Course/Program Title: MAP 108 Medical Record Analysis & Coding

Date: 5/19/2014 SU13, FA13 and SP14 semesters

Course/Program Team: Melanie Rowland, Dana Shetler, Ellan Beard, Jamaica Wiley

Expected Learning Outcomes:

1. Utilize current ICD, CPT and HCPCS code books to accurately convert physician practice medical record source document information into codes for purposes of billing and reimbursement.
2. Utilize knowledge of concepts of medical necessity, correct coding initiative guidelines, and documentation requirements to develop accurate and appropriate coding for various clinical situations.
3. Apply knowledge of CMS reimbursement methodologies and documentation regulations to develop accurate and appropriate coding for various clinical situations.

Assessment

Course completion: Number passing at 75% or greater.

Course Outcomes: Common final exam for item analysis:

- CO1 Diabetic gangrene w/ amputation
- CO1 Temporary transvenous pacemaker
- CO1 History cancer; follow up colonoscopy
- CO2 Correct coding edits
- CO2 Coding error reduction
- CO2 UDDS definition
- CO3 Sepsis coding
- CO3 Evaluation & Management Coding
- CO3 Physician coding system CPT

Validation

Completion of course with an average grade of 75% or higher.

Course Outcomes:

Course outcome target final exam questions will be answered correctly by 75% of the students.
Results

Course Completion:

88% (57/65 students) completed the course with a grade of 75% or higher.
12% ( 8/65 students) did not complete the course with a grade higher than 75%. Of these, three were “walk away” F grades.

Course Outcomes:

| CO1 | Diabetic gangrene w/ amputation | 90% |
| CO1 | Temporary transvenous pacemaker | 87% |
| CO1 | History cancer; follow up colonoscopy | 55% |
| CO2 | Correct coding edits | 93% |
| CO2 | Coding error reduction | 37% |
| CO2 | UDDS definition | 87% |
| CO3 | Sepsis coding | 52% |
| CO3 | Evaluation & Management Coding | 71% |
| CO3 | Physician coding system CPT | 80% |

Follow-up

During the Spring 2014 semester, the HCC Coding and Reimbursement Certificate program converted to teaching the new ICD-10-CM coding system slated to go live in the USA 10/1/15. There were several challenges to this transition including code book problems and instructor learning curves for the new system. In general to improve results across all outcomes, code books with a different design layout are being ordered for the Fall 2014 semester.

To improve results for the course outcome 1 questions where students did not meet the target goal, more in class examples and exercises will be incorporated into class time.

To improve results for course outcome 2, correct coding edits, the federal whitepaper discussing the issue will be presented and discussed in class.

To improve the results for the course outcome 3 questions where students did not meet the target goal, more in class examples and exercises will be incorporated into class time.