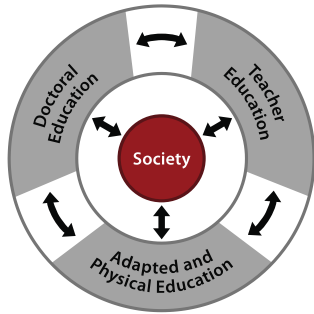




Quality Indicators of Rigor in Qualitative Methods

Physical Education Program



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Alignment

- **World view**
- **Research Questions**
- **Research Design**
- **Data Collection/Data Gathering**
- **Data Analysis**



Research Questions

- Purpose statement is clear and precise outlining the intent of the study
- Clear research questions that align with the world view and theory used as the lens for the study



Methods

- ✓ **Design**
- ✓ **Researcher subjectivity/Reflexivity**
- ✓ **Context/setting**
- ✓ **Participants**
- ✓ **Data Collection**
- ✓ **Data Analysis**
- ✓ **Trustworthiness**

Design

- ✓ **Interpretive**
- ✓ **Symbolic interactionism**
- ✓ **Ethnography**
- ✓ **Phenomenology**
- ✓ **Case study**
- ✓ **Auto-ethnography**
- ✓ **Grounded theory**



Researcher Subjectivity

- Ways that research is shaped by the particular perspectives, interests, and biography of the researcher.
- Reflect on how own biography and assumptions influence the entire research process
- Important to state this for the reader – help them to understand where you are coming from and what assumptions, experience, or influence you bring to the study

Context



- Detailed description of where the study took place. Help the reader understand the nature of the environment.
- Country, geographic region, Urban, suburban, rural
- Location – e.g. school, childcare, youth sport
- Other relevant information such as socio-cultural factors

Methods

Participants

- Detailed description of participants (age, gender, ethnicity, income level, sports experience, home environment etc)
- Description of characteristics relevant to study

Sampling

- What sampling procedures are used in the study
- Purposeful, case study, snowball, etc.

Data Collection

- What are the data collection tools?
- Do they align with the researchers' world view, research design, research questions?
- Discussed in sufficient detail to fully understand what happened, with whom, and when in terms of data collection
- Describe each data collection method in detail
 - How conducted
 - When collected
 - Who



Data Analysis

- Aligned with world view, theory, research design

Trustworthiness

- Credibility
- Transferability
- Dependability
- Confrimability

Trustworthiness

- **Credibility** (internal validity in Quantitative terms)
 - Data collection methods described in detail
 - Entre and time at site– includes prior to the study
 - Triangulation of data - how established
 - Rapport with participants allows for honest answers
 - Negative case analysis or disconfirming evidence
 - Peer debriefing
 - Member checking – transcripts and analysis
 - Researcher's reflexivity –
 - Researcher subjectivity

Trustworthiness

- **Transferability** (external validity/generalization)
 - Thick rich description of
 - context,
 - setting,
 - participants,
 - data collection methods,
 - timeline,
 - Interpretations
 - Data excerpts

Trustworthiness

- **Dependability** (reliability)
 - Research design and implementation – in detail what you did and when
 - Data gathering – what you did and when to collect the data
 - Reflective appraisal of study –

Trustworthiness

- **Confirmability** (objectivity)
 - Triangulation
 - Researcher subjectivity/reflexivity
 - Audit trail – trace the course of the research step by step – data collection, analysis, process, timeline etc



Thank You

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