



# NURIC

WP 3 Development

T3.1-Develop repository of learning materials

## Competency Assessment Instruments for NURIC Courses

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Within the NURIC courses, three standardized instruments are used to assess participants' nursing informatics competencies:

1. The **12-item Digital Competence Questionnaire (DCQ)**, developed and validated by Gotz et al. (2023, 2024), available in English and translated into Albanian and Hebrew by the NURIC consortium. This questionnaire is used for **registered nurses**.
2. Its **modified version for nursing students**, developed and validated by the NURIC consortium in the same languages.
3. **A course placement instrument** for each course topic, using a 5-point scale ("How familiar are you with topic X?") to determine training needs: scores of 1–2 indicate mandatory participation, while higher scores make attendance optional.

The DCQ (for nurses) and its modified version (for students) are administered before and after the courses to measure changes in competencies, whereas the placement instrument is administered only before the courses to guide participation.

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## REFERENCES

- Golz C, Hahn S, Zwakhalen SMG. Psychometric Validation of the Digital Competence Questionnaire for Nurses. *SAGE Open Nursing*. 2024;10. doi:10.1177/23779608241272641
- Golz, C., Hahn, S., Zwakhalen, S.M.G. Content Validation of a Questionnaire to Measure Digital Competence of Nurses in Clinical Practice. *Computers, Informatics, Nursing*. 2023;1;41(12), 949-956. doi: 10.1097/CIN.0000000000001037.



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### 12-item Digital Competence Questionnaire (DCQ), English version

How much do you agree or disagree with the following statements? Please note that there are no right or wrong answers, only your opinion.

Digital Competence Questionnaire (Golz et al, 2024)		strongly disagree			strongly agree
<b>Knowledge and Skills</b>					
I am familiar with digital technologies at my workplace	1	2	3	4	5
I feel confident in dealing with confidentiality issues relating to digital technology at my workplace	1	2	3	4	5
I feel confident about using digital technology to obtain data and information on clinical care	1	2	3	4	5
I am able to reach conclusions based on information acquired through digital technologies	1	2	3	4	5
I feel confident about using digital technology to communicate	1	2	3	4	5
I feel confident about using digital technology to find relevant information	1	2	3	4	5
<b>Attitude</b>	strongly disagree				strongly agree
Digital technology fits well with the way I like to work	1	2	3	4	5
I enjoy using digital technology at my workplace	1	2	3	4	5
I like to use digital technology at work	1	2	3	4	5
I believe that digital technology provides numerous benefits in terms of quality of care	1	2	3	4	5
I believe that digital technology improves patient outcomes	1	2	3	4	5
I believe that digital technology is beneficial for my patients	1	2	3	4	5



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### 12-item Digital Competence Questionnaire (DCQ), Albanian version

Sa jeni dakord ose jo me pohimet e mëposhtme? Ju lutem vini re që nuk ka përgjigje të sakta apo të gabuara, është thjeshtë mendimi i juaj.

Pyetesor i Kompetencës Digitale	<i>Nuk pajtohem fare</i>				<i>Pajtohem plotësisht</i>
Njohuritë dhe aftësitetë					
Unë kam njohuri lidhur me teknologjinë digitale në vendin tim të punës	1	2	3	4	5
Unë ndihem i,e sigurtë në trajtimin e cështjeve të konfidentialitetit në lidhje me teknologjinë digitale në vendin tim të punës	1	2	3	4	5
Unë ndihem i,e sigurtë në përdorimin e teknologjisë digitale për të marrë të dhëna dhe informacione mbi kujdesin klinik	1	2	3	4	5
Unë jam në gjendje të arrij në përfundime duke u bazuar në informacion e marrë përmes teknologjive digitale	1	2	3	4	5
Unë ndihem i,e sigurtë në përdorimin e teknologjisë digitale për të komunikuar	1	2	3	4	5
Unë ndihem i,e sigurtë për përdorimkin e teknologjisë digitale për gjetjen e informacioneve përkatëse	1	2	3	4	5
Qëndrimi	<i>Nuk pajtohem fare</i>				<i>Pajtohem plotësisht</i>
Teknologja digitale përshtatet mire me mënyrën se si unë pëlqej të punoj	1	2	3	4	5
Mua më pëlqen të përdor teknologjinë digitale në vendin tim të punës	1	2	3	4	5
Mua më pëlqen të përdor teknologjinë digitale në punë	1	2	3	4	5
Unë besoj se teknologjia digitale ofron përfitime të shumta për sa i përket cilësisë së kujdesit	1	2	3	4	5
Unë besoj se teknologjia digitale përmirëson rezultatet e pacientëve	1	2	3	4	5
Unë besoj se teknologjia digitale është e dobishme për pacientët e mi	1	2	3	4	5



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### 12-item Digital Competence Questionnaire (DCQ), Hebrew version

עד כמה אתה מסכים עם הטענות הבאות? שים לב שאין תשובות נכונות או לא נכונות, רק את דעתך.

שאלון בשירות דיגיטלי	ידע ומיומנויות	מצביע					מצביע מואיד
		מואיד לא מסכים	2	3	4	5	
אני מכיר טכנולוגיות דיגיטליות במקומות העבודה שלי	1						5
אני מרגיש בטוח להתמודד עם סוגיות סוציאטיות הקשורות לטכנולוגיה דיגיטלית במקומות העבודה שלי	1	2	3	4	5		
אני מרגיש בטוח לגבי השימוש בטכנולוגיה דיגיטלית כדי להשגנתה ומידע על טיפול קליני	1	2	3	4	5		
אני מסוגל להסיק מסקנות על סקר מידע שנרכש באמצעות טכנולוגיות דיגיטליות	1	2	3	4	5		
אני מרגיש בטוח לגבי השימוש בטכנולוגיה דיגיטלית כדי לתקשר	1	2	3	4	5		
אני מרגיש בטוח לגבי השימוש בטכנולוגיה דיגיטלית כדי למצוא מידע רלוונטי	1	2	3	4	5		
יחס	טכנולוגיה הדיגיטלית מתאימה היבר לאופן שבו אני אוהב לעבוד	מואיד לא מסכים	2	3	4	5	מצביע מואיד
	אני נהנה להשתמש בטכנולוגיה דיגיטלית במקומות העבודה שלי	1	2	3	4	5	
אני אוהב להשתמש בטכנולוגיה דיגיטלית בעבודה	1	2	3	4	5		
אני מאמין שהטכנולוגיה הדיגיטלית מספקת יתרונות רבים מבחינות איכות הטיפול	1	2	3	4	5		
אני מאמין שטכנולוגיה דיגיטלית משפרת את תוצאות הטיפולים	1	2	3	4	5		
אני מאמין שהטכנולוגיה הדיגיטלית מועילה לטיפולים שלי	1	2	3	4	5		



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### 12-item Digital Competence Questionnaire (DCQm) modified version

How much do you agree or disagree with the following statements? Please note that there are no right or wrong answers, only your opinion.

Digital Competence Questionnaire modified version		strongly disagree			strongly agree
<b>Knowledge and Skills</b>					
I am familiar with digital technologies in nursing	1	2	3	4	5
I feel confident in dealing with confidentiality issues relating to digital technology in nursing	1	2	3	4	5
I feel confident about using digital technology to obtain data and information on clinical care	1	2	3	4	5
I am able to reach conclusions based on information acquired through digital technologies in healthcare	1	2	3	4	5
I feel confident about using digital technology to communicate	1	2	3	4	5
I feel confident about using digital technology to find relevant information in healthcare	1	2	3	4	5
<b>Attitude</b>	strongly disagree				strongly agree
Digital technology will fit well with the way I like to work in healthcare	1	2	3	4	5
I enjoy using digital technology in nursing	1	2	3	4	5
I like to use digital technology in nursing	1	2	3	4	5
I believe that digital technology provides numerous benefits in terms of quality of care	1	2	3	4	5
I believe that digital technology improves patient outcomes	1	2	3	4	5
I believe that digital technology is beneficial for patients	1	2	3	4	5



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