Past Event: 2021 NCSBN REx-PN Conference **- The REx-PN Item Development Process Video Transcript**
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Event
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More info: https://www.ncsbn.org/16034.htm

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In addition, REx-PN items are reviewed by practicing nurses to determine whether the content is current practice. The REx-PN process includes item development, pool maintenance, and measurement. During the next few slides, I will share details about each process.

This is an overview of the activities and tasks that are completed during development, pool maintenance, and measurement. This graphic depicts the item development cycle. Note that it takes approximately 18 months to two years from the time an item is written to the time it becomes operational on the REx-PN exam.

Now let's take a closer look at each step included in the item development process. This diagram illustrates the steps you use in the development of the REx-PN exam. The REx-PN item development process is a multifaceted process adhering to standards outlined in professional test development.

The exam process starts at the top with nursing practice. Nursing practice provides the foundation for the REx-PN item development process by identifying activities that can be performed by an entry-level nurse. I'll briefly review each step within the item development process. The next step in the item development process is the practice analysis, which is like a job analysis where certain functions or activities of a job are assessed.

In this instance, the practice analysis is the study of the task performed in entry-level practical or vocational nursing practice. Ultimately, the practice analysis results guide the content distribution of the client needs categories noted in the REx-PN Test Plan.

The test plan includes content distribution information, REx-PN integrated processes, administration information, nursing content, examples with sample test items after each category, and principles of computerized adaptive testing. The results of the practice analysis directly influence the development of the REx-PN test plan.

The REx-PN Test Plan is updated every five years in conjunction with the practice analysis to reflect fair, comprehensive, current entry-level nursing competency. This ensures that the content on the exam is consistent with entry-level PN practice in British Columbia and Ontario.

The content distribution within the test plan is used to guide REx-PN content delivery during each exam. Essentially, the test plan links the nursing activities outlined in the practice analysis to specific REx-PN exam content. The test plan also serves as an excellent source for candidates preparing for the exam.

Now, let's discuss the item development process. The item development process includes item writing, item review, sensitivity review, differential item functioning review, and nursing regulatory body review. Our item development process includes item writers who write the test questions or items that are included on the REx-PN exam.

Our item reviewers review every item created by the writers. All REx-PN item development volunteers must have a current unencumbered nursing license in order to be considered for panel participation. Panelists are recruited to represent various are are[O)6(ur iW7n7re6()20(7W22 266.08o/8o/ 242.330.0000092 0 E,y, E,

Item reviewers differ in that they are required to work with precept and/or supervise entry-level nurses in a clinical setting for greater than eight hours per week. During item review panels, reviewers check exam items for content accuracy, current practice, connection to the test plan, and appropriateness for entry-level practice.

reference every REx-PN item. Second, the item reviewers and the nursing regulators will also alert us to any changes in nursing practice.

During this validation process, we can identify a change in practice or outdated content. Here are some common changes that can result in pool reviews. Change within healthcare guidelines and medication recall, device discontinuation, or change in public policy.

Here are a few examples of changes that have occurred during my 12 years in test development that required a pool review. Remember when CPR guidelines changed from ABC airway, breathing, and circulation to CAB circulation, airway, and breathing, that was a fun one. We reviewed and modified several items to ensure accuracy.

If an item is not consistent with current practice, or if clinical practice update is needed and identify, we take immediate corrective action. We mass-live [SP] items in the field to ensure that no candidate receives the item that contains the outdated content.

We perform a database search to ensure that items that contain the outdated content is not deployed on an exam. We revise the item and the item is returned to the beginning of the item development process. Then the item is included in pre-testing. In summary, the REx-PN item development process is a multi-step rigorous thorough process that relies heavily on volunteers.

This process is essential to the development of a psychometrically sound and legally defensible examination. The item validation process includes both internal referencing and item reviews by nurses who work directly with entry-level nurses. The accuracy of the exam is very important. We have immediate actions that we can take to maintain the accuracy of the exam.

Now that you have learned about the development of the REx-PN exam, we hope that you are inspired to join us as a volunteer. If you enjoy discussions about the nursing practice, want to contribute to the nursing profession, or would like to learn more about nursing from other nurses, then volunteer to develop REx-PN. Come on, we make it fun.

Thank you for your time and attention today.