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ORIGINALES

Influential risk factors in consumption of psychoactive substances in university students in times of COVID-19

Factores de riesgo influventes en consumo de sustancias psicoactivas en estudiantes universitarios en tiempos de COVID-19

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ABSTRACT:

Introduction: The consumption of psychoactive substances has become a public health problem, having great consequences on the health, economy, academic performance, family, and social coexistence of the consumer.

Objective: To determine the risk factors influencing the consumption of psychoactive substances in university students during COVID-19.

Materials and Methods: Research with quantitative correlational, cross-sectional descriptive type, with a sample of 272 university students of a University of Barranquilla of the Nursing program of fourth, fifth, sixth, seventh, and eighth semesters. The instrument used was a virtual survey divided into five sections, comprising identification and sociodemographic data, individual, sociocultural, family, and psychological factors.

Results: In the statistical analysis, the predominant sex was female with 69%, and 74% of them aged 17-20 years. Seventy-nine percent stated that they had consumed psychoactive substances, and 58% indicated that the type of psychoactive substance they had consumed for the first time was alcohol.

Discussion: In contrast to a study conducted by Fernández et al, in 2021, it was found that the frequency of consumption of psychoactive substances in the students of the Simón Bolívar University was higher with a percentage of 74%, on the other hand the study in question only 41.8% consumed some type of psychoactive substance (alcohol, tobacco, etc.). Through the research carried out, it was possible to evaluate each of the factors that significantly influence the consumption of psychoactive substances, taking into account each of the variables evaluated (sociodemographic, consumption, individual, family, psychological, sociocultural) in times of COVID-19.

Key words: COVID-19, Substances, Psychoactive, University Students, Risk Factors.

RESUMEN:

Introducción: El consumo de sustancias psicoactivas se ha convertido en un problema de salud pública, teniendo grandes consecuencias en la salud, economía, rendimiento académico, la convivencia familiar y social del individuo consumidor.

Objetivo: Determinar los factores de riesgo que influyen en el consumo de sustancias psicoactivas en estudiantes universitarios en tiempos de COVID-19.

Materiales y Métodos: Investigación con enfoque cuantitativo, de tipo descriptivo correlacional, con una muestra de 272 estudiantes universitarios de una Universidad de Barranquilla del programa de Enfermería de cuarto, quinto, sexto, séptimo y octavo semestre. El instrumento utilizado fue una encuesta virtual estuvo dividida en 5 secciones, que comprenden la parte de datos de identificación y sociodemograficos, factores individuales, socioculturales, familiares y psicologicos.

Resultados: Realizando el análisis estadístico, predominó el sexo femenino con 69%, y las edades 17-20 años con 74%. El 79% afirmaban que sí habían consumido sustancias psicoactivas y 58% indicaban que el tipo de sustancia psicoactiva que habían consumido por primera vez era el alcohol.

Discusión: En contraste con un estudio realizado por Fernández et al, en el 2021, se encontró que la frecuencia de consumo de sustancias psicoactivas en los estudiantes de la Universidad Simon Bolivar es mayor, con un porcentaje del 74%, por otro lado, el estudio en mención solo el 41.8% consume algun tipo de sustancia psicoactiva (alchohol, tabaco, etc). A través de la investigación realizada permitió evaluar cada uno de los factores que influyen de manera significativa en el consumo de sustancias psicoactivas teniendo en cuenta cada una de las variables evaluadas (sociodemográficas, de consumo, individuales, familiares, psicológicas, socioculturales) en tiempos de Covid 19.

Palabras clave: COVID-19, Sustancias, Piscoactivas, Universitarios, Factores de Riesgo.

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INTRODUCTION

The use of psychoactive substances (PAS) has become one of the main issues of concern in the present times, as it not only affects the user, but also the society as a whole⁽¹⁾. Nowadays, psychoactive substance use is considered a public health concern, with major consequences for the consumer's health, financial situation, academic performance, family, and social lives⁽²⁾. Drug use leads to dissatisfaction, demotivation, low self-esteem, poor social, and interpersonal relation skills among adolescents, which are psychological risk factors that diverts them toward the use of legal and illegal PAS as a way out for their frustrations and sorrow⁽³⁾.

Approximately 269 million people worldwide used drugs during 2018, meaning a 30% increase compared to consumption in 2009; whereas, over 35 million individuals suffer from drug-use related disorders, according to the latest World Drug Report published by the United Nations Office on Drugs and Crime (UNODC)⁽²⁾. Psychoactive substance use among Colombian university students is considered a public health issue due to its prevalence and rising trend⁽⁴⁾.

In Colombia, the lifetime prevalence of an illegal or legal psychoactive substance among university students was $29.3\%^{(5)}$. Likewise, their prevalence last year was 13.5%, with marijuana being the most widely consumed illegal psychoactive substance (11.5%), followed by cocaine and/or its derivatives (2.9%), and by any kind of synthetic drugs (1.7%), especially lysergic acid diethylamide (LSD) and ecstasy. In the fourth place is the use of inhalants, with a prevalence of 1.4% over the last year⁽⁴⁾.

During COVID-19, after reviewing the research and the information provided by different sources, both national, such as the Health Insurance Fund Administrative

Institutions (IAFA, by its Spanish acronym), and international, i.e., the National Institute on Drug Abuse and the Inter-American Observatory on Drugs (OID, by its Spanish acronym), the major concern does not lie on the increase in consumption resulting from the confinement, despite knowing that individuals are under strong stressors, such as isolation, social fear caused by the pandemic⁽⁶⁾, lack of work or an unfavorable economic situation, instability, and virtually no face-to-face classes, but on the consumer's health condition and his/her contact with the SARS-COV-2 (severe acute respiratory syndrome) (type-2 coronavirus). As the use of PAS affects the central nervous system, and thus its whole functioning, the consumers are at risk⁽⁷⁾.

Based on the foregoing, in order to counteract this problem, the government approved the National Plan on Health Promotion and the Psychoactive Substance Use Prevention and Care⁽⁸⁾, in a nationwide effort to incorporate the public health approach into an intersectoral framework aimed at decreasing exposure to drug use and its subsequent impact on the Colombian population⁽⁹⁾. Therefore, it is of the utmost importance to conduct further research that allows for the timely identification and engagement when facing this problem, understanding its human dimension through the analysis, and description of the conditions associated to the psychoactive substance use, as well as knowing those risk factors that promote their abuse. To this end, the aim was to determine risk factors that exert an influence on the use of PAS among university students in times of COVID-19.

MATERIALS AND METHODS

This research project adopted a correlational, descriptive, and quantitative approach⁽¹⁰⁾, on a sample population consisting of students from a university in Barranquilla during COVID-19. After conducting a probability sampling⁽¹¹⁾, the total number of nursing students was 862. For sample selection purposes, the inclusion criteria considered students enrolled in the nursing program of a university located in Barranquilla, attending the fourth, fifth, sixth, seventh, or eighth semesters, within an age range of 17–35 years. Those students completing other university programs, or those enrolled in the first–third semesters were excluded from the study. A 5% error margin was considered for the sample estimation, in addition to a 95% confidence level, through the following formula:

n=
$$e^{\frac{z^2(p^*q)}{e^2 + (\frac{z^2(p^*q)}{N})}}$$

Using a sample calculator, and based on the formula proposed, a sample of 272 students was finally established. Quantitative tools were employed, as they allowed to obtain the information required to carry out this project⁽¹²⁾. The data (from primary and secondary sources)⁽¹³⁾ was collected from an online survey prepared by the authors in the Google Form virtual platform, through which the sociodemographic characteristics and the various aspects influencing psychoactive substance use, such as personal, family, psychological, and sociocultural factors, were assessed.

The instrument was divided into five sections and included personal and sociodemographic information, as well as individual, sociocultural, family, and psychological factors. For validation and comprehension purposes, a pilot test was

conducted on 30 students with the same characteristics who had enrolled in other university institutions, so as to identify whether the survey participants would understand its content. Once the pilot test was completed and yielded positive results, the online survey was officially launched with the informed consent included at the beginning, to provide the required authorization to participate in the project.

The Microsoft Office software program Excel was used to tabulate and collect information, which allowed for data consolidation, while the Strata program was employed in the correlational descriptive analysis. Furthermore, the Kruskal–Wallis test was performed when scattered distribution variables were found with regard to the average, in terms of social stratum and age. A chi-squared test was carried out for the correlation of qualitative variables such as gender, others' opinion, self-esteem problems, family maltreatment, domestic violence, influence of the social group on PAS use, and past bullying experience.

Ethical considerations followed resolution 8430 of 1993⁽¹⁴⁾, which establishes the scientific and technical standards for health research and classifies this study as a risk-free research. The study was accompanied by an informed consent and the importance of informing the participants in this study of the respect for their dignity, the protection of their rights, and wellbeing, was emphasized.

RESULTS

Table 1 shows the sociodemographic characteristics of nursing students from a university of Barranquilla in times of COVID-19. The predominant age group was 17–20 years, with a mean of 19.94 and a standard deviation of 19.15 Females were predominant, with the greatest participation being that of fourth-semester students, who were single and belonged to socioeconomic stratus 2.

Age	Number	Percentage
17–20	188	69%
21–24	77	28%
25–28	7	3%
media	19.94	
Desv. Est.:	19.15	
Gender		
Female	215	79%
Male	57	21%
Semester		
4	101	37%
5	58	21%
6	50	18%
7	34	13%
8	29	11%
Marital status		

Table 1. Sociodemographic characteristics of nursing students from a universityin Barranquilla in times of COVID-19

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Married	1	0%
Single	263	97%
Common-law marriage	8	3%
Socioeconomic strata		
1	65	24%
2	125	46%
3	53	19%
4	29	11%

Source: Data matrix of the instrument applied in the research

Table 2 shows the frequency of use of PAS among the enrolled nursing students. It can be observed that 74.2% of individuals consume some type of PAS, accounting for a total of 202 cases. The analysis also considered the consumption of legal substances in Colombia, such as alcohol and tobacco.

The majority of the population using PAS is within 18–22 years of age. Most students, both consumers and non-consumers, were attending the fourth semester, where the greatest proportion (28%) of students who used PAS can be found. 46% of which belonged to stratum 2, followed by those in stratum 1 (23.9%). It is important to establish whether the stratum is a critical determinant for the occurrence of the phenomenon (PAS use); nonetheless, it must be noted that the stratum variable confounds structures influencing the socioeconomic analysis, which cannot be measured only with the classification of the Colombian public services.

96.6% of the individuals under study were single; and since the study included only university population, the civil status of "married" or "common-law marriage" do not prevail, and therefore, associating this variable with use of PAS could result in aberration, as it might generate a wrong association between the marital status "single" and the others. Alcohol is the most widely consumed substance by both women and men, either alone or mixed with other substances.

As for the bivariate correlation between PAS use and age, stratum, and gender, a statistically significant difference between PAS use and the various socioeconomic strata included in the test has been observed. A p-value lower than 0.05 dismisses the null hypothesis that indicates that there is no difference in the means between the groups of interest, thus proving the dependent variable explanation (PAS use) instead of the independent variable (Socioeconomic stratum). Likewise, a p-value lower than 0.05 dismisses the null hypothesis, suggesting that the age differences account for PAS use or distributes cases into a specific age group. As for gender, a statistically significant association can be observed between the two variables; the p-value of 0.009 (<0.05) rules out the null hypothesis, concluding that gender significantly influences the possible use of PAS. We must consider that the sample was not homogenous, and therefore, values can be biased by the significant difference between male and female data.

Overall PAS use				
Psychoactive substance use	Frequency	Percentile	Accumulated value	
No	70	25.74	25.74	
Yes	202	74.26	100.00	
Age dis	tribution for PAS	users		
Psych	oactive substanc	e use		
Age	No	Yes	Total	
17	4	3	7	
18	24	39	63	
18	15	52	67	
20	11	40	51	
21	6	18	24	
22	3	32	35	
23	3	4	7	
24	3	8	11	
25	1	4	5	
26	0	1	1	
27	0	1	1	
	p = 0.	000		
PAS use per semester				
Psych	oactive substanc	e use		
Semester	No	Yes	Total	
4	44	57	101	
5	11	47	58	
6	10	40	50	
7	3	31	34	
8	2	27	29	
PA	S use per stratur	n		
Psychoactive substance use				
Stratum	No	Yes	Total	
1	29	36	65	
2	28	97	125	
3	28	46	74	
4	6	23	29	
	p = 0.	000		

Table 2. Frequency of psychoactive substance use among nursing studentsenrolled in a university from Barranquilla in times of COVID-19

Enfermería Global

Marital status and PAS use Psychoactive substance use

Marital status	No	Yes	Total
Married	0	1	1
Single	67	196	263
Common-law marriage	3	5	8

PA	S type and gend	er		
Gender				
Type of PAS used	Male	Female	Total	
Alcohol	27	118	145	
Alcohol, Tobacco	8	16	24	
Alc, Tob, Baz	1	0	1	
Alc, Tob, Mar	9	4	13	
Alc, Tob, Mar, Coc	1	0	1	
Alc, Tob, Mar	1	0	1	
Alc, Tob, Mar, Ecs	1	0	1	
Alc, Tob, Ecs	1	6	7	
Alcohol, Cocaine	1	0	1	
Alcohol, Marijuana	0	2	2	
Alcohol, Ecstasy	0	9	9	
Tobacco, Marijuana	0	1	1	
Marijuana	0	1	1	
None	7	58	65	
	are test gender–F oactive substand			
Gender	No	Yes	Total	
Male	7	50	57	
Female	63	152	215	
Total	70	202	272	
	p = 0	.009		

Source: Data matrix of the instrument applied to research assessed using the Strata program. PAS, psychoactive substance; Alc, alcohol; Tob, Tobacco; Mar, marijuana; Baz, bazuco; Coc, cocaine, Ecs, Ecstasy

Table 3 shows the individual factors of nursing students enrolled in the university, evincing that >50% of the students always know what they want in life, although sometimes they just follow the crowd. However, most stated that they sometimes take others' opinions into account when making decisions and, finally, 38% of students reported being true to their own choices, influenced by their mood.

Table 3. Individual factors that influence the use of psychoactive substancesamong university students in times of COVID-19

REALLY KNOWS WHAT HE/SHE WANTS	Number	Percentage
Sometimes	33	12%
Most of the time	84	31%
Never	8	3%
Always	147	54%
Total	272	100%
FOLLOWS THE CROWD		
Sometimes	145	53%
Almost always	5	2%
Never	122	45%
Total	272	100%
TAKE OTHERS' OPINIONS INTO ACCOUNT WHEN MAKING DECISIONS		
Sometimes	218	80%
Most of the time	3	1%
Never	48	18%
Always	3	1%
Total	272	100%
TRUE TO HIS/HER OWN CHOICES, TAKING INTO ACCOUNT HIS/HER MOOD		
Sometimes	58	21%
Most of the time	107	39%
Never	3	1%

Source: Data matrix of the instrument applied to research.

272

Table 4 shows the psychological factors of nursing students influencing PAS use, revealing that most students reported that, whenever they used psychoactive substances or lost control of their emotions was never due to the influence of others. Likewise, a large proportion of students suffer from episodic stress, which, according to the scale, would correspond to number 3. In addition, most nursing students declared having stress symptoms, such as anxiety, extreme fatigue, digestive problems, irritability, and headaches (48%), which indicates that students frequently suffer from episodic acute stress. On the contrary, students highlight that they never used or do not currently use any type of PAS to mitigate stress (79%). On the other hand, 51% of students reported feeling good with themselves most of the times, both physically and emotionally. However, 61% of the use of any type of psychoactive substance despite their situation.

Total

100%

PSYCHOACTIVE SUBSTANCE USE, DECISION OR INFLUENCE Number Sometimes 66	er Percentage
	24%
Most of the time 19	7%
Never 132	49%
Always 55 PSYCHOACTIVE SUBSTANCE USE WHEN LOSING CONTROL OF EMOTIONS	20%
Sometimes 62	23%
Most of the time 3	1%
Never 207	76%
STRESS SCALE (1–4)	
1 5	2%
2 85	31%
3 142	52%
4 40	15%
PRESENCE OF STRESS SYMPTOMS	
Nervousness, irritability, feeling tense all the 70 time, anxiety, bad temper (Acute stress)	26%
Anxiety, extreme exhaustion, digestive 131 problems, irritability, headaches (Episodic stress)	48%
Anxiety, insomnia, muscle pain, blood 71 pressure problems, asthenia, appetite changes (Chronic stress)	26%
PSYCHOACTIVE SUBSTANCE USE TO MITIGATE STRESS	
Sometimes 55	20%
Most of the time 2	1%
Never 215	79%
TYPE OF PSYCHOACTIVE SUBSTANCE USED	
Alcohol 29	11%
Tobacco 21	8%
Ecstasy 3	1%
Marijuana 4	1%
None 215	79%

Table 4. Psychological factors influencing the use of psychoactive substances by university students

SELF-ESTEEM (EMOTIONAL AND PHYSICALLY)		
Sometimes	57	21%
Most of the time	138	51%
Never	6	2%
Always	71	26%
LOW SELF-ESTEEM		
Sometimes	166	61%
Most of the time	24	9%
Never	76	28%
Always	6	2%
LOW SELF-ESTEEM RELATED TO THE USE OF PSYCHOACTIVE SUBSTANCES		
Sometimes	47	17%
Most of the time	2	1%
Never	223	82%

Source: Data matrix of the instrument applied to research.

Table 5 shows family factors of nursing students, revealing that most of the students had a good family relationship (55%) and not being victims of intrafamily violence (82%). However, 16% of the population surveyed declared to have suffered emotional violence. Consequently, 88% of students stated they have never used psychoactive substances as a result of these violence factors.

Table 5. Family factors influe	ncing the use o	of psychoactive	substance among
university students			

FAMILY RELATIONSHIP	Number	Percentage
Good	150	55%
Excellent	77	28%
Poor	7	3%
Average	38	14%
HAS BEEN A VICTIM OF SOME KIND OF ABUSE		
Physical abuse	5	2%
Psychological abuse	76	28%
None	191	70%
HAS BEEN A VICTIM OF SOME TYPE OF VIOLENCE		
None	222	82%
Emotional violence	43	16%
Physical violence	5	2%
Sexual violence	2	1%
PAS USE IN VIOLENT CIRCUMSTANCES		
Sometimes	32	12%

2	1%
238	88%
26	10%
3	1%
1	0%
1	0%
1	0%
240	88%
	238 26 3 1 1 1 1

Source: Data matrix of the instrument applied to research.

Table 6 shows the sociocultural factors of the nursing students. It can be observed that most nursing students surveyed reported to have never been influenced to use a psychoactive substance (50%) by their social circle, nor have been intimidated to the extent of having used psychoactive substances (73%). In addition, the individuals surveyed declared to have sometimes been bullied (50%), with the emotional type prevailing (18%). As a result, 70% of students indicated that having been bullied on some occasion has never affected their interpersonal, family, or even their own relationships. To conclude, evidence suggests that bullying can be considered as a trigger factor for university students to begin using some type of psychoactive substances (46%).

As for the bivariate correlation, factors such as considering others' opinion when making decisions, being mistreated by their own family members, suffering from domestic violence, having low self-esteem, and being influenced by their social group are statistically significant determining factors that plausibly explain the use of psychoactive substances, with a chi-squared test and a p-value under 0.05. However, PAS use is not associated with being bullied, a factor that, with a p-value of 0.27, does not dismiss the null hypothesis; therefore, the statistical evidence is not enough to establish whether this phenomenon is related to the use of a psychoactive substance.

		
INDIVIDUALS IN THEIR SOCIAL CIRCLE THAT INCITE THEM TO USE PSYCHOACTIVE SUBSTANCES	Number	Percentage
Sometimes	131	48%
Most of the times	5	2%
Never	136	50%
INDIVIDUALS BEING INTIMIDATED INTO USING PSYCHOACTIVE SUBSTANCES		
Sometimes	72	26%
Most of the times	1	0%
Never	199	73%
BULLYING		
Sometimes	135	50%
Most of the times	4	1%
Never	131	48%
Always	2	1%

Table 6. Sociocultural factors	influencing the	he use of psychoactive substances	,
among university students			

TYPE OF BULLYING				
Cyber bullying	34	13%		
Emotional	49	18%		
Physical	17	6%		
None	131	48%		
Verbal	41	15%		
AFFECTED BY BULLING IN THEIR INTERPERSONAL RELATIONSHIPS				
Sometimes	77	28%		
Most of the times	4	1%		
Never	190	70%		
Always	1	0%		
BULLYING RELATED TO THE USE OF PSYCHOACTIVE SUBSTANCES AMONG UNIVERSITY STUDENTS				
Sometimes	124	46%		
Most of the times	62	23%		
Never	53	19%		
Always	33	12%		
BIVARIATE CORRELATION				
VARIABLE	P-value			
Others' opinion	0.002			
Low self-esteem	0.000			
Family mistreatment 0.000		000		
Domestic violence	0.019			
Influence of the social group to use PAS 0.000		000		
Previous bullying experience	0.2	278		
Courses Date matrix of the instrument annlied to reasonab				

Source: Data matrix of the instrument applied to research.

DISCUSSION

This study established risk factors that influence the use of various psychoactive substances among nursing students from a university of Barranquilla in times of COVID-19. Based on the results obtained, the sociodemographic characteristics suggest that 69% of participants lie within the 17–20 years of age, the largest interval of the population under study. These data are consistent with those found in a study by Córdoba et al.⁽¹⁵⁾, in which students aged 18–25 years constituted the largest population (87.2%). Regarding the gender variable, women are the predominant group among the nursing students participating in the survey (79%), which is contrary to the results found in the aforementioned study, in which 55% students surveyed were men⁽¹⁵⁾.

As for the number of students who took part in this study, it could be observed that the greatest proportion of individuals surveyed is women (79.6%), and students who were on their seventh semester of their degrees (27.4%). Similar data were found in the study conducted by Enrique Fernandez Hernandez et al.⁽¹⁶⁾, in which participants were mostly women (79%), although, in terms of semesters, most participants were completing their fourth semester (37%), a finding that is inconsistent with our study⁽¹⁶⁾. As for the frequency of consumption, alcohol was found to be the most frequently used PAS (53.3%, 145 individuals), which is in line with the information obtained by Blanco

Guerrero's research⁽¹⁷⁾. The latter stated that alcohol is the most frequently consumed substance (81%), although this study highlights the combination of alcohol with other substances such as bazuco, marijuana, and cocaine, among others.

It is important to conduct other studies aimed at determining the impact of alcohol consumption on the life of students, as it is a substance most of the participants in this study reported using as a psychoactive substance or with combinations with other drugs. Therefore, it is crucial for public health authorities to provide recommendations with regard to consumption prevention and promotion and the presence of positive remarks among adolescents; however, it is also important to consider the cultural structures that may give rise to this phenomenon.

Regarding the personal factor variables, the influence of interpersonal relationships is noticeable when nursing university students make decisions (53%). They sometimes considered outside opinions, as opposed to the findings in the study carried out by González Trujillo and Londoño Pérez⁽¹⁸⁾. As for psychological factors, it was noted that 76% of the students surveyed never resorted to the use of psychoactive substances whenever they lost control of their stability, unlike in the study by Meléndez Mejía⁽¹⁹⁾, which reported that 69.87% of the participants presented psychopathological symptoms or emotional states that induced them to use PAS.

On the other hand, with regard to family factors, where building a healthy bond since childhood is crucial for developing upright and peaceful adults, the results show that 55% of the students surveyed have a good relationship with their family, conversely to what was found in the study conducted by Reyes Ruíz et al.⁽²⁰⁾, which reported that 62% of students have a chaotic relationship with their family; in other words, there is a deficient parental control or it is erratic or ineffective resulting in PAS use⁽²⁰⁾. Similarly, another contrasting finding by Rojas Piedra, Talia et al⁽²¹⁾ was that in their study, students stated that the most influencing factor for their PAS use was the relationship with their friends, family problems, and their desire to escape from reality, as they considered that drug consumption was a way out and a temporary relief from their personal, family, or social problems.

Among the sociocultural factors, bullying is considered a trigger for consumption, as results show that 46% think that bullying has sometimes led adolescents to use psychoactive substances, which is in contrast with the findings in the research conducted by Meléndez Mejía⁽¹⁹⁾, where social or peer pressure stood out as a highly influential sociocultural factor. This is due to the fact that the study found that 69.57% of participants had begun using psychoactive substances after being influenced by social or peer pressure.

The research conducted allowed us to assess each of the factors that significantly influenced the use of psychoactive substances among nursing students that were in fourth–seventh semesters during COVID-19, thus fulfilling the purposes of this study. In particular, the population under study was characterized through variables such as gender, age, and socioeconomic stratum, and found that most of the individuals surveyed were women, aged 17–20, who belonged to socioeconomic stratum 2.

CONCLUSIONS

To conclude, the establishment of the various individual, psychological, cultural, and social factors that influence the use of psychoactive substances among university students allows us to understand that there is a need for developing prevention activities by university institutions. Therefore, it is essential for said institutions to adopt educational strategies that promote emotional intelligence, which in turn will allow students to identify, understand, and control their emotions, helping them avoid maintaining difficult interpersonal relationships and suffering from mood disorders that may contribute to the use of psychoactive substances.

REFERENCES

1. Vega LES, García LF, Llanos ABJ. Apoyo familiar percibido y proyecto de vida del alumnado inmigrante de Educación Secundaria. Rev Educ. 2016 Apr 1;2016(372):35–58. Disponible en: https://dialnet.unirioja.es/servlet/articulo?codigo=5399639

2. Informe Mundial sobre las Drogas 2020 de la UNODC: el consumo global aumenta a pesar de que el COVID-19 tiene un impacto de gran alcance en los mercados mundiales de drogas [Internet]. [cited 2021 May 16]. Available from: https://www.unodc.org/mexicoandcentralamerica/es/webstories/2020/06_26_Informe_Mundial_Drogas_2020.html

3. Norma C. Aguirre-Guiza, Olga B. Aldana-Pinzón y Claudia P. Bonilla-Ibáñez. Factores familiares de riesgo de consumo de sustancias psicoactivas en estudiantes de una institución de educación media técnica de Colombia [Internet]. Rev. Salud Pública. 19 (1): 3-9, 2017 [cited 2021 Apr 21]. Available from: https://www.redalyc.org/articulo.oa?id=42250687002

4. Wilson Ruiz Orejuela. Wilson Ruiz Orejuela. Jorge Hernán Valencia García. Estudio Nacional de consumo 2019 [Internet]. 2019 [cited 2022 Feb 28]. Available from: https://www.odc.gov.co/Portals/1/publicaciones/pdf/estudio Nacional de consumo 2019.pdf

5. DANE. Encuesta Nacional de Consumo de Sustancias Psicoactivas (ENCSPA) [Internet]. 2020 [cited 2022 May 17]. p. 1–34. Available from: https://www.dane.gov.co/files/investigaciones/boletines/encspa/bt-encspa-2019.pdf

6. UEA. Comisión Interamericana para el Control del Abuso de Drogas (CICAD) [Internet]. 2021 [cited 2022 May 17]. Available from: http://www.cicad.oas.org/main/default_spa.asp

7. Alpízar-Jiménez L. El consumo de sustancias psicoactivas en los adolescentes en tiempos del Covid-19. The consumption of psychoactive substances in adolescents in times of Covid-19. 2021 May 12 [cited 2022 Mar 7];15. Available from: https://doi.org/10.17151/culdr.2021.26.32.11

8. DEFENSORIA. LEY 1566 DE 2012 [Internet]. 2021 [cited 2022 May 17]. p. 1–5. Available from: https://www.defensoria.gov.co/public/Normograma 2013_html/Normas/Ley_1566_2012.pdf

9. Social M de salud y protección. PLAN NACIONAL PARA LA PROMOCION DE LA SALUD, LA PREVENCIÓN, Y LA ATENCIÓN DEL CONSUMO DE SUSTANCIAS PSICOACTIVAS, 2014-2021 [Internet]. 2014. 2014 [cited 2021 Jun 7]. p. 33. Available from: http://www.odc.gov.co/Portals/1/publicaciones/pdf/consumo/politica-consumo/OD1012014-plan-nacional-prevencion-consumo-sustancias-psicoactivas.pdf 10. URBE. Capitulo III Marco metodológico. 2016 May 30 [cited 2022 May 15]; Available from: http://virtual.urbe.edu/tesispub/0095948/cap03.pdf

11. Salusplay. La Muestra y la Población de estudio | SalusPlay [Internet]. 2020 [cited 2022 May 15]. Available from: https://www.salusplay.com/apuntes/apuntes-metodologia-de-la-investigacion/tema-5-la-muestra-y-la-poblacion-de-estudio

12. Paradigmas de la Metodología de la Investigación [Internet]. [cited 2020 Mar 16]. Available from: https://es.slideshare.net/ug-dipa/paradigmas-de-la-metodologa-de-lainvestigacin

13. Rodrigo Guardia D. Fuentes de información | Colcha Urbana [Internet]. 2018 [cited 2022 May 17]. Available from: https://panurbis.wordpress.com/2018/08/27/fuentes-de-informacion/

14. De Salud M. RESOLUCIÓN NÚMERO 8430 DE 1993 (Octubre 4) [Internet]. oct. 4. 1993 [cited 2020 Apr 11]. p. 19. Available from: https://www.minsalud.gov.co/sites/rid/Lists/BibliotecaDigital/RIDE/DE/DIJ/RESOLUCI ON-8430-DE-1993.PDF

15. Córdoba-Paz EG, Betancourth-Zambrano S, Tacán-Bastidas LE. Consumo de sustancias psicoactivas en una universidad privada de Pasto, Colombia. Psicogente [Internet]. 2017 Jun 5 [cited 2022 May 17];20(38):308–19. Available from: http://www.scielo.org.co/scielo.php?script=sci_arttext&pid=S0124-

01372017000200308&Ing=en&nrm=iso&tIng=es

16. Hernández CEF, Mendoza JS, Hernández MEC, Contreras EC, Santiago M de los ÁO, Hernández ODL, et al. Cuarentena por COVID-19, factor asociado al consumo de drogas legales en estudiantes de enfermería. Eur Sci J ESJ. 2021 Mar 31;17(10). Disponible en: https://eujournal.org/index.php/esj/article/view/14120

17. Luz Esperanza Blanco Guerrero. Factores psicosociales asociados al consumo de sustancias psicoactivas en estudiantes de la Facultad de Ciencias de la Salud de la Universidad de Santander UDES. Bucaramanga [Internet]. 2017 [cited 2022 May 17]. p. 1–124. Available from: https://repositorio.udes.edu.co/bitstream/001/664/1/Factores psicosociales asociados al consumo de sustancias psicoactivas en estudiantes de la Facultad de Ciencias de la Salud de la Bacultad de Ciencias de la Salud de la Universidad de Santander UDES.

18. Karen Lorena González Trujillo y Constanza Londoño Pérez. Vista de Factores personales, sociales, ambientales y culturales de riesgo de consumo de marihuana en adolescentes | Psicología y Salud [Internet]. 2017 [cited 2022 May 17]. Available from: https://psicologiaysalud.uv.mx/index.php/psicysalud/article/view/2530/4412

19. Yeni del Carmen Meléndez Mejía. Factores de riesgo psicosociales asociados al consumo de sustancias psicoactivas de los (as) jóvenes del Programa Ambulatorio de Drogodependencia Adolescente Juventud Policía Nacional-CENICSOL. Il semestre 2016 [Internet]. 2017 [cited 2022 May 17]. p. 1–156. Available from: https://repositorio.unan.edu.ni/10535/1/9172.pdf

20. Lizeth Reyes Ruíz, Farid Alejandro Carmona Alvarado, Sindy Marcela Méndez Morón, José Mar Morales Márquez, Crishiam Morrón Gómez, Cindy Paola Pérez Castro. Vista de Factores psicosociales asociados al consumo de sustancias psicoactivas en jóvenes universitarios entre los 16 y 24 años | Ciencia, Tecnología e Innovación en Salud [Internet]. 2019 [cited 2022 May 17]. p. 35–43. Available from: https://revistas.sena.edu.co/index.php/CITEISA/article/view/2876/3420

21. Rojas Piedra, Talia; Reyes Masa, Betti del Cisne; Sánchez Ruiz, Jefferson y Tapia Chamba, Alex. El consumo de sustancias psicoactivas y su influencia en el desarrollo integral de los estudiantes de la Unidad Educativa 12 de febrero de la ciudad de Zamora. Conrado, Cienfuegos, 2020; 16(72): p. 131-138, Disponible en http://scielo.sld.cu/scielo.php?script=sci_arttext&pid=S1990-86442020000100131

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