

CONTENTS

RESILIENT HEALTHCARE SYSTEMS IN WARTIME AND POST-WAR RECONSTRUCTION: INSTITUTIONAL TRANSFORMATION, SECURITY DIMENSION, AND EUROPEAN INTEGRATION ADAPTATION OF UKRAINE’S NATIONAL MODEL

Chapter 1

Mechanisms for Public-Private Investment in a Resilient Healthcare System (Vovk S., Vovk T.)	2
1. Theoretical and institutional foundations of public-private investment in a resilient healthcare system	3
2. Organizational and financial mechanisms for public-private investment in the healthcare system	6
3. Strategic directions for the development of a resilient healthcare investment model in Ukraine	11

Chapter 2

Climate change as a catalyst of infectious threats: antimicrobial resistance, novel pathogens, and the preparedness of Ukraine’s healthcare system (Hrytsko R.)	18
1. Climate change as a driver of infectious threats: an expanded analysis of impact mechanisms, pathogen evolution, and recent evidence	19
2. Antimicrobial resistance in the context of climate change: mechanisms, regional characteristics, and counteraction strategies	24
3. Healthcare system preparedness for climate-sensitive infectious threats: conceptual foundations, vulnerabilities, and strategic priorities for Ukraine	30
4. Practical recommendations for Ukraine	37

Chapter 3

Ukraine’s Healthcare System During the War: Assessment of Losses, Operational Status and Recovery Needs (Kusyk N., Didmanidze I., Sebov D.)	46
1. The Impact of the Armed Conflict on the Functioning and Resilience of Ukraine’s Healthcare System	47
2. Functioning and Infrastructure Capacity of Healthcare Facilities in Odesa Region During the Armed Conflict	52
3. Assessing the Recovery and Reconstruction Needs of Ukraine’s Healthcare System in the Context of Post-War Transformation	56

Chapter 4

Ensuring the sustainability of Ukrainian healthcare institutions in the structure of cluster hospitals: implementing the experience of Japan, Great Britain and Germany

(Rudinska O., Dereviahin Ya., Kolodenko O.)	72
1. Theoretical foundations of the sustainability of medical systems	73
2. Comparative analysis of international models of health care system organization	75
3. The Japanese system as a technologically adaptive model	76
4. UK National Health Service (NHS)	77
5. The German model of social health insurance	77
6. Comparative characteristics of mechanisms and their effectiveness in different systems	78
7. Ukrainian context of cluster hospital development	78
8. Example of the Odessa Hospital District	79
9. Conceptual model for ensuring sustainability	80
10. Discussion	80

MODERN ASPECTS OF ORGANIZATION AND MANAGEMENT OF HEALTHCARE AND PHARMACEUTICAL BUSINESS

Chapter 5

The concept of Lean manufacturing in the performance management system of a pharmaceutical enterprise

(Biriukov Ye., Koliada M.)	86
1. Theoretical foundations of the concept of Lean manufacturing in enterprise management	91
2. The specificity of a pharmaceutical enterprise as an object of Lean management	97
3. Lean manufacturing in the performance management system of a pharmaceutical enterprise	103
4. Lean management tools and waste minimization in pharmaceutical manufacturing	110
5. Lean culture, personnel, and continuous improvement of a pharmaceutical enterprise	121

Chapter 6

Modern Approaches to Pharmacy Management in the Context of Healthcare System Transformation (Hadiak I.)

	136
1. Practical Implementation of a Customer-Centric Approach in Pharmacies in Ukraine	138
2. Pharmaceutical Care as a Tool for Improving the Quality of Pharmaceutical Services	146

Chapter 7

Scaling technological processes for the production of multicomponent herbal medicines with targeted action (Hnativ I.)	163
1. Technology transfer to production facilities	164
2. Transfer of product quality control methods	167

Chapter 8

Management dysfunction of the polyclinic-ambulatory sector in Ukraine's territorial medical associations: collapse syndromes, workforce losses and the autonomy restoration concept (Hrytsko R.)	176
1. Institutional Preconditions for the Formation of TMAs: Between Reformist Intent and Managerial Reality	178
2. Five Syndromes of Managerial Collapse: Typology and Mechanisms of Deployment	182
3. Workforce Degradation as a Derivative of Managerial Dysfunction: The Phenomenon of Nursing Outflow	188
4. The Labor Market in Public Health Administration: Structural Mismatch and the Institutional Trap of Incompetence	193
5. Quasi-Market Governance Model and Three Strategic Scenarios of Restructuring	198
6. The Public-Managerial Dimension: From Local Dysfunction to Systemic Reform	203

Chapter 9

Physical rehabilitation as a component of innovative solutions for management of hydroecological threats during the war in Ukraine: from pre-prosthetic preparation to post-prosthetic recovery (Ivanets O.)	211
1. Hydroecological threats during the war in Ukraine and their impact on public health	213
2. Physical rehabilitation in the system of response to hydroecological threats in wartime	216
3. Pre-prosthetic and post-prosthetic rehabilitation as a stage of restoring functional independence of individuals after combat injuries in the crisis response system for hydroecological disasters	220

Chapter 10

Conceptual foundations of managing the sustainable development of an enterprise based on social entrepreneurship (Karpenko O., Hutsalo P.)	229
1. Social entrepreneurship as a modern management model for creating social value	236
2. Management mechanisms for integrating a social mission into enterprise strategy	244

Chapter 11	
International experience in quality management in the pharmaceutical industry: opportunities for adaptation by Ukrainian enterprises (Liashenko-Shcherbakova V.)	275
1. Conceptual Foundations of Quality Management in the Pharmaceutical Industry	276
2. International Regulatory Framework for Pharmaceutical Quality Assurance	280
3. Foreign Models and Practices of Pharmaceutical Quality Management	284
4. Challenges of Adapting International Quality Management Practices to Ukrainian Pharmaceutical Enterprises	294
Chapter 12	
Medical management in VUCA conditions (Poplavska Zh.)	306
1. VUCA in healthcare	307
2. From VUCA to BANI in healthcare	309
3. Key strategies for healthcare organizations and their employees	314
Chapter 13	
Procurement activities in a healthcare institution as a management tool for ensuring balance, financial sustainability and competitiveness (Rudinska O., Tserkovna A., Annenkova I.)	320
1. The managerial nature and specificity of procurement in a healthcare institution	321
2. The impact of procurement management on the quality, financial sustainability and competitiveness of a healthcare institution	324
3. Problems, risks and directions for improving procurement management	330
HUMAN CAPITAL AND PERSONNEL SECURITY IN HEALTHCARE: INVESTMENT AND INNOVATION PARADIGM, GLOBAL MOBILITY, AND LEADERSHIP IN TURBULENT TIMES	
Chapter 14	
Development of Human Resource Policy in Healthcare Institutions as an Instrument for Ensuring HR Resilience Under Martial Law (Borshch V., Mykolaichuk I., Zhukovska V.)	340
1. Theoretical and Managerial Foundations of Human Resource Policy in Healthcare	345
2. HR Resilience as a Modern Concept of Managing the Human Resource Potential of the Healthcare System	354
Chapter 15	
Assessment of Learning Outcomes and Graduate Satisfaction in Accredited Dental Education Programs in Georgia (Japaridze F., Gogotishvili M., Bakradze M., Zosidze N.)	368
1. Theoretical part	369
2. Research analyses part	373