



About the approval of the state obligatory standards on levels of education in the field of health care

Order of the Minister of Health of the Republic of Kazakhstan dated July 4, 2022 No. ҚР ДСМ-63. Registered with the Ministry of Justice of the Republic of Kazakhstan on July 5, 2022 No. 28716

In accordance with paragraph 2 of Article 221 of the Code of the Republic of Kazakhstan "On the health of the people and the healthcare system" and Article 56 of the Law of the Republic of Kazakhstan "On Education" I ORDER:

1. Approve:

- 1) the state obligatory standard of technical and vocational education in accordance with Appendix 1 to this order;
- 2) the state compulsory standard of post-secondary education in accordance with Appendix 2 to this order;
- 3) the state compulsory standard of higher education in accordance with Appendix 3 to this order;
- 4) the state compulsory standard of postgraduate education in accordance with Appendix 4 to this order.

2. Recognize as invalid some orders in the field of healthcare according to the list in accordance with Appendix 5 to this order.

3. The Department of Science and Human Resources of the Ministry of Health of the Republic of Kazakhstan, in accordance with the procedure established by the legislation of the Republic of Kazakhstan, shall ensure:

- 1) state registration of this order with the Ministry of Justice of the Republic of Kazakhstan;
- 2) placement of this order on the Internet resource of the Ministry of Health of the Republic of Kazakhstan;
- 3) within ten working days after the state registration of this order with the Ministry of Justice of the Republic of Kazakhstan, submission to the Legal Department of the Ministry of Health of the Republic of Kazakhstan of information on the implementation of the measures provided for in subparagraphs 1) and 2) of this paragraph.

4. To impose control over the execution of this order on the supervising Vice Minister of Health of the Republic of Kazakhstan.

5. This order comes into force from the date of its first official publication.

Minister of Health

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Republic of Kazakhstan

"AGREED"

Ministry of Education

Republic of Kazakhstan

"AGREED"

Ministry of Science

and higher education

Republic of Kazakhstan

Annex 4 to the order

Minister of Health

Republic of Kazakhstan

July 4, 2022

№ ҚР DSM-63

State obligatory standard of postgraduate education

Chapter 1. General Provisions

1. This state compulsory standard of postgraduate education (hereinafter referred to as the standard) was developed in accordance with paragraph 2 of Article 221 of the Code of the Republic of Kazakhstan "On the health of the people and the healthcare system" (hereinafter referred to as the Code), article 56 of the Law of the Republic of Kazakhstan "On education" (hereinafter referred to as Law) and defines the requirements for the content of education with a focus on learning outcomes, the maximum volume of the teaching load of students, the level of training of students, the period of study in organizations of higher and (or) postgraduate education (hereinafter - OVPO), national and (or) research centers, scientific -research institutes accredited as residency bases (hereinafter referred to as Research Institutes/NCs), regardless of their form of ownership and departmental subordination.

Chapter 2. Requirements for the content of educational programs of postgraduate education in the field of healthcare

Paragraph 1 Requirements for the content of educational programs of postgraduate education in the field of healthcare in residency

2. OVPO, research institutes / NC independently develop educational programs in accordance with the requirements of the standard and TUPL for residency specialties, reflecting the learning outcomes, on the basis of which curricula (RUPL, individual curricula of a resident doctor) and syllabuses are developed.

3. The residency educational program ensures the integration of practice and theory, includes the content, the sequence of training of a resident doctor with the definition of

goals and learning outcomes based on the performance of tasks and the provision of medical care to the population.

The integration of training and provision of medical services implies, on the one hand, the provision of proper medical care by a resident doctor, on the other hand, training opportunities are embedded in service functions.

Training is based on practice with the involvement of resident doctors in personal participation in the provision of services and responsibility for the activities of providing care to patients in medical organizations recognized as residency bases.

4. OVPO, Research Institute / Scientific Center provides sufficient material and technical base for teachers and resident doctors, which allows to ensure adequate implementation of the educational program, effective use of clinical bases, personnel, educational, information resources in order to train specialist doctors, paying due attention to the functions of the medical service, involving in all types of medical activities - including on duty - as part of the appropriate training, according to the standard work schedule. The conditions for the provision of medical services and the responsibility of resident doctors are determined and communicated to all parties.

5. Accreditation of clinical bases of residency is carried out by the OVPO, research institutes / scientific centers based on an assessment of the activities of a medical organization for compliance with the standards and criteria developed by the authorized body in the field of healthcare.

6. OVPO, Research Institute / Scientific Center carries out educational activities in accordance with the obtained license and throughout the entire period of its validity, complies with the qualification requirements for educational activities, and the list of documents confirming compliance with them, approved by order of the Minister of Education and Science of the Republic of Kazakhstan dated June 17, 2015 No. 391 "On approval of qualification requirements for educational activities and the list of documents confirming compliance with them" (registered in the Register of State Registration of Regulatory Legal Acts under No. 11716) (hereinafter - Order No. 391).

7. The resident doctor works under the supervision of a mentor at the residency bases during the course of the discipline and (or) module with regular assessment and feedback. Upon completion of the cycle of discipline and (or) module, the student is certified in the manner prescribed by the OVPO, research institutes / NCs. The mentor is appointed from among qualified practical healthcare professionals working on residency bases with at least 5 years of experience in the relevant specialty. The work schedule and the procedure for securing a mentor is determined by the residency base independently in agreement with the OVPO, research institutes / NCs.

8. Every year, at the end of the academic year, the resident doctor undergoes certification for the implementation of an individual educational work plan, a plan of clinical and research work, agreed with the head. The procedure for the annual attestation of a student of residency is determined by the OVPO, research institutes / NCs independently.

9. A resident doctor who has completed the training program is eligible for the Final Attestation. The purpose of the final certification is to assess the professional readiness of graduates upon completion of the residency program.

10. The assessment of the professional preparedness of graduates of educational programs in the field of health care is included in the structure of the final certification, is carried out in accordance with the rules for assessing the professional preparedness of graduates, approved by order of the Minister of Health of the Republic of Kazakhstan dated December 11, 2020 No. KP ДСМ-249/2020 "On approval of the rules for assessing knowledge and skills of students, assessment of professional readiness of graduates of educational programs in the field of healthcare and healthcare professionals" (registered in the Register of State Registration of Normative Legal Acts under No. 21763).

The purpose of the final certification is to assess the professional readiness of graduates upon completion of the study of the residency educational program.

11. Positive results of the final certification of graduates of educational programs in the field of health allow you to receive a document on education and a certificate of a specialist in the field of health.

12. To conduct the final attestation, a final attestation commission is formed for residency specialties. The commission includes at least five members.

13. The time of training in residency is included in the length of service of a medical specialist.

14. Persons with a diploma of higher or continuous integrated medical education and a document indicating the qualification "doctor" are accepted for residency. a document indicating the qualification "doctor".

15. A person studying in residency with the aim of obtaining a professional qualification masters the educational program in full, in accordance with the TUPL.

16. A person studying in residency with the aim of changing professional qualifications masters the program in accordance with the model plan of the specialty. OVPO, research institutes / scientific centers, taking into account the recognition of previously achieved learning outcomes of formal education in accordance with the standard plan of the specialty, together with the student, form an individual curriculum.

Paragraph 2 Requirements for the content of educational programs of postgraduate education in the field of healthcare in the magistracy

17. The content of the educational program of the master's program consists of:

- 1) theoretical education, including the study of cycles of basic and major disciplines;
- 2) practical training of undergraduates: various types of practices, scientific or professional internships;
- 3) research work, including the implementation of a master's thesis for a scientific and pedagogical magistracy and experimental research work, including the implementation of a master's project for a specialized magistracy;
- 4) final certification.

18. The cycles of basic (hereinafter - DB) and profiling (hereinafter - PD) disciplines include the disciplines of VC and VC.

19. The list of disciplines of the university component and CV is determined by the OVPO independently. At the same time, the needs of the labor market, the expectations of employers, the needs and interests of undergraduates are taken into account.

The university component of the database cycle of all educational programs of the master's program in the scientific and pedagogical direction includes the disciplines "History and philosophy of science", "Foreign language (professional)", "Pedagogy of higher education", "Psychology of management", for the profile direction - the disciplines "Management", " Psychology of management", "Foreign language (professional)".

OVPO develops integrated programs in the disciplines of the VC cycle of the database, which are interdisciplinary in nature.

20. In the master's program in the scientific and pedagogical direction, the volume of the database cycle is 35 academic credits. Of these, 20 academic credits are allocated to VC.

21. In the master's program of the profile direction, the volume of the database cycle in the total volume of the master's educational program is 10 academic credits (with a study period of 1 year) and 15 academic credits (with a study period of 1.5 years). Of these, the volume of VC disciplines is 6 academic credits with a study period of 1 year and 1.5 years.

22. In the master's program in the scientific and pedagogical direction, the volume of the PD cycle is 49 academic credits in the total volume of the educational program of the master's program.

23. In the master's program of the profile direction, the volume of the PD cycle is 25 academic credits (with a term of study of 1 year) and 45 academic credits (with a term

of study of 1.5 years) in the total volume of the master's educational program, which are distributed between VC and VC independently by the OVPO.

24. Programs of disciplines and modules are interdisciplinary and multidisciplinary in nature, providing training at the intersection of a number of areas of knowledge.

25. OVPO carries out educational activities in accordance with the obtained license and, throughout the entire period of its validity, complies with the qualification requirements for educational activities and the list of documents confirming compliance with them, approved by Order No. 391.

26. Planning the content of education, the method of organizing and conducting the educational process is carried out by the OVPO independently on the basis of credit technology of education.

27. In the master's program in the scientific and pedagogical direction, educational programs of postgraduate education are being implemented to train scientific and scientific-pedagogical personnel for colleges, OVPO and scientific organizations with in-depth scientific, pedagogical and research training.

28. In the magistracy in the profile direction and within the framework of continuous integrated education, educational programs of postgraduate education are being implemented to train doctors, managers and experts for the healthcare system.

29. A mandatory component of the master's program are:

- 1) practical training of undergraduates, including various types of practices, scientific or professional internships;
- 2) research work, including the implementation of a master's thesis for a scientific and pedagogical magistracy.

30. The educational program of the scientific and pedagogical magistracy includes two types of practices that are carried out in parallel with theoretical training or in a separate period:

- 1) pedagogical in the database cycle - in the OVPO;
- 2) research in the PD cycle - at the place of dissertation completion.

31. Pedagogical practice is carried out with the aim of developing practical skills in teaching and learning methods. At the same time, undergraduates are involved in conducting undergraduate studies at the discretion of the OVPO.

32. The research practice of the undergraduate is carried out in order to familiarize with the latest theoretical, methodological and technological achievements of domestic and foreign science, modern methods of scientific research.

33. The educational program of the specialized master's program includes work experience in the PD cycle.

Industrial practice in the PD cycle is carried out with the aim of consolidating the theoretical knowledge gained in the learning process, acquiring practical skills, competencies and professional experience in the master's educational program being trained, as well as mastering best practices.

34. The content of the research practice is determined by the topic of the dissertation research.

35. As part of the research work of a master student (hereinafter referred to as SRRM), the individual work plan of a master student to get acquainted with innovative technologies and new types provides for a mandatory scientific internship in scientific organizations and (or) organizations of relevant industries or fields of activity.

NIRM is planned in parallel with other types of educational work or in a separate period.

The duration of SRRM in the scientific and pedagogical master's program is at least 24 credits, EIRM in the profile master's program (with a study period of 1 year) and with continuous integrated education - at least 13 credits, in the profile master's program (with a study period of 1.5 years) - at least 18 loans.

36. The results of the research work at the end of each period of their passage are drawn up by the undergraduate in the form of a report.

37. Requirements for the research work of a master student in the scientific and pedagogical master's program:

- 1) corresponds to the profile of the educational program of the master's program, according to which the master's thesis is being carried out and defended;
- 2) relevant and contains scientific novelty and practical significance;
- 3) is based on modern theoretical, methodological and technological achievements of science and practice;
- 4) is performed using modern methods of scientific research;
- 5) contains research (methodological, practical) sections on the main protected provisions;
- 6) is based on advanced international experience in the relevant field of knowledge.

38. Requirements for the experimental research work of a master student in a specialized master's program:

- 1) corresponds to the profile of the educational program of the master's program, according to which the master's project is carried out and defended;
- 2) is based on modern achievements in science, technology and production and contains specific practical recommendations, independent solutions to management problems;
- 3) is performed using advanced information technologies;

4) contains experimental and research (methodological, practical) sections on the main protected provisions.

39. Every year, at the end of the academic year, the undergraduate passes academic certification for the implementation of an individual work plan. The procedure for conducting academic certification of a master student is determined by the OVPO independently.

40. The final result of the research work of a master student is a master's thesis.

41. The main results of the master's thesis are presented in at least one publication or one speech at a scientific and practical conference.

42. OVPO assists the undergraduate in the publication of the results of the study.

43. Within two months after enrollment, each undergraduate to supervise the master's thesis is assigned a supervisor in accordance with the qualification requirements of order No. 391.

The scientific adviser and the topic of research of the undergraduate are approved by the decision of the Academic Council.

44. Requirements for the content and design of a master's thesis (project), their preparation and defense are determined by the OVPO independently.

45. A master's thesis (project) must be checked for plagiarism, the rules and procedures for which are determined by the OVPO independently.

46. The defense of a master's thesis (project) includes the preparation of a master's thesis (project), its (his) execution and the defense procedure.

47. The procedure for defending a master's thesis (project) is determined by the OVPO independently.

48. A master who has graduated from a profile master's program is allowed to teach after additional mastering of the educational program of a master's program in a pedagogical profile.

49. The final certification is at least 12 academic credits in the total volume of the educational program of the master's program in scientific, pedagogical and specialized areas and is carried out in the form of writing and defending a master's thesis (project).

50. The purpose of the final certification is to assess the learning outcomes and key competencies achieved upon completion of the master's educational program.

In case of obtaining a negative result ("unsatisfactory") of the final certification, the graduate is allowed to a single re-final certification in the current academic year by decision of the final certification commission after the elimination of the identified comments, within the time period determined by the final certification commission. A graduate who received a negative result ("unsatisfactory") upon re-passing the final certification, in accordance with paragraph 6 of Article 39 of the Law "On Education",

is issued a certificate of the established form on the completion of a full course of study in the specialty (profession).

51. OVPO independently develops educational programs for postgraduate education in accordance with the requirements of the standard, reflecting the learning outcomes, on the basis of which curricula (RUPL, individual student curricula) and working curricula for disciplines (syllabuses) are developed.

Educational programs of the master's degree in education are developed according to the principle of modular education.

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Chapter 3

Paragraph 2 Requirements for the volume of the study load of students in educational programs of postgraduate education in the field of health in the magistracy

76. The study load is measured by the time required for a master's student to study an academic discipline, module or the entire educational program of the master's program and necessary to achieve the established learning outcomes in the educational program of the master's program.

77. The study load includes all the educational activities of the undergraduate - lectures, seminars, group classes, group exercises, practical classes, term papers (projects), practical and laboratory work, practice, scientific or professional internship, research work, master's thesis (project), independent work, including under the guidance of a teacher.

78. A master student is trained on the basis of an individual work plan, which is compiled under the guidance of a supervisor.

79. An individual work plan for a master student is drawn up for the entire period of study and includes the following sections:

- 1) IEP (updated annually);
- 2) research work (topic, direction of research, timing and form of reporting);
- 3) practice (program, base, terms and reporting form);
- 4) the topic of the master's thesis (master's project) with justification and structure;
- 5) plan for the implementation of the master's thesis (master's project);
- 6) plan for scientific publications, internships.

80. When determining the undergraduate workload, it is assumed that the academic year consists of academic periods, the forms of which (semester - 15 weeks, trimester - 10 weeks, quarter - 7-8 weeks) are determined by the OVPO independently, taking into account the period of the final certification (at graduation course).

81. The full academic load of one academic year corresponds to at least 60 academic credits and corresponds to at least 1800 academic hours per academic year. At the same time, during one semester, the student masters at least 30 academic credits.

82. One academic credit corresponds to 30 academic hours.

83. Master students acquire less or more academic credits per semester. For certain categories of undergraduates, depending on the form and technology of training, the actual time to achieve learning outcomes differs and is calculated by the AEEP independently.

Disciplines are mastered during one, several academic periods.

84. The main criterion for the completion of training in master's programs is the development by students of:

1) in the scientific and pedagogical magistracy at least 120 academic credits for the entire period of study, including all types of educational and scientific activities of the undergraduate;

2) in the specialized master's program 60 academic credits with a study period of 1 year and 90 academic credits with a study period of 1.5 years.

3) under the programs of continuous integrated education "Medicine", "Pediatrics" - at least 360 academic credits; "Dentistry" - at least 300 academic credits.

Chapter 4. Requirements for the level of training of students in educational programs of postgraduate education in the field of health

Paragraph 2 Requirements for the level of training of students in educational programs of postgraduate education in the field of healthcare in the magistracy

98. The requirements for the level of preparation of a master's student are determined on the basis of the Dublin descriptors for the second level of higher education (master's) and reflect the acquired competencies, expressed in the achieved learning outcomes.

Learning outcomes are formulated both at the level of the entire educational program of the master's program, and at the level of individual modules or academic discipline.

99. Descriptors reflect the learning outcomes that characterize the student's abilities:

1) demonstrates knowledge and understanding of the interdisciplinary nature of health research;

2) is able to acquire new knowledge and skills of an applied nature in research, professional and teaching activities in the field of healthcare;

3) is able to solve problems in the field of healthcare within the framework of his qualifications on the basis of scientific approaches;

4) use scientific information for the development of the healthcare field and the introduction of new approaches within the framework of their qualifications;

5) clearly and unambiguously communicates information, ideas, conclusions, problems and solutions to both specialists and non-specialists in their area of expertise in the field of healthcare;

6) plans professional activities in his field of qualification in the field of healthcare, based on modern achievements in science and practice;

7) engages in professional development, demonstrates skills of introspection, experience for teaching at the level of higher education.

100. Persons who have completed their studies in the educational program of the magistracy and successfully passed the final certification are awarded the degree of "Master of Medical Sciences" or "Master of Health" in the educational program "code and name of the educational program" and are issued a diploma of postgraduate education with an application (transcript) free of charge .

Persons who have completed training in continuing integrated medical education programs and successfully passed the final certification are awarded the degree of "Master of Medicine" and a diploma of postgraduate education with an application (transcript) and (or) a pan-European Diploma Supplement (Diploma Supplement), certificate about the completion of the internship and a certificate of a specialist in the field of health.

101. OVPO additionally issues a pan-European Diploma Supplement (Diploma Supplement) to the graduate free of charge.

Chapter 5

Paragraph 2 Requirements for the terms of study of students in educational programs of postgraduate education in the field of health in the magistracy

108. The term of study in the magistracy is determined by the amount of mastered academic credits. Upon mastering the established amount of academic credits and achieving the expected learning outcomes for obtaining a master's degree, the master's educational program is considered to be fully mastered.

109. The training of personnel in the magistracy is carried out on the basis of educational programs of higher education in two areas:

- 1) scientific and pedagogical with a period of study of at least two years;
- 2) profile with a period of study of at least one year.

Annex 5 to the order
Minister of Health
Republic of Kazakhstan
July 4, 2022
№ ҚР DSM-63

List of invalidated certain orders in the field of health

1. Order of the Acting Minister of Health and Social Development of the Republic of Kazakhstan dated July 31, 2015 No. 647 "On approval of state mandatory standards and standard professional training programs for medical and pharmaceutical

specialties" (registered in the Register of State Registration of Normative Legal Acts under No. 12007).

2. Order of the Minister of Health and Social Development of the Republic of Kazakhstan dated July 29, 2016 No. 661 "On amendments and additions to the order of the Acting Minister of Health and Social Development of the Republic of Kazakhstan dated July 31, 2015 No. 647 "On approval of state compulsory standards and model professional curricula in medical and pharmaceutical specialties" (registered in the Register of State Registration of Normative Legal Acts under No. 14246).

3. Order of the Minister of Health of the Republic of Kazakhstan dated June 29, 2017 No. 471 "On amendments and additions to the order of the Acting Minister of Health and Social Development of the Republic of Kazakhstan dated July 31, 2015 No. 647 "On approval of state compulsory standards and standard professional training programs for medical and pharmaceutical specialties" (registered in the Register of State Registration of Regulatory Legal Acts under No. 15362).

4. Order of the Minister of Health of the Republic of Kazakhstan dated July 17, 2017 No. 530 "On amendments and additions to the order of the Acting Minister of Health and Social Development of the Republic of Kazakhstan dated July 31, 2015 No. 647 "On approval of state compulsory standards and standard professional training programs for medical and pharmaceutical specialties" (registered in the Register of State Registration of Regulatory Legal Acts under No. 15382).

5. Clause 2 of the order of the Minister of Health of the Republic of Kazakhstan dated October 11, 2018 No. ҚР DSM-26 "On amendments and additions to the order of the Minister of Health of the Republic of Kazakhstan dated April 14, 2017 No. 165 "On approval of Model programs for advanced training and retraining of medical and pharmaceutical Personnel" and in the order of the Acting Minister of Health and Social Development of the Republic of Kazakhstan dated July 31, 2015 No. 647 "On approval of state mandatory standards and standard professional training programs for medical and pharmaceutical specialties" (registered in the Register of State Registration of Regulatory Legal Acts under No. 17684).

6. Order of the Minister of Health of the Republic of Kazakhstan dated February 21, 2020 No. KR DSM-12/2020 "On Amendments to the Order of the Acting Minister of Health and Social Development of the Republic of Kazakhstan dated July 31, 2015 No. 647" On approval of state compulsory standards and standard professional training programs in medical and pharmaceutical specialties" (registered in the Register of State Registration of Normative Legal Acts under No. 20071).

