Assurance of Student Learning 2018-2019	
College of Health and Human Services	Public Health
Health Informatics Certificate - 1740	

Use this page to list learning outcomes, measurements, and summarize results for your program. Detailed information must be completed in the subsequent pages.		
Student Learning Outcome 1: **Apply information technology to meet health care needs**		
Instrument 1	Direct: Development of pivot table in EHR Go Clinical Reminder Data Visualization V Assignment	
Instrument 2	Direct: Examination of data interoperability in Health Information Exchange Assignment	
Instrument 3	Direct: Demonstration of ability to navigate an electronic health record system in Introductory Evaluation Assignment	
Based on your results, circle or highlight whether the program met the goal Student Learning Outcome 1.	<mark>**Met**</mark>	**Not Met**
Student Learning Outcome 2: **Explore database management and analytics in order to manage health care clinical pathways, clinical outcomes, quality initiatives, and departmental and administrative workflow.**		
Instrument 1	Direct: Analysis of health data to identify trends in EHR Go Clinical Reminder Data Visualization V assignment	
Instrument 2	Direct: Recommendation of antibiotics based on analysis of clinical outcomes in EHR Go Orientation to Data Analytics I assignment	
Instrument 3		
Based on your results, circle or highlight whether the program met the goal Student Learning Outcome 2.	<mark>**Met**</mark>	**Not Met**
Student Learning Outcome 3:		
Instrument 1		
Instrument 2		
Instrument 3		
Based on your results, circle or highlight whether the program met the goal Student Learning Outcome 3.	**Met**	**Not Met**
Program Summary (**Briefly summarize the action and follow up items from your detailed responses on subsequent pages.**) The certificate program started in fall 2017 so this was the first group of students starting the certificate. Results from this assessment indicate that the mean scores for all SLOs have been met and the certificate program has reached and/or exceeded the self-reported assessment goals in each category. The certificate program will continue to be monitored as more students enroll in the certificate.		

Student Learning Outcome 1	
Student Learning Outcome	**Apply information technology to meet health care needs**
Measurement Instrument 1	**NOTE: Each student learning outcome should have at least one direct measure of student learning. Indirect measures are not required.** Direct measure of student learning outcome: Students were required in HIM 330 (Electronic Health Record Systems) course to generate a pivot table for "Colorectal Screen Status" in the EHR Go Clinical Reminder Data Visualization V assignment.
Criteria for Student Success	Students should at the end of the assignment correctly generate a pivot table of healthcare data.

Program Success Target for this Measurement	80%	Percent of Program Achieving Target	100%

Methods	Direct: (N=16) Assignments were collected from students. A portion of EHR Go Clinical Reminder Data Visualization V Assignment required students to generate a specific pivot table of healthcare data. This assignment element was graded for each student. Grading was based on whether the students were successful with creating the pivot table. Students either received full credit for this or they received no credit for this.
Measurement Instrument 2	Direct measure of student learning outcome: Students were required in HIM 330 (Electronic Health Record Systems) course assignment "Health Information Exchange" to evaluate an electronic health record for exchange of data between two organizations.
Criteria for Student Success	Students should at the end of the assignments receive a passing grade of 70% or higher for this assignment.

Program Success Target for this Measurement	80%	Percent of Program Achieving Target	100%

Methods	Direct measure of student learning outcome: (N=16) Assignments were collected form students. The assignment was graded for all elements contained within the assignment. The assessment involves a review and audit of the health information exchange (HIE) that exists between two service locations in a continuity of care record.
Measurement Instrument 3	Direct measure of student learning outcome: Students were required in HIM 330 (Electronic Health Record Systems) course assignment "Introductory Evaluation" to demonstrate competency in utilizing an electronic health record system.
Criteria for Student Success	Students should at the end of the assignments receive a passing grade of 70% or higher for this assignment.

Program Success Target for this Measurement	80%	Percent of Program Achieving Target	100%

Methods	Direct measure of student learning outcome: (N=16) Assignments were collected form students. The assignment was graded for all elements contained within the assignment. This assessment requires students to demonstrate the necessary skills and understanding to access an EHR system and identify and interpret patient data

Based on your results, circle or highlight whether the program met the goal Student Learning Outcome 1.	==**Met**==	**Not Met**

Actions: In fall 2019, course assignments were reviewed for appropriateness and content. All which were determined to be adequate.

Follow-Up (Provide your timeline for follow-up. If follow-up has occurred, describe how the actions above have resulted in program improvement.)

Continue to monitor outcomes in 2019-2020 and evaluate if different measurement instruments or outcomes might be appropriate, if program continues to meet all goals set.

Student Learning Outcome 2			
Student Learning Outcome	**Explore database management and analytics in order to manage health care clinical pathways, clinical outcomes, quality initiatives, and departmental and administrative workflow**		
Measurement Instrument 1	**Direct measure of student learning:** Students were required in the EHR Go Clinical Reminder Data Visualization V assignment to analyze a report "Clinical Reminder Data" and a pivot table to determine whether patients were current or overdue for colorectal cancer screening.		
Criteria for Student Success	Students should at the end of the assignment be able to correctly determine whether patients were current or overdue for colorectal cancer screening. Students had to correctly identify the total number of patients due or overview due for a colorectal cancer screening. A grade of 70% or higher should be achieved.		
Program Success Target for this Measurement	80%	**Percent of Program Achieving Target**	100%
Methods	Direct: (N=16) Assignments were collected from students. The specific element from the EHR Go Clinical Reminder Data Visualization V Assignment for correctly identifying the total number of patients due or overview due for a colorectal cancer screening was graded for accuracy for each student.		
Measurement Instrument 2	**Direct measure of student learning:** Students were required in the EHR Go Orientation to Data Analytics I assignment to recommend antibiotics based on analysis of those most effective.		
Criteria for Student Success	Students should at the end of the assignment be able to appropriately recommend antibiotics based on analysis of those most effective in certain situations. A grade of 70% or higher should be achieved.		
Program Success Target for this Measurement	**80**	**Percent of Program Achieving Target**	88%
Methods	Direct: (N=17) Assignments were collected from students. The specific element from the EHR Go Orientation to Data Analytics I Assignment for recommending appropriate antibiotics based on analysis of those most effective in certain situations was graded for appropriateness for each student.		
Measurement Instrument 3	**Direct measure of student learning:**		
Criteria for Student Success			
Program Success Target for this Measurement		**Percent of Program Achieving Target**	
Methods			
Based on your results, circle or highlight whether the program met the goal Student Learning Outcome 2.		<mark>Met</mark>	Not Met
Actions (Describe the decision-making process and actions planned for program improvement. The actions should include a timeline.)			
In fall 2019, course assignments were reviewed for appropriateness and content. Both which were determined to be adequate.			
Follow-Up			
None at this time.			