

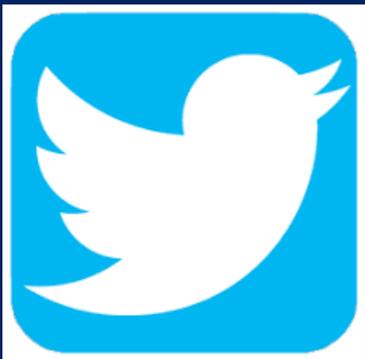


# Twitter – is it an educational tool? @livuniphysio

Amanda Deaves

Emily Grant

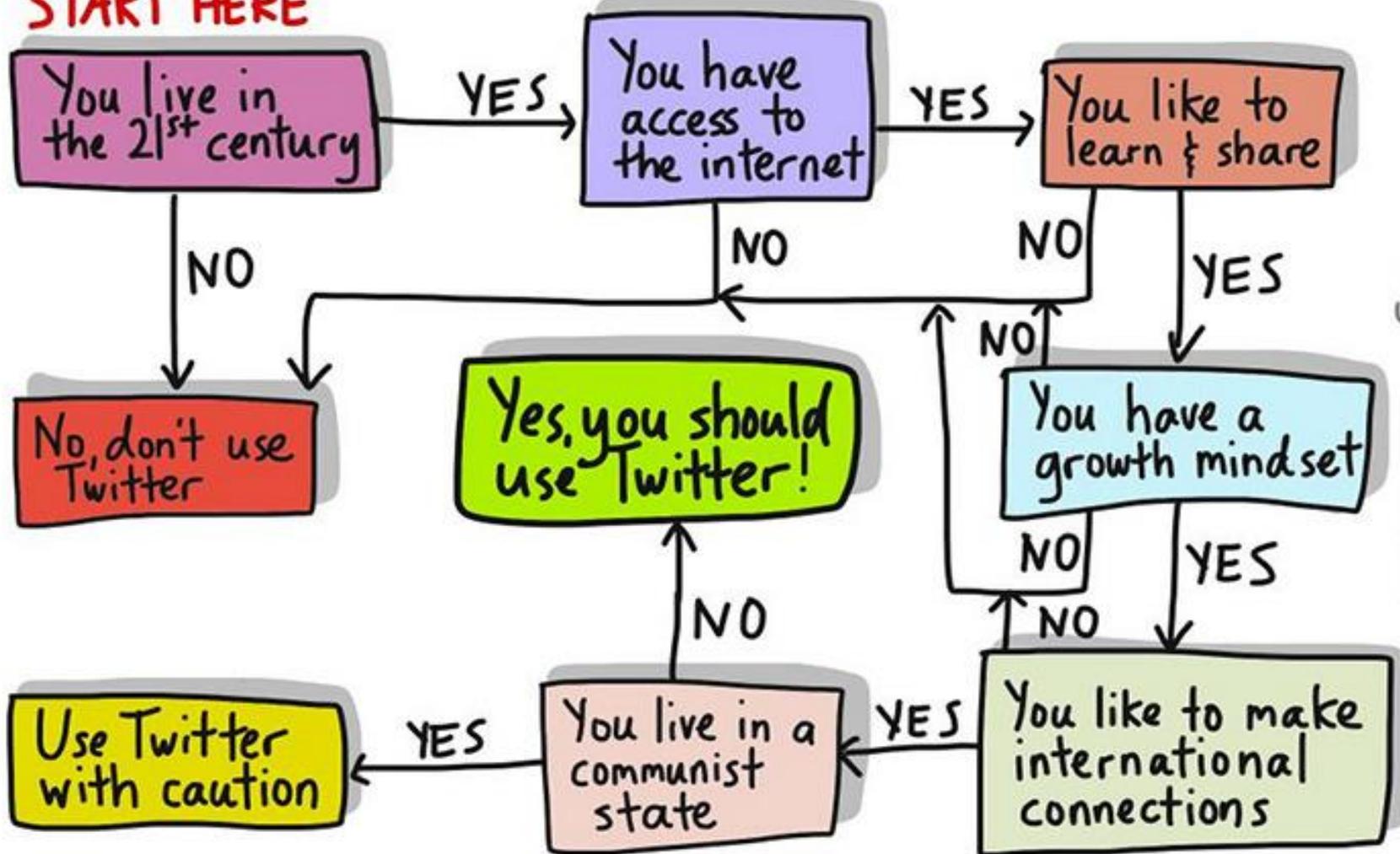
Kate Trainor



# SHOULD YOU USE TWITTER?



**START HERE**



@sylviaduckworth

Enhanced Education

Take home messages

Timely information

Networking links

Assignment support via Tweet chat

Links to additional resource

Pedagogy Principles

Conciseness

Principles for Student Engagement

Student – tutor interaction

Support learning

Connectivism  
Constructivism

Awareness of the world

Collaboration

Social Interaction

Resource sharing

Active learning

# Research Title

A mixed method investigation; do final year undergraduate physiotherapy students value Twitter as an educational tool?

- Research Question:
  - Can Twitter be used as a teaching tool to enhance the educational experience of undergraduate physiotherapy students?
- Research Aim:
  - to explore the potential for using Twitter as an educational tool within physiotherapy education

# Mixed Method Design

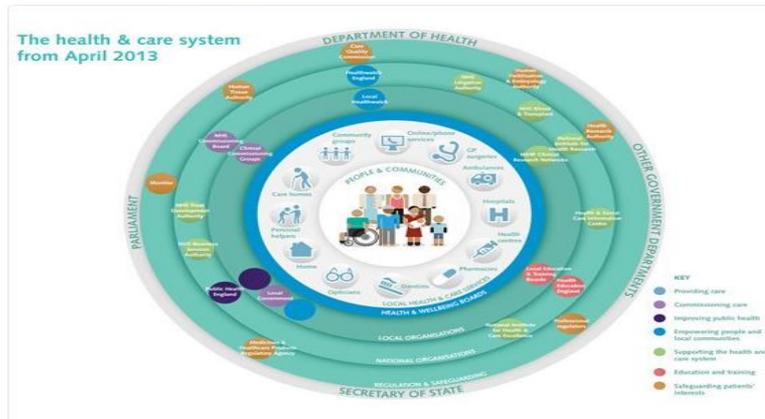
- Ethical approval
- Year 3 cohort undergraduate physiotherapy students
- Quantitative and Qualitative questionnaire
  - Initial questionnaire – Semester 1 Week 1
  - Scoping Questionnaire mid semester 1
  - Final questionnaire – May Semester 2
- Focus Groups – Mid Semester 2
  - Sampling questionnaire regarding habits
  - ‘super users’ & ‘new users’



# One Module in Year 3 – Context of Physiotherapy PHTY316

**Liverpool Uni Physio**  
@Livuniphysio

Here is an infographic to get you started on thinking about the organisation / structure of the NHS #phty316



**Liverpool Uni Physio**  
@Livuniphysio

This is essential for quality of care #PHTY316  
Are you going to choose Stroke as your condition / population for the assignment?

ACPIN @ACPIN\_UK

New RCP Stroke guideline is available  
rcplondon.ac.uk/guidelines-pol...

RETWEET 1 LIKE 1



**Liverpool Uni Physio**  
@Livuniphysio

It's week 3 of placement so lets focus upon Inter-Professional Team Working #PHTY316  
Who is in your IP team? What makes this team effective?

3:10 AM - 24 Oct 2016



**Liverpool Uni Physio** @Livuniphysio · Feb 16

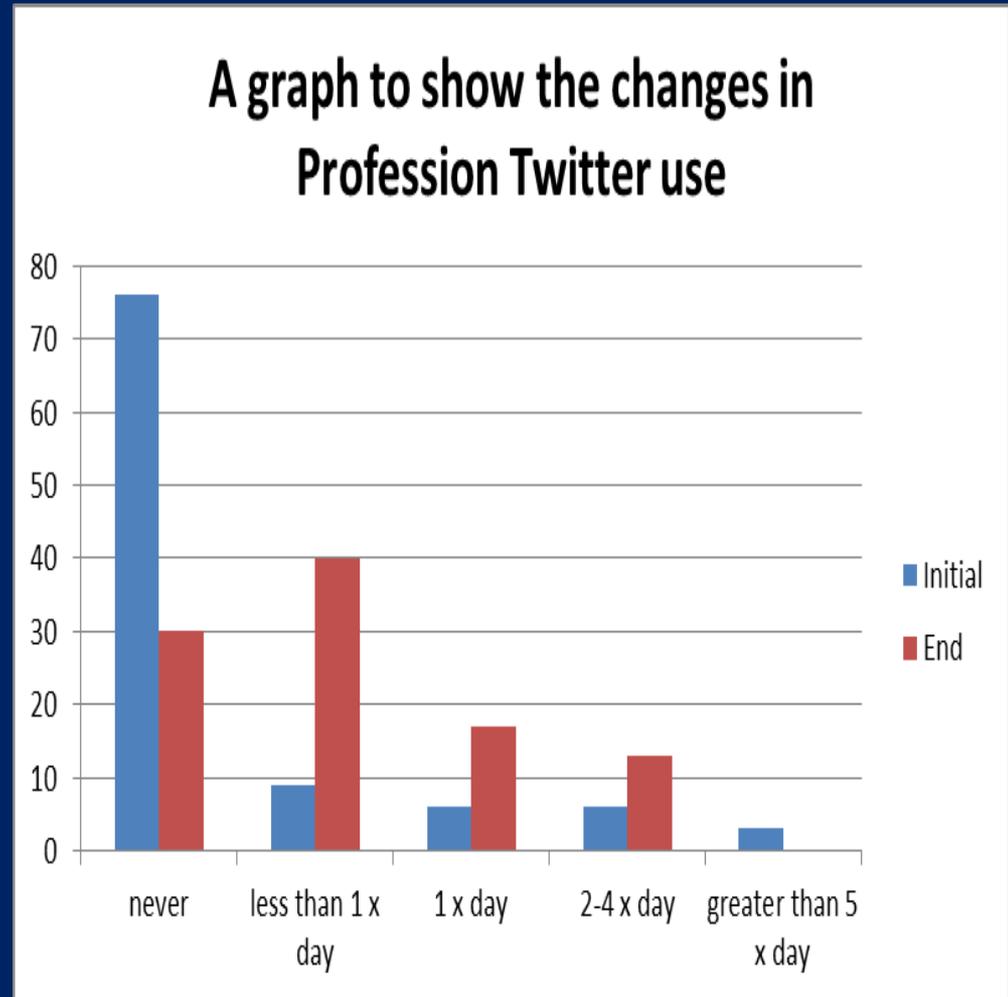
Don't forget the Tweet Chat is today!

#PHTY316

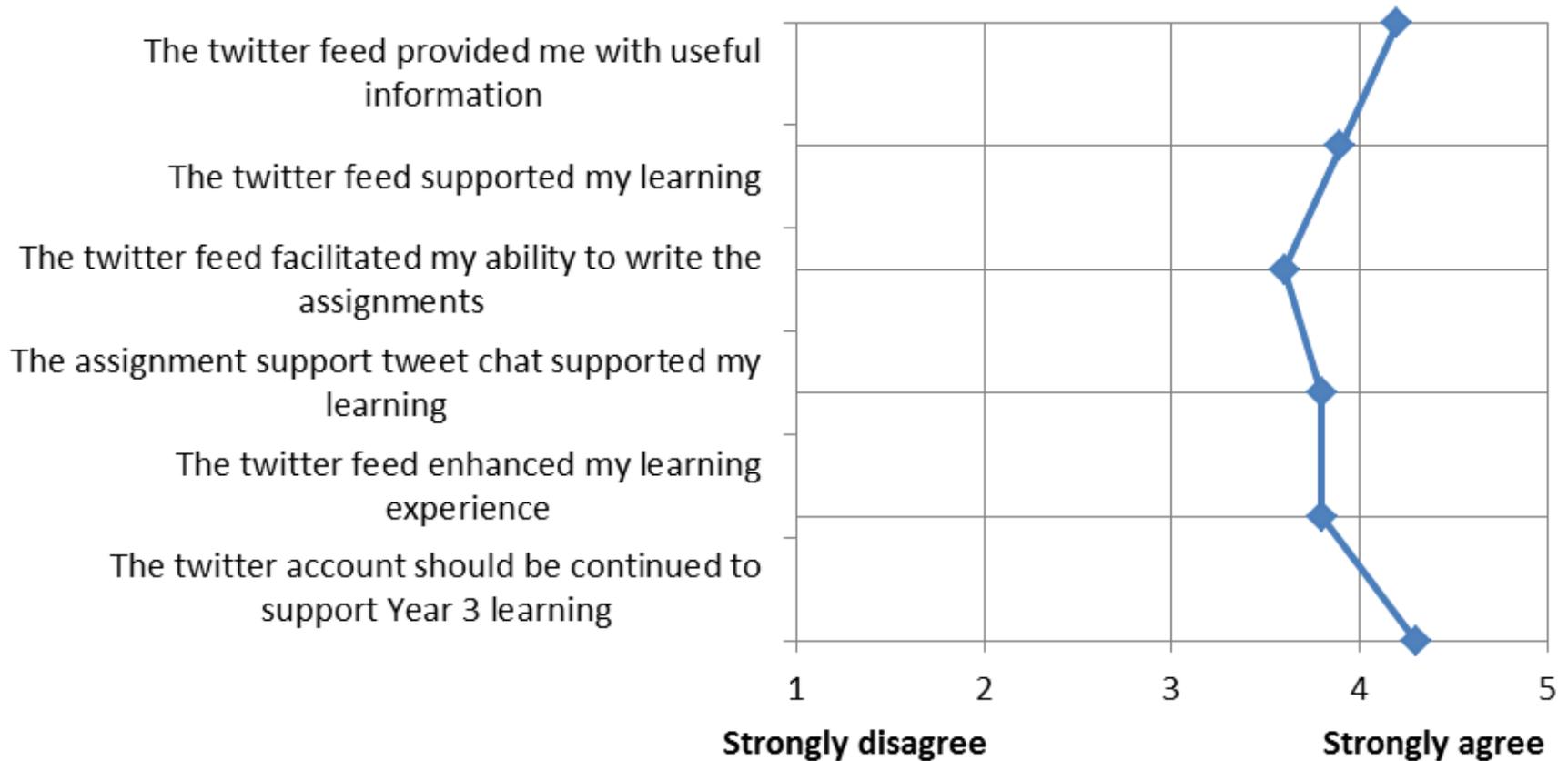
We are discussing Extended Scope Roles  
Looking forward to another great session.

# Results

- N=33
  - 10 males : 23 Females
- Age: 18-23 years = 31  
24-29 years = 2
- Initial usage
  - Facebook 100%
  - Twitter 39%
- End of year usage
  - Facebook 100%
  - Twitter 70%



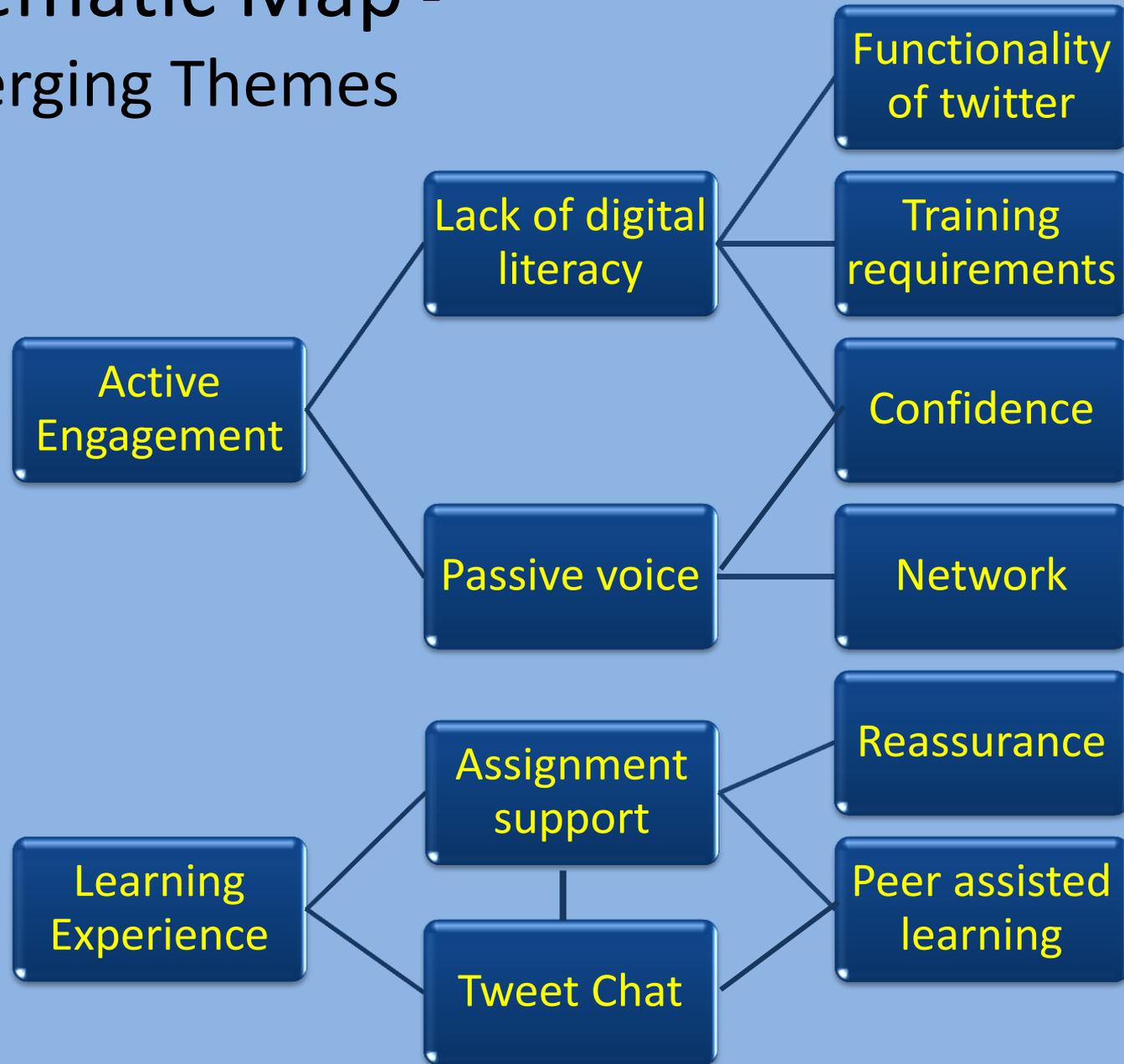
# Evaluation of Twitter feed post module using a Likert scale N= 30



# Qualitative Method

- 2 focus groups;
  - super users (n=7)
  - new users (n=8)
- Question schedule developed from scoping questionnaire
- Conversations were recorded and transcribed verbatim
- A thematic analysis approach was adopted (Vaismoradi, Turunen & Bondas 2013)
- Data was independently reviewed by 2 researchers, codes refined and defined, then themes identified
- Preliminary emerging themes will be presented

# Thematic Map - Emerging Themes



Educational Tool

Active engagement

Lack of digital literacy

Passive voice

Wider Network

“I don’t feel that I got the most out of this”

“I think the main negative for me...was the assumption that we would all know how twitter works and how it is used and how much of a powerful tool it is”

“I’ve used it quite passively I haven’t really actively posted things out”

“Having the confidence to actually be an active part of it and not just passively just clicking on that”

“...massive platform in physio now where a lot of the physio’s are sharing their ideas”

“I was in contact with a couple of people whose papers I had read...they answered a few questions...”

“...I would be using Twitter more to get more evidence and stuff like that”

Tweet Chat

Reassurance

Peer  
Assisted  
Learning

“So we take your word for it when you post something”

“It just provided reassurance, especially the tweet chats”

“...one of the main anxieties about assessments is that you are not doing the same as everyone else....it was useful from that point of view”

“...basically did a spider diagram of notes on what had been said and resources off you guys and other people...”

“It was things that you might not have even thought to look at so it was quite helpful to see what other people had been using in their assignment”

# Twitter – is it an educational tool?

- Positively received by physiotherapy students
- Students demonstrated an increase in professional use of Twitter
- Encourages active engagement
  - Resource sharing
  - Collaboration / peer assisted learning
- Has the potential to impact on digital literacy
- Supports the development of professionalism

# The Future

- Continue with thematic analysis and complete triangulation of data
- Keep the account active - tweeting over the summer
- Consider widening scope of feed to include broader networking aspects
- Increase the 'active' requirements within the module to increase active engagement from the students
- Ensure twitter training is included early within the module



# References

- Dhir A, Buragga K, Boreqqah A (2013) Tweeters on Campus; Twitter a Learning Tool in Classroom? *Journal of Universal Computer Science* 19,5, 672-691
- Flynn L, Jalali A, Moreau K (2015) Learning theory and its application to the use of social media in medical education. *Postgraduate Medical Journal* 91, 556-560
- Osgerby J, Rush D (2015) An Exploratory case study examining undergraduate accounting students' perceptions of using Twitter as a learning support tool. *The International Journal of Management Education* 13, 337-348
- Ruckert E, McDonald PL, Birkmeier M, Walker B, Cotton L, Lyons LB, Straker HO, Plack MM (2015). Using Technology to Promote Active and Social Learning Experiences in Health Professions Education. *Online Learning*, [S.l.], v. 18, n. 4, oct. 2014. ISSN ISSN 2472-5730.
- Vaismoradi, Turunen, Bondas (2013) content analysis and thematic analysis: Implications for conducting a qualitative descriptive study. *Nursing & Health Sciences* 15 (3) 398-405