



Depression scorecard: Croatia

About this scorecard

The depression scorecard is a tool that aims to support the assessment of national-level performance in key aspects of policy, delivery and care for people with depression. The framework that underpins the scorecard was developed based on an international literature review and consultation with an expert advisory group.

The idea for the depression scorecard came from collaborative discussions between The Health Policy Partnership and Janssen Pharmaceutica NV as part of the Words to Actions initiative. For full details about the Words to Actions initiative, please see wordstoaction.eu/about.

The scorecard framework was developed and applied initially by The Health Policy Partnership, in collaboration with experts, to four countries: Belgium, France, Italy and Romania, with findings summarised in individual scorecard reports. National-level findings were developed based on in-depth literature review and interviews with leading national experts in depression.

The scorecard framework has now been made publicly available for advocates to use in their own countries, following the template and instructions provided in an accompanying user guide.

This scorecard report is based on that framework to assess depression care in Croatia.

Author and contributor details

The research and drafting of this depression scorecard report were led by Andro Babić, Vana Lešić, Lea Pavelić and Lea Šćrbec of the company Communications Office Colić, Laco & Partners.

We are grateful to the following national experts who provided valuable insights on the situation in Croatia:

- Primarius Professor Igor Filipčić, PhD, Sv. Ivan Psychiatric Hospital, University of Zagreb – Faculty of Medicine, J. J. Strossmayer University in Osijek – Faculty of Dental Medicine and Health
- Associate Professor Primarius Tihana Jendričko, PhD, Vrapče Psychiatric Hospital, University of Zagreb – Faculty of Law
- Professor Dalibor Karlović, PhD, Sestre milosrdnice University Hospital Centre, Catholic University of Croatia – Faculty of Medicine

- Associate Professor Marina Letica Crepulja, PhD, Clinical Hospital Centre Rijeka, University of Rijeka – Faculty of Medicine
- Professor Alma Mihaljević-Peleš, PhD, Clinical Hospital Centre Zagreb, University of Zagreb – Faculty of Medicine; Croatian Psychiatric Association
- Primarius Professor Boran Uglešić, PhD, Clinical Hospital Centre Split, University of Split – Faculty of Medicine
- Tin Pongrac, Croatian Federation of Mental Health Associations and association *Životna linija* [Lifeline].

Janssen Pharmaceutica NV and The Health Policy Partnership have not been involved in the research and drafting of this depression scorecard report and are not responsible for its content.

Funding disclaimer

As mentioned above, this report is based on a user guide and template that were produced by The Health Policy Partnership as part of the Words to Actions initiative. The user guide and template were initiated and funded by Janssen Pharmaceutica NV.

No experts involved in the original depression scorecard work for Belgium, France, Italy and Romania, other than The Health Policy Partnership, were paid for their time. Experts involved in the development of the scorecard template in Croatia, Slovakia, Czech Republic, Hungary, Slovenia, Serbia, Bulgaria, Estonia, Latvia and Lithuania were likewise not paid.

Content

Depression: why it matters	4
Depression in Croatia	5
Assessing depression management: the scorecard	6
Summary scorecard for Croatia	8
Joined-up and comprehensive depression services	10
Data to drive improvements in depression care	12
Engaging and empowering people with depression	14
Harnessing technology to improve access to care	16
Conclusion and recommendations	18
References	21

Depression: why it matters

Depression is the most common mental health disorder that affects people today.¹ The World Health Organization estimates that a staggering 4.3% Europeans are affected by depression², which translates to 40 million people, whereas Eurostat's survey indicates that the number of Europeans living with depression increased to 7.2% in 2019.³ The number could have increased further due to the psychological effects of the COVID-19 pandemic.⁴

Depression has a devastating impact on the lives of those affected by it, as well as their

families and the society in general. It is linked to a number of negative outcomes throughout a person's lifetime, including academic underperformance, lower income, chronic disease, and reduced quality of life.^{5, 6}

Depression is the world's leading cause of suicide² and a contributing factor in up to 60% of all suicide cases.⁷ Up to 15% of people living with untreated depression may commit suicide.¹

Suicide is the second leading cause of death among young people worldwide.⁸

The stigma associated with depression can make suffering worse for the affected person and prevent them from seeking and receiving high-quality care for their condition.^{9, 10, 11}

Depression is also a significant social and economic burden for European countries.

Depression is estimated to have been a possible cause of

up to 60%

of suicide deaths worldwide.⁷

168,656 people in Croatia, or

4.13%

of the population, are living with depression.^{12±}

The suicide rate

per 100,000

inhabitants is

13.7^{13Δ}

higher than the European rate of 10.5.^{12±}

The total costs of mental health care services (direct and indirect) in Croatia amount to HRK

13.5 billion.^{16*}

The total costs of mental health care services account for

4.01 %

of Croatia's GDP, which is below the EU average of 4.1%.^{16*}

Croatia has 13.4 psychiatrists

per 100,000 inhabitants^{14±}, which is below the EU average of 17 psychiatrists per 100,000 inhabitants.^{15±}



Depression in Croatia

Almost 170,000 persons¹² were living with depression in Croatia in 2019, but this number could be higher now as a result of the pandemic and the devastating earthquakes that hit Croatia in 2020. Not so long ago, in the early 1990s, Croatia fought a war for independence, usually referred to as the “Homeland War”, and has close to 500,000 war veterans, a figure that has had a direct impact on the rise in mental disorders, and in the number of suicides. Depressive disorder is the second leading cause of hospitalizations in the group of mental disorders¹⁴ and the third leading cause of hospitalizations in the working population.¹⁷ At least two persons attempt suicide in Croatia every day.¹⁸ The suicide fatality rate is twice as high as the traffic fatality rate.¹⁹

Mental health care is covered by three laws^{20, 21, 22}, as well as by strategies, guidelines and public health programmes recognising mental disorders and depression as one of the most common medical conditions and causes of mortality.²³ In addition to the existing National Health Care Development Plan 2021–2027 and the Healthcare Development Action Plan 2021–2025, the process of adoption of the Draft Strategic Framework for Mental Health Development 2022–2030 is in progress. All these documents underline that raising awareness of mental health issues, timely diagnosis of the conditions, and adequate treatment and rehabilitation are the bases for high-quality care. The Draft Strategic Framework identifies the key problems of a treatment system concentrated mainly on the tertiary level, underdeveloped cross-sectoral cooperation and specialist care, geographically uneven availability of services, and an insufficient number of sociotherapy services in the community.

Even though the delivery of mental health care is officially organised on all levels of publicly available mental health care services (primary, secondary and tertiary), in practice, the burden is the heaviest on the clinical and hospital levels. Special mental health

support programmes have been developed for young people and employed persons²⁴, and the Draft Strategic Framework for Mental Health Development 2022–2030 has recognised vulnerable groups as well. There is no programme targeting the older population in spite of the fact that almost 40% of all persons who committed suicide were over the age of 65.

Croatia has made headway in digitising medical records, but a database combining systematic records, tracking and mental disorder data shared on all levels of the health care system has not been implemented.

To be more successful in treating depression, Croatia needs to invest additional efforts in raising awareness of mental disorders among citizens and in destigmatising these disorders²⁵, as the associated stigma is one of the biggest obstacles that prevent people with depression from taking the first steps toward seeking treatment.²⁶

Depression is recognised as a fast-growing problem in the Draft Strategic Framework for Mental Health Development 2022–2030. In addition to identifying the deficiencies, the Framework lays out the measures required to improve the treatment and support system, such as implementing an early diagnosis programme for mental disorders, with a special emphasis on depression, developing programmes for employers and employees to reduce psychosocial stress, developing cross-sectoral and interdisciplinary cooperation, and ensuring treatment continuity by building connections between hospital and outpatient services, community care, and mobile teams. This broadest strategic framework is still in adoption phase. Specific action plans will be drafted, the measures implemented, and the results and enforcement measured only after its official adoption.

Budgetary contributions for mental disorders account for 4.3% of the health care budget in Croatia²⁷, compared with the average of 5.75% in EU member states.²⁸ Experts recommend that they should account for 10%²⁹ in high-income countries like Croatia.³⁰

Assessing depression management: the scorecard

This scorecard was developed to highlight to policymakers where change is most needed to improve the management of depression in Croatia. It is our hope that this document may galvanise policymakers to work in close partnership with all stakeholders to reverse

the course of depression in Croatia, taking a comprehensive and preventive approach to address depression in all its complexity.

The scorecard focuses on four key areas, identified as priorities for improvement:

1

Joined-up and comprehensive depression services

Integrated care – that is, a patient-centred system that supports the person with depression throughout their lifetime and with continuity across the health system – is essential to delivering adequate support and treatment. Integrating mental health services into wider health and social care services is convenient and can increase treatment rates, improve comprehensiveness of care and reduce overall costs.³¹

2

Data to drive improvements in depression care

Collecting and analysing robust and up-to-date data on depression is essential for ensuring the right services are available for everyone who needs them. Monitoring patient outcomes helps to identify and inform good practice, and may give hope to service users that their mental health can improve.³¹ Data on services can support clinicians, policymakers and people with depression to better understand what treatment options are available and accessible. More transparent data will also facilitate shared learning across all domains of depression care. New digital tools may have the potential to facilitate documentation for transparency and research purposes while retaining the anonymity of the user.³¹



3

Engaging and empowering people with depression

It is essential that people with depression – along with their families, friends and carers – are actively empowered to participate in depression care plans at all stages. Empowerment involves a person gaining information and control over their own life as well as their capacity to act on what they find important, which in turn will allow them to more optimally manage their depression.³² Peer support, whereby a person who has previously experienced depression offers empathy and hope to others in the same position, can assist both people with depression and their peer supporter in their recovery.³³ Social systems, patient advocacy groups and other civil society organizations with access to underserved communities is critical in ensuring that mental health services reach everyone, including those who have 'slipped through the net.'³¹

4

Harnessing technology to improve access to care

Digital platforms such as those which facilitate remote therapy sessions and online prescription requests, as well as other depression-focused software, smartphone applications and virtual platforms, can allow greater choices of treatment for people with depression while supporting them to take more control of self-managing their condition. While virtual sessions cannot replace in-person therapy, they may be a flexible option to support people with depression between regularly scheduled visits. Health and social services may also use digital tools to facilitate data collection and monitor care.^{34, 35} In addition, people with depression may find it helpful to use digital tools to connect with others and reduce feelings of isolation.³⁶



Summary scorecard for Croatia

Joined-up and comprehensive depression services

Is depression included in either the national health plan or a specific plan for mental health?



Is there a government lead on mental health, with cross-ministerial responsibility to support a 'mental health in all plans' approach?



Is collaboration between primary care and mental health services supported and incentivised/encouraged/facilitated?



Are there guidelines on depression care developed jointly by primary care and psychiatry?



Is a range of therapeutic options reimbursed and available to people with depression, such as psychotherapy, counselling and cognitive behavioural therapy?



Are depression services available and tailored for at-risk groups?

- Young people
- Older people
- People in the workplace
- Homeless people



Data to drive improvements in depression care

Are data on people with depression systematically collected by the health system?



Are data on mental health services being used for planning?



Are patient-reported outcomes being measured systematically?



No	
Somewhat	
Yes	

Engaging and empowering people with depression

Do guidelines and/or care pathways for depression recognise the importance of patient empowerment?



Do guidelines on depression recognise the role of families and carers in making decisions on the planning and delivery of care?



Were patient and carer representatives involved in the most recent national plan or strategy covering depression?



Do carers have access to financial aid to help them support their loved ones with depression?



Is peer support recommended in depression care guidelines?



Are peer support roles reimbursed?



Are there national associations advocating for the rights of:

- people living with depression?
- carers of people living with depression?



Harnessing technology to improve access to care

Can patients access depression support remotely (via telephone or the internet) in addition to services delivered face-to-face?



Do professional societies or guidelines recommend the use of remote services alongside face-to-face services?



Is remote support for depression reimbursed?



Are people with depression able to use telephone or online platforms that allow them to renew their prescriptions from home?



Joined-up and comprehensive depression services

The depression treatment system in Croatia covers all three levels of the publicly available mental health care services system. People with depression have access to a variety of modern depression and depressive disorder treatment methods and techniques, along with combined pharmacological treatments and psychotherapy. Many private psychologists and psychiatrists are available outside of the system, but lower-income citizens cannot afford private services³⁷, which are not co-funded by the Croatian Health Insurance Fund (HZZO).

Croatia has a health care spending of 7.4% GDP, much lower than the EU average of 9.9%, which places it among EU member states with the lowest health care spending³⁸. According to the HZZO's data, mental and behavioural disorder treatment costs amounted to HRK 1.018 billion³⁹, only a small portion of the World Health Organization's estimated total direct and indirect costs of mental health care in Croatia. A number of experts have called for increased investments in tackling mental disorders^{40, 41, 42, 43} and for stronger involvement of public authorities.⁴⁴

Croatia has developed depression treatment guidelines^{46, 46}, authored by a number of experts. Some of these documents have been prepared and published as the result of cooperation between primary care physicians and psychiatrists.

Although well-organized in theory²³, in practice the care system is concentrated on the secondary and tertiary levels¹⁴, and care options are not equally accessible across the country.

Zagreb-based psychiatric hospitals Vrapče and Sveti Ivan, as well as the psychiatric hospitals on the islands of Ugljan and Rab, and the neuropsychiatric hospital in Popovača, account for most of the hospital capacities for patients affected by mental disorders. Nevertheless, the five clinical hospital centres in Zagreb, Rijeka, Split and Osijek face a substantial number of patients on higher levels of health care, not only from their own respective areas, but also from the nearby counties, smaller towns, and islands. This undermines care accessibility and regularity, especially for patients in underprivileged and remote areas. While primary health care should perform regular triage, patient screening, and initial treatment, this is not the case in practice, even though it would disburden hospital capacities by a minimum of 10%, according to estimates.¹⁴ System stakeholders underline that this could be partially due to the lack of systematic training programmes that would encourage primary care physicians to take over triage and mental disorder treatment in the early stages to a greater extent.

Mental disorder prevention and treatment system is composed of a range of specialists, including psychologists, psychotherapists, social workers, occupational therapists and educators, but there is room for improvement as regards their communication, closer cross-sectoral cooperation, and data sharing.

Public health documents and system stakeholders have recognised the importance of providing stronger support to carers and caretakers for successful treatment outcomes, but this support is available mostly from specialised psychiatric hospitals. Outside of the system, carers depend on volunteer activities organised by patient associations for support. Health experts have underlined the importance of involving peers with the experience of depression in the recovery and healing process. Psychiatrists endorse the organisation of such support groups outside of the system, provided that they are under specialist supervision.

Most experts believe the offer of sociotherapy programmes and the diversity of community support services to be insufficient. Certain institutions and a handful of non-governmental associations have launched initiatives and made breakthroughs in this area, but incentives are lacking for such engagement and support on national level.

Mental health associations in Croatia have formed the Croatian Federation of Mental Health Associations⁴⁷, a roof organisation whose member associations are mostly active locally. With more activity and stronger coordination of local initiatives, the Federation could be a valuable collaborator and partner to the legislator in shaping and implementing mental health policies.

Prevention and depression treatment support for young people and adolescents is underlined in legislative documents and implemented under separate programmes, available for the most part in the capital. The Children and Youth Psychiatric Hospital⁴⁸, for instance, provides care to young people in Croatia, and the City of Zagreb set up the Youth Health Centre⁴⁹, with special focus on mental health support for school-age children.⁵⁰

The Mental Health portal was launched in the City of Zagreb to provide support and information to the public. In addition to young people, it is focused on persons over 65 years of age, a group that has been left behind in mental health care.⁵¹ Older people are also the target population of the national programme *Živjeti zdravo* (Healthy Living)⁵², but, in practice, there are no tailored depression treatment activities and programmes for this group, even though depression is common in this population.

There are no tailored depression care programmes for homeless people either. Even though homeless people are not expressly mentioned in national plans, homeless shelters offer psychosocial support⁵³, and support is also available from a delegated psychotherapist from the clinical hospital centre system, such as in Rijeka. The City of Zagreb is working on improving the social inclusion of homeless people through the Integration Centre⁵⁴ in cooperation with a number of associations and the Sveti Ivan Psychiatric Hospital.

Case study 1. Psychological Support platform

The *Psychological Support* portal was launched in late 2020 to raise awareness of the importance of mental health, and to destigmatize and normalize the related topics. The platform aims to provide all relevant and useful information about available psychological support and assistance providers within publicly available health care services, but also private providers, in one place. The search engine makes it easy to find contacts and support types (individual or group therapy, therapy types and techniques), filtered by cities, whether the services are free or paid, and the method of delivery. The portal also provides emergency contacts and self-help steps. It was developed by PROMENTZ, an interdisciplinary association promoting mental health and the educator profession.⁵⁵

Data to drive improvements in depression care

The Croatian Institute of Public Health collects certain data on people with depression, including a breakdown of hospitalizations by mental disorder causes and frequency.⁵⁶ However, there is no systematic collection of depression-specific data and no registry of people with depression. Croatia maintains a Psychosis Registry, a tool for long-term monitoring of persons affected by schizophrenia or schizoaffective disorders.⁵⁷ The Croatian Institute of Public Health and the Ministry of the Interior maintain a suicide registry, which contains no data on mental disorders.¹³ A registry of people with depression would improve data processing in this field. The establishment of such a registry would require the aggregation of patient databases from primary, secondary and tertiary health care. Data on tertiary health care patients is shared horizontally between hospital institutions (with the exception of day care hospitals and outpatients facilities), but there is still no information sharing between primary health care and other health care levels, which would help gain a better understanding, given that a certain number of people with depression are treated at the primary health care level.

The Health Care Plan and Programme 2020–2022 lays down more detailed data collection measures, including epidemiological data regarding mental health in order to maintain national health care statistics and facilitate scientific research. However, the implementation of the programme has only just begun. A special focus is placed on mental health in the measures targeting children and youth. Systematic mental health monitoring is required in regular intervals, including student surveys and screenings, but the implementation of these measurements has only just begun.⁵⁸

The collection and processing of data regarding the efficiency of services used in depression treatment would help us better understand the trends and improve the depression treatment system in Croatia. Specialists underline the importance of measuring patient outcomes and collecting feedback from patients. In addition to a centralised database covering all levels of the health care system, this would help provide patients with better support, and facilitate their recovery.

The Draft Strategic Framework for Mental Health Development 2022–2030 recognises the deficiencies in systematic collection of mental health data, as well as the lack of collection of positive mental health indicators. This data is only collected through infrequent studies, and very few research projects are aimed at improving and evaluating the mental health care system. A lack of experience is a problem in some areas too, which can only be addressed through cooperation with relevant foreign specialists and international organisations.¹⁴

Case study 2. Mental health risk screening for school-age children⁵⁹

Children and young people are a particularly vulnerable group. Their psychological well-being requires special attention in a situation of prolonged and intensive stress, and timely identification of mental changes is crucial for their future development.

Early identification of the most vulnerable children and adolescents, and delivery of specialist interventions as needed, were among the objectives of the screening project. The project was implemented among primary and secondary school students in Zagreb in February and March 2021, covering more than 22,000 children and young people, and providing data on almost one in four children in Zagreb. Significant anxious and/or depressive symptomatology was identified in almost one in ten children (9%), exceeding the level of unpleasant emotional experiences that would be considered expected for the children's age. One in seven children (15%) face a significant level of posttraumatic stress symptoms, or emotional and behavioural changes occurring as a result of experiences that could be described as traumatic. Young people also exhibit elevated anxiety and depression levels. Three in four children faced fear of failure in 2021 (74%), and 60% faced anxiety in social situations. No difference was identified in the incidence of these changes between primary and secondary school children, but the screening showed girls to be at higher risk, and exhibit elevated anxiety and/or depression and posttraumatic stress levels more commonly than boys.

This was the most comprehensive study of this type carried out in Croatia so far, and its results will be used to ensure that the health care, education and social welfare system continue to address the needs of children and young people.



Engaging and empowering people with depression

High-quality care for people with depression requires engaging them in the care and decision-making processes, and empowering them both as patients and as functional members of the society. Guidelines prepared by specialist associations and organisations underline the importance of psychological education and participation in sociotherapy communities.⁴⁵

There are approximately thirty non-governmental associations in Croatia focusing on a broad range of mental health related issues. However, only about ten are registered as providers of support to people with depression and suicidal people, supporting their reintegration and rehabilitation. The associations, and the patients and carers who are their members, have so far not had a very active role in the preparation of documents relating to the mental disorder treatment system and suicide prevention. However, civil society associations have participated in the preparation of the Draft Strategic Framework for Mental Health Development 2022–2030.¹⁴

Patient associations are not active in all counties, but they use social networks for communication, and the information on the activities they organize, and any other news, are available to their members across the country. The associations organise a wide range of activities, from therapy, creative and music workshops, to group physical exercise. Some of these associations also provide support to carers and caretakers, especially in exercising their rights and some also provide therapy assistant trainings, designed to train people with an experience of depression to provide support and assistance to people who just developed depression before they can get professional help. People with experience of depression are a valuable source of information about this disorder and its treatment. The Draft Strategic Framework for Mental Health Development 2022–2030 underlines the need to include them in the care process, and use the advantages of the so-called peer-to-peer approach.

Clinical guidelines for depressive disorder treatment recognise the importance of family in rehabilitation, but do not recognise its role in making decisions regarding the planning and implementation of treatment.³⁵ The involvement of the carer in the treatment process is recognised by law only when the person affected by the mental disorder is unable to protect their own rights and interests, or is deprived of legal capacity. Caretakers are then appointed and supervised by the Social Welfare Centre. Carers can get mental health support by participating in group therapies at the Clinical Hospital Centres and specialised psychiatric institutions.⁶⁰ However, such forms of support are not widely available across Croatia, and are only offered through local patient association initiatives.

Sociotherapy communities

Legislators and specialists agree that sociotherapy communities, group therapies, individual counselling, psychodramas, autogenic trainings, art therapies, legal counselling offices and similar services should be made more widely available across Croatia, because such support programmes for persons with depression are a complementary component of treatment, which helps with better and quicker integration of the affected person into society. Sociotherapy communities and activities need to be separated from institutional care so as to disburden tertiary capacities, and their development needs to be promoted in all counties, especially those where hospital care is not readily available.



Harnessing technology to improve access to care

The COVID-19 pandemic has accelerated digitalisation and increased the availability of online services in health care, including telepsychiatry⁶¹ for diagnosis and treatment, online individual and group therapy sessions using a variety of technological platforms, consultations by phone and online consultations, follow-up examinations, and e-prescription renewal.⁶² By virtue of a decision of the Croatian Institute of Emergency Medicine, and at the proposal of the Ministry of Health, on 13 November 2020 the Vrapče Psychiatric Hospital became Croatia's first central telepsychiatry centre, offering more than 20 separate digital day care treatment programmes.

The Emergency Centre with the Zagreb Clinical Hospital has a hotline for Croatian citizens, open 24/7 for all emergencies, and the Centre provides assistance even without referral from a primary care physician.

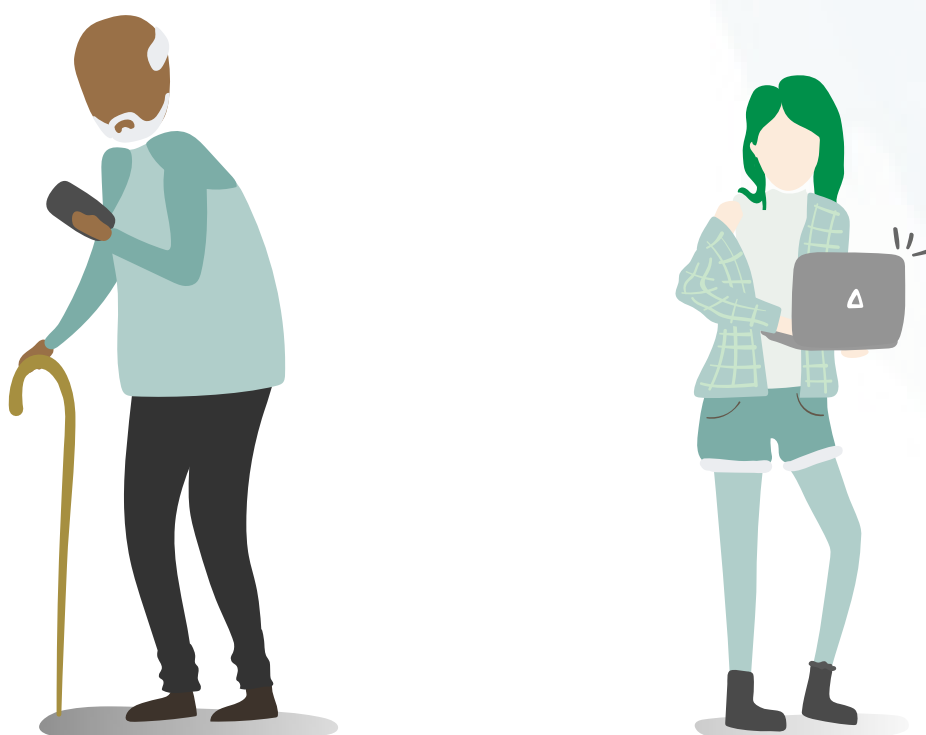
Even though most specialists have supported digital communication as a necessary alternative to classic treatment during the pandemic, especially in remote areas and on islands, they have also underlined that there are still differences in technical capacities between segments of the health care system and different regions, and that an adequate level of security has still not been



reached in digital communication. Priority is still given to in-person meetings with the patient, which provide a more complete picture and understanding of the patient's psychological state, appearance and behaviour as important aspects of evaluating their condition.

Croatia played an active part in the preparation of digital e-counselling and e-psychiatry guidelines^{63, 64} under EU projects, but the standards for platform work and the evaluation of the quality of digital treatment services are yet to be set.

Publicly available mental health care services are available to all citizens through mandatory health insurance, including digital services such as remote psychotherapy or online group therapy counselling as a part of the treatment process. The pandemic moved the patients' communication with their physicians to digital platforms overnight, resulting in a substantial increase in the number of e-mail requests for support and assistance. Persons with depression in Croatia can also use psychotherapy services provided by private practitioners, who added online counselling to the services they offer as soon as the pandemic started.



Conclusion and recommendations

The Republic of Croatia has recognised the growing problem of depression and the importance of protecting mental health, communicating about these issues in a number of health care documents, educational programmes and campaigns, such as the *Živjeti zdravo* campaign by the Croatian Institute of Public Health. However, a systematic operationalisation of policies, the implementation of positive measures, action plans and programmes, as well as the monitoring thereof, is lacking in spite of the well-defined legislative framework and guidelines. Depression treatment requires better connections between cross-sectoral policies and all stakeholders (health care system, social welfare centres, associations, therapeutic communities) and specialists (physicians, therapists, carers and educators) who have an impact on a person's health, private and professional rehabilitation in prevention and treatment.

Croatia's budgetary contributions for mental disorders from the health care budget are 1.45 percentage points lower than available and comparable data for EU member states, and 5.7 percentage points lower than the recommendations by specialists worldwide.^{28, 30}

To disburden clinical and hospital capacities and free them up for more complex cases and more complex treatment, it is essential to get primary health care more involved in depression treatment through more active screening, early detection, and initial treatment. The lack of involvement of primary health care might be due to the fact that the number of primary care physicians in Croatia is currently below the EU average³⁷, and the pandemic has put new burdens on existing physicians. The availability of professional trainings and educations that could encourage primary care physicians to take a more active role in tackling depression and other mental disorders has meanwhile been drastically reduced.

Patient associations provide support and take on some of the work on the reintegration and rehabilitation of persons with depression, while also providing support to their carers and caretakers. Their work, and the experience they have with mental disorders, can make the associations a valuable partner and useful collaborator for the legislator and for the health care sector in preparing mental health policies. Given the number of persons with depression, new associations need to be established, and the existing ones strengthened and developed, especially in areas where they are still not active. The presence of sociotherapy communities in the society is relatively small: they are only available at specialised clinics or initiatives launched by certain local institutions or patient associations, in spite of their important role in maintaining mental health and preventing relapses.

Prevention and education are the most important tools against stigmatization and in timely diagnosis. Such campaigns should be run nationally, and should have the support of the relevant institutions. Regular campaigns should be run at educational institutions from the youngest age.

The recommendations below provide a synthesis of this report, which is a result of detailed research and reflection by specialists with many years of experience dealing with depression-related issues.

Priority recommendations

Joined-up and comprehensive depression services:

- Operationalize strategies and action plans, as Croatia has a number of prepared and updated documents and policies, which are lacking swift operationalization and consistent practical implementation.
- Make a national suicide and depression prevention plan that will set the foundations for prevention, education, and stronger support for persons with depression and persons at risk of suicide, as well as their carers.
- Increase spending for tackling mental disorders and increase investments in the education of primary care physicians to give them more autonomy in triage, screening, and initial treatment.
- Increase the availability of mobile mental health teams in remote areas and make depression treatment, psychotherapy, and telepsychiatry methods and modalities available in all counties.

Data to drive improvements in depression care:

- Set up a central database to systematically collect, process and analyse patients' clinical and personal data, and to facilitate data sharing between primary, secondary and tertiary health care, in order to get a better understanding of the health of persons with depression.
- Make and implement (digital) protocols to monitor patient outcomes.
- Align key national mental health indicators with the EU's data tracking system, and increase availability and transparency.

Engaging and empowering people with depression:

- Involve persons with experience of depression and representatives of patient associations more strongly in the preparation of policies and strategies focusing on the treatment of mental disorders.
- Encourage the formation and activities of sociotherapy communities and psychological counselling offices outside of the health care system to take on some of the work on the rehabilitation and integration of people with depression in the society.
- Regularly implement nationwide campaigns and systematically work on the education and destigmatization of mental disorders in the education system and the media.

Harnessing technology to improve access to care:

- Expand the availability of telepsychiatry and online services within publicly available mental health care services.
- Co-finance the acquisition of technical and digital telepsychiatry and telemedicine equipment for the most underprivileged local communities.
- Educate older age groups about the use of digital solutions and telepsychiatry services.

1. Centre for Suicide Prevention. 2015. *Depression and suicide prevention: resource toolkit*. Calgary: CSP.
2. World Health Organization Europe Depression. 2016. Available at: <https://www.euro.who.int/en/health-topics/noncommunicable-diseases/mental-health/areas-of-work/depression> [Accessed 11-Jan-2022].
3. Eurostat. Share of people reporting chronic depression. 2019. Available at: <https://ec.europa.eu/eurostat/web/products-eurostat-news/-/edn-20210910-1> [Accessed 29-Mar-2022].
4. Pan K-Y, Kok AAL, Eikelenboom M, et al. The mental health impact of the COVID-19 pandemic on people with and without depressive, anxiety, or obsessive-compulsive disorders: a longitudinal study of three Dutch case-control cohorts. *The Lancet Psychiatry*: 10.1016/S2215-0366(20)30491-0.
5. Linder A, Gerdtham U-G, Trygg N, et al. 2019. Inequalities in the economic consequences of depression and anxiety in Europe: a systematic scoping review. *Eur J Public Health* 30(4): 767-77.
6. Cuijpers P, Vogelzangs N, Twisk J, et al. 2014. Comprehensive meta-analysis of excess mortality in depression in the general community versus patients with specific illnesses. *Am J Psychiatry* 171(4): 453-62.
7. Ng CWM, How CH, Ng YP. 2017. Depression in primary care: assessing suicide risk. *Singapore Med J* 58 (2): 72-77.
8. World Health Organization. Comprehensive Mental Health Action Plan 2013–2030. Available at: <https://www.who.int/publications/i/item/9789240031029> [Accessed 12-Jan-2022].
9. Tavormina MG, Tavormina R, Nemoianni E, et al. 2015. A questionnaire to assess social stigma. *Psychiatria Danubina* 27 Suppl 1: S328-31.
10. Muller R. 2020. Interview with Pooja Krishnaswamy at The Health Policy Partnership [videocall]. 20-Nov-2020.
11. Sabbe B. 2020. Interview with Pooja Krishnaswamy at The Health Policy Partnership [videocall]. 06-Nov-2020.
12. Global Health Data Exchange. GBD Results Tool. Prevalence. Available at: <http://ghdx.healthdata.org/gbd-results-tool?params=gbd-api-2019-permalink/781ee2b98fa5465dd06d439bba46a4be> [Accessed 12-Jan-2022].
13. Croatian Institute of Public Health. The number of suicides in Croatia in 2021. Available at: <https://www.hzjz.hr/aktualnosti/izvrsena-samoubojstva-u-hrvatskoj-2021/> [Accessed 12-Jan-2022].
14. Ministry of Health. Draft Strategic Framework for Mental Health Development 2022–2030, <https://esavjetovanja.gov.hr/ECon/MainScreen?entityId=20208> [Accessed: 24-Mar-2022].
15. Eurostat. Physicians by medical speciality. Available at: http://appsso.eurostat.ec.europa.eu/nui/show.do?query=BOOKMARK_DS-052274_OID_-604CBDD9_UID_-3F171EB0&layout=TIME,C,X,0;GEO,L,Y,0;UNIT,L,Z,0;MED_SPEC,L,Z,1;INDICATORS,C,Z,2;&zSelection=DS-052274MED_SPEC.PSY;DS-052274INDICATORS.OBS_FLAG;DS-052274UNIT.P_HTHAB;&rankName1=UNIT_1_2_-1_2&rankName2=MED-SPEC_1_2_-1_2&rankName3=INDICATORS_1_2_-1_2&rankName4=TIME_1_0_0_0&rankName5=GEO_1_2_0_1&sortC=ASC_-1FIRST&rStp=&cStp=&rDCh=&cDCh=&rDM=true&cDM=true&footnes=false&empty=false&wai=false&time_mode=ROLLING&time_most_recent=true&lang=EN&cfo=%23%23%23.%23%23%23.%23%23%23 [Accessed 12-Jan-2022].
16. Organisation for Economic Co-operation and Development, European Union. 2018. Health at a Glance: Europe 2018. Paris/Brussels: OECD Publishing/ European Union: 30.
17. Croatian Institute of Public Health, Department of Mental Health Disorders. Available at: <https://www.hzjz.hr/sluzba-epidemiologija-prevencija-nezaraznih-bolesti/odjel-za-mentalne-poremecaje/> [Accessed 15-Jan-2022].
18. Ministry of the Interior. COVID-19 and Crime in 2020. Available at: <https://mup.gov.hr/UserDocsImages/2021/04/Covid%20i%20kriminalitet%20u%202020%20-%20Komentar%20pokazatelja%20sigurnosti%20u%20Republici%20Hrvatskoj.pdf> [Accessed 12-Jan-2022].
19. Ministry of the Interior, Statistical Overview 2020. Available at: https://mup.gov.hr/UserDocsImages/statistika/2021/Statisticki_pregled_2020_web.pdf [Accessed 15-Jan-2022].
20. Act on the Protection of Persons with Mental Disorders. Available at: <https://www.zakon.hr/z/181/Zakon-o-za%C5%A1titi-osoba-s-du%C5%A1evnim-smetnjama> [Accessed 30-Mar-2022].
21. Social Welfare Act. Available at: <https://www.zakon.hr/z/222/Zakon-o-socijalnoj-skrbi> [Accessed 30-Mar-2022].
22. Health Care Act. Available at: <https://www.zakon.hr/z/190/Zakon-o-zdravstvenoj-za%C5%A1titi> [Accessed 30-Mar-2022].
23. Ministry of Health, National Health Care Development Plan 2021–2027. Available at: <https://zdravlje.gov.hr/UserDocsImages/2022%20Objave/Nacionalni%20plan%20razvoja%20zdravstva%202021.-2027..pdf> [Accessed: 11-Feb-2022].

24. Portal 'Improving the Mental Health of Vulnerable Groups', available at: <https://umzvs.com.hr/> [Accessed 12-Jan-2022].
25. Clement, S., Schauman, O., Graham, T., Maggioni, F., Evans-Lacko, S., Bezborodovs, N. & Thornicroft, G. (2015). What is the impact of mental health-related stigma on help-seeking? A systematic review of quantitative and qualitative studies. *Psychology Medical*, 45 (1), 11-27.
26. Petak, A., Narić, S. and Matković, R. (2021). Attitudes towards persons living with mental health issues. *Ljetopis socijalnog rada*, 28 (1), 181-203. Available at: <https://doi.org/10.3935/ljsr.v28i1.391> [Accessed 12-Jan-2022].
27. World Health Organization. Mental Health Atlas 2017 Member State Profile. Available at: https://cdn.who.int/media/docs/default-source/mental-health/mental-health-atlas-2017-country-profiles/hrv.pdf?sfvrsn=5c02195c_1&download=true [Accessed 25-Apr-2022].
28. Mental Health Atlas 2017, Member state profiles, based on available data for 12 EU member states: France, Ireland, Slovenia, Poland, Bulgaria, Germany, Finland, Italy, Czech Republic, Estonia, Latvia and Croatia, <https://www.who.int/publications/m> [accessed 26-Apr-2022].
29. Patel, V. et al. 2018. The Lancet Commission on global mental health and sustainable development.
30. The World Bank. High income. Available at: <https://data.worldbank.org/country/XD> [Accessed 24-Apr-2022].
31. Beezhold J, Destrebecq F, grosse Holftorth M, et al. 2018. *A sustainable approach to depression: moving from words to actions*. London: The Health Policy Partnership.
32. European Patients Forum. 2015. *EPF Background Brief: Patient Empowerment*. Brussels: EPF.
33. Repper J, Carter T. 2011. A review of the literature on peer support in mental health services. *J Ment Health* 20(4): 392-411.
34. European Commission, Tackling depression with digital tools (2018) Available at: <https://ec.europa.eu/research-and-innovation/en/projects/success-stories/all/tackling-depression-digital-tools> [Accessed 10-Feb-2022].
35. Hallgren KA, Bauer AM, Atkins DC. 2017. Digital technology and clinical decision making in depression treatment: Current findings and future opportunities. *Depression and anxiety* 34(6): 494-501.
36. Prescott J, Hanley T, Ujhelyi K. 2017. Peer Communication in Online Mental Health Forums for Young People: Directional and Nondirectional Support. *JMIR Ment Health* 4(3): e29-e29.
37. Statista. Cost of seeing a psychologist in Europe by country. 2019. Available at: <https://www.statista.com/statistics/1230639/cost-of-seeing-a-psychologist-in-europe-by-country/> [Accessed 30-Mar-2022].
38. The European Commission. State of health in the EU – Croatia. 2017. Available at: https://ec.europa.eu/health/system/files/2017-12/chp_hr_croatian_0.pdf [Accessed 28-Apr-2022].
39. Croatian Institute of Public Health. Comparison of the Leading Public Health Problem Indicators in Croatia and the European Union. 2021. Available at: https://www.hzjz.hr/wp-content/uploads/2017/01/Pokazatelj_RH_EU.pdf [Accessed 28-Apr-2022].
40. PAHO. Mental health spending must increase in order to meet current needs in the Americas. Available at: https://www3.paho.org/hq/index.php?option=com_content&view=article&id=14999:mental-health-spending-must-increase-in-order-to-meet-current-needs-in-the-americas&Itemid=1926&lang=en [Accessed 26-Apr-2022].
41. World Economic Forum. Why investment in mental health is needed now more than ever. Available at: <https://www.weforum.org/agenda/2020/10/good-mental-health-is-the-foundation-of-happy-healthy-and-productive-lives/> [Accessed 26-Apr-2022].
42. Mahomed F. 2020. Addressing the Problem of Severe Underinvestment in Mental Health and Well-Being from a Human Rights Perspective. *Health and human rights*, 22(1), 35-49. Available at: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7348439/> [Accessed 26-Apr-2022].
43. WHO. WHO report highlights global shortfall in investment in mental health. Available at: <https://www.who.int/news/item/08-10-2021-who-report-highlights-global-shortfall-in-investment-in-mental-health> [Accessed 26-Apr-2022].
44. WHO. Investing in mental health: evidence for action. Available at: https://apps.who.int/iris/bitstream/handle/10665/87232/9789241564618_eng.pdf?sequence=1 [Accessed 26-Apr-2022].
45. Croatian Association for Affective Disorders with the Croatian Medical Association, Croatian Association for Clinical Psychiatry with the Croatian Medical Association, and the Croatian Psychiatric Association. Clinical Guidelines for the Treatment of Depressive Disorder. Available at: <http://www.psihijatrija.hr/site/wp-content/uploads/2020/02/SMJERNICE-DEPRESIJA-2020.pdf> [Accessed 12-Jan-2022].
46. Bukmir, L., Fišić, M., Popović, B., Ljubotina, A. & Zavidović, T. (2019) Guidelines for the Diagnosis and Treatment of Depressive Disorders. *Medix : specialised medical bimonthly*, 25 (135), 152-157.

47. Croatian Federation of Mental Health Associations, Available at: <http://sumez.hr/?i=1> [Accessed 12-Jan-2022].
48. Children and Youth Psychiatric Hospital. Available at: <https://djecja-psihijatrija.hr/> [Accessed 12-Jan-2022].
49. Youth Health Centre. Available at: <https://www.czm.hr/> [Accessed 12-Jan-2022].
50. City of Zagreb. Mental Health web-portal presented. Available at: <https://www.zagreb.hr/en/predstavljen-web-portal-mentalno-zdravlje-grada-za/177041> [Accessed 31-Mar-2022].
51. Mental Health portal. Available at: <https://mentalnozdravlje.zagreb.hr/> [Accessed 30-Mar-2022].
52. Ministry of Health. *Živjeti zdravo* (Healthy Living) national programme. Available at: <https://zdravstvo.gov.hr/UserDocImages/Programi%20i%20projekti%20-%20Ostali%20programi/NP%20%C5%BDivjeti%20zdravo.pdf> [Accessed 12-Jan-2022].
53. Split Homeless Shelter. Available at: <https://beskucnici.info/prenociste-za-beskucnike-split/> [Accessed 12-Jan-2022].
54. City of Zagreb. Integration Centre project presented. Available at: <https://www.zagreb.hr/predstavljen-projekt-centar-za-integraciju/159798> [Accessed 12-Jan-2022].
55. Psychological support. Available at: <https://www.psiholoskapomoc.hr/> [Accessed 12-Jan-2022].
56. Croatian Institute of Public Health, Croatian Health Statistics Yearbook 2019, Available at: https://www.hzjz.hr/wp-content/uploads/2021/02/Ljetopis_Yerabook_2019.pdf [Accessed 15-Jan-2022].
57. Croatian Institute of Public Health. Croatian Psychosis Registry. Available at: <https://www.hzjz.hr/sluzba-epidemiologija-prevencija-nezaraznih-bolesti/registar-za-psihoze-hrvatske/> [Accessed 12-Jan-2022].
58. Ministry of Health. Online public consultations procedure for the Health Care Plan and Programme 2020–2022. Available at: <https://zdravlje.gov.hr/pristup-informacijama/savjetovanje-s-javnoscu/okoncana-savjetovanja/savjetovanje-u-2020-godini/plan-i-program-mjera-zdravstvene-zastite-2020-2022-5060/5060> [Accessed 12-Jan-2022].
59. Buljan Flander, G. et al. 2021. One Year Later: Mental Health Screening Results for Children in Zagreb. Available at: <https://www.poliklinika-djeca.hr/wp-content/uploads/2021/03/PROBIR-digitalna-verzija-min.pdf> [Accessed 30-Mar-2022].
60. Vrapče Psychiatric Hospital. Outpatient Care Centre. Available at: <https://bolnica-vrapce.hr/zavodi-odjeli-centar-za-izvanbolnicko-lijecenje/> [Accessed 30-Mar-2022].
61. Vrapče Psychiatric Hospital. The First Telepsychiatry Centre in the Republic of Croatia. Available at: <https://bolnica-vrapce.hr/prvi-telepsihijatrijski-centar-u-republici-hrvatskoj/> [Accessed 12-Jan-2022].
62. Psychological support. Support providers. Available at: <https://www.psiholoskapomoc.hr/portfolio/?city=&payment=&workway=online> [Accessed 12-Jan-2022].
63. Therapy 2.0 Guidelines for Advisors, Counsellors and Therapists on the Utilization of Online Interventions. Available at: https://www.ecounselling4youth.eu/online-material/courses/files/guidelines_hr.pdf [Accessed 30-Mar-2022].
64. Therapy 2.0. Available at: <https://www.ecounselling4youth.eu/hr/project/> [Accessed 30-Mar-2022].

CRO-eOT-01-25/05/2022
EM-100955

Contact details

For more information about this scorecard, please contact
Communications office Colić, Laco & Partners (info@commoffice.hr)

Communications office Colić, Laco & Partners
Jurišićeva ulica 19
Zagreb, 10 000
Croatia

COMMUNICATIONS OFFICE
Colić, Laco and partners

Communication
consulting

