

TOPIC 4.
**DIFFERENT WAYS TO
GATHER RESEARCH DATA**

How can CHWs collect data for PCOR studies

Ways to Gather Information/Data




Course Objective:

- ❖ Identify different types of data collection methods and the CHW's role in data collection in PCOR





Ways to Collect Information/Data

❖ Three types of **Methods**/Ways to Gather Data

<u>Qua</u> Ntitative	Qualitative	Mixed Methods
<p>"N" for Numbers</p> <ul style="list-style-type: none">■ Tests■ Counting■ Measuring	<p>"L" isn't "N"...</p> <p>Non-numerical</p> <ul style="list-style-type: none">■ Words/Texts■ Photos/Images■ Observations■ Conversations■ Recordings	<p>A Mixture of Both!</p>
		

Examples from Real World

Quantitative Methods	Mixed Methods	Qualitative Methods
<ul style="list-style-type: none">▪ U.S. Census▪ Signing Sheets▪ Budgets▪ Body measurements 	<ul style="list-style-type: none">▪ Both open- and closed-ended questions (Y/N)▪ Multiple forms of data drawing on all possibilities▪ Statistical and text analyses (numbers and words)▪ Several sources of data/information	<ul style="list-style-type: none">▪ To describe pain▪ TV shows/stories that demonstrate an issue in a community 

CHWs Collecting Qualitative and Quantitative Data for PCOR Studies

- ❖ When: At **individual health encounters** and at **group sessions**.
- ❖ **Encounter:** is a contact or interaction between a CHW and another person in the community on a research study, a health or social services issue.
- ❖ **Recording encounters** is one way to show the work that CHWs are doing as part of PCOR study. Written logs, clinic records & forms are frequently used.
- ❖ **Forms** are to be filled as instructed, filed, and safely kept. **Documentation!**



Observations

- ❖ Qualitative research at its most simple can take the form of **observation**.
- ❖ In observation, the researcher **simply observes the research matter and describes in detail the situation**. Can use diagrams, drawings and symbols to enhance the notes.
 - *Ex) A CHW observing how a person is able to brush his teeth in his daily routine as he recuperates after having a stroke*
 - *Ex) A CHW may watch a kid play and interact with other kids*
- ❖ Used when the researcher wants to **examine a subject in its natural environment or study naturally occurring behaviors**.
- ❖ CHW has to be very careful to **not introduce personal bias** into his observations, but describe the facts, as neutral as possible.



Key Individual Interviews

❖ the CHW asks open-ended questions and simply records what the participant says

- Ask What/When/How/Why Q's, allow patients to narrate their experience



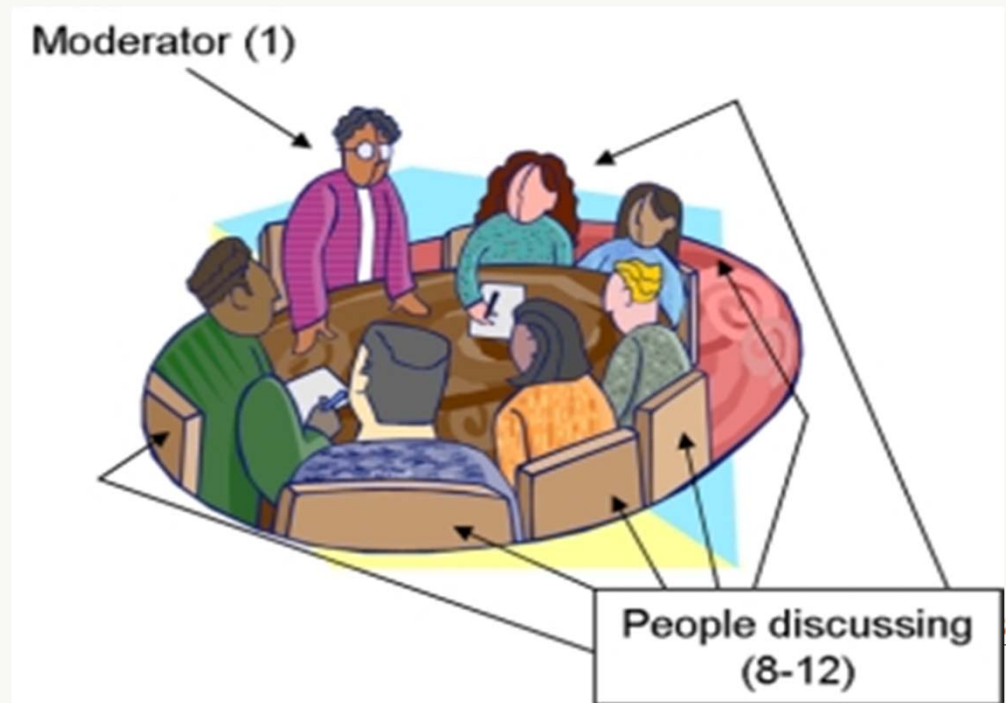
❖ **Personal bias** and other problems to avoid:

- the CHW may **react verbally or non verbally** to the patient's responses, encouraging or discouraging responses in a certain direction.
- The CHW has to be careful that he/she **does not** influence the patient with **personal opinions**.



Facilitating a Discussion: FGs & Group Education Sessions

- ❖ Several people are interviewed at once as a group to gain their opinions on a subject/situation/health condition.
- ❖ Be neutral; avoid influencing/sway group members.



Tips for Preparing and Conducting Focus Groups



- ❖ Clarify your goal/what you hope to learn.
- ❖ Find a notetaker; like minutes of a meeting.
- ❖ Decide on who should be invited.
- ❖ Decide on incentives (*money, food, gift certificates, raffles, public recognition, child care, free parking, etc.*)
- ❖ Decide on meeting particulars (*day, place, what time, how long, signage, seating, etc.*)
- ❖ Prepare your questions as a guide to the discussion.
- ❖ Conduct the session and summarize your findings.
- ❖ Share results.

Quantitative Ways to Collect Data

Information: Surveys

- ❖ May focus on opinions or may be based on information / facts depending on its purpose.

Strongly agree

Agree

Disagree

Strongly disagree

PAIN RATING SCALE

Mild Moderate Severe

0 2 4 6 8 10

Next pain Medication Time
(Próxima Hora de Medicina para el Dolor)

Goal
(Meta de Dolor)

YES **NO**

Please rate the company on the following attributes.

	Satisfied	Somewhat satisfied	Neutral	Somewhat dissatisfied	Dissatisfied
Friendliness of staff	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Knowledge of staff	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cost of services	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Quality of services	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Senior management	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pricing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Data Collection Methods

- ❖ Using your workbook/with your partner, define these **qualitative** and **quantitative** methods used in PCOR studies:
 - Observations
 - Surveys
 - Individual interviews of key informants
(patients, caregivers, family members)
 - Focus groups

Let's Take a Look

❖ Visit Checklist, Demographics, Medical History, Visit Process Flow, Study Completion

Visit Checklist - Sample

STUDY NAME	
Site Number: _____	Visit Date: ____/____/20____ <small>d d m m y y y y</small>
Pt_ID: _____	

1. Did the participant attend this visit? Yes (If yes, continue) No

2. Please check all assessments completed at this visit:

Visit Name: Baseline

Demographics	<input type="checkbox"/>
Medical History	<input type="checkbox"/>
Vital Signs	<input type="checkbox"/>
Physical Exam	<input type="checkbox"/>
Prior and Concomitant Medication	<input type="checkbox"/>
Inclusion/Exclusion Criteria	<input type="checkbox"/>
Randomization and Enrollment	<input type="checkbox"/>

3. Is the participant continuing in the study? Yes No

If no, remember to complete a STUDY COMPLETION form.

If yes, schedule next visit.

Comments:

Visit Checklist Version 1.0

Questions?



❖ Next topics:

- What is the process of informing the participants about their rights and risks associated with a study?
- How does a CHW track data and report data collected?
- How to report study results and to whom?