

Week 3**Chapter 6 Real World Case Study - pg. 105****1. What changes would be made to the job description of a transcriptionist to transition to an editor for transcribed reports?**

The focus from the transcriptionist position would include no longer transcribing the document for providers but instead the job would entail reviewing the dictation for any errors in the report that are created by speech recognition software. This would also include correcting the errors found in the report and would need to work with the providers if further clarification is needed for incorrect information.

2. What type of job re-training can be offered to transcriptionists whose positions are eliminated due to the implementation of voice recognition software?

Transcriptionist are usually very aware of medical terminology and how reports are written and where to locate items within those reports as they are transcribing them regularly. If they cannot move over to transcription editor a couple of other great areas is for clinical document improvement and working with providers and clinical staff on improvement of documentation. Coding is another position that transcriptionists could move over to as they are familiar with the reports and this could make coding from these reports easier with some training. Deficiency Analysis is another one that comes to mind. Reviewing documentation for completeness and accuracy and working with providers to ensure documentation is complete.

3. Develop a list of questions to be addressed at site visits to evaluate different voice recognition systems at various healthcare facilities.

Questions that come to mind are cost of the software, cost of maintenance and updates, cost of hardware needed to utilize the system and feasibility? How many words per minute can the software handle to make it easier for the provider to dictate continuously? Is there a separate dictionary built for the software to include the medical dictionary? Are acronyms available for use to make it easier for the providers? I would want to see the system used in real time and the entirety of the process to see if it fits the needs of the facility? I would like to talk with people who have used the software as well and get their impressions on the ease of the use of the software? What training is made available by the company and I would want to review the training material. Those are some of the areas that I would want to review.

Chapter 7 Real World Case Study – pg. 122**1. Identify and describe at least three new cardiac procedures that are projected to make a significant impact on the delivery of cardiac services in the next two decades**

- a) Transcatheter aortic valve replacement procedures are growing in popularity as it is a minimally invasive procedure that allows the replacement of the aortic valve due to aortic valve stenosis. This is projected to take the place of a good majority of open-heart procedures to fix this medical issue.
- b) Catheter procedures are being used more and more; one such example is in valve-in-valve procedure. This pertains to the replacement of heart valves and the use of bioprosthetic valves. The downside to this valve is that it may need to be replaced again but the use of a catheter procedure makes that less invasive.
- c) 3-D imaging as well as better overall imaging such a CT. As new technologies are implemented and expanded they are finding better ways to limit risk for patients to get accurate imaging that better prepares providers to complete cardiac procedures such as a TEE. The 3-D imaging creates a 3-D representation of the body part such as the heart so the surgeon can get a better view of the heart and the problem areas. One example could be if there is a mass on the heart. Where is it located? How complicated would it be to remove if it can be removed?

2. Identify and explain projected growth patterns in the US population in the over-50 age groups.

One of the largest reasons that the population of over-50 age groups will expand is due to the baby boomers. It is the time when the population grew exponentially. The newer generations are not procreating at the rates that the baby boomers were. Another huge impact is medical advancements. Through medical advancements and technological advancement people are living longer. The longer we can prolong life the more we will see the population grow for those over 50.

3. Identify and elaborate on the various types of medical/physician specialists, nursing personnel, occupational/physical/cardiac therapists, cardiac surgical/technical staff needed for services to be provided – both inpatient and outpatient.

Primary care physician can help in identifying health factors and risks that a patient may be at risk for heart disease and can start proactive medicine to help deter heart disease such as

the management of high blood pressure through medications. Monitoring those health factors and making the appropriate referrals can also be made by the primary care physician. Cardiologists can help in specifically diagnosing heart problems and then treat those heart conditions. Cardiac surgeons and Cardiothoracic surgeons can perform cardiac procedures to treat heart disease, provide cardiac interventions, and surgically solve heart problems. Nursing staff and nursing practitioners can perform some of the testing needed for cardiac care and provide education to patients in need of cardiac care and how to manage care. Physical and occupational therapists can also work hand in hand with dietitians to work on patients making health food choices, working with patients on moving and performing appropriate exercises and if patients have had surgery or procedures it is important to have rehabilitation to strengthen the body and get back to a normal functioning body. Pharmacists are important in dispensing medications to treat heart disease and ensuring medications don't interact. Then there is mental health, social workers, and case managers who can work with patients on coping with heart disease and the life changes that may need to take place. They can also help coordinate care and insurance coverage and services.