



NURIC

WP 3 Development

T3.1-Develop repository of learning materials

Competency Assessment Instruments for NURIC Courses

Authors: Fabio D'Agostino, Noemi Giannetta, Ilaria Erba (UniCamillus Team)

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.

For further information, please contact:

Prof. Fabio D'Agostino, UniCamillus University, fabio.dagostino@unicamillus.org

REFERENCES

- Golz C, Hahn S, Zwakhlen SMG. Psychometric Validation of the Digital Competence Questionnaire for Nurses. SAGE Open Nursing. 2024;10. doi:10.1177/23779608241272641
- Golz, C., Hahn, S., Zwakhlen, 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)					
Knowledge and Skills	<i>strongly disagree</i>				<i>strongly agree</i>
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
Attitude	<i>strongly disagree</i>				<i>strongly agree</i>
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 Digjitale					
Njohuritë dhe aftësitë	<i>Nuk pajtohem fare</i>				<i>Pajtohem plotësisht</i>
Unë kam njohuri lidhur me teknologjinë digjitale në vendin tim të punës	1	2	3	4	5
Unë ndihem i,e sigurtë në trajtimin e çështjeve të konfidencialitetit në lidhje me teknologjinë digjitale në vendin tim të punës	1	2	3	4	5
Unë ndihem i,e sigurtë në përdorimin e teknologjisë digjitale 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 informacione e marrë përmes teknologjive digjitale	1	2	3	4	5
Unë ndihem i,e sigurtë në përdorimin e teknologjisë digjitale për të komunikuar	1	2	3	4	5
Unë ndihem i,e sigurtë për përdorimin e teknologjisë digjitale për gjetjen e informacioneve përkatëse	1	2	3	4	5
Qëndrimi	<i>Nuk pajtohem fare</i>				<i>Pajtohem plotësisht</i>
Teknologjia digjitale përshtatet mirë me mënyrën se si unë pëlqej të punoj	1	2	3	4	5
Mua më pëlqen të përdor teknologjinë digjitale në vendin tim të punës	1	2	3	4	5
Mua më pëlqen të përdor teknologjinë digjitale në punë	1	2	3	4	5
Unë besoj se teknologjia digjitale ofron përfitime të shumta për sa i përket cilësisë së kujdesit	1	2	3	4	5
Unë besoj se teknologjia digjitale përmirëson rezultatet e pacientëve	1	2	3	4	5
Unë besoj se teknologjia digjitale 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 או לא מסכים עם ההצהרות הבאות? שים לב שאין תשובות נכונות או לא נכונות, רק את דעתך.

שאלון כשירות דיגיטלית					
ידע ומיומנויות	מאוד לא מסכים				מסכים מאוד
אני מכיר טכנולוגיות דיגיטליות במקום העבודה שלי	1	2	3	4	5
אני מרגיש בטוח להתמודד עם סוגיות סודיות הקשורות לטכנולוגיה דיגיטלית במקום העבודה שלי	1	2	3	4	5
אני מרגיש בטוח לגבי השימוש בטכנולוגיה דיגיטלית כדי להשיג נתונים ומידע על טיפול קליני	1	2	3	4	5
אני מסוגל להסיק מסקנות על סמך 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	מאוד לא מסכים				מסכים מאוד
הטכנולוגיה הדיגיטלית מתאימה היטב לאופן שבו אני אוהב לעבוד	1	2	3	4	5
אני נהנה להשתמש בטכנולוגיה דיגיטלית במקום 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 מבחינת איכות הטיפול	1	2	3	4	5
אני מאמין שטכנולוגיה דיגיטלית משפרת את תוצאות המטופלים	1	2	3	4	5
אני מאמין שהטכנולוגיה הדיגיטלית מועילה למטופלים 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					
Knowledge and Skills	<i>strongly disagree</i>				<i>strongly agree</i>
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
Attitude	<i>strongly disagree</i>				<i>strongly agree</i>
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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