

**BACKGROUND**

HIV remains a critical global health challenge, while the Middle East and North Africa (MENA) region boasts one of the lowest prevalence rates of People Living with HIV (PLHIV) globally, estimated at less than 0.1%<sup>[1]</sup>. However, there is unfortunately a lack of data and few studies on the situation prevailing in North Africa, in a context of an increase in cases of transmission in recent years<sup>[2]</sup>. Algeria, a country with over 47 million inhabitants, represents the low prevalence of PLVIH in the MENA region, maintaining a sustained rate below 0.1% in the general population<sup>[3]</sup>. However, beneath these low rates lies a complex landscape where PLHIV encounter substantial obstacles in accessing essential care and vaccination services, especially since healthcare infrastructure is heavily concentrated in the north of the country, leaving many vulnerable populations in the country with limited access.

**OBJECTIVE**

The aim of this work is to provide an update on the epidemiological perspective, highlighting the obstacles that PLHIV encounter in accessing care and vaccination.

**METHODS**

This comprehensive analysis involves pooling data from various sources, including WHO reports<sup>[4]</sup>, national databases, scientific literature, ONUSIDA statistics<sup>[5,6,7]</sup>, Multiple Indicator Cluster Surveys (MICS)<sup>[8]</sup>, Integrated biological and behavioral assessment reports (IBBS)<sup>[9]</sup> and the national response report on HIV/AIDS of 2022.

**TABLE 1: HIV and AIDS Estimates**

	Analysis population
Adults and children living with HIV	28 000 [26 000 - 30 000]
- Adults aged 15 and over	27 000 [24 000 - 29 000]
- Women	13 000 [12 000 - 14 000]
- Men	14 000 [12 000 - 15 000]
- Children aged 0 to 14	1300 [1200 - 1400]

**TABLE 2: HIV testing and treatment cascade**

	Analysis population
People living with HIV (N)	22 000
People living with HIV who know their status: % [SD]	79 [73 - 85]
People living with HIV who are on ART (N)	18 000
People living with HIV who are on ART: % [SD]	63 [58 - 68]

**TABLE 3: IBBS study referenced in the PNS 2020-2024**

Key populations	Sex workers (2019)	Men who have sex with men	Drug addicts
HIV prevalence	7.21%	2.3%	2.2%

**CONCLUSION**

Despite progress in HIV awareness, challenges persist, highlighting the need to provide a better framework for care and access to optimal care in addition to targeted and more effective prevention strategies, including systematic vaccination recommendations for PLHIV and strengthening vaccination programs for at high-risk patients. Ongoing efforts in awareness campaigns, early detection and increasing the number of CDR is crucial for advancing public health in Algeria.

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