



***Improvement of children care teaching as a
template for
modernizing postgraduate medical
education in Central
Asia – CHILDCA***

QUALITY ASSURANCE REPORT n°3

2023



Project Title: Improvement of children care teaching as a template for modernising postgraduate medical education in Central Asia – CHILDCA

Project n.: 598399-EPP-1-2018-1-IT-EPPKA2-CBHE-JP

Project Duration: 3 years + 1-year extension

Start Date: 15 Jan 2019

End Date: 14 Jan 2023 (extended)

Deliverable: D7.1. Quality Assurance Reports 1,2,3

Work package: WP7, Quality Assurance

Date of Delivery: 14/01/2023

Confidentiality Status: Open

Author (Partner Institution): UNIPV

Abstract: This document is the third of the three Quality Assurance Reports (D.7.1.) of the CHILDCA project. The aim of the QAR is to provide a detailed report of the project achievements and state of implementation of the activities foreseen.



Contents

Introduction	4
Consortium	5
GANTT Table	6
UEMS Quality Assurance Report	14
Project Final Meeting in Almaty, 10-11 January 2023	21
Training and Internships in the EU (WP4: activities 4.4, 4.7)	30
Social Media Reports	41
Dissemination Activities	45

Introduction

The Quality Assurance Report is intended to provide an overview and evaluation of the results achieved by the project consortium, through the established quality tools, prescribed by the Quality Assurance Plan.

The project's Quality Assurance Plan provides for a double-level system of evaluation: internal and external.

- Internal component: together with the contractual agreements, the monitoring and quality granting systems include, for certain tracing activities (workshops, internships, training), the use of quality instruments, such as questionnaires, with the aim of assessing goals and identifying strengths and weaknesses.
- External component: the subcontracting of an external expert (UEMS – Union of European Medical Specialists) has been provided in order to reach the quality objectives of the CHILDCA project. The UEMS representatives contribute, with particular expertise and specific competences, to the baseline and final evaluation of the project impact and activities. The results of the external evaluation are provided in the Quality assurance report n.1.

Accordingly, the present report contains:

- Qualitative/ quantitative data:
 - GANTT table, revised with the effective timeline of activities implementation;
 - Project Final Meeting's outcomes. Responses to questionnaires and activities evaluation reports;
 - Training Results;
 - Social Media Reports;
 - Dissemination Activities.

Consortium

Full partners:

Europe

University of Pavia – coordinator (UNIPV)
University of Freiburg, Germany
Jagiellonian University, Poland

Kazakhstan

Asfendiyarov Kazakh National Medical University (KazNMU)
Al-Farabi Kazakh National University (KazNU)
Kazakh Medical University (VSHOZ)

Uzbekistan

Tashkent Pediatric Medical Institute (TPMI)
Bukhara State Medical Institute (BSMI)

Tajikistan

Avicenna Tajik State Medical University (ATSMU)
Institute of Postgraduate Education in Health Sphere of Republic of Tajikistan (IPOvZRT)
Khatlon State Medical University (KHSMU)

Associate partners:

EDEN – European Distance and E-learning network
Kazakhstan Ministry of Education and Science
Kazakhstan Ministry of Public Health
Ministry of Higher Education and Secondary Specialized Education of the Republic of Uzbekistan
Ministry of Health of the Republic of Uzbekistan
Republican Specialized Scientific Medical Center of Pediatrics
Tashkent Institute of Postgraduate Medical Education

GANTT Table

1 year

		2019											
		gen-19	feb-19	mar-19	apr-19	mag-19	giu-19	lug-19	ago-19	set-19	ott-19	nov-19	dic-19
	Not Planned												
Kick off meeting Brussels	Implemented												
Kick off meeting ChildCA (planned but not included in the workplan)	Originally Planned												
	Implemented												
1.1 Creation of 'ad hoc questionnaires' for the survey of user needs and actual situation	Originally Planned												
	Implemented												
1.2 Dissemination of questionnaires and collection of relative answers	Originally Planned												
	Implemented												
1.3 Creation of a database to compare the various curricula adopted in the partner Countries	Originally Planned												
	Implemented												
1.4 Survey on the teaching methods adopted in the partner Countries	Originally Planned												
	Implemented												
1.5 Elaboration of the 'Baseline document for CA curricular proposal children care management'	Originally Planned												
	Implemented												
1.6 Presentation of the baseline documents before the authorities of the main national and regional actors.	Originally Planned												
	Implemented												
1.7 Baseline evaluation of a sample of trainees	Originally Planned												
	Implemented												
D1.1 Creation of ad hoc questionnaires for the survey of user needs and actual situation	Originally Planned												
	Implemented												
2.1 Elaboration of the census template for Pediatrics, Pediatric Surgery and Child Neuropsychiatry	Originally Planned												
	Implemented												
2.2 Collection of addresses of all Pediatric Centers in each CA country	Originally Planned												
	Implemented												
2.3 Dissemination of the census scheme via the Internet to all Centers	Originally Planned												
	Implemented												
2.4 Collection and analysis data from the Centers	Originally Planned												
	Implemented												
2.5 Preparation and dissemination of a summative document with all the data collected	Originally Planned												
	Implemented												
D2.1 Data collection template to realise the census	Originally Planned												
	Implemented												
Coordination meeting and workshop in Bukhara (planned in Tashkent and not included in the workplan)	Implemented												
Coordination meeting in Dushanbe (planned but not included in the workplan)	Implemented												
3.1 Study and draft of a curriculum for the postgraduate training in Pediatrics.	Originally Planned												
	Implemented												
3.2 Study and draft of a curriculum for the postgraduate training in Pediatric Surgery.	Originally Planned												
	Implemented												
3.3 Study and draft of a curriculum for the postgraduate training in Child Neuropsychiatry.	Originally Planned												
	Implemented												
3.4 Study and draft of a common curriculum in Clinical Genetics, Genetic counselling and Bioethics	Originally Planned												
	Implemented												
D 3.1 New curriculum for postgraduate training in Pediatrics	Originally Planned												
	Implemented												
D 3.2 New curriculum for postgraduate training in Pediatric Surgery	Originally Planned												
	Implemented												
D3.3 New curriculum for postgraduate training in Child Neuropsychiatry	Originally Planned												
	Implemented												
4.1 Preparation of a modular training course for CA HEIs teachers	Originally Planned												
	Implemented												
4.2 Development of course materials.	Originally Planned												
	Implemented												
4.3 Implementation of virtual training course	Originally Planned												
	Implemented												
4.4 Implementation of practical training course	Originally Planned												
	Rescheduled												
	Implemented												
4.5 Evaluation of the training course (teachers).	Originally Planned												
	Implemented												
4.6 Selection of young academics for stages in EU HEI	Originally Planned												
	Implemented												
4.7 Updating stages in EU HEI	Originally Planned												
	Rescheduled												
	Implemented												
D4.1 Programme of modular the course for staff and teachers	Originally Planned												
	Implemented												
5.1 Management of the approval of the trial by legal authorities.	Originally Planned												
	Implemented												
5.2 Selection and designation of the teachers.	Originally Planned												
	Rescheduled												
	Implemented												
5.3 Pre-enrollment and admission procedures of the trainees	Originally Planned												
	Rescheduled												
	Implemented												
5.4 Trial implementation of the first year of the new curricula.	Originally Planned												
	Rescheduled												
	Implemented												
D5.1 Approval of the trial on new curricula by legal authorities	Originally Planned												
	Rescheduled												
	Implemented												

2 year

		2020											
		gen-20	feb-20	mar-20	apr-20	mag-20	giu-20	lug-20	ago-20	set-20	ott-20	nov-20	dic-20
	Not Planned												
Kick off meeting Brussels	Implemented												
Kick off meeting ChildCA (planned but not included in the workplan)	Originally Planned												
	Implemented												
1.1 Creation of 'ad hoc questionnaires' for the survey of user needs and actual situation	Originally Planned												
	Implemented												
1.2 Dissemination of questionnaires and collection of relative answers	Originally Planned												
	Implemented												
1.3 Creation of a database to compare the various curricula adopted in the partner Countries	Originally Planned												
	Implemented												
1.4 Survey on the teaching methods adopted in the partner Countries	Originally Planned												
	Implemented												
1.5 Elaboration of the 'Baseline document for CA curricular proposal children care management'	Originally Planned												
	Implemented												
1.6 Presentation of the baseline documents before the authorities of the main national and regional actors.	Originally Planned												
	Implemented												
	Originally Planned												
1.7 Baseline evaluation of a sample of trainees	Implemented												
	Implemented												
D1.1 Creation of ad hoc questionnaires for the survey of user needs and actual situation	Originally Planned												
	Implemented												
2.1 Elaboration of the census template for Pediatrics, Pediatric Surgery and Child Neuropsychiatry	Originally Planned												
	Implemented												
2.2 Collection of addresses of all Pediatric Centers in each CA country	Originally Planned												
	Implemented												
2.3 Dissemination of the census scheme via the Internet to all Centers	Originally Planned												
	Implemented												
	Originally Planned												
2.4 Collection and analysis data from the Centers	Implemented												
	Implemented												
2.5 Preparation and dissemination of a summative document with all the data collected	Originally Planned												
	Implemented												
D2.1 Data collection template to realise the census	Originally Planned												
	Implemented												
Coordination meeting and workshop in Bukhara (planned in Tashkent and not included in the workplan)	Implemented												
	Implemented												
Coordination meeting in Dushanbe (planned but not included in the workplan)	Implemented												
	Implemented												
3.1 Study and draft of a curriculum for the postgraduate training in Pediatrics.	Originally Planned												
	Implemented												
3.2 Study and draft of a curriculum for the postgraduate training in Pediatric Surgery.	Originally Planned												
	Implemented												
3.3 Study and draft of a curriculum for the postgraduate training in Child Neuropsychiatry.	Originally Planned												
	Implemented												
3.4 Study and draft of a common curriculum in Clinical Genetics, Genetic counselling and Bioethics	Originally Planned												
	Implemented												
	Originally Planned												
D 3.1 New curriculum for postgraduate training in Pediatrics	Implemented												
	Implemented												
D 3.2 New curriculum for postgraduate training in Pediatric Surgery	Originally Planned												
	Implemented												
D3.3 New curriculum for postgraduate training in Child Neuropsychiatry	Originally Planned												
	Implemented												
4.1 Preparation of a modular training course for CA HEIs teachers	Originally Planned												
	Implemented												
	Originally Planned												
4.2 Development of course materials.	Implemented												
	Implemented												
4.3 Implementation of virtual training course	Originally Planned												
	Implemented												
	Originally Planned												
4.4 Implementation of practical training course	Rescheduled												
	Implemented												
4.5 Evaluation of the training course (teachers).	Originally Planned												
	Implemented												
4.6 Selection of young academics for stages in EU HEI	Originally Planned												
	Implemented												
	Originally Planned												
4.7 Updating stages in EU HEI	Rescheduled												
	Implemented												
	Originally Planned												
D4.1 Programme of modular the course for staff and teachers	Implemented												
	Implemented												
5.1 Management of the approval of the trial by legal authorities.	Originally Planned												
	Implemented												
	Originally Planned												
5.2 Selection and designation of the teachers.	Rescheduled												
	Implemented												
	Originally Planned												
5.3 Pre-enrollment and admission procedures of the trainees	Rescheduled												
	Implemented												
	Originally Planned												
5.4 Trial implementation of the first year of the new curricula.	Rescheduled												
	Implemented												
	Originally Planned												
D5.1 Approval of the trial on new curricula by legal authorities	Rescheduled												
	Implemented												

3 year

		2021											
		gen-21	feb-21	mar-21	apr-21	mag-21	giu-21	lug-21	ago-21	set-21	ott-21	nov-21	dic-21
	Kick off meeting Brussels	Not Planned											
		Implemented											
	Kick off meeting ChildCA (planned but not included in the workplan)	Originally Planned											
		Implemented											
	1.1 Creation of 'ad hoc questionnaires' for the survey of user needs and actual situation	Originally Planned											
		Implemented											
	1.2 Dissemination of questionnaires and collection of relative answers	Originally Planned											
		Implemented											
	1.3 Creation of a database to compare the various curricula adopted in the partner Countries	Originally Planned											
		Implemented											
	1.4 Survey on the teaching methods adopted in the partner Countries	Originally Planned											
		Implemented											
	1.5 Elaboration of the 'Baseline document for CA curricular proposal children care management'	Originally Planned											
		Implemented											
	1.6 Presentation of the baseline documents before the authorities of the main national and regional actors.	Originally Planned											
		Implemented											
	1.7 Baseline evaluation of a sample of trainees	Originally Planned											
		Implemented											
	D2.1 Creation of ad hoc questionnaires for the survey of user needs and actual situation	Originally Planned											
		Implemented											
	2.1 Elaboration of the census template for Pediatrics, Pediatric Surgery and Child Neuropsychiatry	Originally Planned											
		Implemented											
	2.2 Collection of addresses of all Pediatric Centers in each CA country	Originally Planned											
		Implemented											
	2.3 Dissemination of the census scheme via the Internet to all Centers	Originally Planned											
		Implemented											
	2.4 Collection and analysis data from the Centers	Originally Planned											
		Implemented											
	2.5 Preparation and dissemination of a summative document with all the data collected	Originally Planned											
		Implemented											
	D2.1 Data collection template to realise the census	Originally Planned											
		Implemented											
	Coordination meeting and workshop in Bukhara (planned in Tashkent and not included in the workplan)	Implemented											
	Coordination meeting in Dushanbe (planned but not included in the workplan)	Implemented											
	3.1 Study and draft of a curriculum for the postgraduate training in Pediatrics.	Originally Planned											
		Implemented											
	3.2 Study and draft of a curriculum for the postgraduate training in Pediatric Surgery.	Originally Planned											
		Implemented											
	3.3 Study and draft of a curriculum for the postgraduate training in Child Neuropsychiatry.	Originally Planned											
		Implemented											
	3.4 Study and draft of a common curriculum in Clinical Genetics, Genetic counseling and Bioethics	Originally Planned											
		Implemented											
	D 3.1 New curriculum for postgraduate training in Pediatrics	Originally Planned											
		Implemented											
	D 3.2 New curriculum for postgraduate training in Pediatric Surgery	Originally Planned											
		Implemented											
	D3.3 New curriculum for postgraduate training in Child Neuropsychiatry	Originally Planned											
		Implemented											
	4.1 Preparation of a modular training course for CA HEIs teachers	Originally Planned											
		Implemented											
	4.2 Development of course materials.	Originally Planned											
		Implemented											
	4.3 Implementation of virtual training course	Originally Planned											
		Implemented											
	4.4 Implementation of practical training course	Originally Planned											
		Rescheduled											
		Implemented											
	4.5 Evaluation of the training course (teachers).	Originally Planned											
		Implemented											
	4.6 Selection of young academics for stages in EU HEI	Originally Planned											
		Implemented											
	4.7 Updating stages in EU HEI	Originally Planned											
		Rescheduled											
		Implemented											
	D4.1 Programme of modular the course for staff and teachers	Originally Planned											
		Implemented											
	5.1 Management of the approval of the trial by legal authorities.	Originally Planned											
		Implemented											
		Originally Planned											
		Rescheduled											
	5.2 Selection and designation of the teachers.	Originally Planned											
		Implemented											
		Originally Planned											
		Rescheduled											
	5.3 Pre-enrollment and admission procedures of the trainees	Originally Planned											
		Implemented											
		Originally Planned											
		Rescheduled											
	5.4 Trial implementation of the first year of the new curricula.	Originally Planned											
		Implemented											
		Originally Planned											
		Rescheduled											
	D5.1 Approval of the trial on new curricula by legal authorities	Originally Planned											
		Rescheduled											
		Implemented											

4 year (extended)

		2022												2023							
		Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	
Kick off meeting Brussels	Not Planned Implemented																				
Kick off meeting ChildCA (planned but not included in the workplan)	Originally Planned Implemented																				
1.1 Creation of 'ad hoc questionnaires' for the survey of user needs and actual situation	Originally Planned Implemented																				
1.2 Dissemination of questionnaires and collection of relative answers	Originally Planned Implemented																				
1.3 Creation of a database to compare the various curricula adopted in the partner Countries	Originally Planned Implemented																				
1.4 Survey on the teaching methods adopted in the partner Countries	Originally Planned Implemented																				
1.5 Elaboration of the 'Baseline document for CA curricular proposal children care management'	Originally Planned Implemented																				
1.6 Presentation of the baseline documents before the authorities of the main national and regional actors.	Originally Planned Implemented																				
1.7 Baseline evaluation of a sample of trainees	Originally Planned Implemented																				
D1.1 Creation of ad hoc questionnaires for the survey of user needs and actual situation	Originally Planned Implemented																				
2.1 Elaboration of the census template for Pediatrics, Pediatric Surgery and Child Neuropsychiatry	Originally Planned Implemented																				
2.2 Collection of addresses of all Pediatric Centers in each CA country	Originally Planned Implemented																				
2.3 Dissemination of the census scheme via the Internet to all Centers	Originally Planned Implemented																				
2.4 Collection and analysis data from the Centers	Originally Planned Implemented																				
2.5 Preparation and dissemination of a summative document with all the data collected	Originally Planned Implemented																				
D2.1 Data collection template to realise the census	Originally Planned Implemented																				
Coordination meeting and workshop in Bukhara (planned in Tashkent and not included in the workplan)	Implemented																				
Coordination meeting in Dushanbe (planned but not included in the workplan)	Implemented																				
3.1 Study and draft of a curriculum for the postgraduate training in Pediatrics.	Originally Planned Implemented																				
3.2 Study and draft of a curriculum for the postgraduate training in Pediatric Surgery.	Originally Planned Implemented																				
3.3 Study and draft of a curriculum for the postgraduate training in Child Neuropsychiatry.	Originally Planned Implemented																				
3.4 Study and draft of a common curriculum in Clinical Genetics, Genetic counselling and Bioethics	Originally Planned Implemented																				
D 3.1 New curriculum for postgraduate training in Pediatrics	Originally Planned Implemented																				
D 3.2 New curriculum for postgraduate training in Pediatric Surgery	Originally Planned Implemented																				
D3.3 New curriculum for postgraduate training in Child Neuropsychiatry	Originally Planned Implemented																				
4.1 Preparation of a modular training course for CA HEIs teachers	Originally Planned Implemented																				
4.2 Development of course materials.	Originally Planned Implemented																				
4.3 Implementation of virtual training course	Originally Planned Implemented																				
4.4 Implementation of practical training course	Originally Planned Rescheduled Implemented																				

UEMS Quality Assurance Report

Description: Project co-funded by the Erasmus+ Program Capacity Building in the Field of Higher Education of the European Union (2019-2023)

Coordinator: Professor Gian Battista Parigi, University of Pavia

www.childca.eu :

Project Partners Final Meeting took place in Almaty, from 10th-11th January 2023.

Through presentations, the project partners, professors, students, medical doctors, and European experts discussed what has been achieved during these 4 years.

The analysis of the objectives and outcomes on education/training implementations was presented by Professor Gian Battista Parigi.

Students/residents played an important role in the meeting, with European experts testing their knowledge and training on the first day, in order to re-evaluate the strengths and weaknesses of the system.

The project focus on the development of a set of contents for post-graduate paediatric training, to harmonize the Central Asian system with the European Union standards. All the partner countries are collaborating on updating the curriculum of these 3 Central Asian countries.

Recommendations were made in order to improve healthcare; children care and reduce infant mortality.

Report on Paediatrics

Residents re-assessment

4.1 Paediatrics Assessment

Assessors in Paediatrics, were appointed by the President of the Board and the Executive Committee of UEMS - Paediatric Section (UEMS-SP):

Professor Liviana Da Dalt, current President of the Board of UEMS-Section of Paediatrics and Professor Ana Neves, examination officer of UEMS-SP, formerly Vice president.



The diagnosis of the situation in the 3 countries Kazakhstan, Tajikistan and Uzbekistan is now as follows:

There still is a separation of 2 main Faculties in General Medicine (adults) Faculty and Paediatric Faculty.

1- Kazakhstan, the richest country, has 2 and half year of residency plus 1 year of subspecialty.

Residents are currently paid in this country

2- Tajikistan is the lower income country- Residents not only are not paid but still must pay for the specialization.

3- Uzbekistan is also a lower income country. Residents also must pay for the specialization

Although the 3 countries share some common problems of pre-graduate and post graduate Education and Health system organization, the economic burden for the 2 lower income countries is more difficult to overcome.

The Primary Care Paediatricians have now 1 year of tutored practice.

The hospital based Secondary Paediatric Training is now around 1-2-3 years of residency.

The Tertiary Sub specialization takes place after the 2 years and is around 12 months

Another relevant issue is that Infectious Diseases and Neonatology are not included so far in the Paediatric residency and are departments physically and clinically separated from Paediatrics.

This disturbs the diagnostic capacity of Paediatricians particularly for lack of structured diagnostic decision making of for example, a feverish child or a ill neonate, for lack of exposure with consequent dramatic lack of knowledge and skills in those so connected areas.

4.1.2 Re-Assessment

1- MCQ Exam



Multiple Choice Questions (MCQ) Test from the European Paediatric Exam were answered in English, between 60 and 100 min.

MCQ exam was based on 45 questions with 5 choices each, one only being correct.

The questions were the same as in the first assessment, all were reviewed and updated. The candidates were all different.

There were 6 candidates from the 3 countries.

Most of the 6 candidates had problems with the knowledge of technical medical English to understand the questions. Two of the candidates used an offline translator. All six candidates finished the exam.

Among the 6 candidates considered, 1 MD – a young paediatrician, 4 were residents (1 on the first year of residency, 2 from the second year and 1 from the 3rd year,) and 1 student of the 6th year of the Paediatric Faculty.

Two were Residents of Neonatology and all the remaining 4 were residents of Paediatrics.

One candidate, the young Paediatrician/ Neonatologist, was from Kazakhstan, 3 were from Tajikistan and 2 from Uzbekistan.

Exam results were in general low with a median score value of 42%

Only 2 residents out of 6, both from Uzbekistan, had reached the threshold >50%, ranging from 22 % to 56 %.

According to European standards, 4 were below 50%, failing the exam.

The candidates were all very interested in the discussion of the questions and paediatric training details and healthcare system organisation.

Most of them could speak and understand English but not some technical medical English.

There was a very lively discussion with the candidates, again they were quite at ease to intervene.

Some of them asked about the possibility of having a clinical experience in European countries, updating knowledge and skills.



We understood that some improvement particularly in Uzbekistan and Tajikistan at least in some hospitals, towards the payment of residents and inclusion in Paediatric training of more time of Neonatology.

Conclusions

The performance was still very low, 4 out of 6 below 50%. Median score of 42%.

There is a great interest from residents and young Paediatricians in learning and updating.

The Paediatric training needs to be prolonged at least 1 or 2 more years including specific training in Neonatology, Paediatric Infectious Diseases and Intensive Care, during Paediatric residency.

There is an extraordinary work on Paediatric Training Program already developed by the Kazakhstan Team and with European/international approval.

The Tajikistan has also implemented the payment of residents and there are pilot post graduate residencies of 3-4 years with the inclusion of Neonatology, Infectious diseases and Emergency care in the curriculum.

Primary Care Paediatricians have now, 1 year of general training before starting untutored clinics.

So, recommendations have been followed, the seeds are giving fruits...

1) Payment for residents, being already medical doctors, is essential to be possible to increase the years of training.

2) Extend the training duration at least 12/18 months more, on the following areas:

- 3 months of Intensive Care Neonatology
- 3 months Neonatology
- 3 months Intensive Care
- 3 months Infectious Diseases
- 1-3 months of laboratory medicine and ultrasonography

3) International exchange of professors and residents is desirable

List of the candidates and their scores:



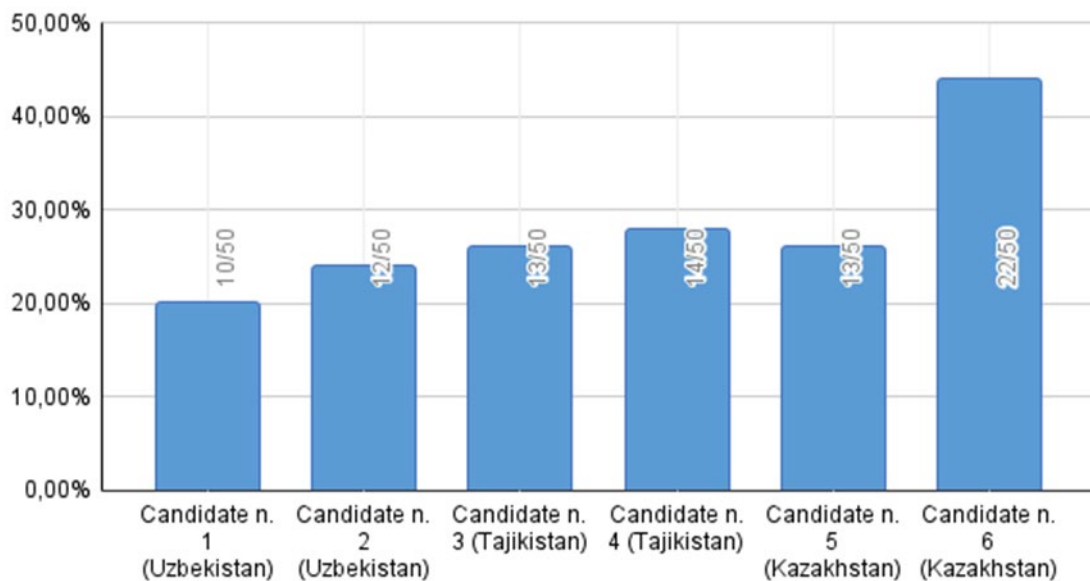
Candidate 1	25/45	56% UZE	2 nd year resident
Candidate 2	10/45	22% TAJ	2 nd year resident
Candidate 3	15/45	33% TAJ	6 th year student
Candidate 4	22/45	49% KAZ	Young Paediatrician
Candidate 5	15/45	33% TAJ	1 st year resident
Candidate 6	25/45	56% UZE	3 rd year resident

4.2 Paediatric Surgery Report

Candidates list with numbers:

- C1 (Uzbekistan) - score 10/50 (20%) - 1st year trainee
- C2 (Uzbekistan) - score 12/50 (24%) - 1st year trainee
- C3 (Tajikistan) - score 13/50 (26%) - 2nd year trainee
- C4 (Tajikistan) - score 14/50 (28%) - medical student 6th year of Faculty of Paediatrics
- C5 (Kazakhstan) - score 13/50 (26%) - 1st year trainee
- C6 (Kazakhstan) - score 22/50 (44%) - 1st year trainee

Assessment Results



- None of the current candidates would pass the European exam, which is in fact more complicated because it used to have 100 (and not 50 questions) and from now on it will have 150 questions. These results were worse than the previous ones from Bukhara in 2019, where MCQ part of the exam was also based on 50 questions with 5 choices each, one being right only. Although both exams had different questions, their selection was based upon European examinations in paediatric surgery. Bukhara



exam results were uniformly below expectations (but significantly better than the current ones). Only 2 out of 7 trainees (one from Kazakhstan and one from Tajikistan) reached the threshold >50% and in both cases it was marginally achieved: by 2 and 3 points only. According to European standards they would fail part I exam. Median scores were as followed: 25 points for Kazakhstan, 26 - for Tajikistan and 24 - for Uzbekistan. So, in both paediatric surgery MCQ exams (the one in Bukhara in 2019 and the one in Almaty in 2023) not a single candidate would pass.

- Only 9 questions (out of 50) were associated with not a single good answer. There was not a single question, in which all candidates answered correctly. These facts indirectly prove that quality of candidates was poor.
- This might be due to the fact that candidates' selection was rather inadequate - since 4 out of 5 have just started their first year of training, while one was even a medical student! Only one candidate was in the 2nd year of training. This might have contributed to poor exam assessment due to insufficient candidates' knowledge about paediatric surgery. It also shows insufficient attention of partner universities to proper candidates' selection - in fact, they should all be in the 2nd or the 3rd (final) year of training.
- Candidates knowledge of medical English was also insufficient. Despite the use of mobile translator apps, most of them had problems with translating the questions.
- As per post MCQ exam discussion, trainees have problems with doing the surgical cases as the operating surgeon. According to them, colleagues completing the training have done under supervision of attendings not more than 40-50 easy cases (hernias, appendectomies, etc.), which is very low and in fact unacceptable number according to European UEMS standards. They mostly assist in surgical cases (daily) in large numbers (>1000 of assists during the 3-year period of training).
- Inadequate neonatal surgical training with a lack of exposure of trainees to neonatal cases is another significant concern, especially that neonatal surgery (which is the most difficult and complicated part) has adopted a different path of training (first neonatology and then 1 yr of neonatal surgery only), which in fact is shorter regarding surgical exposure than standard paediatric surgical training. That would be totally unacceptable by European standard.

Prof. Piotr Czauderna

President of the Section and Board of Paediatric Surgery Section of the UEMS

Project Final Meeting in Almaty, 10-11 January 2023

The final conference of the Erasmus+ project ChildCA took place at Asfendyarov Kazakh National Medical University - KazNMU, in Almaty, Kazakhstan, on January 10th - 11th. During the meeting, the participants mainly carried out three activities:

1. Presentation of the results of the project and the training in UE;
2. UEMS (European Union of Medical Specialists) re-evaluation of students;
3. Description for future plans – Erasmus+ Capacity Building in Higher Education, Strand 3, structural project.

During the presentation of the project's results, the coordinators and partners displayed the specific objectives achieved:

- 3 virtual training courses were launched, after which the participants were awarded open badges;
- 2 on-site training in 3 EU partners were completed;
- 17 curricula, certification courses designed/updated;
- 9 pilot study programs/certification courses launched (5 in Paediatrics, 2 in Paediatric surgery, 2 in Child Neuropsychiatry – 4 in Kazakhstan, 2 in Tajikistan, 3 in Uzbekistan);
- 5 Pilot study programs/certification courses are expected to be launched in the near future (1 in Paediatrics, 2 in Paediatric Surgery, 2 in Child Neuropsychiatry);
- 8 partner universities were provided with ICT tools.

Participants:

24 students from 8 CA partner HEIs,
At least 29 staff from all partner HEIs,
5 UEMS experts,
2 Representatives of the government of Kazakhstan.

Other quality indicators:

- 10 partner HEIs participated in person in the Project Final Meeting, 1 partner HEI participated via in-streaming connection.
- The Ministry of Health of Kazakhstan also attended the official opening of the conference.
- Meeting Satisfaction survey was distributed among the participants after the meeting.

The news about the Project Final Meeting and the project final results were disseminated through multiple media channels:

UNIPV official website: <http://news.unipv.it/?p=74557>

ChildCA project official website: <https://www.childca.eu/2023/01/20/10-11-january-final-conference-erasmus-project-childca/>,
<https://www.childca.eu/documents/>

VSHOZ social media accounts:

https://m.facebook.com/story.php?story_fbid=pfbid0jPJaX59fs622L9ULTtdj1iEyFSNS48xYBszDRK5zTrPZ7wzJdhDpqR88ExLgiEmSl&id=100057316064798&mibextid=Nif5oz,

<https://www.instagram.com/p/Cn1Dh3xtnmo/?igshid=YmMyMTA2M2Y%3D>

Activities Evaluation Report

A **satisfaction survey** about the final meeting's activities was also conducted (link: <https://forms.gle/iYKXVU3MsW7DF756>). The number of respondents who have participated in the opinion poll is 25.

The opinion poll showed that the great majority of participants were satisfied with the overall experience at the final meeting. The respondents were also overall satisfied with the following points: the logistics, the presentations given, the quality of discussions and work, the length of the meeting, and the helpfulness of the meeting. The great majority of the respondents positively valued all the mentioned categories.

Only one person wasn't overall satisfied with the logistics, the presentations given, the quality of discussions and work, and the helpfulness of the meeting. One person also negatively rated the helpfulness of the meeting and responded *No* to the following question: *Are you overall satisfied with the quality of the discussions and works?*

Two people rated the overall logistics as *Fair*.

Two respondents thought that the length of the event was too short.

One person responded *Maybe* to the following question: *Are you overall satisfied with the helpfulness of the meeting?*

Moreover, two people thought that the meeting was *Moderately helpful*.



The majority of the participants thought that the ChildCA project was pivotal to improving the teaching/academic experience in Central Asia, except for one person who answered *Maybe* to the question.

The majority of the replies also showed that the respondents agreed with the following question: *Do you think this meeting was helpful to share the values of Erasmus+?*, except for one person who answered *Maybe* to the question.

These are the replies received to the following open question: *What did you like about the event?*

- *All was good;*
- *It was very informative and helpful;*
- *I liked the interaction and conversations we had about medical education in fellow countries;*
- *The results of the research on motivation of medical students in Europe and Central Asia were very interesting. And also the presentations on how the final report should be submitted were comprehensive;*
- *Meeting and party;*
- *Clear cut final information on project achievements, openness of project partners, organization of conference;*
- *Everything;*
- *Quality of discussions;*
- *Presentations, organization, hospitality, opportunity to discuss many issues, exchange of experience;*
- *Good;*
- *Everything was nice;*
- *The excellence of the CHILDCA Team and the productive work done;*
- *It was great experience for me to attend the meeting, meet people from different countries;*
- *Everything was amazing;*
- *Friendship;*
- *Meeting and discussion were good;*
- *The feeling of friendship among participants;*
- *I liked the report of the coordinators of Tajikistan and Uzbekistan. Their programs are designed to increase the duration of training;*
- *Final reports of the Universities;*
- *The spirit;*



- *Hospitality of Kazakh partners, the presentation of prof.R.Issaeva from Al-Farabi University, the Hotel and the visit to High school of Medicine of Al-Farabi University;*
- *Overall organization, meeting, guests and participants were in a great level;*
- *Presentations given by the partners, collaborative spirit of the meeting, an opportunity to visit Almaty;*
- *Everything was very interesting and new to me;*
- *The interplay of various culture-experiences with the technical knowledge of medicine in non-European countries countries;*
- *Discussions.*

These are the replies received to the following open question: *What did you dislike about the event?*

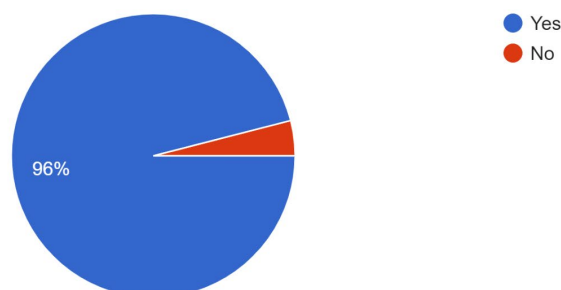
- *Nothing;*
- *Nothing;*
- *All, except above mentioned;*
- *The circumstances with the Covid-19;*
- *-*
- *Local organization of the meeting could be better;*
- *There were no dislikes;*
- *None;*
- *There's nothing I disliked;*
- *Programs were created that did not concrete clinical residency;*
- *Everything was good;*
- *Didn't involve breakfast, students should live together with their hotel place. Students didn't get certificates;*
- *No Wi-Fi at KazNMU on the first day of the event;*
- *Walking in the cold to the university;*
- *Cold weather;*
- *The translation English-Russian, very poor;*
- *There are minor issues which do not reflect on the project activities. Fine! ;*
- *More presentation should be in English (not direct translation);*
- *--*
- *The cold temperature ! - 30C.*

These are the replies received to the following open question: *Do you have any further suggestions?*

- *No;*
- *Go on;*
- *Good luck;*
- *No;*
- *For this event nothing;*
- *It would be great pleasure to continue/make new project with this team;*
- *In the frame of this project - it would be nice to publish an article on the differences between postgraduate education in the EU and Central Asia;*
- *I would like nothing to interfere with improving the quality and duration of training in clinical residency;*
- *No I have not;*
- *Improve the quality of partner presentations, control over the implementation of tasks;*
- *Further develop projects based on the results obtained;*
- *I want to wish best luck for your project. May it be the main and helpful project in improving Children's Health Care;*
- *Wish 2 successful admission the Final Report by EACEA;*
- *To increase the quantity of Travel activities;*
- *Continue a project to help children in rural areas;*
- *There was a fantastic work of improvement that absolutely needs to be sedimentated and continued;*
- *More collaboration among organizers;*
- *To ensure and enhance the quality of education some time should be devoted to methods of teaching;*

Are you overall satisfied with the logistics?

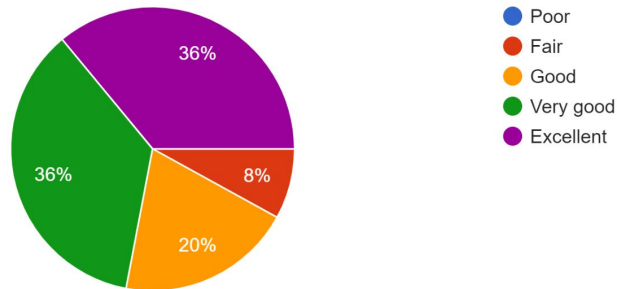
25 risposte





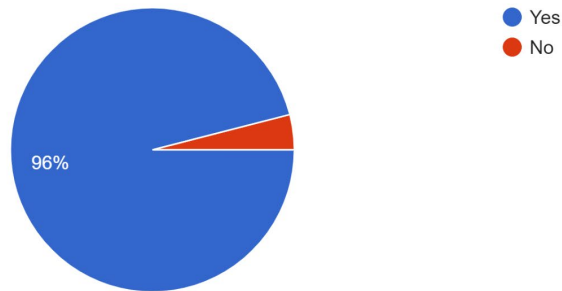
How would you rate the overall logistics of the meeting?

25 risposte



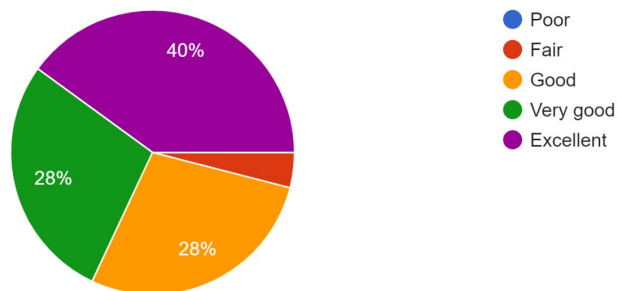
Are you overall satisfied with the presentations given?

25 risposte



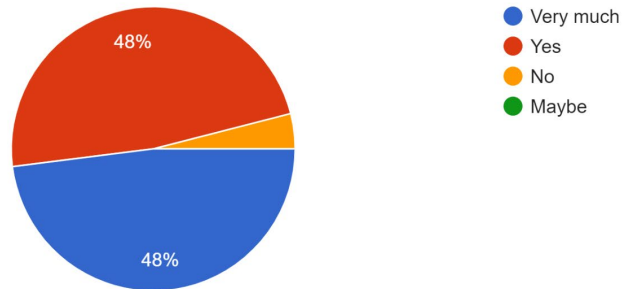
How would you rate the presentations given?

25 risposte



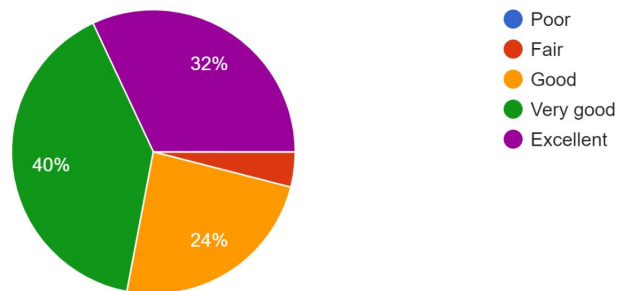
Are you overall satisfied with the quality of the discussions and works?

25 risposte



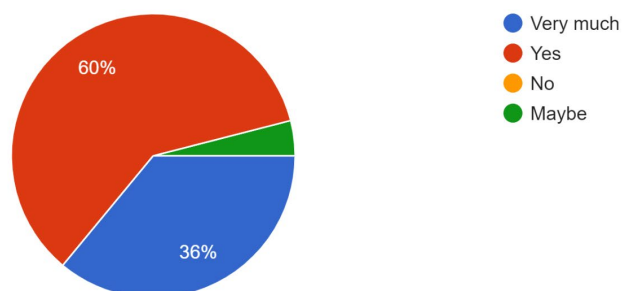
How would you rate the overall quality of the discussions and works?

25 risposte



Are you overall satisfied with the lenght of the meeting?

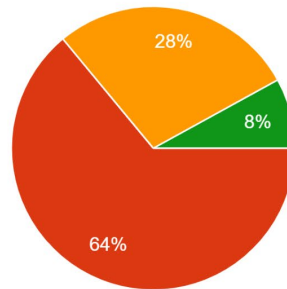
25 risposte





Was the length of the event adequate to cover all the topics?

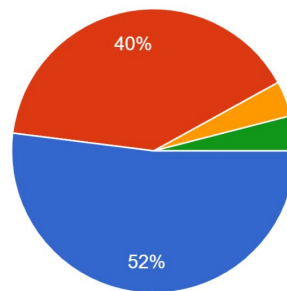
25 response



- It was too long
- It was correct/adequate
- It was correct/adequate according to the circumstances
- It was too short

Are you overall satisfied with the helpfulness of the meeting?

25 response

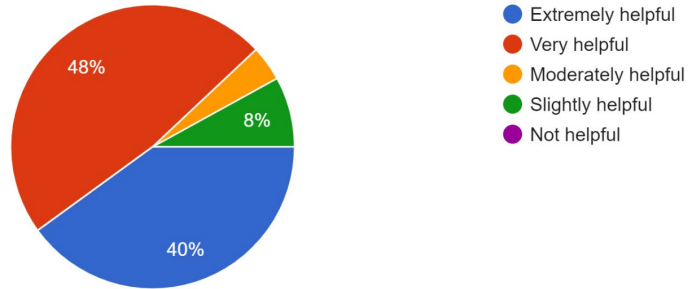


- Very Much
- Yes
- No
- Maybe



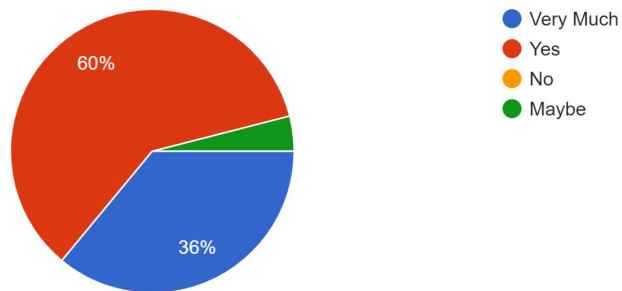
Please tell us how helpful the meeting was

25 risposte



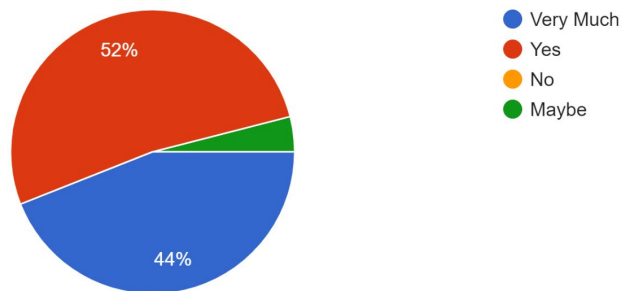
Do you think the overall ChildCA project was pivotal to improve teaching/academic experience in Central Asia?

25 risposte



Do you think this meeting was helpful to share the values of Erasmus+?

25 risposte



Training and Internships in the EU (WP4: activities 4.4, 4.7)

During the months of September and October, 2022, long-term and short-term training activities took place at the three European ChildCA partners – University of Pavia (Italy), Jagiellonian University (Poland), and Freiburg University (Germany). The EU universities simultaneously hosted academic staff and clinicians from the universities of Central Asia. The training was organised in the context of Work Package 4 (WP4): *Training in new teaching techniques (paediatrics, paediatric surgery, neuropsychiatry) of academic staff involved in the new integrated curricula.*

- 1) The **long-term training in Genetics, Anatomy, and Paediatric Surgery** focused on genetics, biochemistry, and metabolic diseases was intended for young doctors from Kazakhstan, Uzbekistan, and Tajikistan, allowing them to learn new teaching methodologies to be applied in the new curricula being developed in Central Asian partner HEIs. The training consisted of hands-on activities in diagnostic and scientific techniques employed in laboratories. The course involved participation of several lecturers from the three partner universities and the trainees had the opportunity to work with European professionals in their respective hospitals, also focusing on areas of special personal interest like cardiology and pharmacology.

Number of participants - 1 (ATSMU), 3 (BSMI), 1 (KazNU), 1 (TPMI), 1 (KHSMU), 1 (VSHOZ).

- 2) The **short-term training programme “The Training in new teaching techniques of academic staff involved in the new integrated curricula (paediatrics, paediatric surgery, neuropsychiatry)”** consisted in focusing on improving teaching and medical care in paediatrics, and including practical (e.g., shadowing paediatricians, paediatric surgeons, and neuropsychiatric specialists) and theoretical activities (e.g., lectures in data mining/literature search, paediatrics, paediatric infectious diseases, x-ray demonstration, anatomy, and distance learning methodologies). The training involved 24 clinicians from Kazakh, Tajik, and Uzbek universities.

Number of participants - 3 (VSHOZ), 3 (TPMI), 3 (BSMI), 3 (Al - Farabi KazNU), 3 (Asfendiyarov - KazNMU), 3 (ATSMU), 3 (IPOvZRT), 3 (KHSMU).

Description of the results of the satisfaction survey about the long-term training in Europe



An **opinion poll** about long-term training was also conducted (link: <https://forms.gle/Zn85rUacPjCpCQ2u9>), and an activity report (link: <https://forms.gle/JLEVBHochiTsyJ8p8>). The number of respondents who have participated in the opinion poll is 7 while the number of respondents for the activity report is 6.

The opinion poll showed that the whole number of trainees was satisfied with the overall experience at their host university. The respondents also positively valued the helpfulness of the staff that organised their stay and appreciated the accommodation facilities, the quality of teaching/education, education facilities (e.g., equipment, rooms, IT, internet), and the logistics.

All the respondents also thought that what has been asked to learn during the course was important and practical. These are the replies received to the following open question: *Do you believe that what's been asked to learn in this course is important and practical?*

- *No doubt it was very important;*
- *Yes;*
- *Of course;*
- *Yes, I believe;*
- *Definitely. Very informative. New knowledge always motivates new actions;*
- *Yes, I do;*
- *Important.*

The course also met the trainees' expectations. These are the replies received to the following open question: *Overall, does this course meet your expectations?*

- *100 %;*
- *Yes;*
- *Yes, it fully did;*
- *Yes, the course meet my expectations;*
- *No, it's something more;*
- *Yes, it does;*
- *Yes, sure.*

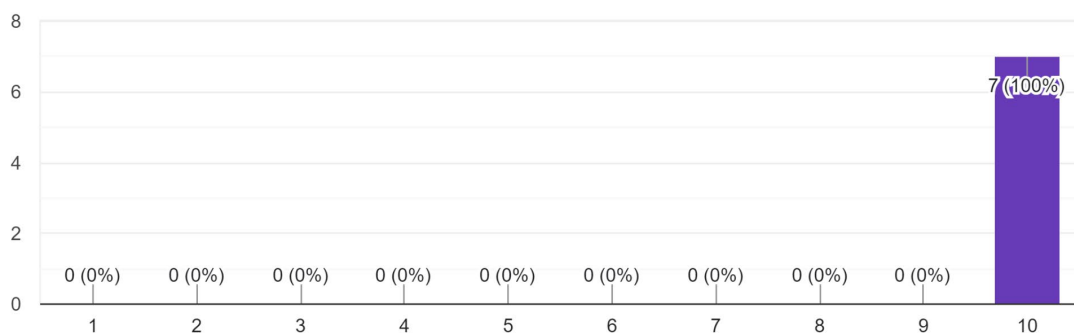
The participants appreciated the behaviour of the teaching staff towards them. These are the replies received to the following open question: *What is your opinion about behavior of teaching staff towards students?*

- *Good;*
- *Friendly and respectful;*
- *I liked;*

- *Friendly manner towards us;*
- *Friendly teaching staff;*
- *Very good;*
- *Very good team, teachers were very qualified.*

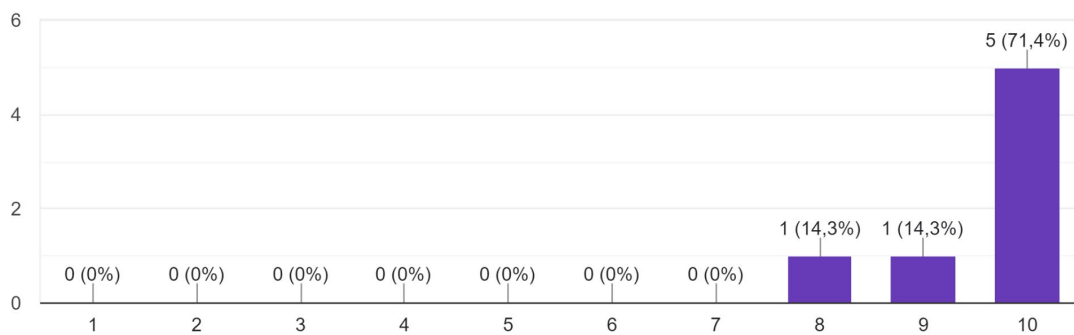
How helpful were the staff organising your stay?

7 risposte



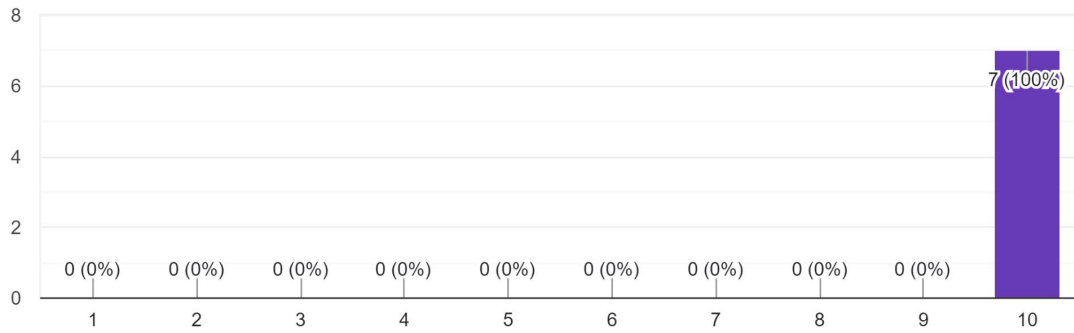
How satisfied are you with the accommodation facilities?

7 risposte



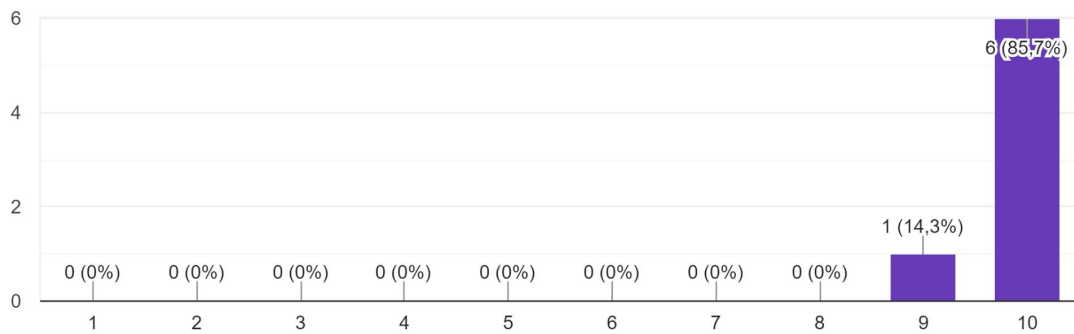
How satisfied are you with the overall experience at your host University?

7 risposte



How satisfied are you with the quality of teaching/education at your host University?

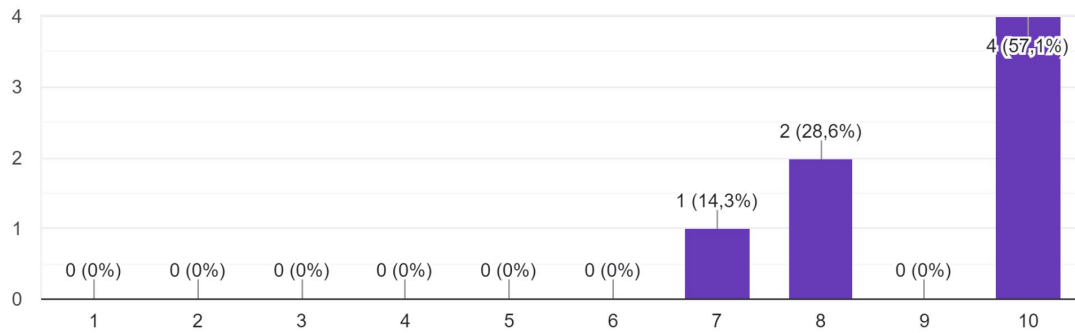
7 risposte





How likely are you to continue implementing some of your newly gained teaching/academic experience in your home country?

7 risposte





The activity report focused on the description of the training and the activities carried out. The participants were asked to indicate the training they participated in, their host university, department, and professor. They were also asked to describe the activities, assignments, and regular work that they performed during a common day of the programme.

Describe a common day of your training - activities, assignments, regular work

6 risposte

Common day started with attending laboratory learning several techniques used in genetics and for metabolic diseases ,there were also days for excursion and trip

During traing I have learned different laboratory methods and techniques, prticipated in Faculty seminars

Training took place every day in the laboratories from 9.00 to 15.00. The trainers explained the diagnostic methods and carried out the methods together. Discussed the results. Showed work with databases

My workday in the laboratory started at 9.00-9.15 o`clock. We had theoretical and practical parts. At 12.00 we had 30 minutes break and finished at 14.00.

Every day we conducted step-by-step laboratory studies of genetic material in accordance with the protocols

The lesson was held in the Pediatric building, in the laboratory of genetics and biochemistry. Every day at 9.00 study began, in the first half of the day there was a lecture, then practical exercises. At 15:00 the session ended.

In addition, the trainees indicated what specific techniques and methods they learned, and the professional connections they gained during the experience.



What are the three most important things you learned during your training?

6 risposte

getting to know more about real time polymerase chain reaction and mass spectrometry

methodology of organising work and work place,

Molecular biology techniques for genes analysis: DNA isolation from different types of biological samples

Real time PCR analysis-laboratory preparation and data interpretation.

Cytogenetic techniques in clinical practice: classical karyotyping and GTG chromosome staining. FISH: laboratory preparation and data interpretation

Molecular cytogenetics: preparation and data interpretation of aCGH results.

Examples of application of MLPA/msMLPA

Bioinformatic tools for genetic testing: genetic variants classification, biological and clinical data interpretation of various types of genetic tests results.

Principles of immunochemistry methods. Standardization and quality control. Method validation, protein macroforms, protein heterogeneity, total and free hormone measurement, RIA, CLIA, ELISA, FIA, LFIA – comparability of immunochemistry methods. Interferences in immunochemistry methods.

Immunochemistry methods in laboratory diagnostics and research: results interpretation.

Principles of liquid chromatography (LC) methods, usefulness of LC methods in diagnostic and research Interferences in LC methods, samples preparation, LC analysis and results interpretation.

Role of laboratory medicine in healthcare

Bioinformatic tools for genetic testing: biological and clinical data interpretation of various types of genetic tests results.

Immunochemistry methods in laboratory diagnostics and research. Tandem-mass spectrometry method (LC-MS/MS)

Patience, bringing things to an end, science is multifaceted

New genetics research methods, equipment and their use



What kind of knowledge and experience did you bring home?

6 risposte

I work at enhancement of family doctors department and it is all important for my future activities

Organising of place of work and methodology of planning of laboratory work

Principles of work in a clinical laboratory, working with databases, description of the results

Bioinformatic tools for genetic testing

Ability to work with PCR, genetic material, work with fibroblast cells

FISH method and MLPA method

Did you gain any professional connections during your internship? How can they help you in the future?

6 risposte

it will help a lot

Every Head of laboratory was quite open to collaborate in future. I hope to conduct research activities related to my research area and common interest with Institute of Pharmacy of Freiburg University

Yes, I have email addresses and business cards. Our university has a visiting professor program. In the future we planing to invite professors to our university

Yes, I gain professional connections during the internship. 1. Our universities can invite them for giving lectures. 2. We can have collaboration research project

I intend to consult in my practical activities. Have future collaborations

There were new acquaintances with professors, teachers and trainees from other countries. Exchanged contact data and emails to maintain further scientific interest

The participants were asked how they would have applied the knowledge and experience gained in their home countries.



How can you apply the knowledge and experience gained abroad in the context of your home institution? Try to be more specific

6 risposte

for my future lessons on retraining family doctors

As I am a member of Curricula Development Team of Bukhara State Medical Institute and I have experience on it. I will use my gained knowledge and experience for Curricula and Subjects Program development.

Planing to organize a molecular genetic laboratory for teaching students of the pediatric faculty

I apply the Bioinformatic tools for genetic testing: I use Bioinformatic tools for analysis of genetic data obtained after microarray genotyping and sequencing.

I will share my knowledge and improve my skills.

After the internship, we conducted lectures, master classes for students, masters and residents

Finally, they described the outcomes and achievements of the experience.



Describe the outcomes and achievements of the training you participated in?
(publications, specific knowledge, etc.)

6 risposte

i enhanced my knowledge on metabolic diseases

Participating in seminars of scientific results

As a teacher of genetics, gained experience in the methods of diagnosing hereditary diseases.
As a researcher gained experience, how to organize and analyze research work. Publication
planned

no publications

She gained knowledge in the field of molecular biology. I saw the work with PCR. Ability to
work with cells, DNA and RNA materials. Working with reaction components

I started writing a thesis about new research methods. Now in the process of publishing

Description of the results of the satisfaction survey about the short-term training in Europe

An **opinion poll** about short-term training was also conducted (link: <https://forms.gle/B3VXtWSiknednwAV6>). The results of the survey were good, and the large majority of trainees was overall satisfied. The number of respondents who have participated in the opinion poll is 24.

All the 24 respondents positively evaluated the overall training experience, the quality of teaching/education at the European universities, the behaviour of the teaching staff, and the facilities (e.g., equipment, rooms, IT, internet, education facilities during the lectures). The training met the expectations of most of the participants. In particular, all of the trainees evaluated the theoretical part in a very positive way.

All the respondents also thought that what has been asked to learn during the course was important and practical. These are some of the replies that we have received to the following open question: *Do you believe that what's been asked to learn in this course is important and practical?*



- *It is important, because training at clinical sites sometimes causes difficulties, at the same time teaching students on simulators, virtual patients, simulations once again trains students to real patients important and practical;*
- *Yes, I think information getting from the training is important for us. Because some part we can implement right now;*
- *Yes. I personally feel that the course was important as it changed my approach to the educational field. I feel that I would be able to teach better with the experience I gained and also use this knowledge in my daily hospital activity;*
- *Yes, It's very important and useful. All subjects were important to us;*
- *Yes. The exchange of knowledge always makes it possible to draw appropriate conclusions.*

The news about the Training in EU was disseminated through multiple media channels:

UNIPV official website: <http://news.unipv.it/?p=71746>,
<http://news.unipv.it/?p=72596>

ChildCA official website: <https://www.childca.eu/2022/10/14/childca-training-in-pavia-modernising-pediatric-education-in-central-asia-tajikistan-uzbekistan-kazakhstan/>, <https://www.childca.eu/2022/11/04/childca-training-in-pavia-krakov-freiburg/>

ChildCA Instagram page: <https://www.instagram.com/p/CjL3MGjLlJV/>,
<https://www.instagram.com/p/CjL4JKsL9R3/>,
<https://www.instagram.com/p/CjvcptGsRM-/>

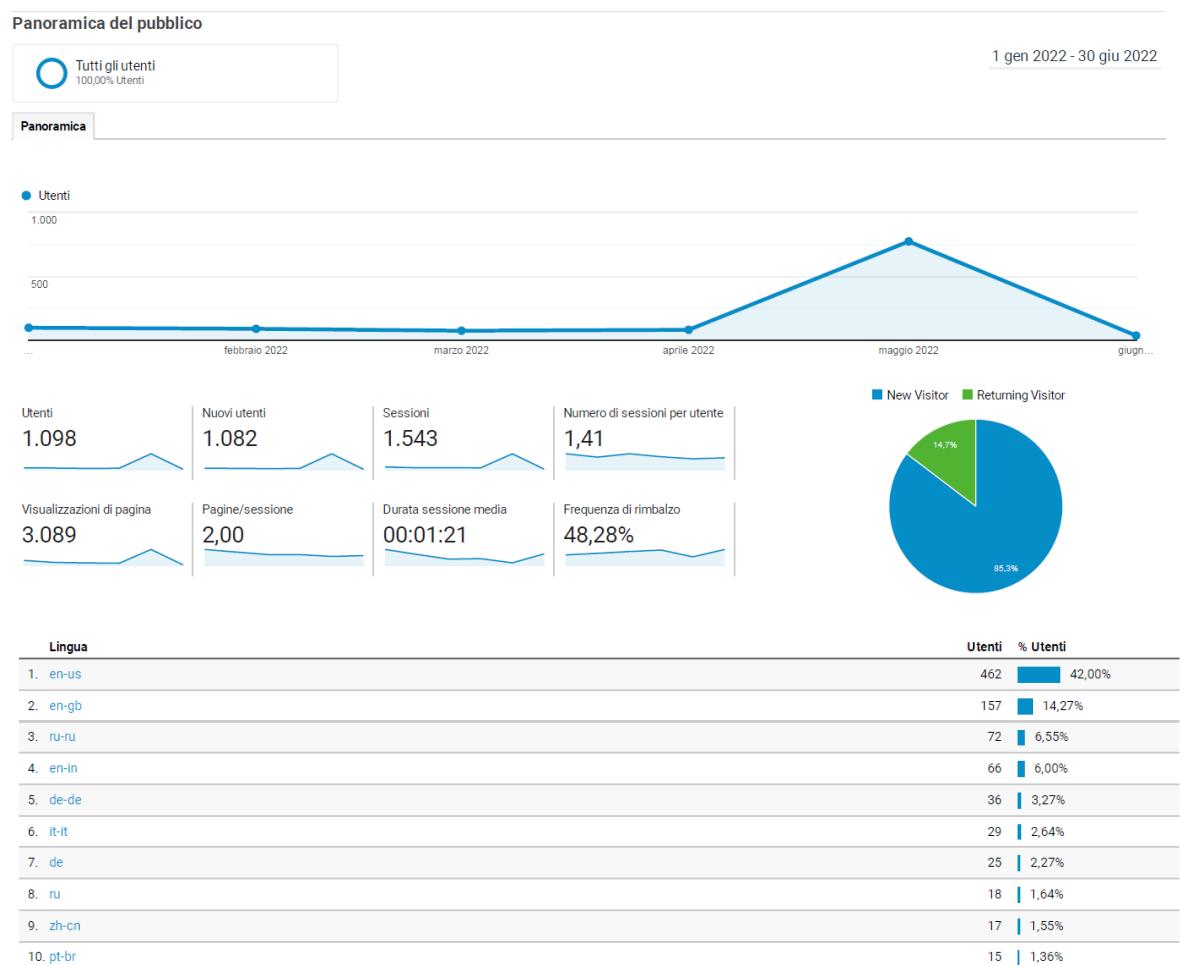
KazNMU website (available in Russian only):
<https://news.kaznmu.edu.kz/%d1%80%d0%b5%d0%b0%d0%bb%d0%b8%d0%b7%d0%b0%d1%86%d0%b8%d1%8f-%d0%bf%d1%80%d0%be%d0%b3%d1%80%d0%b0%d0%bc%d0%bc%d1%8b-erasmus-%d0%b2-%d0%ba%d0%b0%d0%b7%d0%bd%d0%bc%d1%83/>

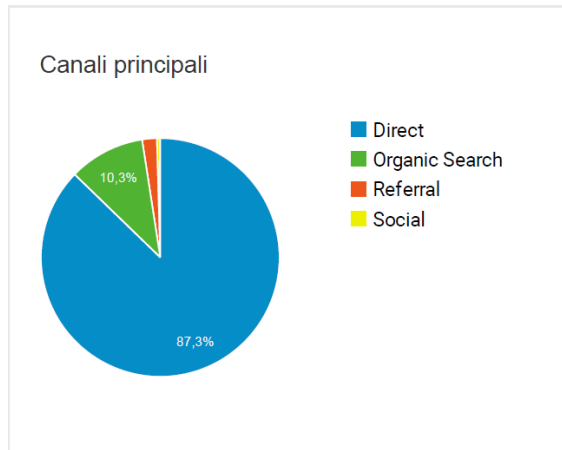
TPMI website (available in Russian only):
<https://tashpmi.uz/2022/10/speczialist-iz-tashpmi-proshla-stazhirovku-v-evropejskom-universitete-v-ramkah-realizaczii-programmy-erasmus-childca/?hilite=%27childca%27>,
<https://tashpmi.uz/2022/11/speczialisty-iz-tashpmi-proshli-stazhirovku-v-vedushhih-universitetah-evropy-v-ramkah-realizaczii-programmy-erasmus-childca/?hilite=%27childca%27>

Social Media Reports

As a further instrument to ensure that the project reaches its quality standards, the continuous update of the project's website allows a greater diffusion of the project's documents and achievements.


Website management and results (home page of google analytics)





	Acquisizione			Comportamento		
	Utenti ↓	Nuovi utenti ↓	Sessioni ↓	Frequenza di rimbalzo ↓	Pagine/sessi... ↓	Durata sessione media ↓
	1.098	1.082	1.543	48,28%	2,00	00:01:21
1 ■ Direct	965	<div style="width: 88%;"><div style="width: 88%;"></div></div>		48,71%	<div style="width: 48%;"><div style="width: 48%;"></div></div>	
2 ■ Organic Search	114	<div style="width: 10%;"><div style="width: 10%;"></div></div>		46,34%	<div style="width: 46%;"><div style="width: 46%;"></div></div>	
3 ■ Referral	22	<div style="width: 2%;"><div style="width: 2%;"></div></div>		43,48%	<div style="width: 43%;"><div style="width: 43%;"></div></div>	
4 ■ Social	5	<div style="width: 0%;"><div style="width: 0%;"></div></div>		100,00%	<div style="width: 100%;"><div style="width: 100%;"></div></div>	

Social media – Instagram





child_ca Segui Messaggio


Post: 34 64 follower 18 profili seguiti


Child C.A.
Istruzione
International Cooperation Project to improve childcare in Central Asia through innovative post-graduate paediatric training | Coordinated by @unipavia
childca.eu


POST
POST IN CUI TI HANNO TAGGATO





 Co-funded by the Erasmus+ Programme of the European Union





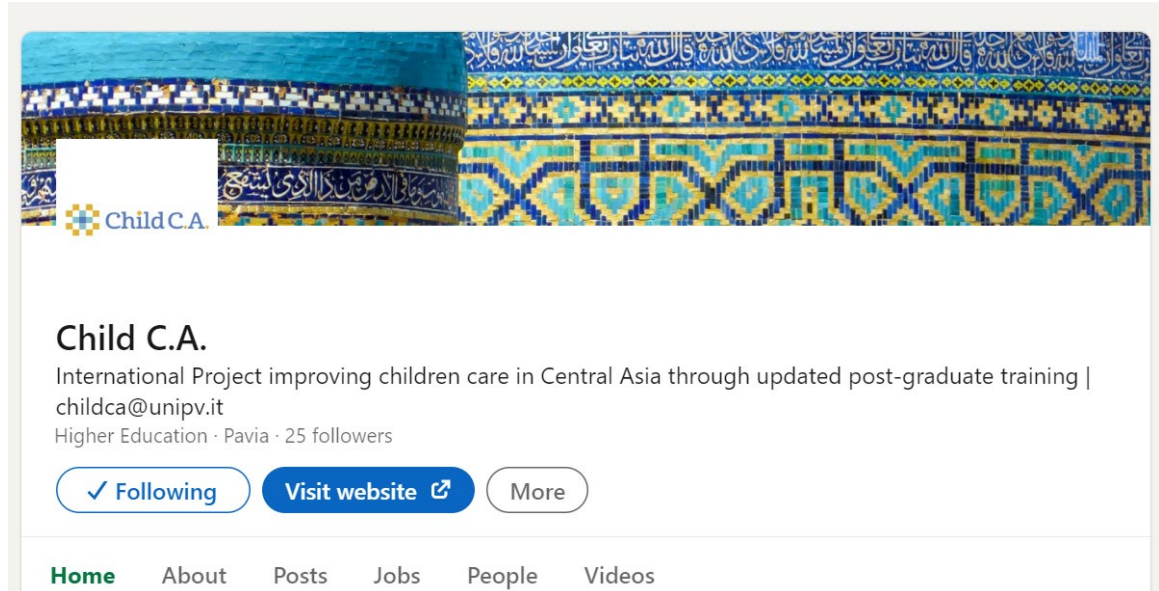








Social media – LinkedIn



Child C.A.
International Project improving children care in Central Asia through updated post-graduate training |
childca@unipv.it
Higher Education · Pavia · 25 followers

[✓ Following](#) [Visit website](#) [More](#)

[Home](#) [About](#) [Posts](#) [Jobs](#) [People](#) [Videos](#)



Dissemination Activities

During 2022 and 2023, the ChildCA team and partners participated in various events and activities disseminating the results and values of the Project:

- ChildCA paper - written by Dr. Saidkhodjaeva S.N. and Dr. Ashirbaev Sh.P. (TPMI) - published by the National Erasmus Office in Uzbekistan in the Collection of articles «Erasmus+ in Uzbekistan - 2021». January 2022. Paper available at the following link: <https://erasmus.uz/en/page/55-neo-and-heres-publications>
- Meeting of the participants of the CHILDCA project, where the VSHOZ team discussed the new certification courses in the specialty of Paediatrics and Paediatric surgery. February 22, 2022.
- Dr. Lola Babaeva (ATSMU) reported on the Curriculum of Pediatrics with the Integration of Child Psychoneurology and Paediatric Surgery at the University Academic Council. February 24, 2022.
- Meeting of the Committee of Educational Programs «Children's Surgery», where the VSHOZ team discussed the new certification courses in the specialty of Paediatrics and Paediatric surgery. March 24, 2022.
- GSOM Clinical Specialties Department meeting, where the KazNU team discussed the updated Educational Programme in Paediatrics (residency). March 25, 2022.
- Methodological Council of the HSM KazNU, where the KazNU team discussed the updated Educational Programme in Paediatrics (residency). March 28, 2022.
- Meeting of the Educational and Methodical Association of the Republican Educational and Methodical Council in the direction of preparation - Health Care, where the VSHOZ team discussed the new certification courses in the specialty of Paediatrics and Paediatric surgery. April 1, 2022.
- KAZNU's Report "On the role of training paediatricians for PHC in order to identify signs of impaired development in children" at the IV Republican conference, where the new updated Educational Program in Paediatrics (residency) was presented and discussed. April 5, 2022.
- VII CUCS Conference, held in Naples (Italy) – UNIVERSITY COOPERATION IN THE NEW CHALLENGES FOR SUSTAINABLE DEVELOPMENT – Capacity building, Science Diplomacy and Open Science between Global North and Global South the new world context. April 21-23, 2022.
- Dr. Jamshed Dodkhoev (representing ATMSU) held a speech at the Plenary Session of the XVII Scientific and Practical Conference of Young Scientists and Students about “Achievements and Problems of Pediatrics in the Republic of



Tajikistan”, describing solutions to the problems of training personnel in the Curriculum developed within the framework of the ChildCA project. April 29, 2022.

- Academic Council of the Faculty of Medicine and Health of Al-Farabi Kazakh National University, where the KazNU team discussed the updated Educational Programme in Paediatrics (residency). April 29, 2022.
- 40th Annual Conference – German Society of Tropical Pediatrics and International Child Health (GTP) in Basel (Switzerland). May 27 – 29, 2022.
- KAZNU’s Report and practical seminar at the Day of Open Doors, dedicated to the "Year of the Child in Kazakhstan", "Education", where the new updated Educational Program in Pediatrics was presented and discussed. June 1, 2022.
- International Conference “Scientific and Practical Aspects of the Development of Pediatrics and Neonatology” in Almaty, with the participation of the Ministry of Health of the Republic of Kazakhstan. June 10, 2022.
- KAZNU’s Report on the education project "Improving education in the field of child care and a model for improving medical education in Central Asia Erasmus+ ChildCA" at the international conference "Scientific and practical aspects of the development of paediatrics and neonatology". June 10, 2022.
- Meeting of the Teaching and Methodological Council of KMU «VSHOZ», where the VSHOZ team discussed the new certification courses in the specialty of Paediatrics and Paediatric surgery. August 27, 2022.
- KAZNU reported on the topic "International program and educational experience. Improving education in the field of child care as a model for improving medical education in Kazakhstan" at the Republican scientific and practical conference with international participation "Healthy children are the future of the country". October 18, 2022.
- Dr. Saida Saidhodjaeva (TPMI), National Coordinator of the Uzbek ChildCA partners, met with representatives of NEO Uzbekistan to receive a prize for winning 3rd place. October 21, 2022.
- Dr. Saida Saidkhodjaeva (TPMI) released an interview in the Uzbek newspaper “Public Health” about the importance of the program, its purposes, and objectives.
- KAZNMU's presentation: Scientific and practical conference with international participation "Challenges and prospects for development of modern childhood infection in the 21st century” in Almaty (Kazakhstan). December 14, 2022.
- ChildCA project’s final conference: New paradigm in training professionals on healthcare management. Asfendiyarov Kazakh National Medical University, Almaty (Kazakhstan). January 10-11, 2023.

Moreover, the ChildCA team and the partners carried out dissemination activities by sharing news, relevant material, and posts on their multiple websites and social media accounts:

CHILDCA WEBSITE

Date (dd/mm/yyyy)	Where	Title/Description	Link
17/01/2022	ChildCA website	ChildCA online courses in Genetics, Bioethics, Teaching Skills and Technologies	https://www.childca.eu/2022/01/17/childca-online-courses-in-genetics-bioethics-teaching-skills-and-technologies/
17/01/2022	ChildCA website	“Pediatrics of the XXI century – the Role of Erasmus + projects in improving the training programs for pediatricians” conference in Kazakhstan	https://www.childca.eu/2022/01/17/pediatrics-of-the-xxi-century-the-role-of-erasmus-projects-in-improving-the-training-programs-for-pediatricians-conference-in-kazakhstan/
17/01/2022	ChildCA website	Fair of Erasmus+ Capacity Building in Higher Education Project Results in Kazakhstan	https://www.childca.eu/2022/01/17/fair-of-erasmus-capacity-building-in-higher-education-project-results-in-kazakhstan/
17/01/2022	ChildCA website	Events with participation of Tashkent Pediatric Medical Institute (TPMI), Uzbekistan	https://www.childca.eu/2022/01/17/events-with-participation-of-tashkent-pediatric-medical-institute-tpmi-uzbekistan/

Date (dd/mm/yyyy)	Where	Title/Description	Link
17/01/2022	ChildCA website	Conference on Simulations in Medicine, 15 and 18 December 2021	https://www.childca.eu/2022/01/17/conference-on-simulations-in-medicine-15-and-18-december-2021/
27/01/2022	ChildCA website	In loving memory of prof. Michael Leichsenring	https://www.childca.eu/2022/01/27/in-loving-memory-of-prof-michael-leichsenring/
28/04/2022	ChildCA website	ChildCA Project Presentation at 7th CUCS Conference Naples 2022	https://www.childca.eu/2022/04/28/project-presentation-7th-cucs-conference-naples-2022/
24/05/2022	ChildCA website	40th annual meeting of the GTP	https://www.childca.eu/2022/05/24/integrating-general-paediatrics-in-health-systems-of-resource-limited-settings/
14/06/2022	ChildCA website	ChildCA project presentation at International Conference “Scientific and Practical Aspects of the Development of Pediatrics and Neonatology” in	https://www.childca.eu/2022/06/14/scientific-practical-aspects-development-pediatrics-neonatology/

Date (dd/mm/yyyy)	Where	Title/Description	Link
		Almaty	
14/10/2022	ChildCA website	ChildCA Training in Pavia: modernising pediatric education in Central Asia – Tajikistan, Uzbekistan, Kazakhstan	https://www.childca.eu/2022/10/14/cchildca-training-in-pavia-modernising-pediatric-education-in-central-asia-tajikistan-uzbekistan-kazakhstan/
04/11/2022	ChildCA website	ChildCA Training in Pavia, Krakow, Freiburg: modernizing pediatric postgraduate medical education in Central Asia – Tajikistan, Uzbekistan, Kazakhstan	https://www.childca.eu/2022/11/04/cchildca-training-in-pavia-krakow-freiburg/
01/10/2022	ChildCA IG profile	IG posts - ChildCA long-term Training in UE, Pavia	https://www.instagram.com/p/CjL3MGjLjV/ , https://www.instagram.com/p/CjL4JKsL9R3/
15/10/2022	ChildCA IG profile	IG post - ChildCA short-term Training in UE, Pavia	https://www.instagram.com/p/CjvcptGsRM-/

UNIVERSITY OF PAVIA (UNIPV) - COORDINATOR

Date (dd/mm/yyyy)	Where	Title/Description	Link
05/2022	UNIPV website	UNIPV AL VII CONVEGNO CUCS A NAPOLI	http://news.unipv.it/?p=67749
09/2022	UNIPV website	CHILDCA TRAINING A PAVIA: MODERNIZZARE L'EDUCAZIONE PEDIATRICA IN ASIA CENTRALE - TAGIKISTAN, UZBEKISTAN, KAZAKISTAN	http://news.unipv.it/?p=71746
10/2022	UNIPV website	A PAVIA I PEDIATRI DEL PROGETTO CHILDCA	http://news.unipv.it/?p=72596
18/01/2023	UNIPV website	SI È TENUTA IN KAZAKISTAN LA CONFERENZA FINALE PROGETTO CHILDCA	http://news.unipv.it/?p=74557

PARTNERS

Date (dd/mm/yyyy)	Where	Title/Description	Link
01/10/2022	TPMI website	СПЕЦИАЛИСТ ИЗ ТАШПМИ ПРОШЛА СТАЖИРОВКУ В ЕВРОПЕЙСКОМ УНИВЕРСИТЕТЕ В РАМКАХ РЕАЛИЗАЦИИ ПРОГРАММЫ ERASMUS+ CHILDSA	https://tashpmi.uz/2022/10/speczialist-iz-tashpmi-proshla-stazhirovku-v-evropejskom-universitete-v-ramkah-realizaczii-programmy-erasmus-childca/?hilite=%27childca%27
01/11/2022	TPMI website	СПЕЦИАЛИСТЫ ИЗ ТАШПМИ ПРОШЛИ СТАЖИРОВКУ В ВЕДУЩИХ УНИВЕРСИТЕТАХ ЕВРОПЫ В РАМКАХ РЕАЛИЗАЦИИ ПРОГРАММЫ ERASMUS+ CHILDSA	https://tashpmi.uz/2022/11/speczialisty-iz-tashpmi-proshli-stazhirovku-v-vedushhih-universitetah-evropy-v-ramkah-realizaczii-programmy-erasmus-childca/?hilite=%27childca%27
11/08/2022	KazNMU	Implementation of the Erasmus + program in KazNMU	https://news.kaznmu.edu.kz/%d1%80%d0%b5%d0%b0%d0%bb%d0%b8%d0%b7%d0%b0%d1%86%d0%b8%d1%8f-%d0%bf%d1%80%d0%be%d0%b3



			%d1%80%d0%b0 %d0%bc%d0%bc %d1%8b-erasmus- %d0%b2- %d0%ba%d0%b0 %d0%b7%d0%bd %d0%bc%d1%83/
25/01/2023	VSHOZ	FB post about certification course in "Traumatology & Orthopaedics"	https://m.facebook.com/story.php?story_fbid=pfbid0jPJaX59fs622L9ULTdj1iEyFSNS48xYBszDRK5zTrPZ7wzJdhDpqR88ExLgiEmSl&id=100057316064798&mibextid=Nif5oz
25/01/2023	VSHOZ	IG post about certification course in "Traumatology & Orthopaedics"	https://www.instagram.com/p/Cn1Dh3xtnmo/?igshid=YmMyMTA2M2Y%3D