

Attachment 1: Questionnaire



UNIVERSITÄT ZU LÜBECK
INSTITUT FÜR ALLGEMEINMEDIZIN



Universitätsmedizin Essen
Universitätsklinikum



To what extent have national learning objectives in undergraduate medical education been achieved? A cross-sectional study of primary care residents

Dear colleagues,

We would like to invite you to participate in a study investigating the above question.

In April 2021, the new National Competency-based Catalogue of Learning Objectives for Undergraduate Medical Education 2.0 (NKLM 2.0) was published. The catalogue of learning objectives defines the competencies in which every physician should be proficient upon graduation from medical school. In addition to knowledge and clinical skills, there are also broader learning objectives such as professional conduct and attitude, academic scholarship, and "soft skills."^{1,2} This study will investigate the extent to which selected medical skills in the NKLM 2.0 have been mastered and are applied as perceived by postgraduate physician trainees. By participating in this study, you contribute to improving medical education!

This study entails an **anonymous** survey from which it is impossible to draw any conclusions about you or any other person. No registration is necessary to participate in the study. Any participation in the study is **voluntary**!

Should you have any questions about this study, please contact Dr. Dorothea Dehnen at dorothea.dehnen@uk-essen.de, 0201/723-8036

Thank you for participating. You can begin the survey here:

1. Medizinischer Fakultätentag. Kompetenzbasierte Lernzielkataloge (NKLM, NKLZ) – aus den Fakultäten und für die Fakultäten. Online publication: <https://medizinische-fakultaeten.de/themen/aktuelle-themen/nklm-nklz/>
2. Medizinischer Fakultätentag: Nationaler kompetenzbasierter Lernzielkatalog Medizin – Version 2.0. NKLM Loop Projekt Charité. Online publication: <https://nklm.de/zend/objective/list/orderBy/@objectivePosition/studiengang/Info>



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Please think back to the beginning of your first year of postgraduate training and think about whether you had learned the following skills during medical school or elsewhere (e.g., as part of previous professional training) and which level of competency you had attained at that time (you will need to make two marks per line). This refers to the competency level in treating an average patient in a general practitioner's office:

	I was unable.	I was able to:				Where was skill acquired?	
	<i>If true, then proceed to next line.</i>	with direct supervision	with guidance when needed	independently	teach it to someone else	During regular study (including clinical electives)	Outside of medical school (e.g., prior training, practicum prior to medical school, etc.)
Clinical examination of:							
Anal region, including digital-rectal exam							
Extremities							
Spine							
Eyes							
Skin and skin appendages							
Nervous system							
Male genitals including prostate							
Female breast and lymph nodes							
Neonate (e.g., gestational age, heart function, respiratory function, malformations, APGAR score)							
Infant (general and disease-specific)							



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	I was <u>unable</u> .	I was able to:				Where was skill acquired?	
	<i>If true, then proceed to next line.</i>	with direct supervision	with guidance when needed	independently	teach it to someone else	During regular study (including clinical electives)	Outside of medical school (e.g., prior training, practicum prior to medical study, etc.)
Toddler (general and disease-specific)							
Performance of:							
Exam to assess sense of balance and spatial orientation							
Examination of female genitals including use of speculum							
Geriatric exam & test procedures							
Prick test							
Intracutaneous test							
Epicutaneous test							
Correct sample taking for pathogen detection							
Lumbar puncture							
Arterial blood draw							
Local anesthesia (surface)							
Basic immobilization techniques/Bandaging							
Nasal pack							
Post-mortem examination							



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Insertion of:							
Transurethral bladder catheter							
Feeding tube							
Administration of medication with consideration of the benefits, drawbacks and particularities of different injection sites:							
Subcutaneous							
Intramuscular							
Intravenous							
Nasal							
Canthal							
Rectal							
Explanation and demonstration of:							
Age-specific procedure to place an IV line							
Correct use of inhalers and nebulizers in children							
Inquire about: / Describe and document:							
Patients' risk of harm to self and others							
Psychopathological report							



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In closing, we would like to request that you share some information about yourself.

Personal information

Age: _____

Gender: Female Male Other

Year of licensure: _____

Location of the medical school you attended (*Please indicate the medical school where you completed the majority of your undergraduate study*): _____

Current year of postgraduate training: 1 2 3 4 5

Which postgraduate competence center: North Rhine (KWNO) Westphalia-Lippe (KWWL) Schleswig-Holstein (KWA SH)

Have you completed training in another medical specialty?: Yes No

If so, which specialty? _____

Do you already have an additional qualification?: Yes No

If so, which qualification? _____

Currently working at: Office Hospital On parental leave Other: _____