2009 Report of Current Status for an Education Program
in
Emergency Medical Technician-Paramedic
at
Imperial Valley Community College
CoA Program Reference:600134

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Pioneers Memorial Healthcare District - Clinical Affiliate - Brawley, CA
Gold Cross Ambulance Service - Clinical Affiliate - El Centro, CA
Calexico Fire Department - Clinical Affiliate - Calexico, CA

Satellites

Examination Results

Evaluation System: National Registry Written

Analysis: The graduating class of 2009 at IVC had 13 graduates all of whom have taken the National Registry exam. First attempt passer were 7 (54%) and in subsequent attempts 3 more have thus far passed the National Registry Exam for a total of 77% for this class. The three that have not passed can still make attempts to pass and are attending a paramedic refresher course and using online practice sites to improve thier chance of success.

Action: The program will attempt to contact those students who have not passed retaking the exam and offer to provide assistance with a refresher course for those who are interested.

The next class will be expected to use an online test practice site that will be included in their curriculum and is offered from the publisher of the textbooks we use in our program.

Evaluation System: National Registry Practical

Analysis: 12 of 13 students have taken and passed the National Registry Practical Skills Exam (92%). The student who has not passed has not yet retaken the exam but is eligible to retake.

Action: Program instructors will help the student who didn't pass the practical exam to refresh on the skills before the next attempt.

Evaluation System: Comprehensive Final Written

Analysis: Final Comprehensive Written Exam results at 100%

Action: No Action necessary, will continue to compare these results with the results of the National Registry Computer Based Exam results to determine if a correlation exists & to identify areas of weakness. The program will continue to monitor the student's performance in this area.

Evaluation System: Comprehensive Final Practical

Analysis: Final Practical Exam at 100%

Action: No Action necessary, will continue to compare these results with the results of the National Registry Practical Exam results to determine if a correlation exists & to identify areas of weakness. The program will continue to monitor the student's performance in this area.

Evaluation System: State Exam Written

Analysis: Not applicable

Action: Not appliocable

Evaluation System: State Exam Practical

Analysis: Not applicable

Action: Not applicable

Surveys - Cognitive Domain

Evaluation System: Employer Surveys - Cognitive

Cut Score:

Analysis: Only one employer has responded to our requests for a response. We sent the survey out twice due to the poor response but still have only had one response.

The single employer who did respond stated that the employee has not had any "major

problems." He gave positive remarks to all questions asked regarding the cognitive domain.

Action: We will further encourage students and employers to submit their results and ammend the report if we are successful .

Evaluation System: Graduate Survey - Cognitive

Cut Score:

Analysis: All of the graduates that responded to the survey and rated their cognitive performance at or above the cut score of "3" on a 5 point Likert scale.

Comments were instructive to the Program Director who will implement some of the ideas that the student mentioned. One student (who has not yet passed his National Registry Exam) expressed the opinion that our program was "more focused on our local protocols than the National Registry requirements"

One graduate stated that while he was pleased with the education he received he felt that at times the materials were somewhat boring.

Action: Our program will include a mandatory online program of practice computer tests in the next class.

The program curriculum currently is teaching from the US Department of Transportation National Standard Curriculum but is being updated to the 2009 National EMS Education Standards which are somewhat broader in scope. The Current textbooks will not be updated in time for the next class but we will begin teaching the new standards in the next class. Appropriate handout materials will be provided to students with the new materials. (pending approval of the College's Curriculum Committee and the Program Medical Director.)

The plan for the next class is to include more content experts to bring some variety into the classroom. Materials are being developed to be more interesting to the class. We will be using electronic classroom quizzes (clickers) for the first ime in the next class.

A website for the program is also being developed for our students so that they have access to learning materials on line.

Surveys - Psychomotor Domain

Evaluation System: Employer Surveys - Psychomotor

Cut Score:

Analysis: Only one employer has responded to our requests for a response. We sent the survey out twice due to the poor response but still have only had one response.

The single employer who did respond had generally positive remarks in the psychomotor domain. He stated the employee had excellent skills thus far.

Action: We will further encourage students and employers to submit their results and ammend the report if we are successful .

Evaluation System: Graduate Survey - Psychomotor

Cut Score:

Analysis: All of the graduates that responded to the survey rated their psychomotor performance at or above the cut score of "3" on a 5 point Likert scale.

There were comments by students that they felt that we needed to increase skills practice time.

One student commented that he didn't learn two skills which are relatively new to paramedics in California and for protocols are currently being written for our county. These skills (The use of Continuous Positive Airway Pressure and EZ intraosseous drill) are just being added to the paramedic protocols and will be taught to the next class.

Another student felt that students should "forced" to ride along with EMS providers during all sections of the program.

One student felt that we neede to improve our equipment.

Action: We have changed the start date to begin in the spring semester to have students in the field during the peak call season (fall and winter) This will increase the call volume for the students and is more conducive to learning because it isn't as hot as the summer in the desert.

Students in the next class will be mandated to use skills practice time productively.

The college recently purchased ALS simulation manikins for the paramedic program to replace worn equipment that was less effective in teaching.

We have purchased a simulation computer program and scenario software for our students as well which the students will be given access to.

Surveys - Affective Domain

Evaluation System: Employer Surveys - Affective

Cut Score:

Analysis: Only one employer has responded to our requests for a response. We sent the survey out twice due to the poor response but still have only had one response.

The employer that respond to our survey gave all positive remarks except in one area and that was in answer to the question about the "employee arriving at work prepared and on time." He stated in a comment that the graduate was "always professional but is late from time to time."

Action: We will encourage the graduates to ask their employers to complete the survey so that we have information from both graduates and employers to help us improve our program.

In the next class we will mak sure that students are held to strict standards for attendance and explain thoroughly the reason why we have such standards in th eprofessional world.

Evaluation System: Graduate Survey - Affective

Cut Score:

Analysis: All graduates returning surveys rated their performance in the Affective Domain at or above a "3" on a 5 point Likert Scale. No commentws for improvement were given by the graduates.

Action: The program has produced a handbook with the program syllabus, rules and expectations of the paramedic interns very clearly delineated. The program will adhere to the standards of conduct in all areas. While students will be given every opportunity to learn and grow, we will apply the standards we have set to every student.

Measurable Student Learning Objectives will be explained to students in each course of our program. We will use all of our available resources to encourage paramedic interns to be professional in the program and assist them in any way possible to achieve their goals and to have positive learning experience.

Attrition / Retention

Evaluation System: Attrition / Retention

Analysis: Attrition average for 3 years is 14.93%, and retention average is 85.07%, above the threshold of 70%. Reasons stated by the students for their withdrawal included the intensity of the program, financial issues, & family/personal issues that were difficult to overcome. Work/career demands are also a problem for some students.

Action: The program will continue to monitor early detection with early interventions, remediation, & tutoring. The program will continue to track student work hours versus success in the program.

Positive Placement

Evaluation System: Positive Placement

Analysis: Most graduates have been employed within 3 months of graduation. Some students who commuted from outside of our county top attend our program have returned to work here because they were unable to find full-time employment in their own community. Two graduates have not yet been employed but have applied for employment in their community and ours.

Action: No deficiencies noted at this time. The program will continue to monitor job placement rate of graduates upon completion of the program.

Current Program Statistics

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Program Enrollment and Attrition Table with Current and Past Five Years' Data(if available):

Enrollment Year	Enrollment Date	Graduation Date	Estimated Number of Applicants	Maximum Number of Students	Number Initially Enrolled	Number Enrolled After Class Start	Total Enrollment Number	'In Progress' To-Date	Non-Academic Attrition	General Education Courses Attrition	Professional Courses Attrition	Attrition	Percent Retention	# Grads to Date
2008	8/25/2008	7/31/2009	18	20	16	0	16	0	1	0	2	3	81.3 %	13
2007	8/20/2007	7/31/2008	18	20	15	0	15	0	0	0	2	2	86.7 %	13
2006	8/21/2006	7/13/2007	20	20	14	0	14	0	0	0	2	2	85.7 %	12
2005	8/22/2005	7/28/2006	75	22	22	0	22	10	0	0	0	0	100.0 %	12
2004	8/18/2004	6/25/2005	100	23	22	1	23	-1	2	0	3	5	78.3 %	19
2003	8/18/2003	6/24/2004	100	21	21	1	22	-1	1	0	4	5	77.3 %	18
2002	8/19/2002	7/10/2003	65	23	23	1	24	-1	3	0	5	8	66.7 %	17
2001	8/20/2001	6/22/2002	50	23	23	0	23	-5	2	0	10	12	47.8 %	16
2000	8/21/2000	7/14/2001	45	23	23	0	23	4	0	0	0	0	100.0 %	19

Graduates by Enrollment Cohort

			Graduated in (year)								
Enrollment Year	Enrollment Date	On-time Graduation Date	2009	2008	2007	2006	2005	2004	2003	2002	# Grads to Date
2008	8/25/2008	7/31/2009	13								13
2007	8/20/2007	7/31/2008		13							13
2006	8/21/2006	7/13/2007			12						12
2005	8/22/2005	7/28/2006				12					12
2004	8/18/2004	6/25/2005					19				19
2003	8/18/2003	6/24/2004						18			18
2002	8/19/2002	7/10/2003							17		17
2001	8/20/2001	6/22/2002								16	16
2000	8/21/2000	7/14/2001									19
		Total Graduates by Year =	13	13	12	12	19	18	17	16	139

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Outcomes Summary

	Graduation Year. Class of...										
	2009	2008	2007	2006	2005	2004	2003	2002	Threshold	3 yr Total 2008 to 2006	5 yr Total 2008 to 2004
Graduates	13	13	12	12	19	18	17	16		37	74
Outcomes Assessments										3 yr Avg 2008 to 2006	5 yr Avg 2008 to 2004
Attrition	18.8 %	13.3 %	14.3 %	0.0 %	21.7 %	22.7 %	33.3 %	52.2 %		7.8 %	14.6 %
Retention	81.3 %	86.7 %	85.7 %	100.0 %	78.3 %	77.3 %	66.7 %	47.8 %	70%	92.2 %	85.4 %
Positive Placement	100.0 %	100.0 %	100.0 %	158.3 %	94.7 %	94.4 %	94.1 %	68.8 %	70 %	118.9 %	106.8 %
National Registry Written - % of grads Attempting	100.0 %	100.0 %	100.0 %	158.3 %	94.7 %	94.4 %	94.1 %	68.8 %	70 %		
National Registry Written - Pass Rate - Success	76.9 %	69.2 %	91.7 %	94.7 %	100.0 %	100.0 %	100.0 %	100.0 %	70 %	86.4 %	92.4 %
National Registry Practical - % of grads Attempting	100.0 %	100.0 %	100.0 %	158.3 %	94.7 %	94.4 %	94.1 %	68.8 %	70 %		
National Registry Practical - Pass Rate - Success	92.3 %	61.5 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	70 %	88.6 %	93.7 %
Comprehensive Final Written - % of grads Attempting	107.7 %	100.0 %	116.7 %	158.3 %	94.7 %	94.4 %	94.1 %	68.8 %	70 %		
Comprehensive Final Written - Pass Rate - Success	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	70 %	100.0 %	100.0 %
Comprehensive Final Practical - % of grads Attempting	0.0 %	100.0 %	116.7 %	158.3 %	94.7 %	94.4 %	94.1 %	68.8 %	70 %		
Comprehensive Final Practical - Pass Rate - Success	0.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	70 %	100.0 %	100.0 %
State Exam Written - % of grads Attempting	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	70 %		
State Exam Written - Pass Rate - Success	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	70 %	0.0 %	0.0 %
State Exam Practical - % of grads Attempting	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	70 %		
State Exam Practical - Pass Rate - Success	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	70 %	0.0 %	0.0 %
Employer Survey - % returned	9.1 %	23.1 %	50.0 %	47.4 %	55.6 %	0.0 %	0.0 %	0.0 %	50 %	40.9 %	35.4 %
Employer Survey - Cognitive - Success	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	0.0 %	0.0 %	0.0 %	100.0 %		
Employer Survey - Psychomotor - Success	100.0 %	100.0 %	100.0 %	100.0 %	100.0 %	0.0 %	0.0 %	0.0 %	100.0 %		
Employer Survey - Affective - Success	85.7 %	100.0 %	100.0 %	100.0 %	100.0 %	0.0 %	0.0 %	0.0 %	100.0 %		
Graduate Survey - % returned	69.2 %	15.4 %	100.0 %	158.3 %	0.0 %	0.0 %	0.0 %	0.0 %	50 %	89.2 %	44.6 %

	Graduation Year. Class of...										
Graduate Survey - Cognitive - Success	100.0 %	100.0 %	100.0 %	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %		
Graduate Survey - Psychomotor - Success	100.0 %	100.0 %	100.0 %	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %		
Graduate Survey - Affective - Success	100.0 %	100.0 %	100.0 %	100.0 %	0.0 %	0.0 %	0.0 %	0.0 %	100.0 %		

	Enrollment Year										
Enrollment	2009	2008	2007	2006	2005	2004	2003	2002	Threshold	3 yr Total 2008 to 2006	5 yr Total 2008 to 2004
Enrollment	0	16	15	14	22	23	22	24		45	90