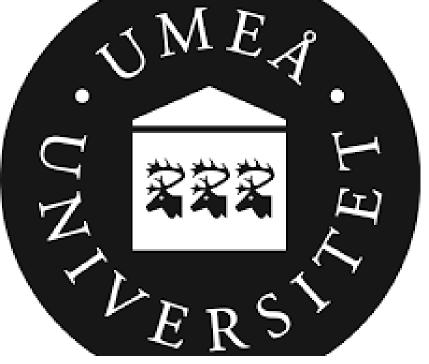
Herdís Sveinsdóttir, RN, PhDProfessor Faculty of Nursing, University of Iceland

Primacy of clinical teaching in bridging the theory practice gap



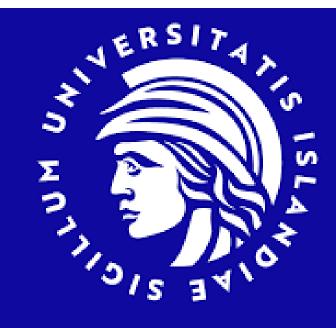














Two universities offer nursing education: University of Iceland and the University at Akurekyri









Nursing education at UI

- 4 years BS program since 1973 (240 ECTS)
- Second degree BS program since 2020 (240 ECTS)
- Diploma programs in clinical specialities since 1990 (30 to 60 ECTS)
- 2 years MS program in Midwifery since 1995 (120 ECTS)
- 2 years MS program since 1998 (120 ECTS)
- 3 years PhD program since 2004 (180 ECTS)



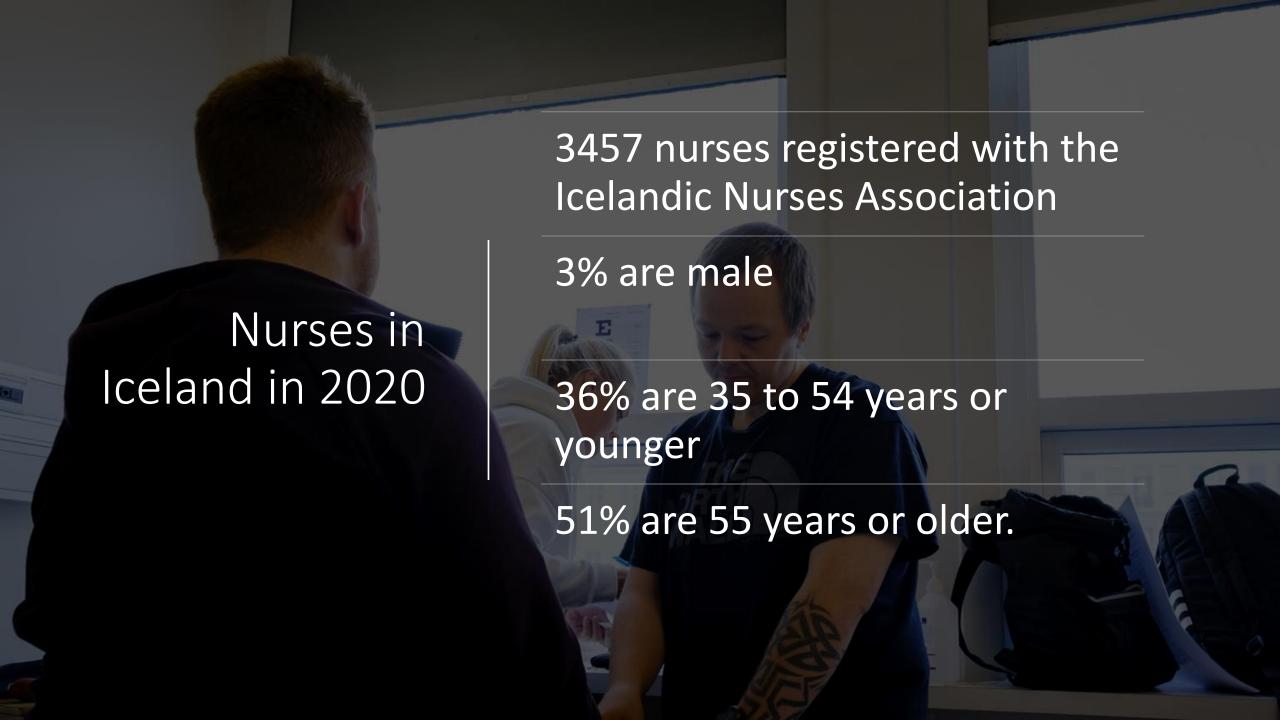




Nursing students and teachers at UI

A total of 850 – 900 students Faculty:

- 33 people in 25.4 FTE
 - 31 with a PhD degree
- About 400 sessional teachers



Structure

- Discuss nursing education based on the EU-directives 2005/36/EC and EU directive 2013/55/EU
- The Clinical Learning Environment
- Supervisors/teachers/mentors/instructors in clinic
- Competencies
- Icelandic situation
- Second degree program in nursing ... if time and interest

My assumptions

- Fundamentals in bridging the gap between practice and theory is <u>undergraduate</u>
 <u>education</u> and how undergraduate students are presented with clinical role models.
- All undergraduate students should at some time during their clinical studies learn under the guidance of nurse specialist.
- Clinical learning/teaching in undergraduate education has followed an apprenticeship model since the transition of nursing from diploma to universities and that needs to be changed.
- Nursing students' clinical hours should not be served but structured and advanced throughout their studies.
- Models of clinical learning should be developed and tested.



Regulation and quality assurance of nursing education

Each countries legislation

Bologna declaration and process 1999

EU directives 2005/36/EC and EU directive 2013/55/EU

European Association for Quality Assurance in Higher Education

European qualification framework.

EU directives 2005/36/EC and EU directive 2013/55/EU

describe the requirements for the training of general nurses, in terms of:

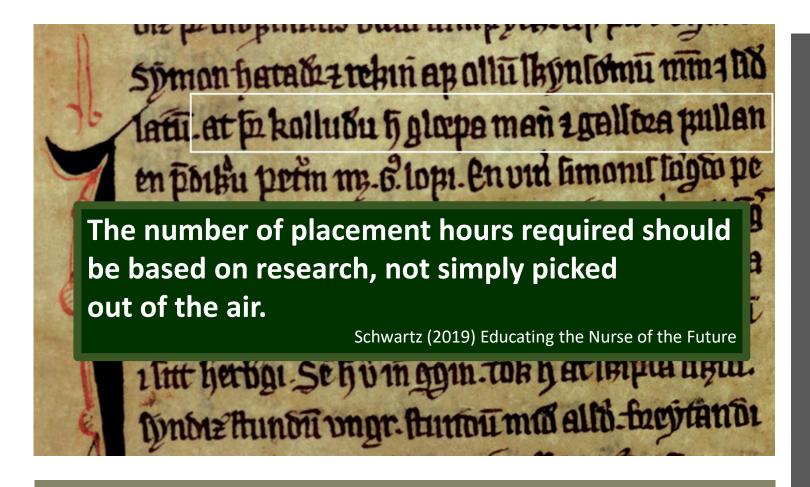
- content (in nursing sciences, basic sciences and social sciences),
- placements (mandatory place for clinical studies)
- time spent in clinical practice (duration)



Duration

....and shall consist of at <u>least 4600 hours of theoretical and</u> <u>clinical training</u> the duration of the theoretical training representing at least <u>one third</u> and the duration of the clinical training at least <u>one half</u> of the minimum duration of the training

Clinical training is that part of nurse training in which trainee nurses learn, as part of a team and **in direct contact** with a healthy or sick individual and/or community.



Duration

- It is not clarified how these duration requirements ensure quality of the clinical learning
- On what data was the number of 2300 hours decided?
- The origin of the hours date back to 1977 to Directive 77/453/EEC

Clinical education

..shall take place ...under the responsibility of nursing teachers, in isted by other

Competencies and education of nursing clinical teachers are hoever not clarified

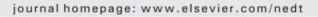
care of the patient

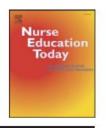
and in places
where the number of qualified staff and
equipment are appropriate for the nursing

the supervision



Nurse Education Today





Patterns of clinical mentorship in undergraduate nurse education: A comparative case analysis of eleven EU and non-EU countries*



Beata Dobrowolska ^{a,*}, Ian McGonagle ^{b,1}, Roslyn Kane ^{b,2}, Christine S. Jackson ^{b,3}, Barbara Kegl ^{c,4},

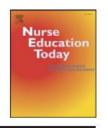
Two types of CM they found:

- A. Working at the academic level mainly focusing on introducing students to the clinical environment, and also on bridging and integrating theory and practice into a clinical reality;
- B. Working at the unit level focusing on developing competences in the clinical area.



Nurse Education Today

journal homepage: www.elsevier.com/nedt



Patterns of clinical mentorship in undergraduate nurse education: A comparative case analysis of eleven EU and non-EU countries*

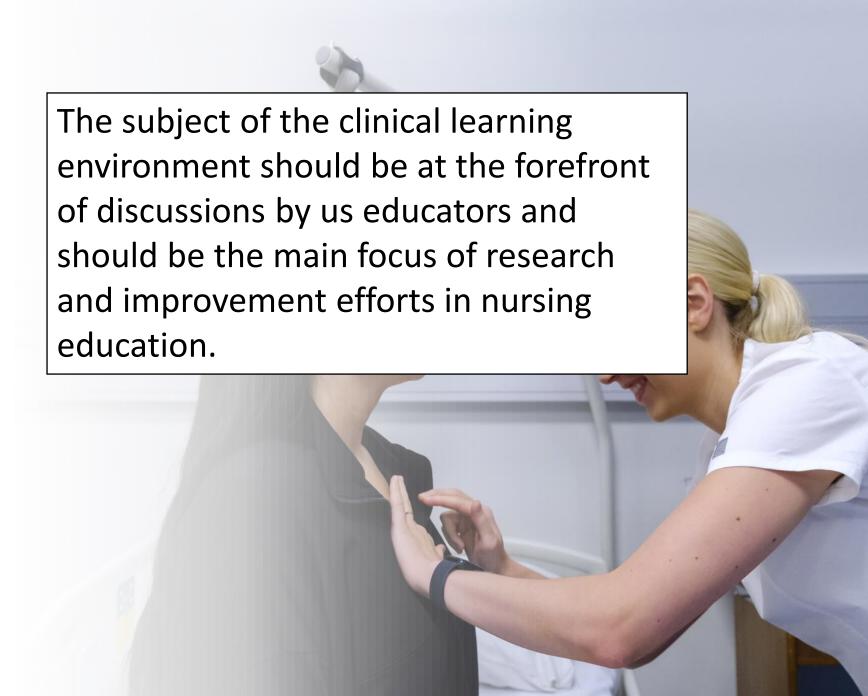


Beata Dobrowolska ^{a,*}, Ian McGonagle ^{b,1}, Roslyn Kane ^{b,2}, Christine S. Jackson ^{b,3}, Barbara Kegl ^{c,4},

Their main findings however were that the CM role is mainly carried out by registered nurses, and in most countries, there are no special requirements in terms of education and experience. Those who act as CMs at the bedside continue to manage their usual caseload, thus the role adds to their work burden.

Clinical learning environment

We can all agree that most effective learning in the clinical sciences takes place at the practice level and in communication with patients.



Lack of quality

• One student nurse ...undertook 48-h weeks throughout the summer to 'get her hours' done on time to qualify. She spoke of sitting next to a nurse's station through the small hours of the night, when the clinical area was quiet, just to have her hours signed off.

OECD: Education as economic growth

education development is an investment in economic and social development

At the time few industries

•

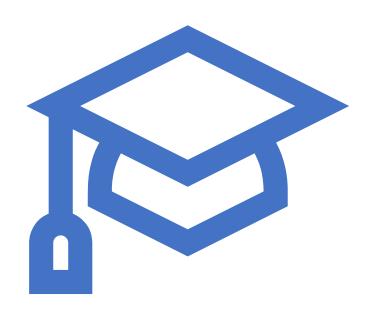
- were growing as fast as the University industry,
- were gaining as much prestige
- > affected the lives of so many people.

Education offered at Universities

Every occupation seeking to increase its prestige and income made going to college and beyond the requirements for entry into practice

BS degrees in nursing science entered universities – in Iceland in 1973.

At similar time in Europe, the bulk in the 1990s



Reform in nursing education — from diploma to University

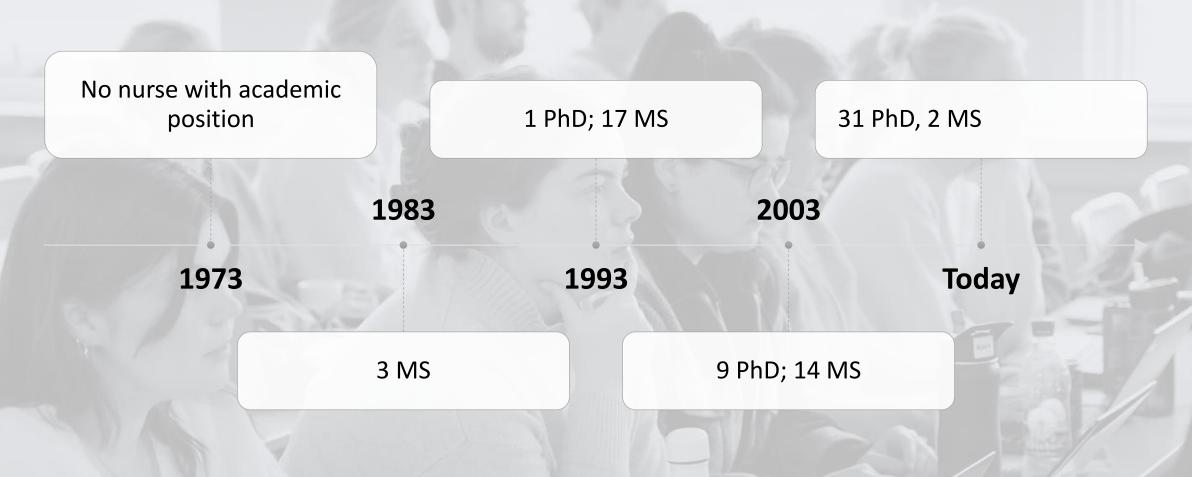
Reforms were implemented over a short period of time



Two of major difficulties were:

- nursing faculty members were not prepared for teaching and researching in higher education settings
- rethinking the content and structure of the nursing curriculum

Education of academic teachers at the University of Iceland



Threefold role of universities

- Educate and train
- Generate knowledge
- Societal responsibility

Academic environment at the University of Iceland

The main objectives at the Faculty of Nursing in the beginning were to build a quality undergraduate education and build up the faculty

During the same times politics regarding funding, outcome in terms of number of students and research; that is on what academics were spending their time underwent dramatic changes.

Models of funding subjects within universities

- research production
- research income
- influence measured in citation impact
- international collaboration
- number of students that graduate at all levels
- credit hours completed

Arrival of the subject of nursing into universities

With the relatively late arrival of nursing science into universities with regard to history of universities the nursing profession hardly experienced the times when

"enlightenment was the only mission of Universities "

and the aim of university work was

"fundamental inquiry into the unknown"





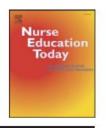




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Nurse Education Today

journal homepage: www.elsevier.com/nedt



Patterns of clinical mentorship in undergraduate nurse education: A comparative case analysis of eleven EU and non-EU countries*



Beata Dobrowolska a,*, Ian McGonagle b,1, Roslyn Kane b,2, Christine S. Jackson b,3, Barbara Kegl c,4,

Their conclusion:

Whilst it is imperative to have respect for the different national traditions in undergraduate nurse education, the globalisation of the nursing workforce and greater opportunities for student mobility during the course of their undergraduate education suggests that in areas such as clinical mentorship, jurisdictions, particularly within the EU, should work towards greater system harmonisation

Harmonisation

Unified requirements regarding the clinical mentor's

- background,
- experience,
- qualifications, especially given the importance of nursing competence that is developed during the clinical placements under the guidance of the clinical mentor.



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Development and testing of an evidence-based model of mentoring nursing students in clinical practice



Kristina Mikkonen^{a,*}, Marco Tomietto^{a,g}, Giancarlo Cicolini^b, Boris Miha Kaucic^c, Bojana Filej^c, Olga Riklikiene^d, Erika Juskauskiene^d, Flores Vizcaya-Moreno^e, Rosa M. Pérez-Cañaveras^e, Paul De Raeve^{h,f}, Maria Kääriäinen^a

 Mentorship is important for both healthcare organizations and educational systems to enhance students' clinical competences, professional growth and commitment to the nursing profession and organizational environments. We accept that 1533 hours could be enough for teaching theory – the ground for clinical learning

HOURS

 Since 1977 stating that we need 2300 hours for clinical learning

 Times have changed and the structure and hours of clinical education need to be rethouhgt Received: 15 December 2021 Revised: 2 February 2022 Accepted: 9 February 2022

DOI: 10.1111/jocn.16263

EDITORIAL

Journal of Clinical Nursing WILEY

It's broken, let's fix it—The future of UK nurse undergraduate education

"A reduction in the numbers of required hours in clinical practice is necessary to safeguard student's wellbeing. This has to be accompanied by a re-thinking of what we expect students to learn in clinical practice and how. There are precious few resources currently devoted to empowering nurses to develop and supervise students in practice. We seem to be throwing students into high pressure clinical contexts and hoping they learn by osmosis. Reducing the quantity of placement hours whilst improving their quality and more meaningfully linking practice to theory would benefit everyone."

Clinical learning

- Clinical learning must be structured
- Clinical hours cannot be just served
- Clinical learning cannot and should not be incidental – power of situational and social learning can override theoretical knowledge
- Students must demonstrate during clinical learning how they are meeting competencies of individual courses at the clinical site

The ratio between clinical and theoretical hours

A logical consequence of the emphasis (notably without any quality demands) on practical learning is that there is less time available for theory.

How are we to teach theory?

- Complexity of managing long-term conditions?
- Clinical governance?
- Managing multiple intrusive technologies?
- Managing patient safety?
- Influence of societal changes?
- All the basics that are required for patient safety?

veryone knows what nursing looks like - don't they?

It's time to take a second look at nursing

Nursing tends to be seen in terms of its care giving and clinical functions. This is how the profession presents itself and how the work of nurses is widely understood.

What is less well known is that nurses undertake a large volume of organising work. This is a relatively invisible element of the nursing role but is absolutely vital to ensure that patients receive the right care, in the right place and at the right time.

Research carried out by Davina Allen, a Professor at Cardiff University, has put the organisational components of nursing work in the spotlight for the first time.

The research is changing the way we see nursing and changing the way we see the organisation of healthcare.

The Devil lies in the detailes

- growing realisation that poor coordination is a major cause of failures in healthcare quality and safety
- the organisational components of nursing work continue to make an essential contribution to patient care.

The organization covers:

- twin challenges of delivering high quality, safe and affordable services while meeting the needs of an ageing society
- high levels of acuity, with many patients presenting with comorbidities and accumulative complexity that challenge care coordination
- specialisation, coupled with accelerated throughput,
- complicating community care arrangements

Nurses should receive formal educational preparation about their important and vital contribution to the organisation and coordination of patient care.

Upon graduations nurses should be equipped with the skills to realise their potential as providers and organisers of patient care and to lead improvements in this critical area of service provision.

FEATURE

WILEY Nursing Inquiry

Integrating preparation for care trajectory management into nurse education: Competencies and pedagogical strategies

Davina Allen¹ | Mary Ellen Purkis² | Anne Marie Rafferty³ | Aud Obstfelder⁴



Contents lists available at Science-Gate

ernational Journal of Advanced and Applied Sciences

Journal of PeriAnesthesia Nursing

journal homepage: www.jopan.org

Journal of PeriAnesthesia Nursing 37 (2022) 565-56

Contents lists available at ScienceDirect

Nurse Education Today 106 (2021) 10507

Contents lists available at ScienceDire

Nurse Education Today

journal homepage: www.elsevier.com/locate/ner

Nurses' stress, anxiety, depression, and burnout in the workplace: A Alfredo Z. Feliciano 1, Evelyn E. Feliciano 1, 8, Sharifa Al-Asiry 2, Delma Joie D. Magtubo 1, Warlito S. Reyes 1

Evangeline C. Bautista 1, Bianca Margarita T. Santiango 1, Rochelle G. Gumabor

¹College of Nursing and Graduate Studies, Angeles University Foundation, Angeles, Philippine. ²Department of Nursing, College of Applied Medical Sciences, Majmaah University, Al Majmaah, Saudi Arabia

ARTICLE INFO

Article history Received 23 March 2022 Received in revised form 13 June 2022 Accepted 14 June 2022

Depression Nursing staff

Nursing burnout has been linked to stress, anxiety, and depre stress and anxiety have been closely related to burnout. goal has been to determine the association of these variable nursing practice. This descriptive correlational study air the relationship between stress, anxiety, and depression the 307 purposive nurse samples from participating go hospitals in Manila, Pampanga, and Tarlac, Philipp' March and June 2020 using a 21-item Depression Ar 21) and a 16-item Oldenburg Burnout Inventory (with a normal level of stress, anxiety, and depre also found to have a moderate level of overall b disengaged, and exhausted. Using IBM SPSS v. product-moment correlation which found the relationships (p=.000) with burnout, disenga to burnout, disengagement, and exhaustic disengagement, and exhaustion. The degre has significantly shown direct corresp

ge Creating Patient Safety Concerns

grin Falls, OH

N York Times article highlighted what many nurses hcare providers already know. Nurse staffing shortages atients in danger. In the article, a nurse presented what aced on arrival into her job one day as ambulances were inload patients: the emergency room was over-crowded in nurse described resembled to her as a 'war zone,' At this place of employment they were unable to open thirty percent eds because of nurse vacancies. One hospital has had to cut elective surgeries 10%-15% and have been delaying some inpa-¿ surgeries if there are no open beds. Additionally, since there are shortage of electrocardiogram (EKG) and radiological technicians, ours have been shortened in interventional radiology. Patient care is being delayed.2 Unfortunately, these stories are not isolated. One sur-

organizational knowledge, info their intellectual capital to the left during this period were or effects on the work plac old, much of this car

of university nursing students burnout at the time of the pandemic: A cross-sectional study

einsdóttir ^{a, b, *}, Birna Guðrún Flygenring ^a, Margrét Hrönn Svavarsdóttir ^c cheving Thorsteinsson d, a, Gísli Kort Kristófersson C, Jóhanna Bernharðsdóttir a

ABSTRACT

ty of Iceland, School of Health Sciences, Faculty of Nursing, Eirberg, Eirkagata 34, IS-101 Reykjavík, Iceland itali University Hospital, Division of Surgical Services, Hringbraut, IS-101 Reykjavík, Iceland szity of Akureyri, School of Health Sciences, Sólborg, Norðurslóð 2, 600 Akureyri, Iceland dapitali University Hospital, Division of Education, Hringbraut, IS-101 Reykjavík, Iceland ndspitali University Hospital, Office of the Director of Nursing, Hringbraut, IS-101 Reykjavík, Iceland

ARTICLE INFO

Background: Little is known about the stress and burnout experien students during the COVID-19 pandemic. Academic burnout am students' learning ability, health, and wellbeing and on the quali

/ Shortage ¿ Program Administrators

ID, RN; Seldomridge, Lisa PhD, RN, CNE; Reid, Tina P. EdD, RN, CNE; Willey, Jeffrey PhD, RN, CNS, CLNC, CNE

May/June 2022 - Volume 47 - Issue 3 - p 151-155

DC

Abstract

Background:

The nurse faculty shortage has impacted current and future nursing workforce needs and health outcomes. What has not been expansively reported is the perspective of nursing program administrators as they grapple with the nurse fearly charters and its offeet in their schools.

Conflict between theory and practice

 Experience conflict or tension between the philosophy of nursing as they have learned it and the actual work of nursing.

What is at stake in this conflict?

Nursing

CONTENT NOT FOR REUS

y Shortage: It's Time to Find



y work, and teaching. Throughout the pan-

021, nurses, including nurse faculty, were hailed as d underpaid and are leaving the profession, contribhortage if we continue to have a shortage of well-qualified

ing (AACN), we know there is a 6.5 percent faculty vacancy rate, about 1,492 open positions (AACN, 2021). This has contributed 2025, the shortage will most likely become worse before it improves (National Advisory Council for Nursing Education and Practice, 2021). A recent survey (AACN, 2021) cites some of the same reasons for of our practice partners, high faculty workload, unfamiliarity with the

A disappoints me to say that we are education and the key to improving the nursing shortage. Because of the faculty shortage, nursing programs across the country continue and dramatically changed the face of to turn away highly qualified candidates who are able and willing to become nurses, yet limited funding to support nursing faculty educa-

tion and salaries remains an ongoing issue We can cite the many reasons why nurses are leaving facult us to identify and disseminate the evidence about what motivate nurses to become faculty and what inspires us to stay. The faculty role is challenging; however, it brings with it the opportunity to influence the future of nursing education, health care, and clinical outcomes strates the influence of nurse faculty on the nursing shortage and eady critical nursing shortage. Nurse faculty, as well. more importantly, the subsequent effect of this on health outcomes I to educate and graduate more nurses to influence the studies that identify the motivators for nurses who want to assume a nursing faculty role, what leads to retention and recruitment for these critical roles, and the influence that nursing faculty have in in proving the nursing shortage

the perfect place to disseminate the findings of single-site and feasibil

those who fund the education of nurse scholars search throughout the pandemic. Hook forward to your submissions the shortfall as in earlier years. Salaries that fall at less than 75 percent and the evidence you provide on the importance of nurse faculty in alleviating the nursing shortage. We must now, more than ever, help the

Hindrances in the clinical learning environment

- Overload of students from different studies
- Lack of structure
- Understaffing at the unit coupled with high clinical workloads,
- Stressful organizational and/or working conditions,
- Lack of learning time with seniors
- Lack of learning opportunities
- Lack of qualified teachers
- Lack of time and support for clinical teachers
- Lack of definition of what qualified instructor entailes
- Cognitive overload
- Limited time to reflect and discuss,
- Constraints on physical space.





Teaching clinical competence

Bologna declaration and process

- The emphasis on education changed from being teachers oriented to student oriented: on what is learned instead of what is taught.
- Nursing education is structured around competencies
- The Nordic countries base their competencies on the EU directives, the European qualification framework and their own national recommendations



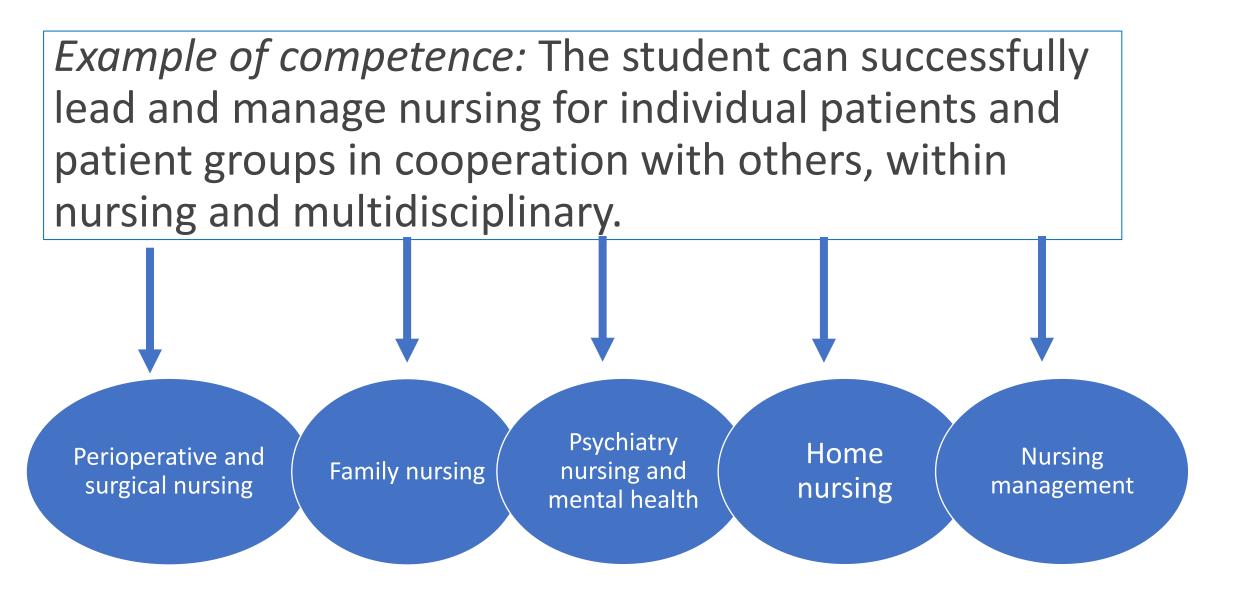
Competencies

Evaluating clinical competency is becoming a central issue in nursing education.

There is a gap in the literature between actual clinical competencies students have when they graduate with theoretical knowledge and how it is applied in daily patient care

Definition of competence: Functional adequacy and capacity to integrate knowledge and skills to attitudes and values into specific contextual situations of practice (Flinkman et al 2017)

Evaluating clinical competence in different settings



Each clinical teacher must know the competencies students are to meet in the specific course and how the students demonstrate their knowledge

Creating a successful collaboration between academia and practice is fundamental for effective clinical learning of students





"Professional councils of nursing are formed around the specialties of nursing and midwifery at LUH. They are a forum for professional discussion and a forum for cooperation between Landspitali and the University of Iceland's Faculty of Nursing. Professional councils work according to the vision and policy of nursing at Landspítali, the policy of Landspitali, the policy of the University of Iceland and the University of Iceland's Faculty of Nursing"





One of the roles of the council is to formulate a strategy for services, quality work, research, teaching, learning and professional development within the specialties of nursing and midwifery.

There are presently 13 councils operating and 11 professors having combined positions at the university and hospital



Organization of clinical education at the Uol

Combine:

- The knowledge of Faculty on competencies of each course, the whole curriculum, how to assess students, how to handle difficult situations and on theory in general
- The clinical knowledge and expertice of staff nurses

Organization of clinical education at the UoI: Role of clinical teachers

Faculty of nursing:

 responsibility and organisation of the clinical teaching, competencies, length of study period, clinical assignments and the overall quality of the education. Hold a PhD degeree

Clinical instructors:

- work in the clinic but are also reimbursed by the university and collaborate with the faculty in developing clinical learning/teaching/assignments.
- almost all are clinical nurse specialists and all CI hold a MS degree.
- responsible for the clinical experience to be coordinated according to clinical competencies of clinical courses.
- gives students feedback on clinical work, engages in clinical reasoning, encourages independence and fosters critical thinking based on evidence; is responsible for clinical seminars and supervises the students with assignments related to their clinical learning and evaluates them.
- Mees with student in the clinic once or twice a week

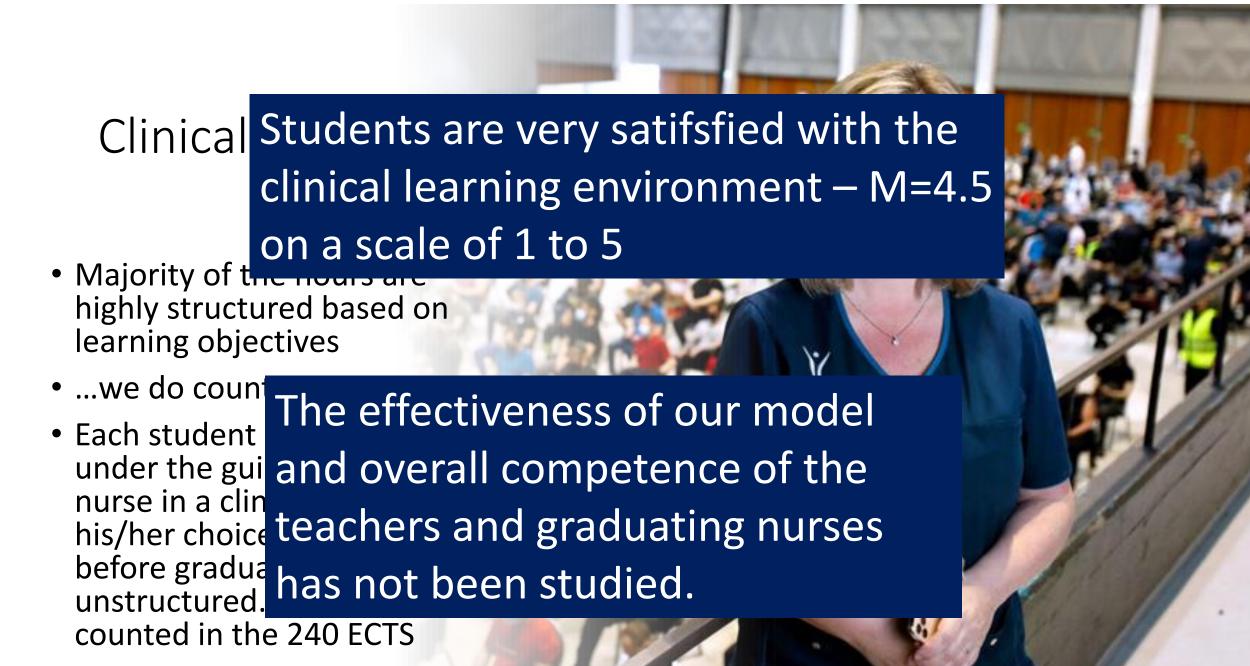
Clinical Preceptors:

- work in the clinical area, **hold a BS degree**, have a minimum of two years of clinical experience.
- supervise and plan daily the basic clinical skills trained according to the clinical competencies of each course and make full use of the learning opportunities of the clinical situation with the student.

Clinical Nurse Specialist in Iceland (act 512/2013)

- Issued by the Directorate of health
- Holds a MS or a PhD degree in the speciality
- Must have worked in nursing <u>under the</u> <u>guidance of an expert</u> in nursing after completing the MS or PhD degree for at least two years of full-time work in the field of expertise covered by her/his application for a specialist license.







Contents lists available at ScienceDirect

International Journal of Nursing Studies

journal homepage: www.elsevier.com/locate/ns



The use of practice education facilitators to strengthen the clinical learning environment for nursing students: A realist review



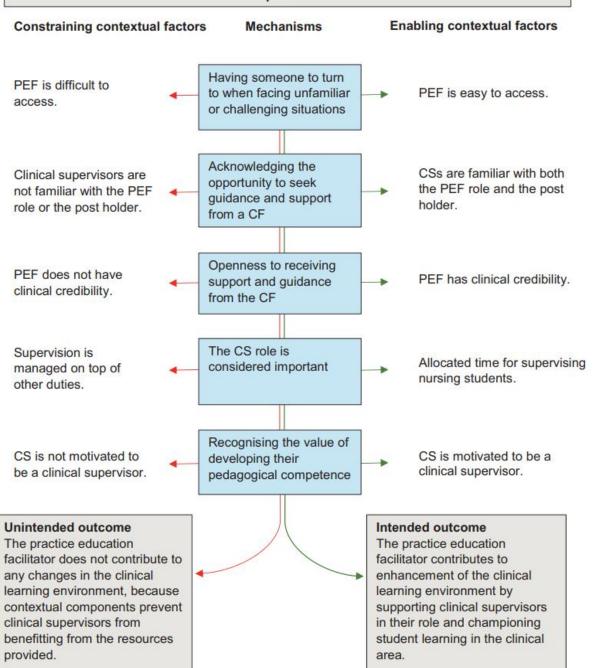
Cathrine Mathisen ^{a,*}, Lena Günterberg Heyn ^a, Turid-Iren Jacobsen ^a, Ida Torunn Bjørk ^b, Elisabeth Holm Hansen ^a

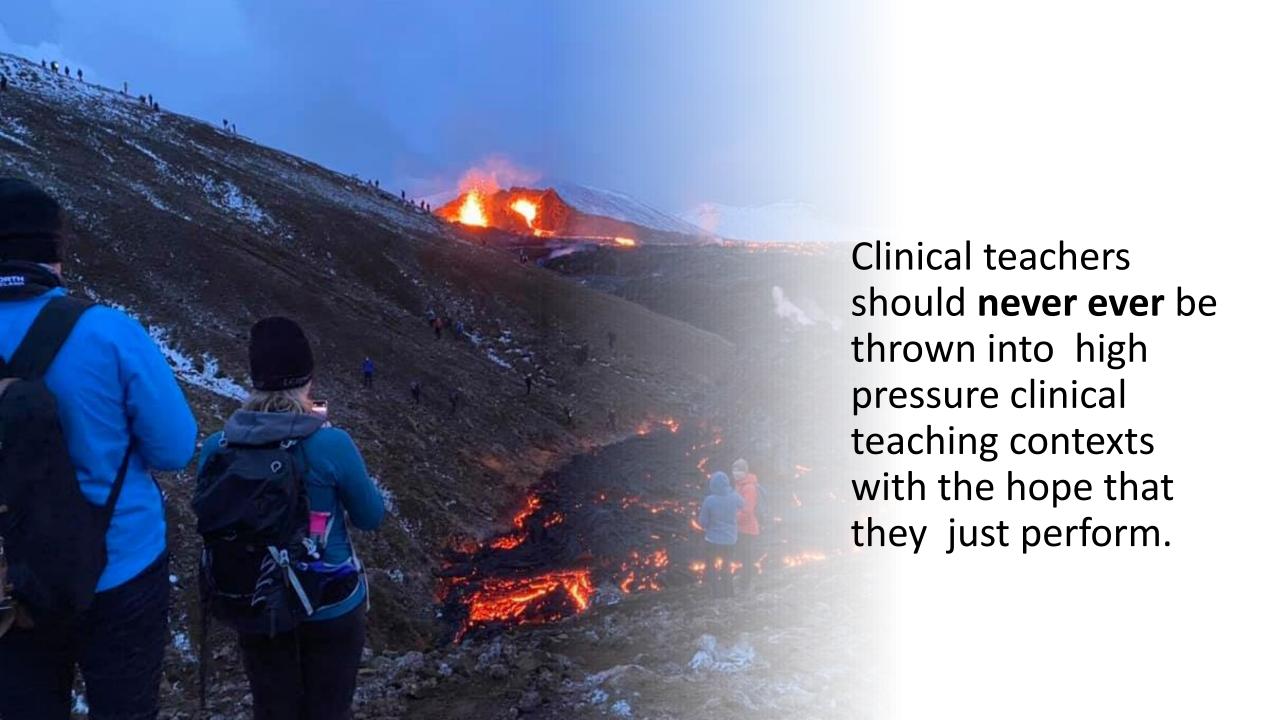
 A practice education facilitator provides guidance and support to both nursing students and clinical supervisors within the clinical setting and acts as a liaison between the higher education institution and the clinical placement sites – this review addressed support to CS

^a Faculty of Health and Social Sciences, Department of Nursing and Health Sciences, University of South-Eastern Norway, Drammen, Norway

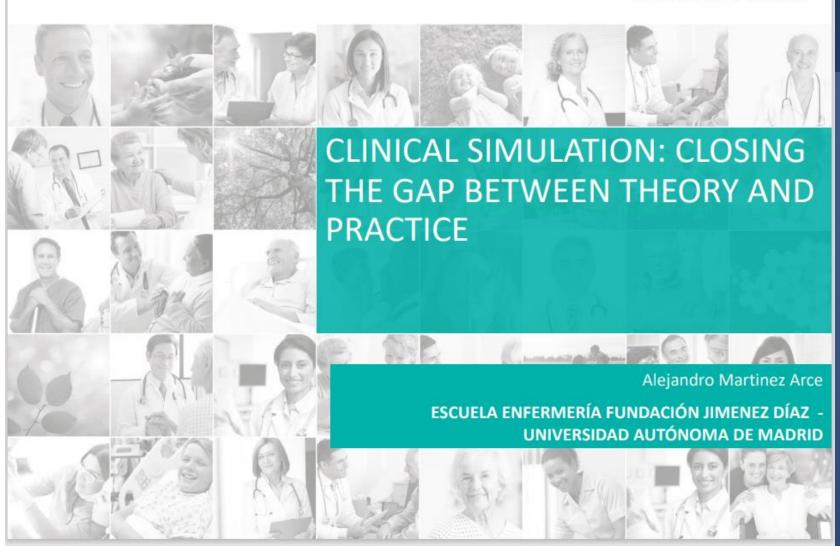
b Faculty of Medicine, Institute of Health and Society, Department of Nursing Science, University of Oslo, Oslo, Norway

The practice education facilitator provides ongoing support and guidance for clinical supervisors









Simulation based

- supports students' learning and has been reported to increase students' confidence, learning satisfaction, knowledge and skills, and critical thinking
- high-fidelity and standardized patient simulation-based experiences

Based on these findings a part of the hours in the directive could nurs and should be replaced by high-fidelity simulation.

support the value of simulation in bridging theory and practice and in developing students' knowledge and skills

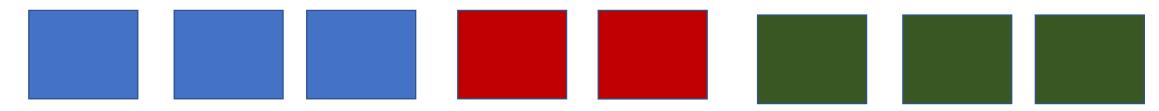
ces

 further longitudinal research is needed to explore the longer-term processes by which learning transfer and integration occur, as well as the resulting impact on clinical practice and population health outcomes

(Foronda et al., 2013; Hayden, et al., 2014; Hussein & Cunvannon, 2022; Lapkin et al., 2010; Lei et al., 2022)

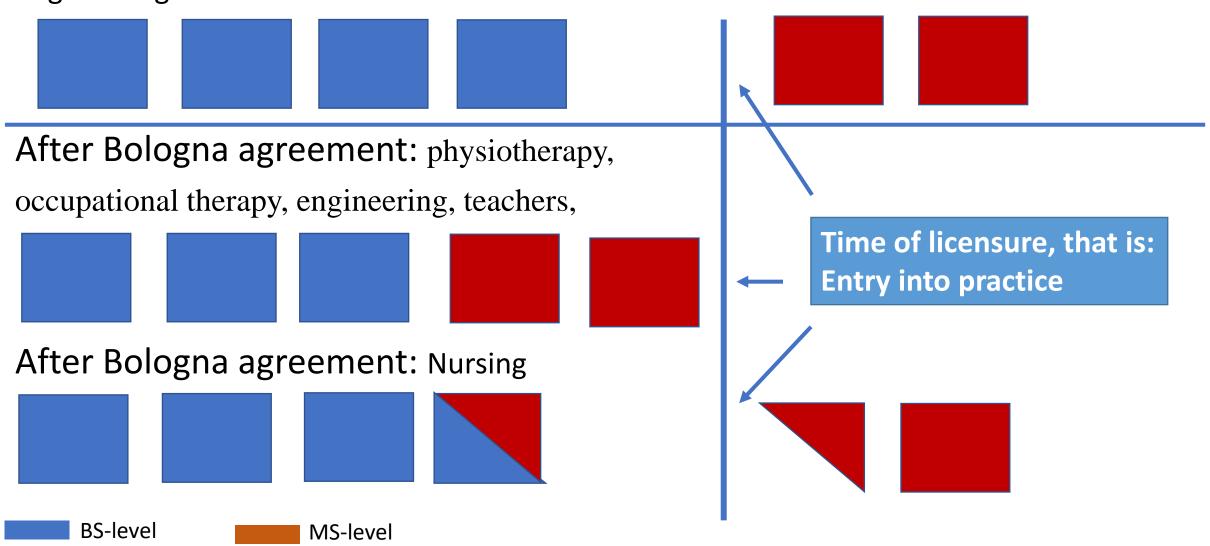
The three cycles of higher education – BS, MS and PhD





The Icelandic Situation: Food for thought

Before Bologna agreement: nursing, physiotherapy, occupational therapy, engineering



To think about

It is our charge as university teachers to support the nursing profession and in collaboration find the best ways to practice nursing in our own environment.

Better educated nurses have a positive effect on nursing practice and quality of patient care



To think about

Nursing must use science to study and adapt new methods of teaching and learning

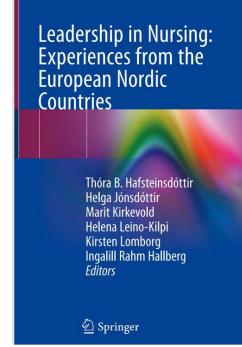
Different methods should be applied to different topics of teaching and this should be studied and evaluated



To think about

"Research focusing on teaching methods in nursing is notably scarce"

Salminen et al. p. 101



Actions

- Shorten and structure the clinical hours
- Make 2300 theoretical hours in teaching mandatory
- Make simulation mandatory with well developed case scenarios
- Develop standard courses for clinical supervisors could be on line –
 make them mandatory develop academy of clinical teaching

High priority areas in nursing education studies.

- 1. Develop and study different models of clinical learning/teaching
- 2. Studying outcome of nursing education by evaluating the competencies of graduates
- 3. Studying competencies of clinical preceptors and teachers in nursing
- 4. Studying teaching methods that suit different areas in nursing education e.g. anatomy vs ethical situations vs clinical nursing
- 5. Studying simulation

Thank you for listening



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Nursing for Non-Nursing Graduates programme

- A baccalaureate degree with a grade 6.5 or higher is required to enrol in the Nursing for Non-Nursing Graduates programme.
- Applicants must have completed 8 credits in methodology/statistics, 6 credits in sociology or psychology subjects and 26 credits in biological subjects, as further determined by the faculty. A total of 40 ECTS
- 20 ECTS are granted based on thesis from the former study and as electives
- 180 ECTS taught in 6 semesters two years.