Ministry of Education and Science of Ukraine

Sumy State University
Academic and Research Institute of Business,
Economics and Management
Lovely Professional University

Health Economics and Management Review

Proceedings
of the International Scientific and Practical
Online-Conference

(Sumy, December 3-5, 2021)



Sumy Sumy State University 2021 330.3:005(063) S62

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Health Economics and Management Review: Proceedings of the International Scientific and Practical Online-Conference, Sumy, November 20-22, 2021 / edited by Prof., Dr. Vasilyeva Tetyana. – Sumy: Sumy State University, 2021. – 65 p.

The Proceedings contain the abstracts of the International Scientific and Practical Online-Conference "Health Economics and Management Review" (Sumy, December 3-5, 2021).

For scientists, scientists, students, graduate students, representatives of business and public organizations and higher education institutions and a wide range of readers.

330.3:005(063)

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INSTRUMENTS OF DIGITAL MARKETING IN THE PHARMACEUTICAL INDUSTRY

Olena Chygryn, Dr. Sc., As. Prof., Kateryna Shevchenko, student Sumy State University, Ukraine

Each pharmaceutical company has its own specific goals in terms of choosing a marketing policy and communication system with stakeholders for market promotion and interaction with consumers (Chygryn, 2012; Chygryn et al., 2021; Pimonenko et al., 2018; Saher et al., 2018). One of the most significant transformations associated with the impact of digital technology on the pharmaceutical industry (Khomenko et al., 2020; Chygryn, 2017; Chygryn et al., 2015; Kuzmenko et al., 2020; Sigida, 2019). It is well-known fact that pharmaceutical companies are no longer the sole advocates or providers of information related to their products and treatment approaches (Mamay et al., 2021).

The powerful development of digital technologies, the expansion of online communities, a large number of mobile applications, accessible web content determine the wide access to information about treatment and a number of pharmacological knowledge (Mazurenko et al., 2021; Bozhenko, 2021; Starchenko et al., 2021; Dudchenko, 2020; Shkarlet et al., 2019; Vasilieva et al., 2017; Bublyk et al., 2017; Fila et al., 2020; Gallo et al., 2019). With this in mind, companies need to create targeted branded content, primarily value-oriented (Khomenko et al., 2020; Rosokhata et al., 2021). The information offered by pharmaceutical companies should provide consumers (potential or current patients) with a diverse view of the relevant information, which will significantly expand the company's audience.

The application of VR technologies in the pharmaceutical market has significant prospects. By 2022, the consumer VR software market is expected to

grow to \$ 16.3 billion. The implementation of VR technologies will provide positioning of people in the centre of business, will provide a unique opportunity to feel their mission, to understand in more detail the treatment or product of the brand.

At the same time, it is important to use social networking applications (Facebook Messenger, WhatsApp, Telegram, etc.) to communicate with potential customers, patients or partners (Minchenko et al., 2020; Yelnikova and Barhaq, 2020; Goncharenko and Lopa, 2020; Eddassi, 2020; Ziabina et al., 2020; Chukwu and Kasztelnik, 2021; Medani and Bhandari, 2019; Samoilikova, 2020; Yarovenko et al., 2020; Mazurenko and Tiutiunyk, 2021; Pimonenko et al., 2021; Kryvych and Goncharenko, 2020; Matsenko et al., 2021; Lazorenko et al., 2021).

The use of chatbots to improve the efficiency of the organization will ensure the implementation of key tasks and responses to customer inquiries, will improve the level of overall customer service (Rosokhata et al., 2021). It should be noted that chatbots have proven their convenience and versatility, and society has shown increased confidence in their use. In the case of social messaging, chatbot communication demonstrates the growth of the customer experience and provides valuable data for marketers and decision-makers (Oleksich et al., 2021).

A large part of the audience follows the behaviour of influencers, who form an appropriate model of audience behaviour. 70% of millennials are influenced by the recommendations of their peers, while 90% of adolescents aged 18 to 24 trust medical information obtained through social networks, and a third of American adults search the Internet to understand the medical condition.

Digital marketing technologies are effective tools for advancing the pharmaceutical and medical industries (Taraniuk et al., 2020). A significant number of pharmaceutical companies have adopted these strategies as key and have made significant progress in transforming the way they do business. To succeed in today's digital world, pharmaceutical companies need to provide a high level of personalization to care for potential customers and patients.

References

- Bozhenko, V. (2021). Enhancing Business Integrity as a Mechanism for Combating Corruption and Shadow Schemes in the Country. Business Ethics and Leadership, 5(3), 97-101. https://doi.org/10.21272/bel.5(3).97-101.2021
- Bublyk, M., Koval, V., Redkva, O. (2017). Analysis impact of the structural competition preconditions for ensuring economic security of the machine building complex. Marketing and Management of Innovations, 4, 229-240, http://doi.org/10.21272/mmi.2017.4-20
- Chukwu, A.O., Kasztelnik, K. (2021). Innovative Strategies For Social-Economic Development Financial Strategies In The Development Country. SocioEconomic Challenges, 5(1), 44-65. https://doi.org/10.21272/sec.5(1).44-65.2021
- Chygryn, O. (2012). Problems of assessing the investment attractiveness of the enterprise. Abstracts of the All-Ukrainian scientific-practical conference (with international participation) "Investment and innovation strategy of enterprise development". Zhytomyr: ZhSTU, 55-56.
- Chygryn, O. (2017). Green entrepreneurship: EU experience and Ukraine perspectives. Centre for Studies in European Integration Working Papers Series, (6), 6-13.
- Chygryn, O., Krasnyak, V. (2015) Theoretical and applied aspects of ecological investment development in Ukraine. Marketing and innovation management. 3. 226–234.
- Chygryn, O., Rosokhata, A., Rybina, O., Stoyanets, N. (2021). Green competitiveness: The evolution of concept formation. Paper presented at the E3S Web of Conferences, 234
- Dudchenko, V.Yu. (2020). Interaction of Central Bank Independence and Transparency: Bibliometric Analysis. Business Ethics and Leadership, 4(2), 109-115. https://doi.org/10.21272/bel.4(2).109-115.2020.

- Eddassi, H. (2020). Fiscal Regime and Tax Policy in Resource-Rich Countries In The Process Of Globalization: Literature Review. SocioEconomic Challenges, 4(2), 67-77. https://doi.org/10.21272/sec.4(2).67-77.2020.
- Fila, M., Levicky, M., Mura, L., Maros, M., & Korenkova, M. (2020). Innovations for Business Management: Motivation and Barriers. Marketing and Management of Innovations, 4, 266-278. http://doi.org/10.21272/mmi.2020.4-22
- Gallo, P., Mihalcova, B., Vegsoova, O., Dzurov-Vargova, T & Busova, N. (2019).
 Innovative Trends in Human Resources Management: Evidence for the Health
 Care System. Marketing and Management of Innovations, 2, 11-20.
 http://doi.org/10.21272/mmi.2019.2-01
- Goncharenko, T., Lopa L. (2020). Balance Between Risk And Profit In The Context Of Strategic Management: The Case Of Ukrainian Banks. SocioEconomic Challenges, 4(1), 111-121. http://doi.org/10.21272/sec.4(1).111-121.2020.
- Khomenko, L., Saher, L., Polcyn, J. (2020) Analysis of the Marketing Activities in the Blood Service: Bibliometric Analysis. Health Economics and Management Review. 1. C. 20-36.
- Khomenko, L.M, Sager, L.Yu., Lyubchak, V.V Analysis of blood service advertising in the print media (on the example of the Sumy Regional Blood Service Center).
 Galician Economic Bulletin. 2020. 5 (66). C. 170-179. DOI: 10.33108 / galicianvisnyk tntu2020.05.170
- Kryvych, Y., Goncharenko, T. (2020). Banking strategic management and business model: bibliometric analysis. Financial Markets, Institutions and Risks, 4(1), 76-85. http://doi.org/10.21272/fmir.4(1).76-85.2020.
- Kuzmenko, O., Vasylieva, T., Vojtovič, S., Chygryn, O., & Snieška, V. (2020). Why do Regions Differ in Vulnerability to COVID-19?: Spatial Nonlinear Modeling of Social and Economic Patterns. Economics & Sociology, 13(4), 318-340.
- Lazorenko, V., Saher, L., & Jasnikowski, J. (2021). Web management as a marketing management determinant: case for pharmaceutical enterprises. Health

- Economics and Management Review, 2(2), 105-114. https://doi.org/10.21272/hem.2021.2-10
- Mamay, A., Myroshnychenko, Iu., & Dzwigol. H. (2021). Motivation management model and practical realization within the health care institutions. Health Economics and Management Review, 2(2), 23-30. https://doi.org/10.21272/hem.2021.2-03
- Matsenko, O., Kubatko, O., Bardachenko, V., & Demchuk, K. (2021).
 Transformation of the Restaurant Business as a Result of the COVID-19
 Pandemic: Improving the Security of Service and Maintaining the Health of Human Capital. Health Economics and Management Review, 2(3), 27-38.
 https://doi.org/10.21272/hem.2021.3-03
- Mazurenko, O., Tiutiunyk, I. (2021). The International Tax Competitiveness: Bibliometric Analysis. Financial Markets, Institutions and Risks, 5(1), 126-138. https://doi.org/10.21272/fmir.5(1).126-138.2021
- Mazurenko, O., Tiutiunyk, I., Derkach, L. (2021). The Impact of Tax Morality on Tax Evasion: Evidence of EU Countries. Business Ethics and Leadership, 5(3), 108-112. https://doi.org/10.21272/bel.5(3).108-112.2021
- Medani P. Bhandari (2019). Sustainable Development: Is This Paradigm The Remedy of All Challenges? Does Its Goals Capture The Essence of Real Development and Sustainability? With Reference to Discourses, Creativeness, Boundaries and Institutional Architecture. SocioEconomic Challenges, 3(4), 97-128. http://doi.org/10.21272/sec.3(4).97-128.2019.
- Minchenko, M., Artyukhova, N., Zdoima, A. (2020). Effective models for promoting goods through social networks / Innovation, Social and Economic Challenges: the International Scientific Online Conference (Sumy, December 1-3, 2020), 45-48
- Oleksich, Zh., Polcyn, J., & Shtorgin, O. (2021). Adaptation of the best European practices in administering local health care institutions. Health Economics and

- Management Review, 2(2), 15-22. https://doi.org/10.21272/hem.2021.2-02
- Pimonenko, T., Lyulyov, O., & Chygryn, O. (2018). Green investment marketing: a mechanism of collaboration between major stakeholders. Bulletin of Azov State Technical University. Series: Economic Sciences, (36), 214-220.
- Pimonenko, T., Us, Ya., Myroshnychenko, Yu., Dubyna, O., Vasylyna, T. (2021). Green Financing for Carbon-Free Growth: Role of Banks Marketing Strategy. Financial Markets, Institutions and Risks, 5(3), 71-78. https://doi.org/10.21272/fmir.5(3).71-78.2021
- Rosokhata, A., Minchenko, M., Khomenko, L., & Chygryn, O. (2021). Renewable energy: a bibliometric analysis. In E3S Web of Conferences (Vol. 250, p. 03002). EDP Sciences.
- Rosokhata, A., Rybina O., Derykolenko, A., & Makerska, V. (2020). Improving the Classification of Digital Marketing Tools for the Industrial Goods Promotion in the Globalization Context. Research in World Economy, 11 (4), Special Issue, 42-52. doi:10.5430/rwe.v11n4p42.
- Saher, L.Yu., Syhyda, L.O., Gryshova, I. (2018). Current state and prospects for the development of innovative activity of industrial enterprises in Ukraine and the world. Innovative management: theoretical, methodical, and applied grounds / S.M. Illiashenko, W. Strielkowski (eds.). 1st edition. Prague: Prague Institute for Qualification Enhancement, 83-95.
- Samoilikova, A. (2020). Financial Policy of Innovation Development Providing: The Impact Formalization. Financial Markets, Institutions and Risks, 4(2), 5-15. https://doi.org/10.21272/fmir.4(2).5-15.2020.
- Shkarlet, S., Kholiavko, N., Dubyna, M. (2019). Information Economy:

 Management of Educational, Innovation, and Research Determinants. Marketing
 and Management of Innovations, 3, 126-141.

 http://doi.org/10.21272/mmi.2019.3-10
- Sigida, L.O., Sager, L.Yu., Letunovska, N.E. (2019). Formation of a strategy of

- advanced innovative development in the conditions of industry 4.0. Economic Analysis, Vol. 29, № 2, 53-61.
- Starchenko, L.V., Samusevych, Ya., Demchuk, K. (2021). Social and Eco-Friendly Enterpreneurship: The Keys to Sustainability. Business Ethics and Leadership, 5(1), 118-126. https://doi.org/10.21272/bel.5(1).118-126.2021
- Taraniuk, L., D'yakonova, I., Taraniuk, K., & Qiu, H. (2020). Basic financing principles of anti-covid measures: the case of the bank for international settlements. Health Economics and Management Review, 1(2), 43-50. https://doi.org/10.21272/hem.2020.2-05
- Vasilieva, T., Lieonov, S., Makarenko, I., Sirkovska, N. (2017). Sustainability information disclosure as an instrument of marketing communication with stakeholders: markets, social and economic aspects. Marketing and Management of Innovations, 4, 350 357. http://doi.org/10.21272/mmi.2017.4-31
- Yarovenko, H., Kuzmenko, O., Stumpo, M. (2020). Strategy for Determining Country Ranking by Level of Cybersecurity. Financial Markets, Institutions and Risks, 4(3), 124-137. https://doi.org/10.21272/fmir.4(3).124-137.2020
- Yelnikova, Ju., Barhaq, A.R. (2020). Transparency of Responsible Investment Environment. Business Ethics and Leadership, 4(4), 68-75. https://doi.org/10.21272/bel.4(4).68-75.2020
- Ziabina, Ye., Pimonenko, T., Starchenko, L. (2020). Energy Efficiency Of National Economy: Social, Economic And Ecological Indicators. SocioEconomic Challenges, 4(4), 160-174. https://doi.org/10.21272/sec.4(4).160-174.2020

Наукове видання

HEALTH ECONOMICS AND MANAGEMENT REVIEW

Матеріали Міжнародної науково-практичної конференції

(Суми, 3-5 грудня 2021 року)

Стиль та орфографія авторів збережені. Організаційний комітет і редакційна колегія можуть не поділяти точки зору авторів.

Автори відповідають за точність, достовірність і зміст матеріалів. Посилання на матеріали конференції обов'язкові.

Відповідальний за випуск Т. А. Васильєва Комп'ютерне верстання Я.О. Ус

Формат 60×84/16. Ум. друк. арк. 29,86. Обл.-вид. арк. 38,58.

Видавець і виготовлювач Сумський державний університет, вул. Римського-Корсакова, 2, м. Суми, 40007 Свідоцтво суб'єкта видавничої справи ДК № 3062 від 17.