

Development and testing of examination questions on Nursing Diagnoses

Aims

The purpose of this experiment was to investigate the validity of newly developed multiple-choice comprehension questions for the online course on the nursing process for nurses in different parts of the world.

Sample

51 Staff nurses of the Vikram Hospital Bangalore Karnataka, India.

142 bachelor students in nursing from Hanze University, Groningen, Netherlands

Method / Procedure

Participating in a 2h workshop related to Standardized Nursing Language by using the program content

Participants studied the program content (reading assignment)

Answering the multiple-choice questions after taking the workshop

(part one: n= 23, and part two: n= 21 questions, 1h)

Analysis to evaluate the questions' validity in terms of the questions match with the teaching content and of being understood by the participants.

The percentage of correctly answered questions among predetermined answers was evaluated, and qualitative comments recorded and summarized.

Outcomes & Results

Findings indicated the need for reconsidering five test questions of part one. Of part two, results indicated rewording six questions related to their content and vocabulary. A significant correlation was found between the self-perception of Dutch students' (n= 142) understanding of the English grammar and vocabulary of the test, and their achieved test results of part one of the test ($p= 0.007$), as well as in part two ($p= <0.001$).

Competencies / Learning goals for a Certification on using Nursing Diagnoses

After taking this online learning program, learners will be able to:

- Explain factors that influence accuracy of nurses' diagnoses
- Identify a variety of critical thinking processes
- Demonstrate accuracy of diagnosing human responses in case studies
- Identify appropriate NANDA-I diagnoses based on case studies
- Identify appropriate nursing-sensitive patient outcomes from the NOC related to nursing diagnoses in case studies
- Identify appropriate/effective nursing interventions from the NIC related to nursing diagnoses in case studies (teach AND test with interactive multiple choice questions)
- Develop a case study that illustrates accuracy of nursing diagnosis
- Describe the benefit of using standardized languages for nursing outcomes and interventions
- Identify contextual factors that foster the implementation and use of Ndx in clinical practice

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