

INTRODUCTION TO QUALITATIVE RESEARCH

Lecture Objectives

This lecture will help you to

- 1. Recognise the key character is of qualitative research.
- 2. Describe methods of the collection and analysis in a qualitative study.
- 3. Understand sompling method in qualitative research
- 4. Recognize the concept of trustworthiness in qualitative research.
- 5. Understand limitation of qualitative research.

WHAT IS QUALITATIVE RESEARCH?

Quality refers to the How and Why of a thing.

Qualitative research refers to descriptions of things.



WHAT IS QUALITATIVE RESEARCH? CONT'D

Qualitative research offers unique opportunities for understanding complex situations.

يسعى البحث النوعي إلى فهم الظاهرة قيد الدراسة في سياق الثقافة أو البيئة التي تمت دراستها فيها (طبيعية)

- Qualitative research seeks to understand the phenomenon under study in the context of the culture or the setting in which it has been studied (naturalistic).
- Adjectives like: Rich, Deep, Thick used when talking about qualitative research.

Examples of research objectives for qualitative research

مؤ فقلك

- 1. to assess medical students' perception of their quality of life and to explore its modifying factors related to the academic environment and individual skills.
- to explore current perceptions of healthcare staff towards reporting and organisational learning for improving patient safety.
- to determine dentistry students' perceptions of risk factors involved in developing musculoskeletal disorders.
- to investigate attitudes of XXX women of childbearing age and healthcare professionals regarding preconception health.

ّ. لتقييم تصور طلاب الطب لنوعية حياتهم والاستكشاف العوامل المعدلة لها المتعلقة بالبيئة الأكاديمية والفردية ممارات.

2. لاستكشاف التصورات الحالية لموظفي الرعاية الصحية تجاه الإبلاغ

التعلم التنظيمي لتحسين سلامة المرضى.

3. لتحديد تصورات طلاب طب الأسنان لعوامل الخطر التي ينطوي
 عليها

تطوير الاضطرابات العضلية الهيكلية.

4. للتحقيق في مواقف XXX من النساء في سن الإنجاب والرعاية

المتخصصين فيما يتعلق بصحة ما قبل الحمل.

Qualitative and Quantitative research questions

Quantitative Research question: What proportion of people with epilepsy stop taking medications for three consecutive days in 6-month period?

Qualitative Research question: How does medication shape the lives of people with epilepsy?



Characteristics of Qualitative Research

The focus is on process, understanding, and meaning;

▶ The researcher is the primary instrument of data collection and analysis;

The process is inductive;

The product is richly descriptive.

ट्रिक्टाहर स्थान्ड किंग्सी क

Research ieghlighedbedl

Focus on Meaning and Understanding

Qualitative researchers are interested in how people interpret their experiences, how they construct their worlds, what meaning they attribute to their experiences.

يهتم الباحثون النوعيون بكيفية تفسير الناس لتجاربهم ، وكيف يبنون الالماء المعنى الذي ينسبونه إلى تجاربهم .

November 2001 Circle of good of the control of the solices.
8

Researcher as Primary Instrument

A second characteristic of all forms of qualitative research is that the researcher is the primary instrument for data collection and analysis.

العن ان الاسان هو الاماة الماكى كيع العلوماك لا قو الاسان ملا منع العبال مقتلفة الروبون ما بعام عرى Since understanding is the goal of this research, the human instrument, which

is able to be immediately responsive and adaptive, would seem to be the ideal

means of collecting and analysing data.

Other advantages are that the researcher can expand his or her understanding through nonverbal as well as verbal communication, process information (data) immediately, clarify and summarize material, check with respondents for accuracy of interpretation.

من المزايا الأخرى أن الباحث يمكنه توسيع نطاق فهمه من خلال 🏿 التواصل غير اللفظى وكذلك اللفظى ، ومعالجة المعلومات (البيانات) على الفور ، وتوضيح وتلخيص المواد ، والتحقق من المستجيبين للتأكد من دقة التفسير

The process is inductive.....

Aims at analyzing ideas and formulation hypothesis

Qualitative Research

Quantitative Research

Aims at proving a hypothesis

ري ما احتنا بمعاهرة 3 انو المنوى ركو ن المكوين نظرة اما الكرين المراق المنات نظرة موجورة الكري المكات نظرة موجورة الما Deduction

- Often qualitative researchers undertake a qualitative study because there is a lack of theory or an existing theory fails to adequately explain a phenomenon.
- Another important characteristic of qualitative research is that the process is inductive; that is, researchers gather data to build concepts, hypotheses, or theories rather than deductively testing hypotheses as in quantitative research.
- Bits and pieces of information from interviews, observations, or documents are combined and ordered into larger themes as the researcher works from the particular to the general.

يتم دمج أجزاء وأجزاء

من المعلومات من المقابلات أو الملاحظات أو المستندات وترتيبها في موضوعات أكبر حيث يعمل الباحث من الخاص إلى العام.







observation



conclusion











theory

Rich Description of the end product

The product of a qualitative inquiry is richly descriptive.



- Words and pictures rather than numbers are used to convey what the researcher has learned about a phenomenon.
- In addition, data in the form of quotes from documents, field notes, and participant interviews, are always included in support of the findings of the study. These quotes contribute to the descriptive nature of qualitative research.

الإضافة إلى ذلك ، يتم دائمًا تضمين البيانات في شكل المنافة إلى ذلك ، يتم دائمًا تضمين البيانات في شكل

اقتباسات من المستندات والملاحظات الميدانية ومقابلات المشاركين لدعم نتائج الدراسة. تساهم هذه الاقتباسات في الطبيعة الوصفية للبحث النوعي 3.1. Theme one: Contribution of the organisation

The contribution of the organisation was identified by participants as important in inhibiting or facilitating their capacity to recognise and respond to the patient with sepsis. Participants highlighted that organisational factors were often related to processes and models of care, and that the availability of resources impacted on their ability to recognise and respond to the patient with sepsis. For example;

"You don't actually think really about the patient's well-being. You know they're unwell, but you don't um you're more interested and the pressures about the [patient] flow. The majority of our shift is all about flow, it's about flow of the inpatients by ambulance and looking at maybe it's because I have done a lot of BPIO [Business Practice Improvement Officer] stuff and NEAT [National Emergency Access Target] stuff I tend to look at the time a lot... From, a nursing point of view and it sounds really horrible to say out of my mouth, but I think that the patient comes second as the flow of the department comes first, which is against everything that you've trained for. It's so fast changing. You don't have the time and with flow your patients have been ripped out from under you and your getting new ones in. I just don't think that you've got time to fully assess them and work them up until the next one arrives". CN1

"Time constraints make nurses not have time to 'think' therefore being task orientated and less likely to recognise sepsis- not engaging your brain as much when you are busy, and task orientated. You write the observations down so all the boxes are ticked, patient can be moved into next area and so busy between different jobs that you are not actually thinking about what you are doing. You are not in a space to think as it is so fast". RN4

"When you are really busy you um, people go into auto pilot and then they're just as opposed to assessing what's actually on in their head they become more task orientated in saying ok this is what I need to do and they focus more on putting the dots on the lines on a piece of paper rather than what the dots on the lines actually mean". NGR

Example of findings in qualitative research- descriptive

Category	Description of the category	Barriers (B) and facilitators (F)	
Patient factors	Patient factors relate to patients' influence on patient	Patient interaction (B + F)	
	safety as perceived by the nurses	Patient engagement (F)	
Individual staff factors	Individual staff factors refer to various personal	Interest and knowledge (F)	
	characteristics of the nurses and other health care providers that the nurses perceived to influence patient safety	Skills and abilities (B + F)	
		Feelings (B)	
		Fallibility (B)	
Team factors	Team factors refer to various aspects of the interaction	Collaboration in multiprofessional teams (B+F)	
between nurses and other health care providers the nurses perceived to influence patient safety		Communication with colleagues (B + F)	
Task and technology factors	Task and technology factors concern workplace technologies and processes involved in storing and sharing of data, information and knowledge that the nurses perceived to influence patient safety	Collecting, storing and sharing patient safety-related data and information $(B+F)$	
		Medical records (B + F)	
	,	Incident reporting (B + F)	
		Computerized technology (B + F)	
		Written protocols (F)	
Work environment factors	Work environment factors relate to workplace	Structures and forums for learning from errors (B+F) $$	
	conditions that the nurses perceived to influence patient safety	Work schedule (B)	
		Staffing levels and competence mix (B+F)	
		Physical environment (B)	
Organizational and management factors		Leadership (B + F)	
	conditions of the health care organization (beyond the specific workplace in which the nurses work) that the nurses perceived to influence patient safety	Financial resources (B)	
Institutional context factors	Institutional context factors refer to conditions of the	Use of knowledge from external sources (B+F)	
	outer context of the health care organization that the nurses perceived to influence patient safety	Communication with people external to the workplace (B)	
	, and the same of the same of	Societal interest in patient safety (F)	

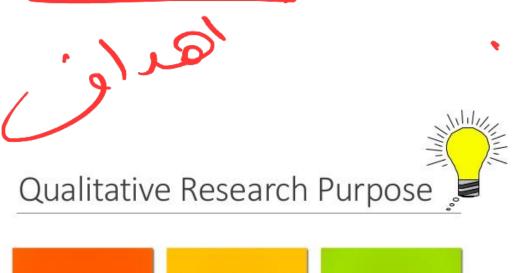
Example of findings in quantitative research Table 2

The correlation between dimensions of EBP perceived by nurses

dimensions	Practice		attitude		knowledge	
	coefficient	p	coefficient	p	coefficient	p
practice	1		0.222	0.004	0.734	<0.001
attitude			1		0.443	<0.001
knowledge					1	

p<0.01

PURPOSES OF QUALITATIVE RESEARCE





- Describe
- Understand
- ► Explain
- Identify
- Develop
- Generate





SDATA COLLECTION IN QUALITATIVE RESEARCH

ملاحظل Observations

Interviews

Documents review/analysis

كالل / مرامعة - الورادي-

QUALITATIVE DATA COLLECTION METHODS (CONT'D)

بلافظل

Observations, in which the researcher takes field notes on the activities and behaviour of the individuals at the research site. In these field notes, the researcher records in an unstructured or semi-structured way, activities at the research site.

Thea

Interviews, the research conducts face to face interviews with participants, interviews participants by telephone or engages in focus group interviews with six to eight interviewees in each group. These interviews involve generally open ended questions that are few in number and intended to elicit views and opinions from participants.

the researcher may collect documents, these may

Document review/analysis, the researcher may collect documents, these may be public documents (newspapers, reports)

(Creswell & Poth, 2007)

■ الملاحظات التي يدون فيها الباحث ملاحظات ميدانية عن أنشطة وسلوك الأفراد في موقع البحث. في هذه الملاحظات الميدانية ، يسجر الباحث بطريقة غير منظمة أو شبه منظمة ، الأنشطة في موقع البحث.

■ المقابلات ، يجري البحث مقابلات وجهًا لوجه مع المشاركين ، ومقابلات مع المشاركين عبر الهاتف أو يشارك في مقابلات جماعية مركزة مع ستة إلى ثمانية أشخاص من كل مجموعة. تتضمن هذه المقابلات عمومًا أسئلة مفتوحة تكون قليلة العدد وتهدف إلى استنباط أراء مآراء من المشاركين

🗖 مراجعة / تحليل الوثيقة ، يجوز للباحث جمع وثائق ، قد تكون

وثائق عامة (صحف ، تقارير)

QUALITATIVE DATA ANALYSIS

کہل صومو کر ► Thematic analysis.

It is not sharply divided from other activities such as collecting data.

Thematic Analysis

Peyrovi, H., Nikbakht Nasrabadi, A., & Valiee, S. (2016). Exploration of the barriers of reporting nursing errors in intensive care units: A qualitative study. *Journal of the Intensive Care Society*, 17(3), 215-221.

بيروفي ، هـ. ، نيكباخت نصرابادي ، أ. ، وفالي ، س. (2016). استكشاف معوقات التبليغ عن الأخطاء التمريضية بوحدات العناية المركزة: دراسة نوعية. مجلة جمعية العناية المركزة ، 17 (3) ، 215-221.

Results

In total, 16 registered nurses, 8 female and 8 male, were recruited to the study. Three participants held a master's degree, while 13 participants held a bachelor's degree in nursing. The participants' mean age was 32 years. The minimum and maximum general work experiences were 2 and 23 years, respectively, with a mean of 9.56 years. The participants in this research had between 1 and 12 years of working experience with a mean of 6.98 years at ICUs.

The qualitative analysis led to the emergence of four themes about the barriers to report nursing errors by nurses: (a) saving professional reputation and preventing stigma; (b) fear of consequences — punishment, legal problems and organisational misconduct; (c) feelings of insecurity — pointing a finger at nurses and lack of managerial support and (d) not investigating the root cause of error (Table 1).

Saving one's reputation

One of the important barriers to effective error reporting among critical care nurses was saving their reputation among their colleagues, physicians, managers, patients and families. The goal of saving the reputation was based on individual and professional aspects. On a personal level, nurses did not want to be stigmatised by others and they did not want to tarnish their professional reputation in the organisation.

Table 1. Summary of categories and subcategories.

Category	Subcategories
Saving one's reputation	Stigma Professional reputation
Fear of consequences	Punishment Legal problems Organisational misconduct
Feelings of insecurity	Pointing a finger at nurses Lack of managerial support
Not investigating the root cause of error	Lack of attention to the cause of the error Failure to follow the origin of error

Stigma. Stigma was mostly due to others' reactions. Participants were thinking that in providing an error report, the managers would attribute other problems of the patient to them.

In this regard, one of the participants stated that 'If you report an error and then something happens to the patient, there will be discussion for days that such a nurse makes mistakes. Then, if anything goes right, only the wrong things are thought about by others?' (Participant 1). Another participant also alluded to the issue: '... Projection means you see staff around yourself or doctors that relate everything to that error you made...' (Participant 14). Another participant alluded to stigma by saying that '... for example, I administer captopril rather than nitrocontin and I

Qualitative research process



- ▶ Justify significance of study and in the study
- Design study— Colla Basilian Collago C
- Identify and gain access to subjects
- Select study subjects and data (purposive sampling)
- ► Analyse data Shell Land
- Interpret results/conclusion

ember 2021 XX 1/5(1) ma - 5

بالنزالية مسة بدنا عارموع

مازيط وعجمعلومك منالبة

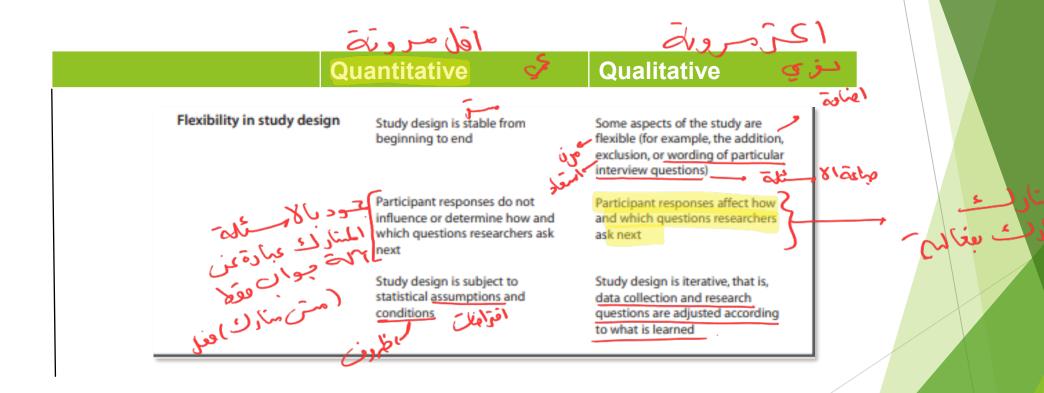
Qualitative research design

Est emergent

- Qualitative research design is emergent.
- ► The initial plan for research cannot be tightly prescribed, and that all phases of the process may change or shift after the researchers enter the field and begin to collect data.

لا يمكن تحديد الخطة الأولية للبحث بإحكام ، وأن جميع مراحل ₪ العملية قد تتغير أو تتغير بعد دخول الباحثين المجال والبدء في جمع البيانات

Quantitative Versus Qualitative (study design)



QUALITATIVE SAMPLING

Selection of a sample is a key element of a study design.

Usually non-probability (purposive) sampling. _____
(n on Randon)

Purposive sampling facilitates the selection of participants whose qualities or experiences are required for the study.

SNOVERED 20(21) PLOS - 10(1) CM (MS) EXSURED 22

RIGOUR OF QUALITATIVE RESEARCH

- Rigour refers to the quality of the research.
- Strategies that help in achieving rigour in qualitative research.
- 1. Clear descriptions of the sample necessary for the study to be meaningful.
- 2. An indication of how and why the sample was chosen.
 - 3. Engagement with others, such as multiple researchers, in order to code or discuss data widely.
 - 4. The use of quotations in the representation of data findings. Children 1988
 - 5. Triangulation (examining the phenomenon from different angles; measures, methods, researchers).

السَاسَ حسارَ سا

1. أوصاف واضحة للعينة لازمة للدراسة حتى تكون ذات مغزى.

2. بيان كيف ولماذا تم اختيار العينة.

3. الانخراط مع آخرين ، مثل العديد من الباحثين ، من أجل ترميز البيانات أو مناقشتها على نطاق واسع.

4. استخدام الاقتباسات في تمثيل نتائج البيانات.

5. التثليث (دراسة الظاهرة من زوايا مختلفة ؛ مقاييس ، طرق ،

TRUSTWORTHINESS OF QUALITATIVE RESEARCH

Trustworthiness refers to the assessment of the quality and worth of the complete study.

تشير المصداقية إلى تقييم جودة وقيمة الدراسة الكاملة

Help to determine how study findings reflect the aims of the study, according to the data provided by respondents.

November 2021

تساعد في تحديد كيف تعكس نتائج الدراسة أهداف الدراسة ، وفقًا الله المستجيبين المستحيبين المستحيب المستحيبين المستحيب المس



- ► The feasibility of research projects must be considered early on in the design phase of a study, in order to determine whether the research is likely to be successfully completed.
- Researchers need to consider staffing requirements for data collection, and analysis, as well as budget constraints, and required time frames.
- For example, asking a group of participants to complete a one hundred-page questionnaire survey or attend a two-day focus group meeting is unlikely to be considered feasible by most people.
- ► The scope of the project must also be feasible, with refinement of research questions to a focused topic.

LIMITATIONS OF QUALITATIVE RESEARCH

The main limitation of qualitative research is that their findings cannot be extended to wider populations with the same degree of certainty that quantitative analyses can (limited generalisability).

حدود البحث النوعي النوعي هو أن القيد الرئيسي للبحث النوعي هو أن لا يمكن توسيع نتائجهم لتشمل مجموعات سكانية أكبر بنفس درجة اليقين التى يمكن للتحليلات الكمية (قابلية تعميم محدودة).



موحی کرد کاسمک المانانو Research	
	examples of qualitative + quantitative
	->Purposes of Qualitative research -> *Describe * understand * Explain * Identify * Develop * Generate
	Data Collecteion 8 method observation Interview Document review/analysis — thematic analysis
	research process Placet topic and problem- problem identification. Justify significance of study Design study Identify and gain access to subjects
	Qualifative vestarch design (emerget) aignoral Colso Quanti- 2 objog
	$\frac{20300}{2000} \times 10^{-3} \times 10^{-3}$
	sampling — Sampling Samplin
	RiGor (Zäll) lyblas
	Whalips TRUST worth INSS / Feasibilty (a, hosets) / Limitation (limited generalisability)