Public Knowledge, Views, Perceptions & Attitudes towards HIV and People with HIV in Switzerland – Results of a national survey

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Conclusions

- U=U is a message with limited recognition that is not well understood by the Swiss public
- This lack of knowledge is accompanied by HIV-associated stigma and misperceptions and in some cases limited understanding of HIV transmission routes
- The knowledge of Pre-Exposure Prophylaxis is limited in Swiss general population
- Effective awareness campaigns are needed to spread the U=U message and help foster a more informed and supportive public stance towards PWH.

- Normanicus: 1. NYTPU. niusy.r/apps. wno.in/misnistreamnanoien/U65/36/08/86/09/78/40/05/179-eng.pdf (accessed TBC)

 2. DHHS. https://clinicalinfo.hiv.gov/sites/default/files/quidelines/documents/adult-adolescent-arv/guidelines-adult-adolescent-arv.pdf (accessed Jun 21, 2024);

 3. IAS. https://www.iasociety.org/fas-statemenfiles-statemenfiles-editor-action (accessed Jun 21, 2024);

 4. EACS guidelines v.12, Oct 2023 https://www.eacsociety.org/guidelines/eacs-guidelines/ (accessed Jun 21, 2024)

Background

- People with HIV (PWH) on effective antiretroviral therapy who achieve and maintain undetectable viral load cannot sexually transmit the virus. This message known as U=U (Undetectable equals Untransmittable) has the power to reduce HIV-associated stigma. Stigma is a significant barrier impacting early diagnosis, retention in care or access to specialized services, and negatively impacts quality of life for PWH1
- Suppressed viral load during pregnancy, delivery and breastfeeding reduces the chance of vertical HIV transmission to <1% and there is no risk of transmission if the mother is taking ART and has undetectable VL prior to and throughout pregnancy and delivery
- Zero risk of transmission as stated by U=U is supported by Major Worldwide Guidelines²⁻⁴

Objective

Evaluate the awareness, understanding and acceptance of U=U in the general population in Switzerland (CH).

Methods

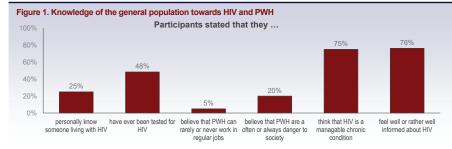
- We conducted a HIV public opinion surveys, using a questionnaire with closed-ended questions, to understand public opinion towards HIV transmission, PWH and U=U in November 2023.
- Participants (age ≥18 years) were randomly selected and representative quota sampling across demographic variables such as age gender, educational level, and geographic location within Switzerland was ensured. Participants were recruited by a panel institute a to provide representative population surveys.

Table 1. Demographic data

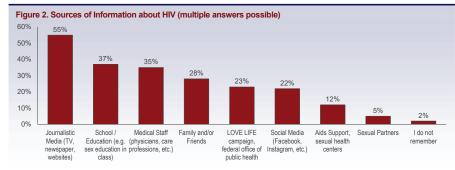


Results

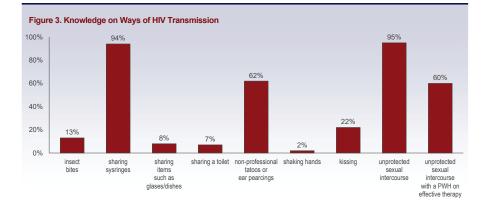
A total of 1015 respondents participated in the survey (Table 1, demographic data). On average, 76% of respondents stated that they were feeling informed about HIV and 75% agreed that, due to modern ART, HIV is no longer a deadly but a manageable chronic condition. In contrast, 20% believed that PWH are often or always "a danger to society" and 5% believed PWH are "not able



Respondentes were asked about the sources of their knowledge about HIV. The majority (55%) were informed by journalistic media (TV, newspaper and websites), but also school/education, medical staff and familiy & friends played a major role as sources of information about HIV (Fig. 2).

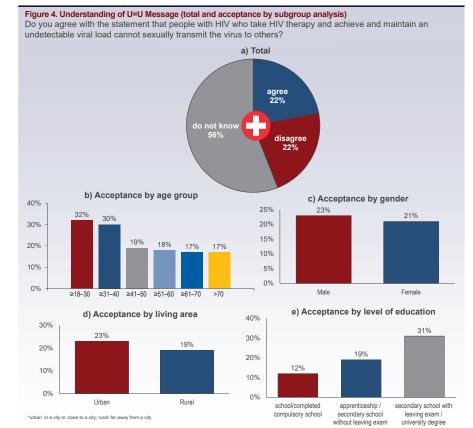


Respondents were asked whether they agree, disagree with or do not know about specific statements on how HIV is transmitted (Fig.3 presents agree responses as %). While >90% agree that HIV can be transmitted via sharing syringes and unprotected sexual intercourse, 60% and 22% still agreed that HIV could be transmitted through unprotected sexual intercourse with PWH on effective treatment and by kissing, respectively.



Results

- Approximately 22% of the participants agreed with the U=U message. On the other hand, a similar proportion did not agree with the U=U message and 56% answered that they do not know about it (Fig 4a).
- The acceptance of U=U was higher in younger people, people living in urban areas and those with higher education (Fig 4b-e)



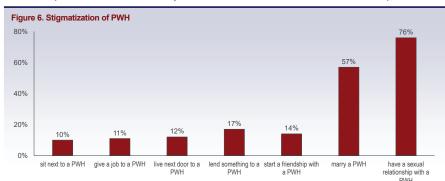
- 48% of the respondents agreed that women with HIV on effective therapy can give birth to HIV-negative infants. On the other hand, 45% 46% of the respondents agreed that women with riv or energing the property of the respondents did not know about this statement (Fig 5a).

 Understanding of vertical transmission was higher in people living in urban areas and those with higher education (Fig 5b-e).

Figure 5: Understanding vertical transmission (total and acceptance by subgroup analysis) Do you agree with the statement that women with HIV who take HIV therapy and achieve and maintain an undetectable viral load can give birth to healthy children without HIV? b) Acceptance by age group c) Acceptance by gender 60% 50% 44% 40% 40% 30% 20% 10% 0% e) Acceptance by level of education d) Acceptance by living area 80% 41% 40% 40% 20% 20% 0% apprenticeship / secondary school secondary school with leaving exam without leaving exam university degree compulsory school

In Fig.6 results from HIV stigma-related questions are presented, specially referring to personal and social connection and distance 14% of respondents would mind/not like to start a friendship with a PWH

57% of respondents would mind/not like to marry a PWH and 76% would mind/not like to have a sexual relationship with a PWH.



The sources of information and the awareness of the public about Pre-Exposure Prophylaxis (PrEP) was obtained. The vast majority (87%) had never heard about PrEP, and of those who stated knowing about it, only about 50% could correctly identify the definition of

