



Medical students' self-assessed level of intercultural competence (ICC): first results of a Hungarian survey

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UNIVERSITY OF PÉCS MEDICAL SCHOOL MIGRANT HEALTH PROGRAMS







Medical School (MS)



MS at UP is the only internationally recognised centre for **medical**, **dental** and **pharmacological education** in the Trans-Danubian region of Hungary.

Our recently launched majors are:

- MSc in Biotechnology
- Medical Translation and Interpretation

UP-MS is divided into **33 clinical departments** and another **25 departments** concerned with the **basic sciences and pre-clinical medicine**

Currently 3635 students from 66 countries are attending the Medical School and the Faculty of Pharmacy within the frame of our Hungarian, English or German Programs.





Background

- since 2013 rapidly growing international migration
 - → new challenges to the EU healthcare systems
- 2015 "High-level meeting on Refugee and Migrant Health" (WHO)
- Outcome Document:

"providing migrant-sensitive health care and the periodic assessment of the sufficiency and preparedness of the health system capacity which 'can adapt and respond to the needs of a changing population and take account of cultural, religious, linguistic and gender diversity.



Training of health professionals and relevant non-health actors is a key element to achieve this purpose"



Aims of our research

- How prepared they are?
- What are our tasks to achieve improvements?

→ a comprehensive questionnaire survey was designed to assess the level of ICC among medical students and doctors (2016 - still ongoing)

Aims:

from

66 countries

- to monitor the current level of intecultural competency of medical students:
- to compare ICC level among students of different nationality (comparison of similar age-groups by Study Program (HU-ENG-DE)?
- to analyse differences (if there are...)
- to identify potential difficulties and areas to improve in curriculum
- to assess medical students' needs and recommendations regarding CD



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Methods

Target populations of the research:

- 1st and upper (4-5th) year medical, dentistry and pharmacy students, + MDs
- both Hungarian, English and German Program
- between Sept, 2016 and May, 2018: total 1100-1200 participants

Survey instrument

- modified version of the Clinical Cultural Competency Questionnaire (CCCQ)
- with the permission of the author (Robert.C. Like, US)
- self-administered
- anonymous
- translated
- 94 items/6 sections
- Likert-scale: 1-5
- regular PH classes

In this presentation:

- 4th year, 244
- gen. med. students
- April, 2017
- HU-EN-DE

Section	Area of focus	Nr. of iten	ns
Α	DEMOGRAPHIC characteristics	9	
В	KNOWLEDGE of health disparities	21	
C	SKILLS in dealing with sociocultural issues during patient care	15	
D	COMFORT LEVEL in dealing with cross-cultural situations	16	١
E	I. ATTITUDES towards factors contributing to health disparities	17	
	II. Self-awareness of:		20
	a. racial, ethnic, or cultural identity	1	
	b. racial, ethnic, or cultural stereotypes	1	
	c. biases and prejudices	1)
	III. Importance of cultural competency training	1	
F	I. PREVIOUS TRAINING in cultural diversity	8	
	II. Interest and willingness to attend ICC training course	2	
	III. Challenges of incorporating ICC training into medical curricula	2	

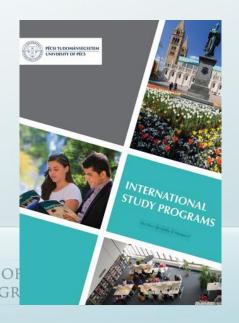
Preliminary results: Under analysis!!!

N		тс	DTAL		GARIAN GRAM		IGLISH DGRAM		RMAN DGRAM
Male		N	%	N	%	N	%	N	%
Male 101 41.4 47 36.7 32 45.7 22 47.8 Female 143 58.6 81 63.3 38 54.3 24 52.2 Age Between 21 and 26 years 167 68.4 118 92.2 25 35.7 24 52.2 Above 27 years 77 31.6 10 7.8 45 64.3 22 47.8 Minimum 23 9.4 23 18.0 23 32.9 24 52.2 Maximum 32 12.1 29 22.7 32 45.7 30 65.2 Mean (SD) 1 20 27.3 (2.01) 26.3 (1.77) 26.3 (1.77) Nationality-Ethnic background Nr of rethnic groups (Ethn) 33 5 20 4 20 4 4 20 4 4 20 4 4 20 4 4 20 4 4 4 20	Number of students	244		128		70		46	
Remaile	Gender			•					
Retween 21 and 26 years 167 68.4 118 92.2 25 35.7 24 52.2	Male	101	41.4	47	36.7	32	45.7	22	47.8
Between 21 and 26 years 167 68.4 118 92.2 25 35.7 24 52.2	Female	143	58.6	81	63.3	38	54.3	24	52.2
Above 27 years 77 31.6 10 7.8 45 64.3 22 47.8 Minimum 23 9.4 23 18.0 23 32.9 24 52.2 Maximum 32 13.1 29 22.7 32 45.7 30 65.2 Mean (SD) Mean (SD) 25.8 (1.95) 24.8 (1.3) 27.3 (2.01) 26.3 (1.77) Nationality-Ethnic background Nr of nationalities (Nat) 20 1 1 7 3 3 5 25 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Age			•					
Minimum 23 9.4 23 18.0 23 32.9 24 52.2 Maximum 32 13.1 29 22.7 32 45.7 30 65.2 Mean (SD) 25 25.8 (1.95) 24.8 (1.3) 27.3 (2.01) 26.3 (1.77) Nationality-Ethnic background 1 1 17 3 3 4 20 4 1 11 11 11 20 11 11 11 20 11 11 11 20 11 11 11 11	Between 21 and 26 years	167	68.4	118	92.2	25	35.7	24	52.2
Maximum 32 13-1 29 22.7 32 45.7 30 65.2 Mean (SD) 25.8 (1.95) 24.8 (1.3) 27.3 (2.01) 26.3 (1.77) Nationality-Ethnic background Nr of nationalities (Nat) 20 1 17 3 Nr of countries of origin (CoO) 25 4 20 4 Nr of ethnic groups (Ethn) 33 5 25 5 Students' ethnical homogenity/diversity Same nationality, country of origin and majority ethnicity of CoO 194 79.5 120 93.8 45 64.3 29 63.0 Any differences in Nat-CoO and majority ethnicity of CoO 28 11.5 8 6.3 14 20.0 6 13.0 Not answered regarding self-reported ethnic background 22 9.0 0 0.0 11 15.7 11 23.9 Language competencies 25 3 2.3 4 5.7 0 0.0 Speaks 1 foreign language 7 2.9 3 2.3 4 5.7 0 0.0	Above 27 years	77	31.6	10	7.8	45	64.3	22	47.8
Nationality-Ethnic background 20	Minimum	23	9.4	23	18.0	23	32.9	24	52.2
Nationality-Ethnic background Nr of nationalities (Nat) 20 1 17 3 Nr of countries of origin (CoO) 25 4 20 4 Nr of ethnic groups (Ethn) 33 5 25 5 Students' ethnical homogenity/diversity Same nationality, country of origin and majority ethnicity of CoO 194 79.5 120 93.8 45 64.3 29 63.0 Any differences in Nat-CoO and majoritiy ethnicity of CoO 28 11.5 8 6.3 14 20.0 6 13.0 Not answered regarding self-reported ethnic background 22 9.0 0 0.0 11 15.7 11 23.9 Language competencies Does not speak any foreign languages 7 2.9 3 2.3 4 5.7 0 0.0 Speaks 1 foreign language 82 33.6 39 30.5 29 41.4 14 30.4 Speaks 2 foreign languages 116 47.5 75 58.6 25 35.7 16 34.8 Speaks 3 or mo	Maximu m	32	13.1	29	22.7	32	45.7	30	65.2
Nr of nationalities (Nat) 20	Mean (SD)		25.8 (1.95)	24.8 (1.3)		27.3 (2.01)		26.3 (1.77)
Nr of countries of origin (CoO) 25	Nationality-Ethnic background			_					
Nr of ethnic groups (Ethn) 33 5 25 5	Nr of nationalities (Nat)	20		1		17		3	
Students' ethnical homogenity/diversity Same nationality, country of origin and majority 194 79.5 120 93.8 45 64.3 29 63.0 Any differences in Nat-CoO and majoritiy 28 11.5 8 6.3 14 20.0 6 13.0 Not answered regarding self-reported ethnic 22 9.0 0 0.0 11 15.7 11 23.9 Language competencies Does not speak any foreign languages 7 2.9 3 2.3 4 5.7 0 0.0 Speaks 1 foreign language 82 33.6 39 30.5 29 41.4 14 30.4 Speaks 2 foreign languages 116 47.5 75 58.6 25 35.7 16 34.8 Speaks 3 or more foreign languages 39 16.0 11 8.6 12 17.1 16 34.8 Living abroad 86 35.2 86 67.2 0 0.0 0 0.0 Lived abroad for 1-3months the most 34 13.9 34 26.6 0 0.0 0 0.0	Nr of countries of origin (CoO)	25		4		20		4	
Same nationality, country of origin and majority ethnicity of CoO Any differences in Nat-CoO and majority ethnicity of CoO Not answered regarding self-reported ethnic background Language competencies Does not speak any foreign languages 7 2.9 3 2.3 4 5.7 0 0.0 Speaks 1 foreign language 82 33.6 39 30.5 29 41.4 14 30.4 Speaks 2 foreign languages 116 47.5 75 58.6 25 35.7 16 34.8 Speaks 3 or more foreign languages 39 16.0 11 8.6 12 17.1 16 34.8 Living abroad Never lived abroad 86 35.2 86 67.2 0 0.0 0.0 0.0 0.0 10 0.0 10 0.0 10 0.0 0.	Nr of ethnic groups (Ethn)	33		5		25		5	
ethnicity of CoO Any differences in Nat-CoO and majoritiy ethnicity of CoO Not answered regarding self-reported ethnic background Language competencies Does not speak any foreign languages Speaks 1 foreign language 82 33.6 39 30.5 29 41.4 14 20.0 6 13.0 15.7 11 23.9 Language competencies Does not speak any foreign languages Speaks 2 foreign language 116 47.5 75 58.6 25 35.7 16 34.8 Speaks 3 or more foreign languages 39 16.0 11 8.6 12 17.1 16 34.8 Living abroad Never lived abroad Speaks 34 13.9 34 26.6 0 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Students' ethnical homogenity/diver	rsity							
Not answered regarding self-reported ethnic background		194	79.5	120	93.8	45	64.3	29	63.0
Language competencies Does not speak any foreign languages 7 2.9 3 2.3 4 5.7 0 0.0	ethnicity of CoO	28	11.5	8	6.3	14	20.0	6	13.0
Does not speak any foreign languages 7 2.9 3 2.3 4 5.7 0 0.0	background	22	9.0	0	0.0	11	15.7	11	23.9
Speaks 1 foreign language 82 33.6 39 30.5 29 41.4 14 30.4 Speaks 2 foreign languages 116 47.5 75 58.6 25 35.7 16 34.8 Speaks 3 or more foreign languages 39 16.0 11 8.6 12 17.1 16 34.8 Living abroad 86 35.2 86 67.2 0 0.0 0 0.0 Lived abroad for 1-3months the most 34 13.9 34 26.6 0 0.0 0 0.0	Language competencies								
Speaks 2 foreign languages 116 47.5 75 58.6 25 35.7 16 34.8 Speaks 3 or more foreign languages 39 16.0 11 8.6 12 17.1 16 34.8 Living abroad 86 35.2 86 67.2 0 0.0 0 0.0 Lived abroad for 1-3months the most 34 13.9 34 26.6 0 0.0 0 0.0	Does not speak any foreign languages	-		_				_	
Speaks 3 or more foreign languages 39 16.0 11 8.6 12 17.1 16 34.8	Speaks 1 foreign language	82			30.5			14	
Living abroad 86 35.2 86 67.2 0 0.0 0 0.0 Lived abroad for 1-3months the most 34 13.9 34 26.6 0 0.0 0 0.0	Speaks 2 foreign languages	116	47.5	75	58.6			16	34.8
Never lived abroad 86 35.2 86 67.2 0 0.0 0 0.0 Lived abroad for 1-3months the most 34 13.9 34 26.6 0 0.0 0 0.0		39	16.0	11	8.6	12	17.1	16	34.8
Lived abroad for 1-3months the most 34 13.9 34 26.6 0 0.0 0 0.0	Living abroad								
	Never lived abroad	86	35.2	86	67.2	0	0.0	0	0.0
	Lived abroad for 1-3months the most	34	13.9	34	26.6	0	0.0	0	0.0
	Lived in 1 foreign country for min. 6mts.	94	38.5	6	4.7	51	72.9	37	80.4
Lived in 2 or more foreign countries at 30 12.3 2 1.6 19 27.1 9 19.6		30	12.3	2	1.6	19	27.1	9	19.6
Received previous ICC training	Received previous ICC training								
At HEI, during medical studies 109 44.7 52 40.6 31 44.3 30 65.2	At HEI, during medical studies	109	44.7	52	40.6	31	44.3	30	65.2
From other sources, outside HEI 113 46.3 51 39.8 36 51.4 26 56.5	From other sources, outside HEI	113	46.3	51	39.8	36	51.4	26	56.5
Never 79 32.4 52 40.6 21 30.0 6 13.0	Never	79	32.4	52	40.6	21	30.0	6	13.0

Results 1. Study population

244 students:

- 128 HU (52%)
- 70 EN (29%)
- 46 DE (19%)







Results 2.

General results of the 4 main domains

	DON	/LEDGE' //AIN ·105)	'SKILLS' DOMAIN (15-75)			TIONS' MAIN -80)	'ATTIT DOM (20-	IAIN	
	mean	SD	mean	SD	mean	SD	mean	SD	
Total	60.7	12	48.62	10.89	49.07	8.87	74.5	9.3	
Gender									→ Ø sign. diff. by gender
Male	61.37	12.83	47.13	11.03	49.75	10	74.3	8.69	, 3
Female	60.22	11.46	49.67	10.71	48.59	7.69	75.17	9.81	
\ge									→ Ø sign. diff. by age
Between 21 and 26 years	60.11	11.36	49.45	10.41	47.79	7.89	74.19	8.94	
Above 27 years	61.97	13.37	46.82	11.74	51.86	9.78	75.25	10.06	
tudy program									DE: better knowledge
Hungarian Program	59.31	12.56	52.7	9.79	47.58	7.92	75.57	8.1	HU: better skills
English Program	59.74	11.48	43.59	10.48	50.86	9.35	73.54	11.08	1101 Detter James
German Program	66	9.96	44.93	10.06	50.52	9.28	73.11	9.3	
anguage competencies									more foreign language
Does not speak any foreign languages	53.29	13.59	45	7.92	47.14	7.93	67.86	9.48	
Speaks 1 foreign language	60.01	9.99	46.83	10.91	47.96	8.39	74.41	8.73	→ higher scores in ALL
Speaks 2 foreign languages	59.9	12.11	49.44	10.3	49.04	8.21	74.72	9.21	domains!
Speaks 3 or more foreign languages	65.85	14.14	50.59	13.24	51.85	10.52	75.36	10.5	
Living abroad									
Never lived abroad	58.91	12.06	51.35	8.94	47.02	7.65	74.86	8.13	living abroad Ø effect
Lived abroad for 1-3months the most	59.21	12.38	54.65	11.45	47.76	7.96	76	8.03	on ICC
Lived in 1 foreign country for min. 6mts.	62.6	12.16	44.74	10.96	50.55	9.3	74.64	10.06	
Lived in 2 or more foreign countries at least for 6 months	61.57	10.63	46.1	10.28	51.8	9.31	71.5	10.97	
Received previous ICC training									previous ICC training
At HEI. during medical studies	63.1	11.93	48.9	9.88	49.86	8.77	74.56	9.7	→ better KNOWLEDGE
From other sources, outside HEI	63.59	11.54	49.04	11.45	50.41	8.86	75.77	8.96	Ø effect on other dom.
Never	57.47	12.3	48.16	10.92	48.06	9	73.85	9.07	7





Awareness of diverse ethnic groups'... ...health ...demography ...socioculture ...health risks inequalities mean SD mean SD mean SD mean SD Total 2.75 0.85 2.93 0.86 3.06 0.85 3.05 0.86 Study program 2.59 0.79 2.76 0.9 3.02 0.86 3.07 0.85 Hungarian Program English Program 2.89 0.99 3.07 0.86 3.07 0.86 3.93 0.92 German Program 2.98 0.71 3.2 0.62 3.17 0.8 3.22 0.76 Language competencies Does not speak any foreign lang. 2.43 1.13 2.14 0.9 2.29 0.95 2.86 0.69 Speaks 1 foreign language 2.72 0.71 2.94 0.81 3.04 0.73 3.12 0.74 Speaks 2 foreign languages 2.7 0.9 2.85 0.89 3.08 0.86 2.98 0.89 Speaks 3 or more foreign lang. 3.03 0.9 3.28 0.76 3.21 0.98 3.18 1 Received previous ICC training At HEI, during medical studies 2.8 0.9 2.97 0.81 3.16 0.91 3.12 0.86 0.82 3.2 0.79 0.84 From other sources, outside HEI 2.92 0.86 3.12 3.21 2.59 0.87 2.75 0.93 2.94 0.85 2.89 0.83 Never

	Knowlegde of the following subject areas											
	etno- pharmacology		tradition meth		health e rassisn discrimi	n and	policies dealing with diversity in Ho					
	mean	SD	mean	SD	mean	SD	mean	SD				
Total	2.49	0.9	2.32	1.02	3.1	1	2.8	1.03				
Study program												
Hungarian Program	2.24	0.89	2.15	1	2.85	0.97	2.52	0.98				
English Program	2.56	1	2.37	1.07	3.11	0.97	3	1.04				
German Program	3.11	0.88	2.76	0.9	3.7	0.87	3.46	0.84				
Language competencies												
Does not speak any foreign lang.	2.14	1.07	2	1	3.14	0.69	3.14	1.35				
Speaks 1 foreign language	2.38	0.92	2.37	0.99	3.1	0.86	2.87	0.95				
Speaks 2 foreign languages	2.39	0.94	2.18	1	3.03	1.04	2.71	1.06				
Speaks 3 or more foreign lang.	3.13	0.92	2.74	1.09	3.23	1.2	3.1	1.05				
Received previous ICC training	ıg											
At HEI, during medical studies	2.72	1.06	2.56	1.05	3.24	1.01	3.17	1				
From other sources, outside HEI	2.67	0.98	2.5	1.04	3.35	0.96	3.08	1.02				
Never	2.22	0.83	1.97	0.91	2.76	1.02	2.44	0.96				

Results 3.

Particular results regarding KNOWLEDGE

Scores 1-5

Focusing only on the <u>differing variables</u>:

- 1. study program (HU-EN-DE)
- 2. language competencies
- 3. previous ICC training

Same pattern for all "knowledge" questions…:

- ie. higher scores...
- for German Program students
- for better language competency students
- for those with previous ICC training

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Results 4.

Particular results regarding

SKILLS

Scores 1-5

Self-assessment of necessery skills(mean)	Total	Male	Femal	21-26 years	Above 27 years	HU	EN	DE
Greeting patients in a culturally sensitive manner (ie. shaking hands in which cultures is acceptable, etc.)	3.67	3.58	3.73	3.60	3.82	3.6 2	3.84	3.57
Eliciting the patient's perspective about health and illness (e.g., its etiology,treatment, course, prognosis)	3.61	3.58	3.63	3.60	3.64	3.7	3.49	3.37
Eliciting information about use of folk remedies and/or other alternative healing modalities	3.11	3.04	3.15	3.17	2.97	3.4 5	2.60	2.93
Eliciting information about use of folk healers and/okother alternative practitioners	3.07	2.97	3.13	3.18	2.82	* 3.55	2.44	2.65
Performing a culturally sensitive physical examination	3.24	3.09	3.34	3.23	3.25	3.29	3.04	3.39
Prescribing/negotiating a culturally sensitive treatment * plan	3.05	3.00	3.09	3.07	3.03	3.2 2 *	2.84	2.91
Providing culturally sensitive patient education and counseling	3.30	3.24	3.35	3.40	3.09	3.6 2	2.91	3.02
Providing culturally sensitive clinical preventive services (ie. screening. vaccination, etc.)	3.29	3.15	3.38	3.37	3.12	3.49 <mark>,</mark>	2.96	3.22
Providing culturally sensitive end of life care	3.01	2.93	3.06	3.02	2.97	3.19	2.83	2.78
Assessing health literacy (ie. how the patient understands the treatment plan, etc.)	3.40	3.28	3.49	3.53	3.13	3.78 [*]	3.00	2.98
Working with medical interpreters	3.33	3.19	3.42	3.45	3.05	3.92	2.70	2.63
Dealing with cross-cultural conflicts relating to * diagnosis or treatment	3.06	2.96	3.13	3.11	2.94	3.37	2.63	2.85
Dealing with cross-cultural adherence/compliance * (patient's cooperation) problems	3.02	2.99	3.05	3.08	2.90	3.31 *	2.61	2.85
Dealing with cross-cultural ethical conflicts *	3.04	2.92	3.12	3.14	2.82	3.38	2.63	2.72
Apologizing for cross-cultural errors or misunderstandings	3.48	3.33	3.59	3.55	3.32	3.84	3.10	3.07

Concerning skills:

- slightly higher scores (NS) for females
- the highest scores for HU students in all questions except one!

Lowest SKILL-scores regarding culturally-sensitive end-life care!!!

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Results 5.

Particular results regarding

Scores 1-5

SITUATIONS

COMFORT LEVEL in dealing		Ge	nder	Α	ge ·	Stu	idy progr	am
with cross-cultural situations	Total	Male	Female .	21-26 years	Above 27 years	HU	. EN	DE
Caring for patients from culturally diverse backgrounds	3.76	3.69	3.80	3.63	4.04	3.50	4.11	3.93
Caring for patients with limited English (or your national language) proficiency	3.66	3.69	3.63	3.51	3.96	3.55	3.79	3.76
Caring for a patient who insists on using or seeking folk healers or alternative therapies	2.77	2.74	2.78	2.68	2.95	2.63	2.97	2.85
Identifying beliefs that are not expressed by a patient or caregiver but might interfere with the treatment regimen	2.72	2.82	2.65	2.58	3.03	2.48	3.04	2.89
Being attentive to nonverbal cues or the use of culturally specific gestures that might have different meanings in different cultures	3.04	3.02	3.06	3.01	3.12	2.97	3.11	3.13
Interpreting different cultural expressions of pain, distress, and suffering	3.34	3.20	3.44	3.33	3.36	3.42	3.29	3.20
Advising a patient to change behaviors or practices related to cultural beliefs that impair one's health	3.23	3.34	3.15	3.18	3.32	3.25	3.17	3.24
Speaking in an indirect rather than a direct way to a patient about his/her illness if this is more culturally appropriate	3.05	2.98	3.10	2.96	3.23	3.05	3.04	3.07
Breaking "bad news" to a patient's family first rather than to the patient if this is more culturally appropriate	2.91	2.94	2.88	2.89	2.94	3.10	2.66	2.74
Working with health care professionals from culturally diverse backgrounds	3.86	3.80	3.90	3.80	3.99	3.76	3.99	3.93
Working with a colleague who makes derogatory remarks about patients from a particular ethnic group	2.20	2.56	1.94	2.05	2.51	2.00	2.35	2.52
Treating a patient who makes derogatory comments about your racial or ethnic background	2.16	2.42	1.99	1.98	2.56	1.91	2.39	2.54
Dealing with patients who make derogatory comments about other patients ethnic background	2.25	2.62	1.98	2.16	2.43	2.07	2.47	2.39
Dealing with large groups of family members accompanying and visiting patients	2.92	2.89	2.94	2.83	3.12	2.74	3.12	3.11
Dealing with patients having culturally different eating habits (ie. certain standards of food like kosher etc.)	3.64	3.49	3.76	3.60	3.73	3.66	3.67	3.57
Supporting patients need to practice their religion	3.61	3.57	3.63	3.59	3.65	3.50	3.77	3.65

Comfort-level with crosscultural situations:

- lowest scores: derogatory remarks!

highest comfort scores:

- caring for culturally and linguistically diverse patients
- + working with colleagues with cult. different background

No significant differences in comfort level concerning gender, age or study program





Results 6.

Particular results regarding

ATTITUDES

1-5 scores

Assessing the role of certain		Ger	nder	Α	ge	Stu	dy progra	ım
factors in contributing to health disparities(mean)	Total	otal M ale Female		21-26 years	Male	Female	21-26 years	Male
o genetics	3.60	3.57	3.62	3.46	3.91	3.34	3.99	3.76
o lifestyle	4.40	4.51	4.50	4.48	4.57	4.45	4.70	4.38
o environment	4.36	4.34	4.37	4.34	4.39	4.39	4.41	4.17
o poverty	4.30	4.20	4.31	4.28	4.25	4.26	4.33	4.20
o education status	4.06	4.04	4.08	4.11	3.96	4.10	4.00	4.04
o illiteracy (analphabetism)	3.30	3.54	3.72	3.71	3.52	3.75	3.63	3.39
o 'ageism' (dicrim. of the elderly)	3.34	3.36	3.33	3.30	3.43	3.23	3.70	3.09
o sexism	3.10	2.82	2.99	2.80	3.19	2.66	3.27	3.11
o racism	3.14	3.06	3.19	3.04	3.36	2.98	3.33	3.27
o 'Classism' (disc. based on social classes)	3.78	3.07	3.30	3.14	3.33	3.06	3.29	3.47
o 'ableism' (discr. of the disabled)	3.15	3.01	3.25	3.04	3.38	3.04	3.33	3.18
o homophobia	3.11	2.76	2.92	2.74	3.12	2.78	2.86	3.07

"lifestyle, environment, poverty and educational status"
were assigned as the most important factors which
may contribute to health disparities

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Consider IMPORTANT Received previous ICC the ICC training of training **HCWs** From other (scores 1-5) At HEI during sources outside medical studies HEI SD % % mean n 4.02 0.95 109 44.7 113 46.3 Total (n=244) Gender 51 50.5 54 3.75 1.05 53.5 Male (n=101) 58 59 Female (n=143) 4.2 0.82 40.6 Age 3.99 0.93 70 41.9 72 43.1 Between 21 and 26 years (n=167) Above 27 years (n=77) 4.07 0.98 39 50.6 41 53.2 Study program 3.94 0.92 48 37.5 51 39.8 Hungarian Program (n=128) 4.03 1.04 44.3 51.4 English Program (n=70) 4.22 0.87 30 65.2 26 56.5 German Program (n=46) Language competencies 3.57 1.13 57.1 57.1 Does not speak any foreign languages (n=7) 4.09 0.93 35 42.7 39 47.6 Speaks 1 foreign language (n=82) 3.98 0.92 48 48 Speaks 2 foreign languages (n=116) 41.4 41.4 Speaks 3 or more foreign languages (n=39) 4.05 1.02 22 56.4 22 56.4 Living abroad 3.86 0.98 32 37.2 31 36.0 Never lived abroad (n=86) 4.03 0.72 11 32.4 17 50.0 Lived abroad for 1-3months the most (n=34) 4.17 0.92 49 52.1 50 53.2 Lived in 1 foreign country for min. 6mts. (n=94) Lived in 2 or more foreign countries 3.97 1.12 17 56.7 15 50.0 at least for 6 months (n=30) Received previous ICC training 3.93 0.93 At HEI. during medical studies (n=109) 4.24 0.88 From other sources, outside HEI (n=113) 3.86 1 Never (n=79)

Results 7. Particular results regarding TRAINING

Consider it more important:

- females
- German Program students
- who speaks foreign languages
- who learnt individually of ICC

Received more previous ICC training:

- males
- older age-group
- German Program students

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Results 8.

Particular results regarding

TRAINING

		Wo	uld be intere	sted in	a course imp	roving his	/her I	ICC	W	ould attend a	course a	iming to impr	ove his/he	rICC
		ye	28		maybe	:	no	D	,	yes :	n	naybe		no
		n	%	n	%	n		%	n	%	n	%	n	%
Total (n=244)	1	41	57.8	64	26.2	39		16	126	51.6	77	31.6	41	16.8
Gender						_								
Male (n=101)		53	52.5	29	28.7	19		18.8	46	45.5	37	36.6	18	17.8
Female (n=143)		38	61.5	35	24.5	20	- 1	14.0	80	55.9	40	28.0	23	16.1
Age														
Between 21 and 26 (n=167)	, 9	93	55.7	44	26.3	; 30		18.0	84	50.3	51	30.5	32	19.2
Above 27 years (n=77)	. 4	18	62.3	20	26.0	9		11.7	42	54.5	26	33.8	9	11.7
Study program														
Hungarian program = 1 (n=128)	7	75	58.6	27	21.1	26		20.3	69	53.9	31	24.2	28	21.9
English program =2 (n=70)	4	12	60.0	19	27.1	9		12.9	40	57.1	21	30.0	9	12.9
German program =3 (n=46)	2	24	52.2	18	39.1	4		8.7	17	37.0	25	54.3	4	8.7
Language competencies														
Does not speak any foreign languages (n=7)		1	14.3	3	42.9	3		42.9	2	28.6	1	14.3	4	57.1
Speaks 1 foreign language (n=82)	4	19	59.8	25	30.5	8		9.8	44	53.7	28	34.1	10	12.2
Speaks 2 foreign languages (n=116)	6	58	58.6	24	20.7	24		20.7	58	50.0	35	30.2	23	19.8
Speaks 3 or more foreign languages (n=39)	2	23	59.0	4	10.2	12		30.8	22	56.4	13	33.3	4	10.3
Living abroad														
Never lived abroad (n=86)	4	18	55.8	16	18.6	22		25.6	43	50.0	19	22.1	24	27.9
Lived abroad for 1-3months the most (n=34)	2	22	64.7	9	26.4	3		8.8	22	64.7	9	26.4	3	8.8
Lived in 1 foreign country for min. 6mts. (n=94)	5	57	60.6	29	30.9	8		8.5	51	54.3	36	38.3	7	7.4
Lived in 2 or more foreign countries at least for 6 months (n=30)	1	14	46.7	10	33.3	6		20.0	10	33.3	13	43.3	7	23.3
Received previous ICC training														
At HEI. during medical studies (n=109)	5	59	54.1	29	26.6	21		19.3	53	48.6	33	30.3	23	21.1
From other sources. outside HEI (n=113)	7	75	66.4	25	22.1	13		11.5	64	56.6	34	30.1	15	13.3
None, never (n=79)	4	13	54.4	23	29.1	13		16.5	38	48.1	29	36.7	12	15.2

Would be interested: 60% and would attend: 50% + 26-32% MAYBE, only 16% NOT In general: females are more interested, and students of the German program (9%>NOT) Other factors have no effect on participants' interest and willingness to attend ICC training!!!







Preliminary conclusions

Medical students' intercultural competency level (both Hungarian AND international students') is currently under investigation in Hungary and also in CEE for the first time!

As having received previous ICC training resulted in better 'knowledge' but had no effect on 'skills', 'attitudes' and 'comfort level in cross-cultural situations', future training programs at medical schools shall focus more on developing skills and enhance attitudes in addition to improving students' awareness (practice, various methods!).

Students of the German Program reported having received more previous ICC training, and this may have resulted in their higher self-assessed 'knowledge' scores (bias?).

Our data suggested that higher 'language competency' may resulted in higher scores in all 4 domains and this may suggest that improving language competences may contribute to better ICC as well. Unexpectedly, 'living abroad' had no effect on students' ICC level.

Our study participants demonstrated lowest 'skill'-scores regarding providing culturally-sensitive end-life care: important area to focus on. Similarly, improving coping strategies when dealing with derogatory remarks from colleagues and patients on ethnicity (CD)!

Encouraging: students consider it important to offer ICC training for HCWs and a great majority expressed their interest and willingness to participate on ICC improving course!





Thank you for your attention!





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