Experienced career perspectives of nursing students and their supervisors in learning departments: A qualitative study

Auteur	A.C.P Boskma (6219551)
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Cursus docent	Dr. J. van Dijk
Begeleiders	MSc F.W Wolthuis
	Dr. P.D.D.M Roelofs
	Prof. Dr. E.J Finnema
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Abstract

Background: Focus is needed on positive work environments and the retention of nurses due

to the nursing shortage. Sufficient and attractive internships for students need to be ensured.

In order to provide more space learning departments were developed, which are characterized

by a buddy system, supervisors coach at least two students during a shift. Gaining knowledge

about career perspectives is essential since it is associated with job satisfaction. Improving job

satisfaction and career opportunities will contribute to quality and safety of care and will support

lifelong learning.

Aim: Current study aimed to investigate how nurses and nursing students working in learning

departments experience requirements for career opportunities.

Method: Using a generic qualitative approach, semi-structured interviews were conducted

through videocalls between March and April 2021 in the Netherlands. Inductive qualitative

analysis based on 'The Data Analysis Spiral' was used.

Results: Career perspective is explored among six students and seven nurses. Results show

career perspective is experienced differently. For students, requirements to experience career

perspective seems largely existing, as learning departments fits with personal goals, increases

self-efficacy and provides close mentoring. Students felt well prepared for the future. Nurses'

career perspectives varied from wanting more personal development to experiencing

opportunities due to having great colleagues, a challenging patient category, satisfaction from

sharing knowledge and a decreasing physical workload. Nurses who had affinity with coaching

students experience more career perspective on learning departments.

Conclusion: Interviews provided in-depth insights within five themes. Requirements to

experience career perspective seems partially existing for nurses and students in learning

departments.

Implications: The results can be used by nursing supervisors, teachers and policymakers to

optimize nurses' work environment, to eliminate leave intentions and improve quality of

patientcare. Future research is recommended to investigate which tools/interventions are

effective for nurses and other healthcare professionals to support career guidance.

Keywords: learning department, career perspective, nurses, nursing students

A.C.P. Boskma 6219551

Samenvatting

Achtergrond: Het is van groot belang te focussen op gezond leer- en werkklimaat en op het

behoud van verpleegkundigen gezien de tekorten. Voldoende aantrekkelijke stages voor

studenten zijn essentieel. Om meer opleidingsplekken te creëren zijn leerafdelingen

ontwikkeld. Deze worden gekenmerkt door een buddy-systeem waarbij elke verpleegkundige

twee studenten begeleidt tijdens een dienst. Kennis ontwikkelen over loopbaanperspectieven

is noodzakelijk gezien loopbaanperspectief geassocieerd wordt met werkplezier. Het

verbeteren van werkplezier en carrièremogelijkheden zal bijdragen aan de kwaliteit en

veiligheid van zorg en zal een leven lang leren stimuleren.

Doelstelling: Verkennen hoe verpleegkundigen en verpleegkunde studenten de voorwaarde

voor carrièrekansen ervaren op leerafdelingen.

Methode: Met behulp van een kwalitatief studiedesign zijn tussen maart en april 2021 in

Nederland semi-gestructureerde interviews afgenomen via videogesprekken. Op basis van

'the data analysis spiral' is data inductief geanalyseerd.

Resultaten: Perspectief van zes studenten en zeven verpleegkundigen is onderzocht.

Resultaten laten zien dat loopbaanperspectief anders wordt ervaren. Voor studenten lijken de

voorwaarden om carrièreperspectief te ervaren grotendeels aanwezig, aangezien

leerafdelingen aansluiten bij persoonlijke doelen, de zelfredzaamheid vergroot en nauwe

begeleiding biedt. Studenten voelen zich voorbereid op de toekomst. De perspectieven van

verpleegkundigen variëren van het hebben van meer wens voor persoonlijke ontwikkeling, tot

het ervaren van kansen door prettige collega's, een uitdagende patiëntencategorie,

tevredenheid door het delen van kennis en het verminderen van fysieke belasting.

Verpleegkundigen die graag met studenten werken, ervaren meer loopbaanperspectief.

Conclusie: Interviews leverden diepgaande inzichten op binnen vijf thema's. Voorwaarden

om carrièreperspectief te ervaren lijken gedeeltelijk aanwezig voor studenten en

verpleegkundigen op leerafdelingen.

Aanbevelingen: De resultaten kunnen worden gebruikt door bijvoorbeeld werkbegeleiders,

praktijkopleiders, docenten, leidinggevenden en beleidsmakers om de werkomgeving van

verpleegkundigen te optimaliseren, behoud van verpleegkundigen te stimuleren en de kwaliteit

van patiëntenzorg te verbeteren. Toekomstig onderzoek zou moeten gaan over effectieve tools

/ interventies voor loopbaanbegeleiding voor verpleegkundigen en andere zorgprofessionals.

Trefwoorden: leerafdeling, loopbaanperspectief, verpleegkundigen, verpleegkundestudenten

A.C.P. Boskma 6219551

Introduction

A worldwide shortage of qualified nurses^{1,2} endangers healthcare³. Prolonged nurse shortages and high turnover increase nurse workload and place undue pressure on existing staff⁴. In 2025 125.000 extra nurses will be needed within Dutch healthcare⁵. Causes of nurses leaving are increasing complexity of healthcare due to the ageing population, insufficient numbers of nursing students, poor work environments and the physical and mental stress of the job¹. In a situation where more nurses leave, rather than enter the profession, a nursing shortage arises⁶.

Intention to leave is significantly associated with job satisfaction, work environment, quality, safety, staffing and tasks¹. Another influencing aspect is the opportunity for career advancement (professional development and learning potential) for nurses¹, since experiencing career opportunities was shown to be a significant predictor of job satisfaction in various studies⁷. First, a cross-sectional study among 1538 registered nurses (RN's) in New York showed that promotional opportunities and career orientation proved significant determining factors for job satisfaction⁸. Likewise, a cross-sectional study among 87 nurses from Washington showed the intent to leave and lack of job satisfaction appeared to be driven mainly by lack of opportunities for career growth and development, lack of extra remuneration for nurses who acquire additional degrees and certification, and lack of extra help during periods of high acuity³.

Above, the career opportunities are described as an element focusing and influencing nurses' retentions. Within the context of this study, the Netherlands, the Dutch government developed an action plan focusing on nursing student too^{9,10}. Sufficient internships and inspiring education should increase the number of students to address the nursing shortage in the end^{9,10}. Learning departments were developed based on factors for successful internship and best practice examples¹¹. Calibris stated that learning departments are successful¹⁰. Pupils, supervisors and patients were enthusiastic and optimistic about the quality of these internships¹⁰. An University Medical Center (UMC) in the Netherlands designed their 'best practice example' learning department¹¹. This learning department is mainly characterized by their manner of guidance, as one nursing supervisor who coaches at least two students during a shift¹¹.

Learning departments have a variety of nurses (e.g. senior nurses, in Dutch regieverpleegkundige), nursing students (e.g. with various education levels and years of experience)¹¹ and practical trainers. Practical trainers have a nursing background and are a contact point for students, they help students but not coach in direct patient care.

Currently, evaluation and a format description for this specific set-up are developed to anticipate on future-proof nursing care in a healthy learning and working environment¹².

Specifically, the aim of the format description is transferability of a best practice example¹². The current study is part of a bigger research project investigating work environment and job satisfaction.

Thus, improving career perspective is essential because high job satisfaction is associated with high-quality patientcare¹. It potentially improves patients' perceptions of care quality and ensures an adequate nursing workforce⁷. Moreover, lifelong learning is increasingly seen as a precondition for sustainable employability^{13,14}. Focusing on students is just as important because 10% of recent graduated nurses leave the profession within one year¹⁵. Therefore it is essential to ensure sufficient attractive internships and focus on retention of recent graduates.

The current study explores the experienced career perspectives as part of a positive work environment within learning departments. In particular, we focus on career opportunities, because this is associated with quality and safety of patient care and intention to leave^{1,7,16}. The relationships and predictors of career opportunities contribute to a more comprehensive understanding, which in turn may support the development of effective strategies to address the nursing shortage and increase patient care quality¹⁷.

Aim

The current study aimed to investigate how RN's and nursing students working in learning departments experience the requirements for career opportunities.

Methods

Design. The study was generic qualitative in approach and descriptive in design to understand experiences from RN's and student nurses' point of view. Due to the explorative nature of the study aim, the choice for qualitative was appropriate¹⁸. A qualitative design is well-suited to explore participants' experiences and offers the opportunity for participants to describe career perspectives and express their views in their own words¹⁸.

Population. The population consisted of nursing students and RN's in three learning departments of one UMC in the Netherlands. The specialisms of the wards were cardiothoracic surgery, lung disease and rehabilitation. Participants were eligible when they were: (a)a RN working as supervisor in a learning department; (b)a student with experience in a learning department; (c)spoke Dutch. To encounter rich information the sampling strategy was purposive¹⁹. Participants were selected with a maximum variation on (a)years of work experience; (b)age^{20–24}; (c)gender^{20,22} (d)hours work per week^{21,22}; (e)wards with different healthcare specialism²⁰; (f)school institutes²²; and (g)educational levels^{20–24} because these

factors are associated with career opportunities^{20–24}. Maximum variation was applied to get access to perspectives from different nursing students and RN's¹⁹, and enhance the credibility of the data²⁵.

Current study focused on valuable and high-quality data to achieve data saturation. The aim was to recruit a minimum of twelve participants, since reaching saturation with this sample size seemed feasible²⁶. Students had to have completed their internship in a learning department in order to provide rich data. Additionally, students who interned more than two years ago and RN's who worked in learning departments more than two years ago were not approached to avoid recall bias. Ten intermediate vocational education students, eighteen bachelor students and three nursing teams (approximately 120 nurses) were approached. Reasons for declining participation are unknown.

Procedures. Students' contact details were collected from the internship office. Information, informed consent and an invitation to participate were sent by email. Two reminders were sent.

RN's were recruited via the project leader of the learning departments and practical trainers. Additionally, the researcher visited two wards to introduce herself, provide study information and distribute posters. Due to a COVID-19 breakout on one ward introductory appointments were cancelled.

Recruitment took place from December 2020 till March 2021. Videocalls were scheduled at the time most convenient for participants. The researcher was accessible by email for questions and comments. A pilot interview was conducted to practice and test the interview guide, hereafter the sequence of questions was adjusted. This interview was included to the analysis, as no substantive adaptions were made. Piloting the interview guide resulted in getting more used to the data and become more confident¹⁹.

Additionally, the first author is a nurse with intrinsic motivations in the topic of the current study due to her own experiences and career choices. Being recognizable to participants can offers rapport and familiarity, but can also lead to colored perspectives. The first author was aware of this and interviewed with an open, curious view. Furthermore, during interviews the second author was present. She was a good sparring partner to discuss interpretations since she specializes in educational science.

Data collection. Semi-structured interviews were conducted between March and April 2021 by the first and second author. Due to COVID-19, interviews took place through videocalls (Microsoft Teams). Videocalls seems a proper alternative since differences in quality are sufficiently modest compared to face-to face interviews^{27–31}. Participants called in from home or work. An interview guide was used to ensure similar types of data from all informants was

collected¹⁹. Themes covered the following areas: self-efficacy^{32–34,39}, skills and competences^{20,35}, match personal goals^{36,39}, job satisfaction^{1,39}, work environment^{1,37}, intention to leave the hospital and the profession³⁸, mentoring^{34,35,39,37}, and funding and release time³³.

Data analysis. Inductive qualitative analysis based on 'The Data Analysis Spiral' ^{18,26} was used. Using Atlas.ti 8.4.25.0 (Scientific Software Development GmbH, Germany) transcripts were separated in meaningful segments related to the eight themes and labeled with codes. Transcripts were coded independently by the second author and an external researcher, thereafter labels were discussed to reach consensus. Provisional outcomes were discussed within the research group, assumptions were formulated and the interview guide was amended. After open coding, fragments and codes were merged into sub categories and five main categories.

A back-and-forth movement between interviewing and analyzing was conducted to compare new insights and test insights in new rounds of data collection^{19,40}. Expectations and interim hypothesis were checked during interviews and the attainment of saturation could be made unadulterated^{19,40}. Additionally, theoretical sensitivity was reached by having knowledge about the subject and being aware of important concepts or issues that arose from the data¹⁹.

An audit trial and memos were used to write down and link thoughts and methodological choices¹⁸. After analyzes member checking was performed. Results were sent to students and RN's by e-mail. Written feedback was asked from participants to confirm assumptions.

Ethics. Participation was voluntary and participants could decide to withdraw at any time. Informed consent was signed digital (two copies).

The study was conducted according to the principles of the Declaration of Helsinki (latest version WMA General Assembly 2013) and in accordance with the Medical Research Involving Human Subject Act (WMO)⁴¹. A non-WMO statement was requested from the Medical Ethics Research Committee of the UMC Groningen for the entire project (File number: 202000768). Additionally, the study was conducted according to the principles of General Data Protection Regulation(AVG)⁴².

Results

Participants. Participants are shown in table 1. Six nursing students and seven RN's were interviewed. For unknown reasons, one student dropped out and seven did not respond. Students' mean age was 22,2 years (20-24), and RN's mean age was 39,7 years (23-62). Within the sample, variation was achieved on education levels, ward specialism and years of work experiences. Interviews lasted between 47 and 61 minutes (mean 54 minutes) and were

recorded and transcribed verbatim. Five main themes were generated for both nurses and students; (1) personal goals; (2) skills and self-efficacy; (3) mentoring; (4) job satisfaction; and (5) career perspectives. Within the five main themes, subcategories were developed from 198 codes related to career opportunities (Figure 1&2). Saturation was achieved after 13 interviews, since new codes were no longer needed and formulated assumptions were

confirmed. Although, this study was not aiming investigating differences between students and

nurses, they emerged from analysis. Therefore, main themes will be further explored first for

students and secondly for nurses in the following sections.

Students

Personal goals

All students mentioned a learning goal-oriented environment when describing learning departments, since personal goals were considered and ample space was given. At the start of each shift, students make their learning goals for the shift known to their supervisors and fellow students. Reflection on learning goals generally takes places at the end of the shift. All

students indicated this structure gives them insight into their own progress.

'You're very consciously working every day, you think about what will become my learning goal today, because you've to indicate what you want to learn that day. I think on a regular department you don't do that so much, you think today I'll just take care of patients and see

what happens' – Bachelor student

Skills and self-efficacy

Many students indicated learning departments contributed to becoming more skilled in working independently and collaborating with fellow students. Being more competent in arguing care, assertiveness and leadership were also skills that students perceived as contributing to the career. All students felt learning departments contributed to gaining confidence in their competence.

'I feel that I learned a lot, this gives you more self-confidence'

- Bachelor student

'I found the buddy system, where you work with a felow student, a very positive part of the learning department. You learn how to work with your colleagues, similar to how you'll do it later, discussing together and getting responsibility before going to your supervisor. You try

to solve the problem instead of asking for help right away' - Vocational education student

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Mentoring

Several students experienced support of fellow students, supervisors and practical trainers. Coaching was experienced as involved, safe, trusted, open and honest. Some students described their mentoring as encouraging and stimulating which was stressful on the one hand, but provides a high learning return on the other hand. Mentoring was directed at becoming proficient in professional aspects, by observing, discussing the work, practicing, getting explanations and having actions checked/tested. A fixed training structure on the learning departments exists, which is similar for every student and was therefore perceived as not very personal but also as offering convenience and handles. According to students, career quidance was minimal. A few students indicated nurse supervisors were a role model or source of information. However, students also reported barely any conversations about career opportunities occurred. For example, some students said they were asked about future steps by supervisors but this was not a major subject within their interactions. Various students spoke of learning from fellow students by sharing knowledge and experiences. Students talking about career opportunities occasionally happed. As such, mentoring was mainly targeted on becoming competent in professional aspects, rather than focused on career counseling. Most students experienced mentoring positively which could influence the willingness to stay in the profession and hospital.

'I don't feel we worked on my career options in the way of talking about you can do that or what do you want after this' – Bachelor student

Job satisfaction

Most of the students experienced a welcoming environment. Collaboration in the learning department meant students challenge each other with questions and kept each other sharp. A reported downside of the high number of students on learning departments was that when patients arrived with interesting or complex care needs students had to share or 'fight for' the learning opportunities. Central to much of the students' interviews was job satisfaction, resulting in them wanting to do this work later. They were happy with the internship placement.

Career perspective

Students felt learning departments provided insight in future intentions. All students stated working on learning departments resulted in a realistic idea of working as a nurse. Additionally, seeing different wards and specialisms could be helpful. Career opportunities are broad, but not always clear for students. Taking new career steps is especially relevant for students as for many, applying for jobs would be a logical next step after their (upcoming) graduation.

Nurses

Personal goals

Nurses experienced learning departments as fitting their personal goals for the moment. Some nurses reported to expect to reach the developmental ceiling on learning departments after some time and were thinking about future-goals on other wards. Overall, learning departments are mostly set-up for educating student nurses. As such, students' developmental goals play a bigger role on learning departments.

Skills and self-efficacy

Nurses described learning to coach and learning to give and receive feedback as contributing elements to their further career. Various nurses reported mentoring students contributed to their competence in arguing care. A few nurses experienced having less grip on patientcare because students provided this care. However, a majority of the nurses indicates that student questions ensures critical attitudes, a sharp eye and awareness of their actions.

'They really just ask you why are you doing it like that and then you think, well, why? Then, you start thinking because, if you've been working for a long time you sometimes just act automatically, but they prevent you from that, because they keep you sharp' – Inservice educated nurse

Mentoring

Nurses explained career counseling was mainly organized during annual appraisals with senior nurses and/or head nurses. Counseling was experienced differently per ward. Some nurses experienced commitment and initiative from both sides (nurses and senior nurses/head nurses), others experienced the initiative had to come from themselves. Likewise, trust, safety and involvement within the team was experienced differently. Several nurses reported being satisfied, others described missing appreciation and support. Future plans and purposes are a part of their evaluation. When more or other opportunities were desirable, there was room for nurses to indicate this themselves.

'The head nurse plans the annual appraisal, so you don't have to think about that yourself.

But if you want to have another conversation about your own development, that you've certain ideas about what I'd like to do that or that training, you can always discuss that with her. She's always open to that' – Inservice educated nurse

Job satisfaction

For many nurses the challenging nature of the work and their colleagues were arguments to stay. Patient category was central for experiencing challenge in work and career perspective on the ward. Sharing knowledge and experiences with students resulted in satisfaction. Likewise, for some nurses, affinity with mentoring students was influential on their job satisfaction and staying in learning departments. Most nurses said they liked students' fresh perspective. The ability to alternate between coaching students and direct patientcare appears relevant. Otherwise, less pleasure in work was indicated due to less patient contact. For nurses with physical complaints career perspectives can increase. The further the students' internships progressed, the lower the physical workload seemed for nurses. Some nurses do not experience a reduction in workload, partly due to psychological burden of coordinating care and assessing school assignments.

I'd like to keep alternating between shifts per week on the learning department and not, so that you also continue to develop yourself – Vocational educated nurse

Career perspective

Nurses' insight in opportunities varied. Insight is obtained by seeing other wards and specialisms, due to own efforts, conversations with colleagues and the hospital website. Career opportunities are felt in courses and training, which the organization facilitated on the one hand, but were expressed as nurses own responsibility on the other hand. Specific career opportunities related to learning departments are supervisor and practical trainer courses/positions. Other career opportunities are mostly associated with patient care, e.g. transplant nurse courses or nurse practitioner masters.

'There're many opportunities, on the ward patient care is complex and dynamic, so you can grow a lot there. Every year in your annual appraisal you are asked if you want to do something else, or go to a different department, which is very positive. If you're assertive and you indicate that you need more challenge or are looking for something else, then you can get quite far with that' – Vocational educated nurse

Discussion

To our knowledge, this is the first qualitative study conducting interviews among students and nurses of learning departments to explore their experienced career perspectives. Thirteen interviews provided in-depth insights within various themes.

First, one of the findings was that students indicated that learning departments contributed positively to becoming more skilled in working independently and collaborating with fellow students. This resulted in students feeling well prepared for the future. Feeling confident about the future was reported and explained by previously literture 15,43–47. A dissonance between expectations and reality was described by students resulting in a desire to leave the profession 15,43,45. Further studies showed preparedness as satisfying 44,46. A possible explanation of these comparable outcomes might be the supervision which is part of all the context in which these studies took place (collaborative learning) 44,46. Every nurse coaches two students, as the buddy-system within current study. Some studies described the preparedness phenomenon as positive and a reason to stay in the profession 44,46, other studies described the lack of the preparedness as a reason to leave the profession 15,43,45. As such, this compares and confirms the concept in a positive and negative sense.

Secondly, a lack of clear career opportunities was another result. While students mentioned realistic future representations and broad career opportunities, it was not always clear for students what next steps needed to be taken. Missing clear information about career prospects were reported earlier⁴³, which reinforces the current results.

Moreover, for nurses in learning departments, experiencing career opportunities seems not directly dependent on working on learning departments. Namely, present study suggest nice colleagues were arguments for nurses to not leave the ward. The importance of supportive and empathetic relationships with colleagues appeared in various studies^{15,47,48}, and therefore the need of relatedness aligns with current study.

Finally, findings of the current study also support the significant positive correlation between willingness to stay and clinical stress⁴⁹, because the challenging demanding nature of the work and patient category were experienced by nurses as leading for experiencing challenge in work and career perspective on the ward. Additionally, the need for dynamics of nursing was previously stated as a factor affecting the career development of nurses⁵⁰.

Strengths and limitations. To strengthen the credibility, interviews were recorded and a software and audit trail were used to increase dependability, transparency and report memo's, methodological choices, theoretical insights and personal thoughts⁵¹. At the same time, it supported the personal reflections of the researcher. Moreover, the included heterogeneous group provided rich data from different perspectives. The achieved maximum variation will contribute to transferability⁵¹. Because a heterogeneous group was included there was room

for various perspectives, improving intersubjectivity⁵¹. Intersubjectivity agreement was also improved by the independently coded transcripts by the first author, the second author and an external author⁵¹. Consensus was reached after discussion within the research team. Lastly, constant comparison was used, assumptions were formulated and member checking was conducted to optimize confirmability⁵¹.

Some limitations need to be considered. Career perspective and opportunities are broad notions which have multiple interpretations. This can mean different participants referred to different notions when answering the interview questions. However, care was paid to this potential limitation by asking participants about their definition of career perspective during interviews. Second, career opportunities for students seem more logical after graduating, moreover the worldwide shortage of nursing could influence the experiences of opportunities. This can lead to students experiencing more career opportunities and focusing more on their next career steps. However, during interviews the researcher focused on contributions of learning departments to find relevant data to answer the research question. Further, most of the students were part of special hospital learning pathways aiming at interconnection, whereby a job was virtually guaranteed. Finally, including more men could have strengthened the study, although our sample represents the daily practice as nursing is a female-dominated occupation. Bachelor students were overrepresented, so possible education variation is minimal. While it is known that bachelor students increasingly attending advanced education²³. However, a number of the responded bachelor students completed vocational education too. Implications for clinical practice and future research. The results can be used by nursing supervisors, teachers and policy makers to optimize work/learning department environments, deploy strategies to eliminate leave intentions and improve quality of patient care. The results should be taken into consideration when coaching students, develop manuals and implement or optimize learning departments. Future research is recommended to investigate which tools/interventions are effective for nurses and other healthcare professionals to support career guidance.

Conclusion

The current study aimed to investigate how nursing students and RN's working in learning departments experience the requirements for career opportunities. The results of the current study suggest that requirements to experience career perspective seems partially existing for students and RN's in learning departments. Emerged from analysis, career perspective is experienced differently. Students mostly focus on questions such as 'do I want to work in healthcare and this setting?' and 'am I competent enough?', while nurses focus on the aspects of job satisfaction (colleagues, challenge, workload).

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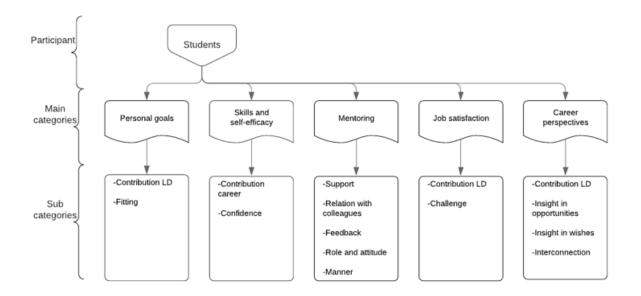
Tables and Figures

Table 1 Baseline characteristics

Baseline characteristics	Number	of			
	participants	s (%)			
Total number of participants	13	(100)			
Students	6	(46)			
Registered nurses	7 (54)				
Gender students					
Male	0	(0)			
Female	6 (100)				
Gender nurses					
Male	1	(14)			
Female	6 (86)				
Age in years students					
<40	6	(100)			
>40	0	(0)			
Mean	22,2				
Age in years nurses					
<40	(4)	(57)			
>40	(3)	(43)			
Mean	39,7				
Educational level students					
Vocational education	1	(17)			
Bachelor	3	(50)			
Vocational education + bachelor	2 (33)				
Educational level nurses					
Inservice	3	(43)			
Vocational education	2	(29)			
Bachelor	1	(14)			
Vocational education + bachelor	1 (14)				
Ward specialism students					
Thorax	1	(17)			
Lung	2	(33)			
Revalidation	2	(33)			
Thorax + revalidation	1 (17)				
Ward specialism nurses					
Thorax	2	(29)			
Lung	2	(29)			
Revalidation	3 (43)				
Years of work experiences nurses					
In total					
<30	3	(43)			

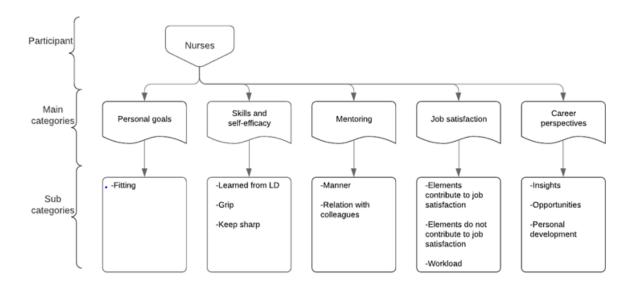
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>30	4	(57)
Mean	19,4	
On the learning department		
<15	4	(57)
<u>≥</u> 15	3 (43)	
Mean	11,6	
Hours work per week nurses		
24	1	(14)
28	3	(43)
32	3 (43)	



Note: LD: learning department

Figure 1 Coding scheme students



Note: LD: learning department

Figure 2 Coding scheme nurses