

Research methodology: doing ethnography

- the journey from research design to data analysis

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#TakeOnTomorrow



"...whether it's the charge nurse giving one of my colleagues a fake patient name on April Fools Day, that if read out loud was slightly dodgy... or it's just day-to-day light heartedness about

Interview 1

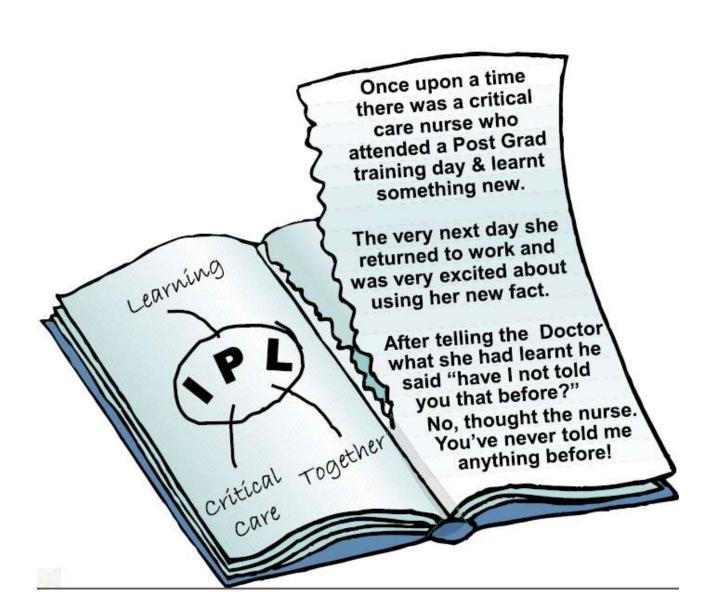
certain things... it's probably a sign of

fairly healthy morale I think"











How do you research something you cannot see?





THE RESEARCH



AIMS

- Develop a rich description of the interprofessional learning culture in adult critical care.
- Gain in-depth understanding of critical care staff perceptions and experiences of interprofessional learning within adult critical care.
- Identify the perceived factors promoting or inhibiting interprofessional learning in adult critical care.

OVERARCHING QUESTION

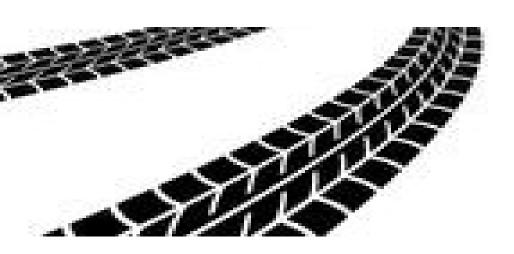
What influences interprofessional learning (IPL) culture in the adult critical care environment?



THE USE OF ANALOGY...



At the scene of a collision



What happened?



DIFFERENT APPROACHES...

- Talk to the people in the car
- Call for witnesses
- Reconstruct the events based upon their perspectives of events.

BELIEF SYSTEM

Different people will have different versions of events that they have structured themselves.

PARADIGM... INTERPRETIVE

PHILOSOPHY: SOCIAL CONSTRUCTIONISM

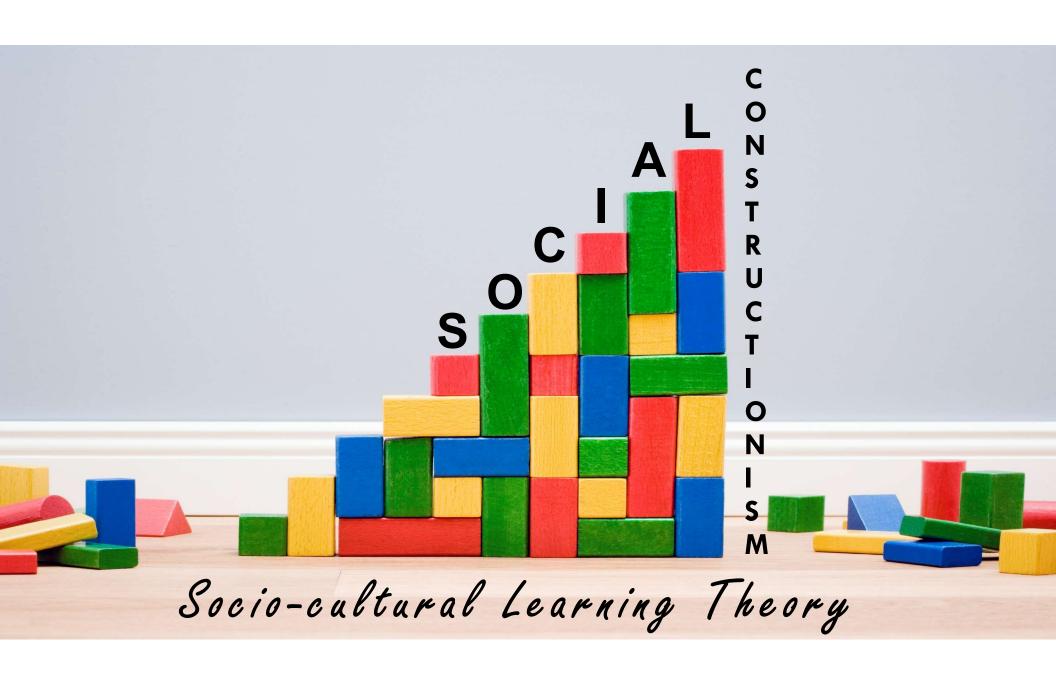
- Get statements
- Measure things e.g. tyre tracks, work out the speed of the vehicles, trajectories of travel.
- Tyre tracks = assumption of guilt for the 2nd
 driver i.e. they saw the person in front and
 braked, therefore they are at fault.

BELIEF SYSTEM

This is an absolute truth, substantiated by facts

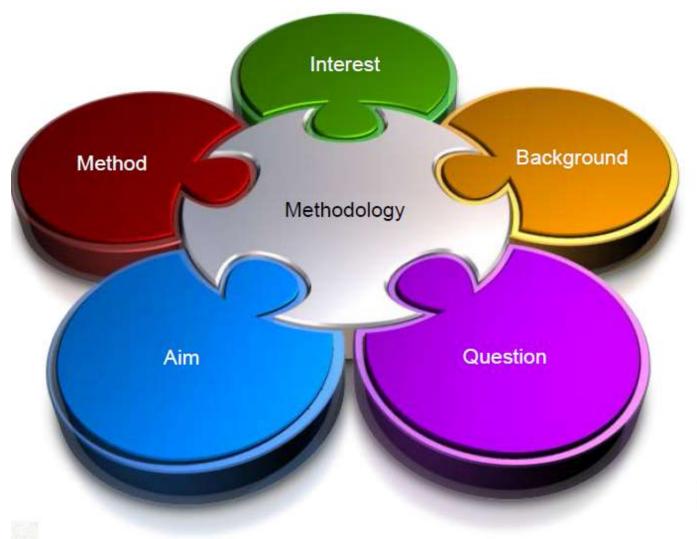
PARADIGM... POSITIVIST

PHILOSOPHY: Looking for an absolute truth



Philosophical Assumptions	Definition	My Beliefs	Aligned Theory	
Ontological	The nature of reality.	There are multiple subjective realities.	Interpretive paradigm.	
Epistemological	What counts as knowledge?	Participants socially construct knowledge.	Social Constructionism. Socio-cultural learning theory.	
Axiological The role of values in research.		Values are subjective to participants and researchers.	Reflexivity.	

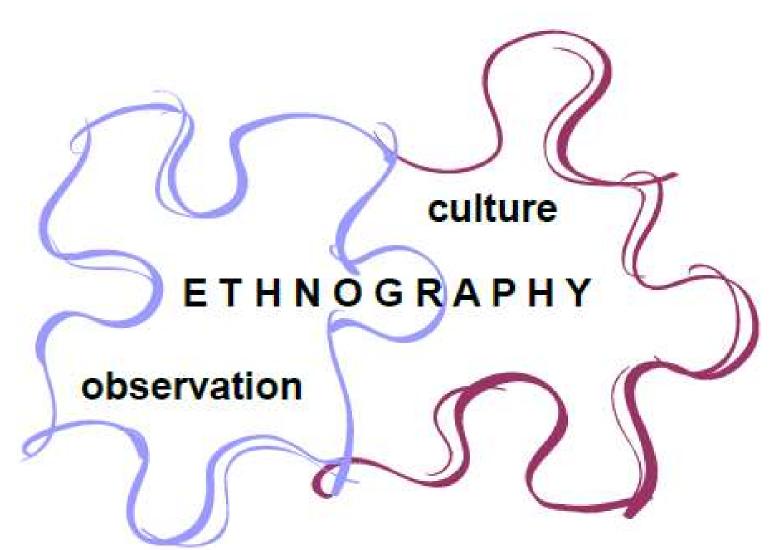












Northumbria University NEWCASTLE With ethnography the researcher immerses him- or herself in a social setting for an extended period of time, observing behaviour, listening to what is said ... and asking questions."

Bryman (2012)

Ethnography is a methodology

– a theory, or set of ideas –
about research that rests on a
number of fundamental criteria.

Ethnography is **iterative-inductive** research

Ethnography results in

richly written accounts that

respect the irreducibility of human experience, acknowledges the role of theory, as well as the researcher's own role, and view humans as part object / part subject.

Ethnography draws on a family of methods, involving direct and sustained contact with human agents, within the context of their daily lives (and cultures),

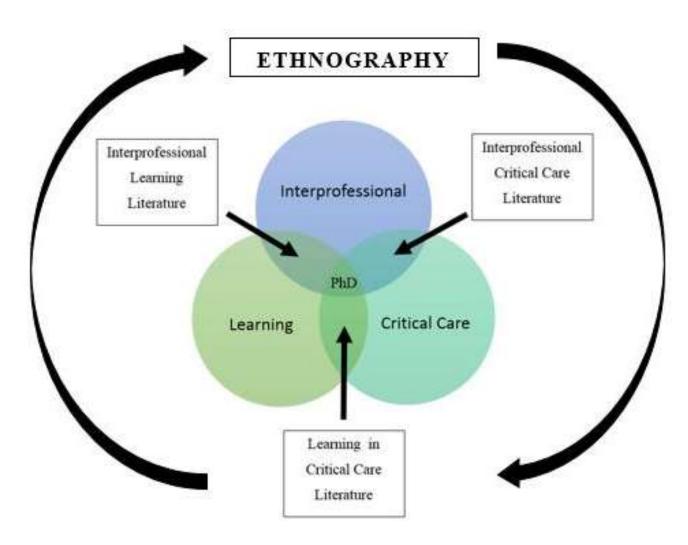
watching what happens, listening to what is said, and asking questions.



REFERENCE: O'Reilly, K. (2009) Key Concepts in Ethnography London, SAGE

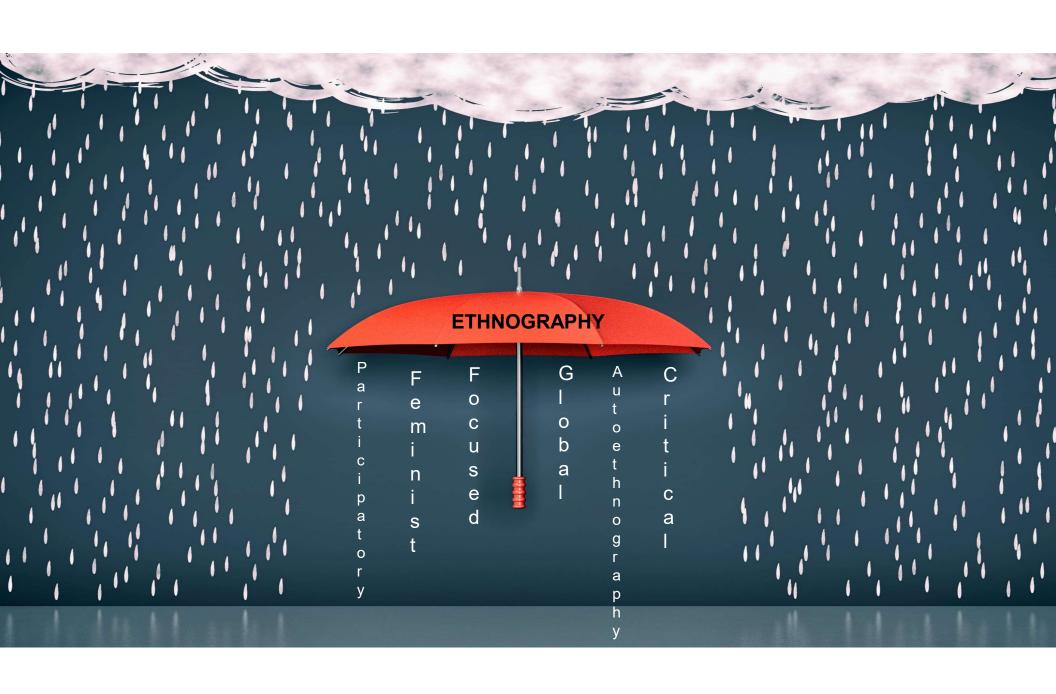
The PhD focus

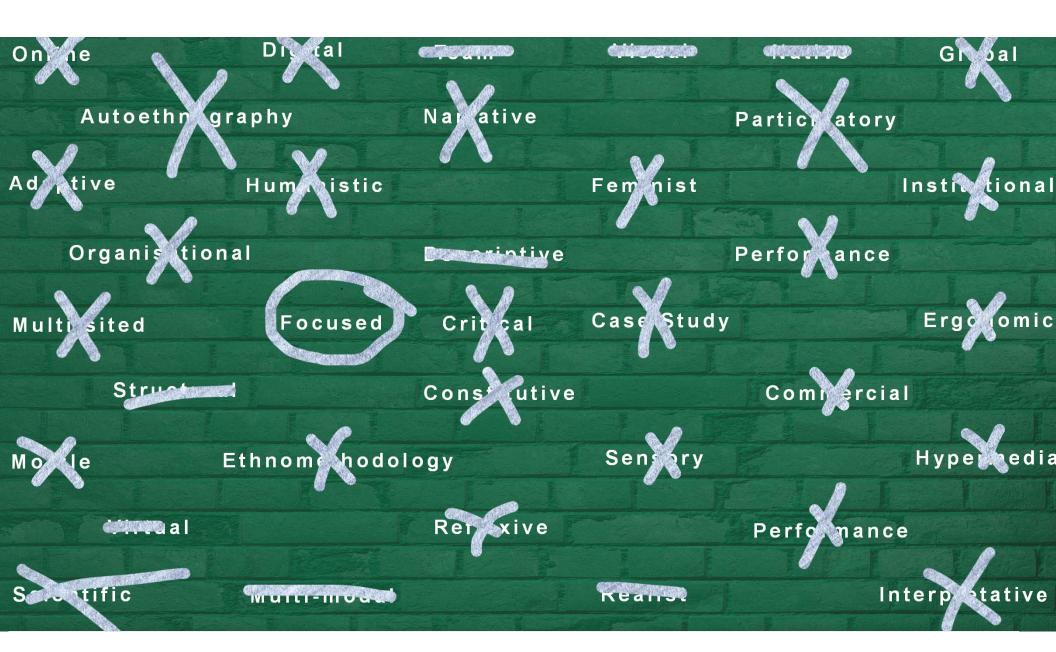












Focused Ethnography explores

a distinct issue IPL Culture

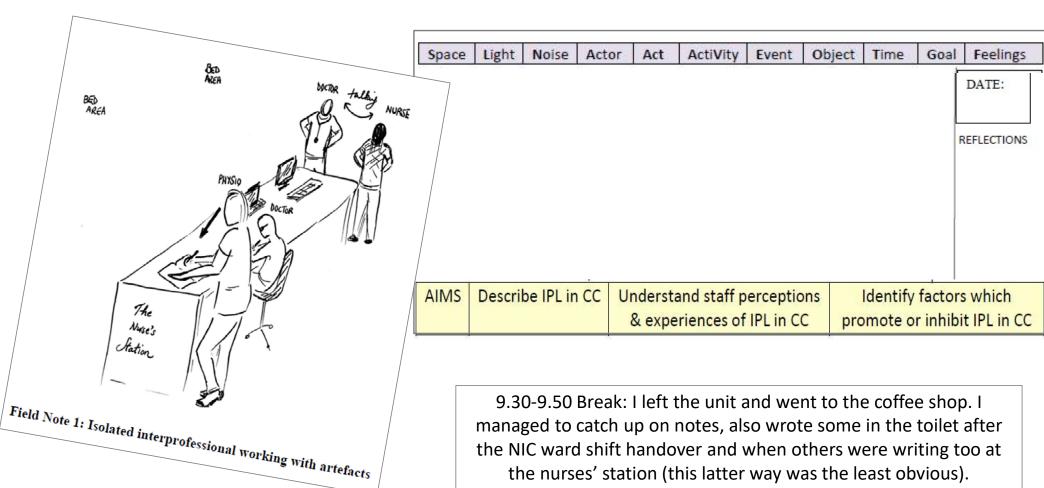




Adult Critical Care



Fieldwork: partial participant observation



the nurses' station (this latter way was the least obvious).

Fieldwork: Theoretically Framing Observations

• Feeling: the emotions felt and expressed

Seven stage framework of learning conditions significantly affecting informal workplace learning

- a high degree of exposure to change & demands
- managerial & decision-making responsibilities
- extensive professional contacts
- access to learning resources
- superior feedback
- management support for learning
- rewards for proficiency

Skule (2004)

Space: the physical place or places Actor: the people involved Activity: a set of related acts people do Object: the physical things that are present Act: single actions that people do Event: a set of related activities that people carry out Time: the sequencing that takes place over time Goal: the things people are trying to accomplish

Figure 4.2 Framework of learning conditions

Figure 4.3 Observation template dimensions



Spradley (1980) p.78

Fieldwork: Consent

How do you ensure staff are informed and can opt out?



Fieldwork: Consent

There is research currently taking place in this area

Please be aware there may be research occurring within this Critical Care Department.

How do you ensure staff are informed and can opt out?

There is research currently taking place in this area

Please be aware there may be research occurring within this Critical Care Departme

Why?

The research is being done to find out about the learning which takes place between NHS staff in Critical Care.

Who?

The research will involve NHS staff working in Critical Care.

It will not involve visitors or patients.

Your Rights

Ethical approval has been granted for this project and if you do not wish to participate within this research it is your right to withdraw from it.

Who do I contact?

If you have any further questions please refer to the Participant
Information Sheet or you can contact the following people:

Vikki Park (Main Researcher)



Fieldwork: Observing IPL in 24/7 Care

Table 4.4 Observation schedule example

Introductory	Visit 1:	Visit 2:	Visit 3:	Visit 4:	Visit 5:	Visit 6:	Visit 7:
visit	environment	morning	afternoon	evening	Saturday	Sunday	Interviews
1 hr	1 hr	7am- 1pm	1pm- 6pm	6pm- 12am	7am- 1pm	1pm- 6pm	1 hr n=4-12

1112 1 Tue	W _{ED}	Тни 2	F _{RI}	SAT 4
10 2 3	8	9	10	11
8 4	15 22	16 23	17	18
765	29	30	31	25

Fieldwork: semi-structured interviews

[Planned	Tell me about your role and background in critical care.
Prompt]:	
[Specific	Can you tell me about the ways you think people learn
Tour]:	best in critical care?
[Planned	I have mentioned Inter-Professional Learning. What
Prompt]:	does this term mean to you?
	What are your experiences of the way different
	healthcare staff learn in critical care?
[Example	Can you give me an example, which involves learning
Question]:	from your critical care colleagues?
	I would like to hear more about how you learn with
	other staff in critical care
[Planned	Can you tell me what you think the benefits are of
Prompt]:	learning together with other professionals?
	Which, if any, barriers or challenges are there in
	relation to learning with other colleagues?





THE PROCESS: AN OVERVIEW



Research Design

Ethical Approval

Quality Assurance

Data Collection

Analysis

Dissemination

You are here

The Process: In stages



3x aims
Overarching
question



Philosophical Position				
Ontological	Epistemological	Methodological		
Social Constructionism Interpretivism	Sociocultural Learning Theory	Focused Ethnography		

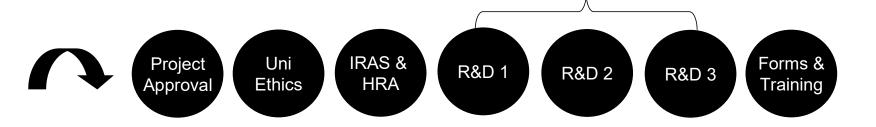
Research Design

The Process: In stages



3 Critical Care Units studied over 12 months

Research Design



Ethical Approval

The Process: In stages



Research Design

Ethical Approval

Annual Progression

Year 1

Year 2

Year 3

Year 4

Quality Assurance

The Process: In stages



Research Design

Ethical Approval

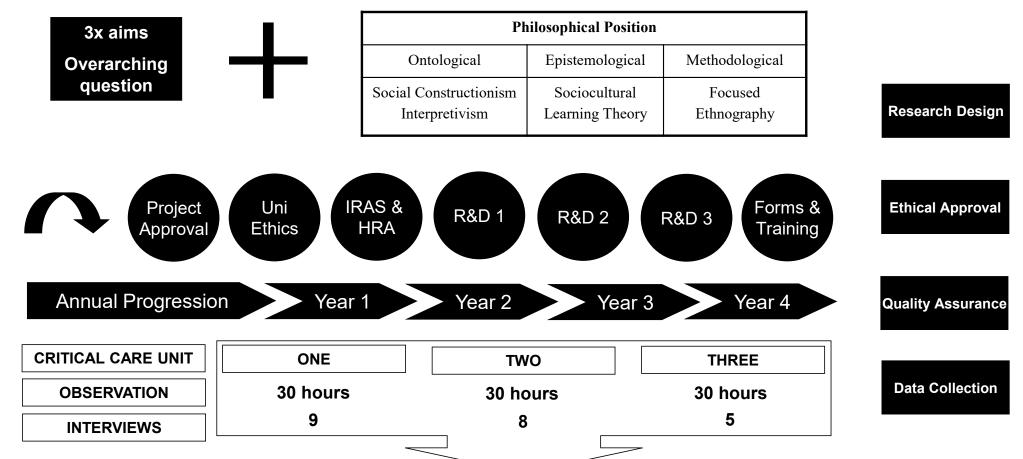
Quality Assurance

Data Collection

CRITICAL CARE UNIT	ONE	TWO	THREE
OBSERVATION	30 hours	30 hours	30 hours
INTERVIEWS	9	8	5
			_
	>	250, 000 words da	<mark>ata</mark>

The Process: In stages





> 250, 000 words data

Data Analysis



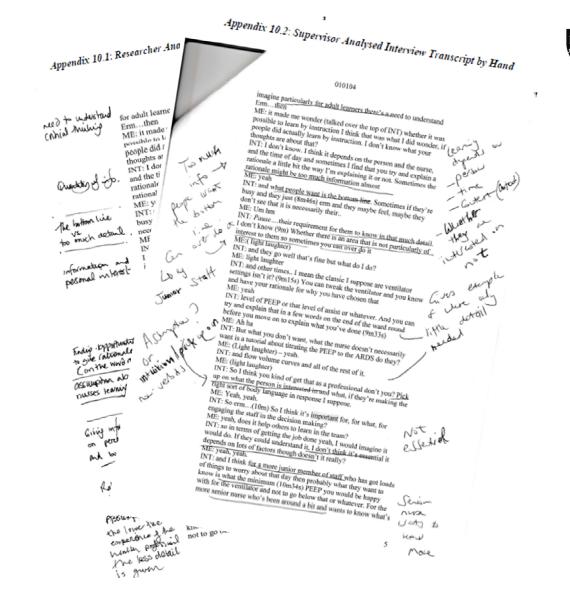
Six phase approach to Thematic Analysis by Braun & Clarke (2006)

Familiarisation with the data		
Coding		
Searching for themes		
Reviewing themes		
Defining and naming themes		
Writing up		

Verbatim transcription

Phase Two: Coding

Researches

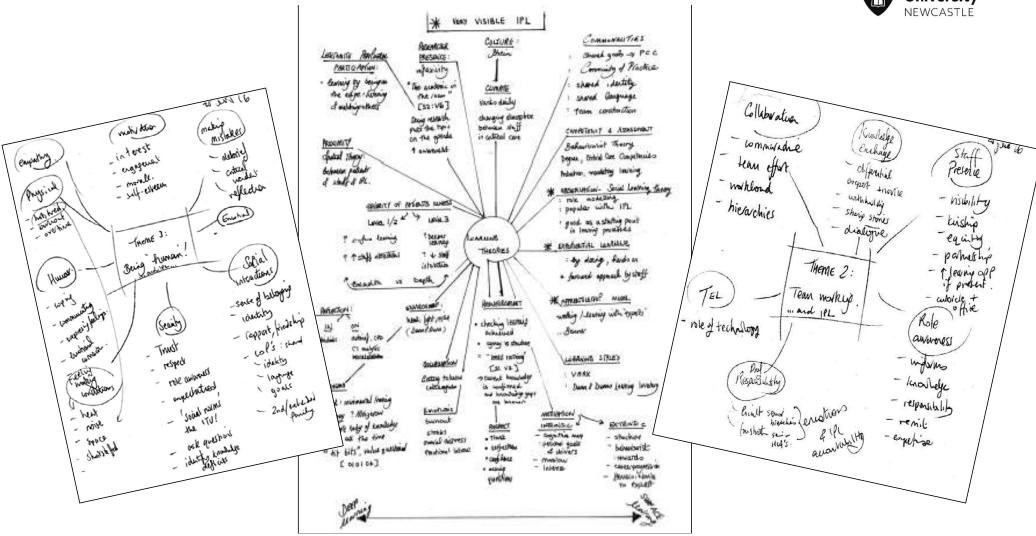


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Data Analysis: Conceptual & Thematic Mapping





Phase Three:

Searching for Themes

Data Analysis: Candidate Themes



Interprofessional Learning in Adult Critical Care: Early findings of a focused ethnographic study

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THE BEAUTIME & BETWEEN THE FRANCE OF PRINCIPLE TRANSPORTED TO THE PROPERTY OF THE PRINCIPLE Collaborative IPL

Creating Space & Time for IPL

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- IPL & Humanistic Values
- a Notabledge tenorging stand proby bleed

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Regulational Learning (PL) is separat what he ad-

citical care withing and it is complete.

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- divation and six individual's personal supristions.
- The add retical case IPI, collect case he showed by the operation and by groups, but also indeduces in the setting
- whichly can be accounted for theoretically by considering surgicine terms into resour work is open

shed light on the immunious and referencing factors making it nor earning within adult untice care.

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Fromming spoons in adult infloor care: 'moving spool for lift.' The manufactual of adequarities lies and oppositely by \$15

This exploratory study wides further research into P1, in proof

Parado, T., Lauke, M., Punillo, K., Grappie, M. A., Apounale, A.H.J., Mills, S. & Perver, S. (2014) Televining transpolational cars in interview care. A scoping review of alt ecognitic studies' America.

VWW Park, Senior Lecturer, Northumbria University, Faculty of Health and Life Sciences: vikid2.park@northumbria.ac.uk Supervisors: Professor Amunda Clarke (Principal), Dr Allson Machin & Lesley Durham



Phase Four: Reviewing Themes

Data Analysis: Using NVivo



★ Name	4 農	Files	References
IPL definition_small talk_interview close	(m)	22	.53
Reflexivity	633		(206
Access		20	126
Acceptance		14	34
first impressions		6	11
friendly		11	16
gatekeeper		6	8
Introductions		13	26
limited access		5	7
publicity		4	5
Unfriendly		9	14
Researcher role		19	80
drawing data		2	3
explaining research for consent		8	12
Introductions for consent		5	11
Observation data		4	4
outsider position		13	25
triple role		8	17
writing field note data		4	6
THEME 1_Embedding IPL_opportunities	600	40	71.
THEME 2_Collaborative IPL_Community, connections COP and teamwork		38	420
THEME 3_Humanising IPL_being human		36	15-

Phase Four: Reviewing Themes

Data Analysis: Using NVivo



THEME 3 Humanising IPL bein X nothing going on with that patent" but when a relative comes in, they think: oh my God. All they se Reflection Emotion Humour Motivation Power and hierarchy Personality Being human Staff views as a work family Rapport and connectedness Networking Coding Density Patient Centred Reminiscing and stories explaining research for consent _anguage is all these wires attached to them. So I think I try to make the area bit more 'normal', rather than say, human. I: Yes. Reference 7 - 1.78% Coverage Atmosphere Questions Environment P: It's not as frightening as if it's just your normal working environment, or your normal... Yeah, you normal environment. It makes it easier and you feel more relaxed and more receptive to learn or ask questions and... And often, I think a lot of the learning that goes on, you're oblivious it's actuall happening, I think you know, like things like clinical supervision, we keep [saying] we do it, but we just don't write it down. You know? And, because it's just chit-chat and I think people learn an awfi lot just by chatting away there at the bed space. Without realising. And to be honest, people are obsessed about revalidation at the minute and I keep saying... You know, [name], our educator said "we'll be fine. Our unit is fine. We all have the right [indecipherable 9:50] to ours" and I keep sayin "you know, we've just had a chat there now. That could be 'reflection'". I: Absolutely. Yes. Oh, thanks for that; that's what I'll do for mine. <Files\\010603 transcription> - § 5 references coded [15.41% Coverage] of 3 D DI Section 1

Phase Five: Designing & Naming Themes

Data Analysis: Central Organising Concepts



____ Defining each theme -

- THEME ONE Embedding IPL

The first theme captures the different way that IPL is embedded into the leaking cultive if admit vitical care. It considers the opportunities to integrate IPL into the cultive, and how PL wither course cohenced

eg sonding time, seasonly's, Profession roles space, griet, drivers: external internal

- THEME TWO-Collaborative IPL This second there acknowledges the finding that learning between professionals (182) is enhanced with well about the Interpretential working. Theme two considers all of the packets which can influence how people work together to improve IL.

e.g. dialogue, 1PW, boundoies, larguye, morale, oppenies, seasoinaking

HEME THREE -Humanising The first theme really emphassis the finding that projectionals are people first. Being human fortifies IPh in adult inteal our and this theme reagenises the influence that people within a system have on culture

e.g. bary human, agents of charge, rule modelling, Jainly, school dutity, societallow

Phase Six:
Writing Up

Data Analysis: The Thesis & the Summer of 19





Data Analysis & the Findings



Embedding IPL

Environmental Effects
Learning Together
Ways of Learning
Critical Care Practices

Collaborative IPL

The Nature of Collaboration
Therapeutic Relationships
Community of Practice
Disconnections

Thematic Analysis

Analysis

3 Overarching Themes

11 Themes

38 Subthemes

Humanising IPL

IPL in

Adult Critical

Care

Being Human Behaviour The Human Team

Overarching Theme 1: Overarching Theme 2: Overarching Theme 3: Embedding IPL Collaborative IPL Humanising IPL Environmental Ways of Critical Care Staff Building Community Being Human Disconnections Effects Learning Practices Influences Relationships of Practice Human Behaviour Learning Regular Physical Professional Collaboration Making Being Tension Socialising from Others and Openness Factors Activities Role Mistakes Motivated Uniprofessional Leadership Showing Feeling Critical Care External Learning Networking Commonality Learning Approaches Layout by Doing Drivers Personality Emotions Interprofessional Relationship Professional Creating Learning Making Using Using from Presence Attributes Perspectives Learning Connections Humour Artefacts Reflection Zones The Work Making Theory and Family Time Training

Figure 5.2 IPL Culture in Adult Critical Care: A thematic map of findings

Central Organising Concepts

Overarching theme 1 captures the different ways that IPL is embedded into the learning culture of adult critical care. It considers the learning environment, opportunities to integrate IPL into daily critical care practices and the ways IPL culture can be enriched.

Overarching theme 2 acknowledges the finding that learning between professionals is enhanced with collaboration. Collaborative IPL explores factors which influence how people work together and interact in relation to IPL in adult critical care. Overarching theme 3 emphasises that health professionals are people first. Being human fortifies IPL in adult critical care and people within a system or organisation can influence IPL culture by virtue of being human.

My Ethnographic Findings: Read all about it ...



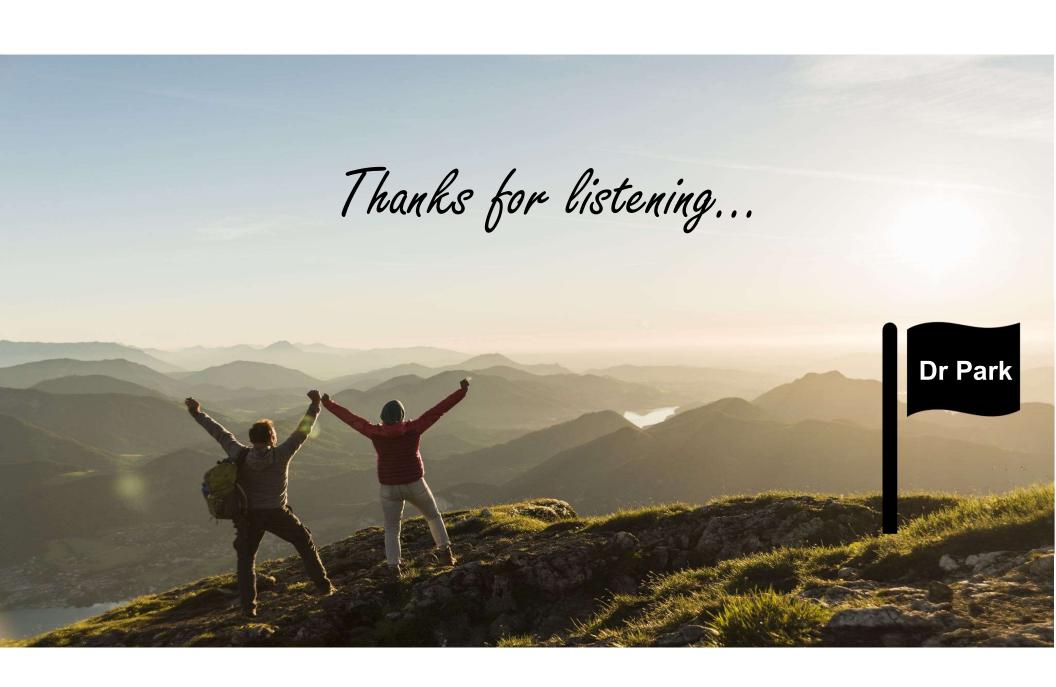
My thesis & conference presentations





http://nrl.northumbria.ac.uk/id/eprint/45621/

https://researchportal.northumbria.ac.uk/en/researchers/vikki-park(d3da55d0-3ad1-4925-aeca-5fead2127b8b).html



Really Useful Sources



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