



MENTAL HEALTH AND SUBSTANCE USE OF UNIVERSITY STUDENTS DURING THE WAR



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Ukraine before the war

1991 year of independence

603,700 km² before Russian occupation

45 million population in 2014





Ukrinform. <u>Russia occupied 7% of the territory of Ukraine — President Poroshenko</u>. 2019 United Nations Human Rights. <u>Conflict-related civilian casualties in Ukraine</u>. January 2022 Glavcom. <u>Response from the Office of the Commander-in-Chief of the Armed Forces of Ukraine</u>. November 2023 United Nations Human Rights. <u>Two-year update</u>. <u>Protection of civilians: impact of hostilities on civilians since 24th February 2022</u>



Other consequences of the full-scale war



250,000 damaged and destroyed buildings



19,546

Ukrainian children deported to Russian-controlled territories





6.5 million refugees from Ukraine recorded globally

Segment of university students in the general structure of the Ukrainian population



State Statistics Service. <u>Statistical collection "Distribution of the permanent population of Ukraine by gender and age"</u>. January 2015. State Statistics Service. <u>Statistical collection "Distribution of the permanent population of Ukraine by gender and age"</u>. January 2021. Population Pyramid Net. <u>Population Pyramids of the World from 1950 to 2100</u>: <u>Ukraine, 2023</u>.

Demographic pyramid, 2023



The impact of the war on the educational sector



3,798 damaged and destroyed educational institutions



67%

of all educational institutions are provided with shelters



5,392 hours of air raids (7.5 months of life)

Ministry of Education and Science of Ukraine. <u>Children of war</u>. 2024 24tv.ua. <u>Safety is above all: how many educational institutions do not yet have shelters</u>. July 2023. Air alarms.in.ua. <u>Statistics of air alarm by duration</u>. July 2024.



Students of the art college are studying in the Kyiv subway during a massive missile attack Kharkiv students organized a prom near the ruins of their school



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The teacher returned to the ruined classrooms to save her students' documents

Professor gives lectures right from the trenches

AND COMPANY

Students gathered for the funeral of their colleague Ivan Rybytva, who was killed in action

Unissued Diplomas Exhibition обстрілів. Її місто М постійним боз

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Bravery

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KHPHLIO OCHTEHKO, 22 KYRYLO OSIPENKO, 22 National Technical University "Kharkin Polytechnic Institute" Computer Science Kyrylo was a good friend and a lowing son. He was a pillar of support for his mother and his friends from his bometown of

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Buildings of the Taras Shevchenko University of Kyiv after attacks

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Yulia Zdanovska was killed by a Russian missile. Now the street of our student campus is named after Yulia.





The project title:

Innovative model of mental health protection of students during and after the war

Research team



Irina Pinchuk Project supervisor Doctor of Medicine





Vitalii Pishel Doctor of Medicine



Volodymyr Virchenko Doctor of Economics

Senior fellows



Maryna Polyviana PhD in psychology

Nataliia Stepanova PhD in psychology

Support staff and assistants



Oleksiy Kolodezhny Chief engineer



Pimenova Senior assistant



Violetta Seleznova Senior assistant

Research stages

1st

Conducting a survey and focus groups

2nd

 Development of an innovative model for prevention and recovery of the students' mental health





Traumatic events among Ukrainian students

Tura una attica accord	Pilot stuc	ly, 2022	Main study, 2023	
Traumatic event	N	%	N	%
Death of a loved one	516	40.0	635	29.8
Direct exposure to shelling or bombing	222	17.2	345	16.2
Seeing someone killed or injured	182	14.1	218	10.2
Physical violence	149	11.6	171	8.0
Property loss or damage	-	-	168	7.9
Serious accident or fire	129	10.0	138	6.5
Sexual violence	91	7.1	107	5
Being under occupation	-	-	100	4.7
Captivity	-	-	5	0.2
Other	-	_	246	11.5

In a pilot study, **67.3%** of students reported having traumatic experience since the beginning of the full-scale war.

In the main study, this share increased to **78.1%**.

Self-assessment of the mental state, %



Symptoms of mental health conditions, %



Symptoms of depression. PHQ-9, %



Symptoms of anxiety disorder. GAD-7, %



Risk of suicidal behavior. PSS scale

Main study, 2023



Substance use disorder, %

Pilot study, 2022 *(1,142)*

CAGE



Main study, 2023 (2,364)

CRAFFT



Findings from other studies of substance use among Ukrainian students (or youth)

Before the full-scale invasion

ESPAD Report (2019). Results from the European School Survey Project on Alcohol and Other Drugs

alcohol consumption among students 16+ years of age during their lifetime

illicit drug use among students 16+ years of age during their lifetime

Pavlenko, V. et al. (2022). <u>Mental Health and Substance Use Among Ukrainian "Help Profession" Students</u> <u>During the COVID-19 Pandemic</u>. International journal of mental health and addiction

Ukrainian students had used substances in the past month

85.0%

18.8%

71%

After the full-scale invasion

National Report On Drug and Alcohol Situation in Ukraine, 2023 (based on data 2022)

respondents aged 15-24 years had used psychoactive substances

Goto, R. et al. (2024). <u>Mental Health of Adolescents Exposed to the War in Ukraine</u>. JAMA pediatrics

8.6%

war-exposed Ukrainian adolescents aged 15–18 years screened positive 20.5% for substance use disorder

Substance use. Main study, 2023.

Most of the students indicated that they had substance use experience during the last year:

% of all the respondents experienced substance use during the last year

average number of days using substance during the last year



The distribution of participants by the number of days of substance use during last year



Main study, 2023.

Half of the study participants used alcohol for **more than 40 days** during last year

Substance use risk. CRAFFT, %

Main study, 2023



Top-5 socio-demographic factors affect the CRAFFT risk score. Main study, 2023





Need for professional support





Living alone

Problems and suggestions identified by teachers and students during the focus group discussion



Students

• Lack of understanding about who to contact and where to receive support.

Mental health programs offered to students



WHO Offline Group up to 30 people 5 weeks Stress Management



ICUDDR Online Group up to 30 people 6 weeks Prevention of the substance use

Implementation INEP during the Russian invasion of Ukraine

The INEP course was translated into Ukrainian

https://mooc.cuni.cz/course/view.php?id=136

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На головну
INEP Українською
Опції зарахування
Medicine
<u>INEP Українською</u>
 Самореєстрація (Студент)

From March 2022 as part of scientific research work "Study the Implementation of the Introduction to Evidence-Based Prevention (INEP) online course: A Feasibility Study in the University Settings in Ukraine, Peru and Czechia" the implementation of the INEP Plus course has started!

INEP Plus: 5 certified facilitators



Посібник із науково обґрунтованої профілактин вживання психоактивних речовин для тих, хто ухвалює рішення, впливає на громадську думку та розробляє політику

Provided training

31 responses

3 online sessions were held

- 45 participants completed the course
- Involved students: lawyers, economists,
- journalists, psychologists, social workers and others

The e-lectures content was relevant

31 responses





Rate your enjoyment of the e-lectures



Were used special assessment tools for student's feedback These assessment tools previously were used with success in the UPC-Adapt project Problems with electricity supply in Ukraine during the Russian aggression.

Introduction of the INEP course in university curricula

The INEP course has been integrated into the practical training program in psychiatry for second-year master's students in psychology. The first group, consisting of 13 students, began their practical training on February 6, 2023



Conclusion

The study showed a high prevalence of symptoms of mental disorders among Ukrainian students in the first months of the full-scale war

Most students reported symptoms of depression, insomnia, PTSD, and anxiety, while eating disorders and substance use were significantly less common

There is an urgent need for decisive action to support students' mental health. The implementation of programs for the prevention of substance use and mental disorders is crucial

Approbation of research results





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International Journal of Mental Health Systems Psychological well-being of Ukrainian students three months after the emerge of full-scale war Irina Pinchuk, Andrii Solonskyi, Yuliia Yachnik, Oksana Kopchak, Katarzyna Klasa, Jerzy A. Sobański, Tetiana Odintsova DOI: https://doi.org/10.12740/PP/ 177073

The battle for mental well-being in

economic aspects of mental health

Feldman, Volodymyr Virchenko, Bo

les/10.1186/s13033-023-00598-3

Wang & Norbert Skokauskas

Violetta Seleznova, Irina Pinchuk, Inna

https://ijmhs.biomedcentral.com/artic

Ukraine: mental health crisis and

services in wartime

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MINI TRAITÉ

Students' Experience with the Online Course in Prevention Science in Two Distinct University Settings: A Pilot Study Gabrhelík R., Pinchuk I., Chumak S., Pimenova N., Salazar F., Miovský M., Horalek H., Lukavská K. https://adiktologie-journal.eu/wpcontent/uploads/2024/06/ADDICTOLOGY 01 2024 digital 007-014 Gabrheli%CC%81k.pdf

WILL BE PUBLISHED SOON

Risk factors of substance use among university students in Ukraine during wartime

Olga Myshakivska, Marina Polyvianaia, Yulia Yachnik, Irina Pinchuk

Autoritation Part of Springer Restore





Thank you for your attention! Any questions?





