HEALTH EDUCATION ON THE PREVENTION OF HIV/AIDS WITH YOUNG MALE CRACK USERS¹

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ABSTRACT: The aim of this study was to promote, through Cultural Circles, a critical and reflective space on the prevention of HIV/AIDS among young crack users. An action research was carried out in 2012 through the Cultural Circle, with ten young crack users. The analysis and interpretation of results focused on the discussion according to the group experience. Youngsters showed incipient and inarticulate knowledge about AIDS, mainly myths, and considered themselves vulnerable to HIV/AIDS, given the exchange of straws and pipes for cocaine/crack use and loss of consciousness favoring non-use of condoms during intercourse and having multiple partners. Results contribute towards the nursing work with dialogical and participatory methodologies, such as Paulo Freire, in order to encourage critical reflection of both educator and learner towards the prevention of STD/AIDS among cocaine/crack users.

DESCRIPTORS: Nursing, Health Education. Acquired Immune Deficiency Syndrome. Young, Cocaine crack.

EDUCAÇÃO EM SAÚDE NA PREVENÇÃO DO HIV/AIDS COM HOMENS JOVENS USUÁRIOS DE CRACK

RESUMO: Objetivou-se promover, por meio dos Círculos de Cultura, espaço crítico-reflexivo acerca da prevenção do HIV/aids junto com jovens usuários de *crack*. Desenvolveu-se pesquisa-ação, realizada em 2012, através do Círculo de Cultura, com dez jovens usuários de *crack*. A análise e interpretação dos resultados privilegiaram a discussão conforme a experiência vivida pelo grupo. Os jovens demonstraram conhecimento incipiente e desarticulado sobre a aids, com predominância de mitos, e se consideravam vulneráveis ao HIV/aids, visto que o compartilhamento de canudos e cachimbos, para o uso da cocaína/ *crack*, e a perda da consciência favoreciam o não uso do preservativo durante as relações sexuais e a multiplicidade de parceiros. Os resultados contribuem para que o enfermeiro trabalhe com metodologias dialógicas e participativas, como a de Paulo Freire, a fim de favorecer a reflexão crítica do educador e educando em prol da prevenção de DST/aids em usuários de *crack*.

DESCRITORES: Enfermagem. Educação em saúde. Síndrome da imunodeficiência adquirida. Adolescente. Cocaína crack

EDUCACIÓN PARA LA SALUD EN LA PREVENCIÓN DEL VIH/SIDA CON HOMBRES JÓVENES CONSUMIDORES DE CRACK

RESUMEN: El objetivo fue promover, a través de los Círculos de Cultura, un espacio crítico y reflexivo sobre la prevención del VIH/SIDA entre jóvenes consumidores de cocaína/crack. Fue desarrollada una investigación-acción, en 2012 por medio del Círculo de Cultura, con diez jóvenes usuarios de cocaína/crack. El análisis e interpretación de los resultados favorecieron la discusión de la experiencia del grupo. Los jóvenes demostraron conocimiento sobre la SIDA de forma incipiente y desarticulado, con un predominio de los mitos, y se consideraban vulnerables a VIH/SIDA pues compartían los pitillos y pipas para usar el crack/cocaína y también por la pérdida de conciencia. Dichos factores favorecieron no utilización condón durante las relaciones sexuales con sus múltiples parejas. Los resultados contribuyen para que la enfermera trabaje con metodologías dialógicas y participativas como las de Paulo Freire, a fin de fomentar la reflexión crítica del profesor y del alumno hacia la prevención de ITS/SIDA en usuarios de crack/cocaína.

ESCRITORES: Enfermería. Educación en salud. Síndrome de Inmunodeficiencia Adquirida. Adolescente. Cocaína crack.

INTRODUCTION

Crack use has become one of the major public health problems over the past 25 years in several countries, including Brazil. This drug emerged between 1984 and 1985, in poor and marginalized neighborhoods of Los Angles, New York and Miami. At the end of the 1980s, the first evidences of increased risk of infection with Human Immunodeficiency Virus (HIV) in crack¹ users emerged.

In Brazil, the use of crack began around the 1990's and it was restricted to the city of São Paulo. In 1994, the Unified Health System (SUS) officially inserted Harm Reduction (*Redução de Danos*, RD) in the country as a public health strategic policy. As an initial axis, it consisted in a set of practices directed to the prevention of AIDS and viral hepatitis to the transmission of the virus in vulnerable stigmatized groups through the exchange of contaminated needles and syringes in the use of injected drugs.² Thus, many intravenous drug users changed their habits, sticking to crack because they consider it "safer" regarding HIV/AIDS.³⁻⁴

A Brazilian study with crack users in 2013 revealed a prevalence of 4.97% of HIV infection amongst crack and/or similar drug users, about eight times the HIV prevalence estimated for the general Brazilian population. In addition, about 1/3 of these users are concentrated in the 18 to 24 years age group and are predominantly male.⁵

In this scenario, it is important that prevention strategies among drug users are not restricted to the change of risky behavior related to drug use, but also to change in risky sexual behavior. The use of crack is directly associated with HIV infection and risky behaviors, such as the high number of partners, unprotected sex and the sex trade for crack or for money to buy the drug. ⁶

In this sense, the behavioral change related to drugs and HIV/AIDS can be established by the awareness arising from the health education process. This process demands that health professionals - especially nurses for their relationship with this practice – take a closer look at these youngsters' reality, to reflect about their role as educators and to develop an environment focused on learning and on subject's autonomy.⁷

Therefore, the following question emerged: how can nursing develop preventive actions against

HIV/AIDS among young crack users? In this context, the nurse should offer guidance to youngsters regarding available alternatives for healthier attitudes in a broader sense.

Thus, this study aimed at promoting, through Cultural Circles, a critical-reflective space concerning HIV/AIDS prevention along with young crack users.

METHOD

This is a descriptive and exploratory study with qualitative approach, using action research.⁸ Participants were ten young crack users, who attended a reference therapeutic community, in a Northeastern capital of Brazil. The inclusion criteria were used to select the subject as follows: males, users of the treatment unit for chemical dependents, reportedly having made use of crack. The young age group adopted was the one indicated by the International Labor Organization that states youngster as individuals between 15 to 24, since the internment center is exclusive to males over 16 years.⁹

Information were produced from January to September 2012, through participant observation, field diary, video recording and the stages of the Cultural Circle.

The teaching approach of the Cultural Circle, by Paulo Freire replaces the idea of a "group of students" or a "classroom" by experience, which aims to rise to an education that emphasizes dialogue. The "circle" means that everyone is a team with no teacher, but an animator, who coordinates the debates, seeking the active participation of all in the educational process.¹⁰

The six Cultural Circles implemented followed the theoretical methodological steps by Paulo Freire, adapted to reach the proposed goals: discovery of prior knowledge, selection of words within the context of the young, creation of existential situations that were typical of the group and preparation of cases to help with he dialogue and to facilitate (de)construction and (re)construction of new knowledge.

Each Circle occurred in three stages: during reception, the discovery of the universal vocabulary of crack users, by using group techniques like modeling, painting, drawings, STD/AIDS game, videos, aiming at allowing the participants to speak about their expectations, knowledge and previous

circles. Questioning was done through group techniques such as drama, parodies, texts and videos with questions that stimulate the critical reflection on reality. In the assessment, a synthesis took place of what was experienced in each circle, taking place through self-assessment, where participation, interest, motivation and group understanding of the content, as well as the facilitator performance, were assessed.

Data description and analysis consisted in the transcription of the shooting material, registering all speeches in their entirety, and noting the information in the field diary and the sequence of Cultural Circles. The group evaluated the interpretation of results, according to the researcher's experience and through the dialogue with the theoretical foundations of Paulo Freire method, considered relevant and enriching for the critical study of the popular speech.¹⁰

The study followed the ethical and legal aspects of research involving human subjects¹¹ and was approved by the *Universidade Federal do Ceará* Ethical Research Committee, Protocol number 303/11. The Informed Consent Form was signed by the youngsters and their guardians. Youngsters were identified by the term user (U), followed by the order of their speech.

RESULTS

Six Cultural Circles were performed for the dialogue on HIV/AIDS, entitled: Knowing young people's experience with drugs; Youth vulnerability to HIV/AIDS as drug users; The relation between AIDS and drugs; Serious talk about prevention of

HIV/AIDS; What did we learn about AIDS?; and Synthesis of what was experienced.

The first circle aimed at learning the vocabulary universe of the participants. Generating words related to drugs and vulnerability was used. At this first meeting, the need for continued education with these young people was evident, to promote reflection on drugs and its complex relationship with several factors surrounding this issue, including HIV/AIDS.

The second circle included discussions that were raised in the previous circle, when it was identified that some of them did not recognize or did not know if they were vulnerable to HIV/AIDS for being crack users, although the majority were aware about this relationship. Then, the third circle showed the participants that all sexually active people are vulnerable to the spread of HIV/AIDS and therefore all must prevent it; the effects of peer pressure were also shown.

During the circles, little knowledge of the group on the theme was evidenced, which led to the planning of the fourth circle with deeper issues about the disease. The fifth circle was designed to consolidate the knowledge about HIV/AIDS through recreational activities that allowed participants to socialize the knowledge learned in the previous circles. The sixth and final circle was a retrospective of all previous circles done through a painting by the youngsters.

Table 1 shows the description of the dynamics and activities of the six Cultural Circles and their relationship to the moments of reception, questioning and evaluation.

Table 1 - Association of Cultural Circles with moments of reception, questioning and evaluation, Fortaleza-CE, Brazil, 2013

Cultural Circles	Reception	Questioning	Assessment
First Circle: Knowing	Presentation dynamics;	Construction of a panel, divided into four	Oral
young people's experi-	Explanation of Circles' aims.	parts: 1- A reason that prompted you to use	
ence with drugs		drugs; 2- Why young people use drugs?;	
		3- What other resources could be used to	
		achieve the same objectives? 4- Creation of a	
		drawing based on the question: What were	
		the sensations/effects they felt when they	
		were using drugs?	

Cultural Circles	Reception	Questioning	Assessment
Second Circle: Youth vulnerability to HIV/ AIDS as drug users	Reflections on the vulnerability to HIV/AIDS as a crack user.	 1 - Video about the effects of crack in the body. 2 - Video on what is HIV/AIDS. 3- Conversation circle about the videos. 4 - Based on the video discussions, create a role play. First situation: drug use and HIV contamination; Second situation: drug use and HIV non-contamination. 	Writing
Third Circle: The relation between AIDS and drugs	Signature search dynamics. Technique about HIV transmissibility; Ask participants to think of an advice they would give to a friend who is a drug user to prevent him from HIV.	1- Modeling: making sculptures based on this question: what do you know about STD/HIV/AIDS and their relationship with drugs? 2-Video about AIDS. 3- Game: sex, drugs and rock 'n' roll.	Oral
Fourth Circle: Serious talk about the prevention of HIV/AIDS	What do we know about HIV/AIDS? 1 - Three groups are formed: I (Forms of transmission); II (AIDS can be caught); III (AIDS is not caught); 2 - Educational video about prevention, followed by discussion.	1 - Wearing the condom dynamics: focus on knowing the condom and learning how to use it correctly. 2 - Domino-style game about the knowledge of the body and STD/AIDS prevention with power point presentation.	Oral
Fifth Circle: What did we learn about AIDS?	Requested participants to draw or make a collage of images representing STD/AIDS for them.	Show the Prevention Rap video to stimulate the creativity of creating a song, a poem or parody on STD/AIDS prevention in drug users.	Oral
Sixth Circle: Synthesis of what was experienced	Individually, each participant makes a retrospective of the Circles through a painting on canvas.	 1- How could participants assist in the continuation of this work for the prevention of HIV/AIDS? 2- What do they think are the most effective educational strategies for working with young people in schools? 	Oral

Table 2 presents the testimonials of crack users for each Cultural Circle experienced.

Table 2 - Description of testimonials of crack users and its relation with the reception, questioning and evaluation moments of Cultural Circles, Fortaleza-CE, Brazil, 2013

Cultural Circles	Testimonials from crack users
First Circle: Know-	Reception : young people reported the importance of getting to know each other better.
ing young people's	Questioning: I started using drugs out of curiosity (U3); friends offered me at parties, then I accepted
experience with	(U4). U3: Friends who use it and make you use too and I had cousins who used it as well. U5 cited parents:
drugs	many people have parents who use it, especially the father, father drinking. U7: I used it to build up the cour-
	age to get closer to the girls, to lose shyness; the drunk guy dances any music (U5). U5 started: to get closer
	to the girls, we can train it before in front of the mirror; U1 added: to dance, it is important to enter the
	dance class (U4). U4 described his drawing this way: I was here; I was at home just looking at the light
	from lampposts, annoyed. U3 said: I was always at the beach, so when I went to the parties in the clubs, and
	I used cocaine and ecstasy, I kept seeing waves, fish, and things flashing all the time.
	Assessment: participants liked it and felt the need to tell what they have learned to other fellow
	internees.

Cultural Circles	Testimonials from crack users
Second Circle: Youth Re	Reception : I don't think there is this relationship between drugs and HIV because the drugged person is
	ware of what is doing (U8); I think so, in the case of injecting drugs (U10); we are vulnerable because there
	re women who prostitute themselves to use drugs, and the person who is not infected will use this woman,
	nd ends up infected too (U1).
	Questioning: I did not know I could have had aluminum intoxication, because I smoked crack (U4); this
	ygiene issue is serious, we don't even remember to take care (U7); we really stop wanting to eat, actually,
we	be do not feel hungry (U3). U2 was the one who reported to have had an STD: I got an STD only
on	nce, which people call "esquentamento" (gonorrhea), but the doctor gave me some medicine there and an
	ijection. How do you do this HIV test? What kinds? (U5) what's the difference of HIV and AIDS? (U1);
	he person does not die of AIDS, he dies because of opportunistic diseases (U3); now I got worried thinking
	nat the pipe I smoked crack with, if I shared, I could have caught HIV (U6).
	Assessment: it was very nice, and it's because we don't have experience, but next one will be even better
	U5). It was a lot of fun, while we were learning, we were laughing a lot with the colleagues' performances
	U10). I loved it today, when it's the day you come, we wake up at 5 in the morning (U5).
	Reception : "I felt very happy not to have signed on U3 card, I felt relieved (U7). I'm reflecting now that I
	ot infected real quick, trusted a friend and signed it, next time I will be more careful (U8). U5 started: I
	pould tell him to be careful with these prostitutes, and always get protection using condoms; U3 contin-
	ed: I would tell him to stop using drugs.
	Questioning: A boy and a girl who are having intercourse and then will use drugs. In the sculpture, there
	re also a straw and a plate with powder inside, which illustrates the use of cocaine (U3). U5 modeled ne sexual intercourse between the couple that was surrounded by the question if they should use
	ondoms or not, which is what makes the person vulnerable to STDs.
	Assessment: Today was very productive, and even more than that, we're the happiest internees from 2012
	U5); everyone is looking forward to every encounter because we always learn something new and share the
1	ame problems with the colleagues (U4).
	Reception : Is anal sex more dangerous than vaginal sex? (U2) Is it true that there is the HIV virus in
	reast milk, so the mother cannot breastfeed, not once? (U7); if the person has only one vaginal intercourse
	oith an HIV woman, does he contract it too? (U10).
	Questioning: most young people did not know protection with condom, not even how to open
	s, since most of the times, it was the partner who "tore" it with the mouth. During the game, a
	emale prosthesis was used to explain where the clitoris, urethra and vagina of the woman are
	ocated. Participants were quite curious, especially those who had not had sexual intercourse.
	Assessment: If anything appears on me now, especially in the genital region, I will go to the clinic because
	nost of these diseases have treatment (U5); if I know that a friend of mine has HIV, I won't be afraid of him
	nymore, I will help him to do the treatment because I know I'm not going to get it (U6).
	Reception : It is an image of a "caipirinha" (cane spirit drink), which contains alcohol, then when the per-
	on drinks it she doesn't know what to do, and ends up messing up, and then sex always comes up, and the
	TD/AIDS are in this context; U2 explained his drawing; I glued three figures together, a couple having
	ex, then a many little tubes with blood, which represent the HIV test that the person who has sex without
1	condom should do, and in the third figure there are several dead bodies, that is the result of those people tho do not do the treatment.
1	Questioning: There were four group presentations:
	Group 1- Parody:
	IDS I catch you without condoms, AIDS I get you foxy, At the party, a few drinks, practice safe sex, AIDS
	atches you without condoms, AIDS I get you foxy [Parody of the song "Se eu te pego", authored by
	Aichel Teló].
	Group 2 - Rap 1:
	<i>Ay friend listen to me, STD is easy to avoid, I tell you that.</i>
	s just using the condom and you will not contract
	you don't use it, ill is what you to get.
Bı	ut look for treatment to faster healing in fact.
If	you don't find it, death will find you I bet.
A	Assessment: youngsters have demonstrated confidence about the knowledge of safe sex through
	ne songs that they created and sung.

Cultural Circles	Testimonials from crack users
Sixth circle: Synthe-	Reception : In my painting, I put the AIDS symbol. It's a disease that I now have the confidence to talk
sis of what was expe-	about, and to do what is right about (U7) I drew a condom, which I know everything about; the search for
rienced	the clinic to treat any STD, and the syringe shared among injection drug users that transmits the HIV
	virus (U2).
	Questioning : U5 began saying: What I learned, I'm already sharing with my colleagues in the therapeu-
	tic community; U6 added: I already knew a few things, but I learned a lot more, and this way I'm going to
	open their eyes about the dangers that the crack may cause by facilitating the transmission of HIV, it needs
	to be passed on (U1). U2 initiated: beyond the information on drugs, that I find important, what is really
	shocking is you showing the images of before and after the use of the drugs, how the person is all bones; U9:
	we didn't have the idea that one day we would be like this. U7 complements: at school I had no guidance,
	in fact, what they do there is offer drugs.
	Assessment : facilitators exhibited a thank you video to the youngsters for every moment, for the
	learning and exchange of experiences carried out, while the participants concluded that the circles
	were very beneficial, fun and full of learning.

DISCUSSION

When asked about the reasons that led them to try drugs, most participants said that use happened under the influence of friends. Curiosity, parents and other family members who use drugs were also reported. Similarly, studies have shown that friendship with others who use some kind of drug increase the possibility of the youngsters using it. In addition, they stated that they tried drugs because of misinformation, curiosity, dissatisfaction with life, when one of the parents use drugs or when they discuss too much with parents.¹²⁻¹³

A Brazilian study with crack users pointed out the reasons which led them to use it for the first time, and more than half of the users in Brazil said that such use happened due to the curiosity they had to experience/feel the drug effect (58.28% [IC95%: 55.21-61.28)]. Family problems or affective losses were the main reasons for the early use of crack, reported by 29.19% of users (IC95%: 26.67-31.84), and the pressure/influence of friends was reported by 26.73% (IC95%: 23.94-29.72) of users.⁵

Regarding the sensations or effects they felt when using drugs, especially crack, the reports of youngsters of this study corroborate with specialized literature. Thus, the initial phase of euphoria, the most desired by users, was observed to have the following characteristics: increased alertness, well-being and self-confidence sensation, euphoria, and increased libido, which in this research was converted in attitudes towards girls. Psychiatric symptoms, such as delusions and hallucinations¹⁴ were the most frequently reported by youngsters.

None of them reported knowing aluminum intoxication because of the use of crack, given that when cans of soda or beer are used to smoke the stone, aluminum may detach from it and be inhaled along with the smoke. Consequently, aluminum ends up into the bloodstream and distributed throughout the body, causing brain, bones and kidneys damage.¹⁵

Concerning AIDS, similar studies worked on HIV/AIDS prevention with youngsters that belonged to religious groups and with street children. It discussed the same issues pointed out in this study: the difference between HIV and AIDS, opportunistic diseases, their transmission and prevention, the myths and taboos, diagnostic tests, the origin of this disease. These are relevant matters to the theme of HIV/AIDS, which are refined for each specific population studied.¹⁶⁻¹⁷

Regarding prevention of HIV, their advice to a friend who is a drug user included answers related the use of condoms in all sexual relationships and only one participant mentioned that the friend should stop using drugs. Even after the content was discussed, although not in depth, it was clear that they thought that virus transmission was sexual only.

It was noticed during the circles that only one participant mentioned the relationship between sexually transmitted diseases/AIDS and drugs. However, most spoke inarticulately, either only of STDS, or focusing on condom use, demonstrating not to know how drugs affect HIV infection. Also, the study with street children showed that, while under the influence of drugs, they reported being unable to take on responsible sexual behavior, like the young people from our study.¹⁷

A Brazilian study with crack users corroborates with the previous one and signals that most of the users were street children in the 30 days preceding the survey (39.04% [95% CI 34.18 -44.14]), which

is an aggravating, sometimes decisive, factor concerning the risk of contracting transmissible infectious diseases. Most of the users who had vaginal sex during the 30 days prior to interview did not use a condom in at least one of these intercourses (64,15% [IC95% 60,71-67,45]). Inconsistent use of condom, when having oral and anal sex, was also fairly high with proportions of 79.05% (IC95% 75.63-82.10) and 62.00% (IC95% 57.38-66.41), respectively, of non-use of condom in any of these sexual relationships.⁵

Among educational strategies used in this study, the role-play was the best and funniest way to learn, according to the evaluation done by users. The challenge to plan and present them was quite motivating and, at the same time, marked by several difficulties, regarding the resourcefulness of staging the plays, including the puppets. The youngsters requested educational videos, since the image caused greater impact on their minds than just words and it helped in memorization, which was slightly impaired due to crack use. In a study developed with street boys, they also performed the role-play as a way of learning to talk about risky behavior and safe behavior on STD/HIV/AIDS.¹⁷

Educational games were also used in this study. The domino-style game was one of them, from *Projeto aids: educação e prevenção* (AIDS Project: education and prevention). It was also used by another author, in his study with teenagers, which confirms this as a strategy of health education towards prevention of STD/HIV/AIDS in helping the educational phenomenon, through a combination of information, debate, reflection, mutual influence and group participation.¹⁸

It is clear that approaching HIV/AIDS issues with young people is very complex, mainly because it is an issue that involves their intimacy. However, dynamic and ludic devices relating to their reality were used, so that they could feel comfortable and participate spontaneously, without fear or shame of colleagues. In the end, everyone built knowledge collectively.

In face of those creative and reflective actions, the moment has come to start active subject participation research, using nursing pedagogical strategies to strengthen it, as well as the implementation of guidelines for human well-being through different techniques and methods.

Educational action with dance and/or music as mediator when addressing issues of interest for youngsters; such as sexuality, puberty, and STD/

HIV/AIDS prevention allowed them to rediscover the perception of risk and vulnerability in which they were in.¹⁹

Thus, teaching and learning cannot take place away from demand, away from beauty and joy. The educational practice includes all of that: affection, joy, scientific capacity, technical domain in service of change, or, unfortunately, because of today's permanence.²⁰ Education that enhances care should be incorporated into the practice of nursing, striving for better quality of life.

FINAL CONSIDERATIONS

Young people in the study demonstrated incipient and inarticulate knowledge with myths about the prevention of STD/AIDS. They also reported never using injected drugs; however, they acknowledged that they still consider themselves vulnerable to STD/AIDS, since sharing of straws and pipes to use cocaine and crack, respectively, and the loss of consciousness or judgment may have favored the non-use of condoms during sex and having multiple partners. These youngsters' friends were the main influencers on their decision to try drugs.

On each Circle, the use of several recreational activities such as painting, role-play, modeling, games and domino used, as well as the videos displayed, enabled the process of "decision-making" provided by critical thinking development, favoring a broader view of the reality in which they are inserted. The nurse, by using creative and active dynamics throughout the teaching-learning process, enabled reflections on the search for solutions for problematic situations experienced interactively.

The study contributes towards scientific knowledge and nursing practice, as no previous work addressed the intervention with drug users in an inclusive manner, using strategies integrating various activities, including ludic ones. With the exploration of the drug theme, it was noticed that most researches are carried out by doctors and psychiatrists and are of quantitative nature. Regarding nurses, most studies discussed the knowledge of nursing students on drugs and how nursing education prepares students for this topic.

In this research, the real situation of risk and vulnerability in which these young men found them were identified. In addition, it showed several health education activities carried out with them, and for them, which facilitated the awareness process concerning STD/AIDS within this specific population. With the help of the participants, an educational proposal was designed to be used with other youngsters or children who are in school and who have not yet had contact with drugs, i.e. preventive work, created with people who are already on the other side of the process, in treatment stages, but recognize the seriousness of the problem.

It is important to note the limitations of this study, namely: the young people did not have reflective practice in its continuous treatment process, often wanting to remain passively; and the lack of continuity of educational activities in order to monitor subject's transformation process.

It is necessary that nurses, as promoters of youth health, approach their reality through discussions on topics that are not often recognized by young people as important, in order to build adequate autonomy towards the promotion of health.

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