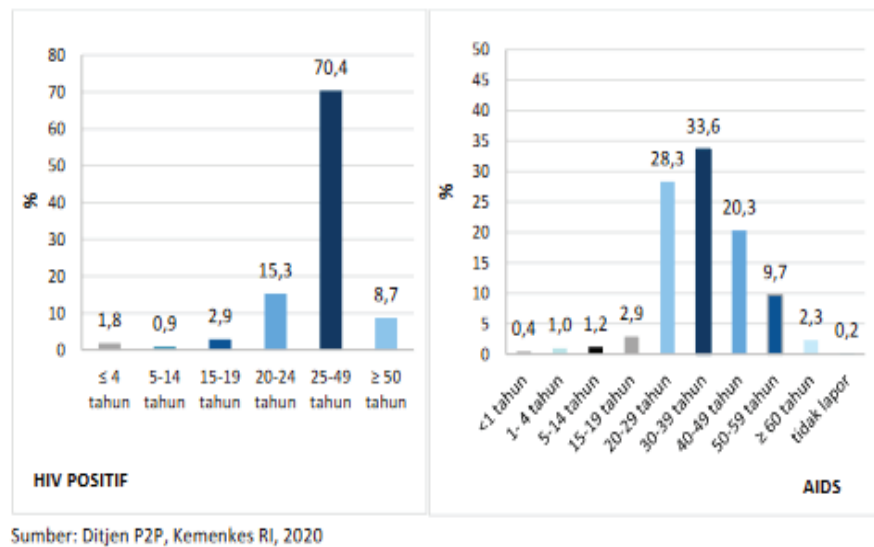


Figure 3: HIV/AIDS cases percentage by Age.

The results showed that the highest HIV and AIDS cases age group was the productive age. In the case of HIV, there is age group of 25-49 years old, while in the case of AIDS is age group of 20-39 years. HIV transmission from mother to child has been found. It is indicated by the fact of HIV and AIDS cases in the age group less than 4 years.

4. DISCUSSION

AIDS (*Acquired Immunodeficiency Syndrome*) is a symptom of a disease that arises due to a decrease in the immune system caused by infection of the HIV virus (*Human Immunodeficiency Virus*). People who affected by this virus is weak to against various infectious diseases [6]. The increase of HIV/AIDS with various risk factors has been found. The groups of people who are at risk of HIV are the recipients of blood transfusions, babies of mothers who are infectious to have AIDS, narcotics addicts, injection device users and bad sexual behavior which changes partners [7].

The HIV/AIDS spreads by gender characteristics showed that male sufferers more than female. This is also influenced by bas sexual behavior that change partners often and the use of narcotics by using syringes. The age group that is most infected HIV/AIDS virus is productive age [8].

According to the research data showed that HIV/AIDS infection is also risk for female especially sex workers. Heterosexual relationship is the main factor in HIV infection in the world. Behavioral factors of female sex workers are become the main problem the increase in HIV/AIDS. Those women are inconsistent to use the contraception devices during sexual intercourse in the localization and non-localization area. There are many reasons women decide to be sex workers such as less job opportunity.

5. CONCLUSION

Based on Riskesda data in year 2019, the number of infectious HIV/AIDS patients increase year by year. Men are the highest patients since bad sexual habit such as changes partner often and not use contraceptives during sexual intercourse. This virus also infects productive age group are 25-49 years old.

References

- [1] S. Haringji, N. Yuniar, and N. N. Jufri, "Gambaran perilaku siswa SMA dalam upaya pencegahan hiv aids di wilayah kota kendari tahun 2016," (*Jurnal Ilmiah Mahasiswa Kesehatan Masyarakat*), vol. 1, no. 3, 2016.
- [2] S. Qin *et al.*, "Predictive factors of viral load high-risk events for virological failure in HIV/AIDS patients receiving long-term antiviral therapy," *BMC Infectious Diseases*, vol. 21, no. 1, pp. 1-11, 2021.
- [3] Y. Anggina, Y. Lestari, and Z. Zairil, "Analisis Faktor yang Mempengaruhi Penanggulangan HIV/AIDS di Wilayah Kerja Dinas Kesehatan Kabupaten Padang Pariaman Tahun 2018," *Jurnal Kesehatan Andalas*, vol. 8, no. 2, pp. 385-393, 2019.
- [4] M. Mardaniah, H. Lestari, and J. Junaid, "Risiko Faktor Orientasi Seksual Terhadap Kejadian HIV/AIDS Berdasarkan Perilaku Seksual, Narkoba Parenteral, dan Riwayat IMS di Kota Kendari tahun 2017," (*Jurnal Ilmiah Mahasiswa Kesehatan Masyarakat*), vol. 3, no. 2.
- [5] Mahmood, S. (2021). Female garment workers' understandings of sexually transmitted infections in selected low to middle-income countries: A systematic review. *Public Health of Indonesia*, 7(1), 5-22.