PROMETRIC

2020 JOB ANALYSIS

EXECUTIVE SUMMARY

The Vascular Access Certification Corporation (VACC), an organization with the mission to "certify those professionals in healthcare and related disciplines working in the field of vascular access"[1] commissioned a job analysis study from Prometric for the Vascular Access Board Certified (VA-BC™) examination.

A job analysis is designed to obtain descriptive information about the tasks performed in a job and the knowledge needed to adequately perform those tasks. The purpose of this job analysis was to:

➢ develop and validate the listing of the tasks and knowledge related to work performed by vascular access professionals;

➢ develop test specifications for the VA-BC™ examination; and,

➢ obtain useful information that can guide educational and professional development initiatives.

Conduct of the Job Analysis

The job analysis consisted of several activities: collaboration with subject matter experts to ensure representativeness of the tasks and knowledge; survey development; survey dissemination; compilation of survey results; and test specifications development. The successful outcome of the job analysis depended on the excellent information provided by vascular access professionals in various phases of the study.

Survey Development

Survey research is an efficient and effective way to identify the tasks and knowledge that are important for vascular access professionals. The tasks and knowledge included on the survey covered four domains of practice. Development of the survey was based on a draft of task and knowledge statements developed from a variety of resources and refined by a committee of subject matter experts appointed by VACC.

Survey Content

The survey, disseminated in May and June 2020, consisted of five sections.

Survey Sections
Section 1: Background and General Information
Section 2: Tasks
Section 3: Knowledge
Section 4: Recommendation for Test Content
Section 5: Comments

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[1] https://www.vacert.org/about-us/ Retrieved on August 13, 2020

RESULTS

Survey Response Rate

The VA-BC[TM] job analysis survey was disseminated using an open participation link. A total of 990 surveys were submitted, 635 of which qualified for inclusion in the data analysis. Based on the analysis of the survey responses, a representative group of vascular access professionals completed the survey in sufficient numbers to meet the requirements for conducting statistical analysis. This is evidenced by review of the responses for each of the background and general information questions as well as confirmation by the Test Specifications Committee.

Survey Ratings

Participants were asked to rate the tasks and knowledge by the importance for a vascular access professional using a five-point scale (0 = Of no importance to 4 = Very important).

Content Coverage

Evidence was provided for the comprehensiveness of the content coverage within the domains. That is, if the tasks and knowledge within a domain are adequately defined, then it should be judged as being well covered. Most respondents indicated that the content within each task and knowledge domain was *well* or *very well* covered, thus supporting the comprehensiveness of the defined domains.

Test Specifications Development

In July 2020, a Test Specifications Committee convened to review the results of the job analysis and to create the test content outline that will guide the update of the VA-BC[TM] examination.

Summary

In summary, this study used a multi-method approach in identifying the tasks and knowledge that are important for competent performance by vascular access professionals. The job analysis process allowed for input from a representative group of vascular access professionals and other stakeholders and was conducted within the guidelines of professionally sound practice. The results of the job analysis can be used by VACC to develop the VA-BC[TM] examination and guide professional development initiatives.

RESULTS AT A GLANCE

WHO COMPLETED THE SURVEY
A total of 635 responses were used for analysis. The majority of respondents indicated working in a hospital. Most of the respondents are Registered Nurses.

TASKS IMPORTANCE RATINGS
All 61 task statements achieved high importance ratings. Respondents indicated that the survey covered the important tasks well or very well.

KNOWLEDGE IMPORTANCE RATINGS
All 52 knowledge statements achieved high importance ratings. Respondents indicated that the survey covered the important knowledge well or very well.