

2012 Report of Current Status for an Education Program

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**Respiratory Therapy - Advanced Level
at Skyline College
CoARC Program Reference: 200147**

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Annual Report submitted by on

Sponsoring Institution and Personnel

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Institution Type: Community College or Junior College

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Affiliates

California Pacific Medical Center - Clinical Affiliate - San Francisco, California
St. Luke's Hospital - Clinical Affiliate - San Francisco, California
San Francisco General Hospital - Clinical Affiliate - San Francisco, California
Veteran Affairs San Francisco - Clinical Affiliate - San Francisco, California
St. Francis Hospital - Clinical Affiliate - San Francisco, California
University of California San Francisco - Clinical Affiliate - San Francisco, California
Kaiser Permanente San Francisco - Clinical Affiliate - San Francisco, California
Seton Hospital - Clinical Affiliate - Daly City, California
Mills-Peninsula Health Services - Clinical Affiliate - Burlingame, California
San Mateo General Hospital - Clinical Affiliate - San Francisco, California
Stanford Hospital - Clinical Affiliate - Palo Alto, California

Current Program Statistics

CoARC Reference: 200147

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	Academic Attrition	Total Attrition	Percent Attrition	# Grads to Date
2002	08/22/2002	06/18/2004	15	25	10	0	10	0	2	0	2	20.0 %	7
2003	08/20/2003	06/17/2005	40	25	25	0	25	0	1	0	1	4.0 %	20
2004	08/19/2004	06/23/2006	65	26	26	0	26	0	4	0	4	15.4 %	22
2005	08/17/2005	06/22/2007	95	29	29	0	29	0	2	0	2	6.9 %	25
2006	08/21/2006	06/27/2008	80	24	24	1	25	0	0	0	0	0.0 %	21
2007	08/14/2007	06/19/2009	85	25	25	0	25	0	2	0	2	8.0 %	23
2008	08/14/2008	06/25/2010	105	25	24	0	24	0	1	3	4	16.7 %	20
2009	08/19/2009	06/23/2011	110	25	24	0	24	0	2	1	3	12.5 %	21
2010	08/16/2010	06/22/2012	130	25	24	0	24	1	1	2	3	12.5 %	20
2011	08/16/2011	06/21/2013	120	25	24	0	24	23	1	0	1	4.2 %	0

Graduates by Enrollment Cohort

Enrollment Year	Enrollment Date	On-Time Graduation Date	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	# Grads to Date
2002	08/22/2002	06/18/2004								1	6		7
2003	08/20/2003	06/17/2005								20			20
2004	08/19/2004	06/23/2006						1	21				22
2005	08/17/2005	06/22/2007						25					25
2006	08/21/2006	06/27/2008					21						21
2007	08/14/2007	06/19/2009			5	18							23
2008	08/14/2008	06/25/2010		1	19								20
2009	08/19/2009	06/23/2011	3	18									21
2010	08/16/2010	06/22/2012	20										20
2011	08/16/2011	06/21/2013											0

Outcomes

Evaluation System: NBRC CRT Credentialing

Cut Score: 80 %

Analysis: The program's attempt and success rates for the NBRC entry level CRT exam continues to remain well above the CoARC threshold levels.

Action: No action is required at this time.

Evaluation System: NBRC RRT Credentialing

Cut Score: N/A

Comments: Students continue to pass the written and clinical simulation and obtain their RRT at a high percentage. Most employers currently require a minimum of RRT upon employment or within a year of employment.

Evaluation System: Attrition/Retention

Analysis: The attrition rate continues to be well below the CoARC threshold. This continues to be due to a large applicant pool and students preparing earlier to enter the program (i.e. completing general education before entering). Program faculty connect with counselors and science course faculty to share information regarding entrance requirements. This helps to better prepare students for program entrance. Faculty work with students in the first semester to identify student support to improve success for higher risk students.

Action: Continue successful efforts for effective program visibility to help maintain a large applicant pool from which to draw students.

Evaluation System: Positive Placement

Analysis: Positive placement for employment continues to be well above the threshold. The employment market continues to be competitive for graduates in the face of a flat downturned economy. Most graduates have found employment and few are finding difficulty to be gainfully employed in the area.

Action: Program faculty maintain strong employer connections throughout the bay area to identify job placement opportunities for unemployed graduates. The program conducts a bay area human resource survey yearly to identify and meet workforce needs.

Evaluation System: Overall Employer Satisfaction

Cut Score: 80 %

Analysis: Knowledge base and psychomotor skills rated at 3 or above with most ratings at 4 and 5 indicating high satisfaction by employers.

Action: No action at this time. Will continue to monitor.

Evaluation System: Overall Graduate Satisfaction

Cut Score: 80 %

Analysis: Graduates rated this domain at 3 or above indicating satisfaction with their level of knowledge and application, and evaluation skills. Graduate ratings continue to be 3 or higher for this domain and clinical and internship experiences continue to meet student needs for success.

Graduates rate knowledge base, competence and clinical and internship experiences at a rating of 3 or above (most at 4 or 5 rating) indicating a high level of satisfaction in all domain areas.

Action: No action at this time. Will continue to monitor.

Evaluation System: On-Time Graduation Rate

Analysis: On time graduation rate at 86% for 2011 and 100% for 2012. Students who "stop out" work with program faculty to create education plan to improve success.

Action: Faculty continue to work with students who "stop out" to improve success upon re-entrance to program in following year.

Outcomes Summary

Calculation	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	Total
Graduates	23	19	24	18	21	26	21	21	6	0	179

Calculation	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	Threshold	Current period year ave. 2011 - 2009	Last period year ave. 2010 - 2008	Previous period year ave. 2009 - 2007
Attrition †	N/A	4.2%	12.5%	12.5%	16.7%	8.0%	0.0%	6.9%	15.4%	4.0%	40 ‡	9.7 %	13.9 %	12.3 %
Positive Placement	0.0 %	84.2 %	91.7 %	94.4 %	95.2 %	100.0 %	90.5 %	90.5 %	100.0 %	N/A	70	90.2 %	93.7 %	96.9 %
CRT Credentialing Success	4.3 %	100.0 %	95.8 %	94.4 %	100.0 %	100.0 %	90.5 %	90.5 %	100.0 %	N/A	80	96.7 %	96.8 %	98.5 %
RRT Credentialing Success	0.0 %	94.7 %	79.2 %	83.3 %	95.2 %	88.5 %	85.7 %	76.2 %	83.3 %	N/A	N/A	85.2 %	85.7 %	89.2 %
Overall Employer Satisfaction	N/A	100.0 %	100.0 %	100.0 %	100.0 %	N/A	N/A	N/A	N/A	N/A	80	100.0 %	100.0 %	100.0 %
Overall Graduate Satisfaction	N/A	100.0 %	100.0 %	100.0 %	100.0 %	N/A	N/A	N/A	N/A	N/A	80	100.0 %	100.0 %	100.0 %
On-Time Graduation Rate	100.0%	85.7%	95.0%	78.3%	84.0%	92.6%	95.5%	83.3%	75.0%	N/A	N/A	85.9 %	85.3 %	85.3 %

† - This row is based on enrollment date, not graduation date.

‡ - The threshold for this item is reversed. Below 40% meets the Threshold.

Note: Any missing data is marked as N/A.

Calculation	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	Total
Enrollment	0	24	24	24	24	25	25	29	26	25	226

RAM Summary

	Purpose(s)	Measurement System	Date(s) of Measurement	Results and Analysis	Action Plan and Follow-Up/Reassessment
Personnel Resources	To ensure the program has sufficient number of effective laboratory, classroom, and clinical instructors. (2.02/2.15/2.16)	1) Student resource surveys 2) Personnel resource surveys	1) June 2012 2) June 2012	1) All students (n=42) rated the number of faculty and their effectiveness in the classroom, laboratory, clinical setting at 3 or higher (4.8 average). 2) All AC members/MD (n=12) rated the number and effectiveness in the classroom, laboratory, clinical setting at 3 or higher (4.75 average).	Increased support personnel has improved laboratory instruction. Maintain and monitor overall plan. Reasses via SPRS and PPRS next June.
Facilities	To provide adequate classroom, laboratory and accommodations to ensure effective instruction. (2.01)	1) Student resource surveys 2) Personnel resource surveys	1) June 2012 2) June 2012	1) All students (n=42) rated facilities at 3 or higher (4.8 average). 2) All AC members/MD (n=12) rated facilities at 3 or higher (4.8 average).	Facilities are new (3 years) and meet the needs of program instruction. Reasses SPRS and PPRS next June.
Laboratory Equipment & Supplies	To provide students with the equipment and exercises that will adequately prepare them for clinical practice. (2.01)	1) Student resource surveys 2) Personnel resource surveys	1) June 2012 2) June 2012	1) All students (n=42) rated lab equipment & supplies at 3 or higher (4.6 average). 2) All AC members/MD (n=12) rated lab equipment at 3 or higher (4.46 average).	Continue to solicit vendors of respiratory care equipment regarding donation of supplies/equipment to program (ongoing - Clinical Director). State budget continues to be tight. No significant equipment was purchased for the 11/12 academic year. Equipment requests have been submitted to the Dean and have been added to division requests. These will be considered in priority with other programs. Reasses SPRS and PPRS next June.
Learning Resources	To support student needs for supplemental reading, electronic and print reference materials, and research and computer resources. (2.01)	1) Student resource surveys 2) Personnel resource surveys	1) June 2012 1) June 2012	1) All students (n=42) rated learning resources at 3 or higher (4.7 average). 2) All AC members/MD (n=12) rated learning resources at 3 or higher (4.7 average).	Upgrades to CRT/RRT preparation software have been purchased for students to use in labs. Continue to make available software/multimedia resources in Health Center Computer Lab. Review current software/multimedia resources and update as necessary. (Ongoing - Program Director). Reasses SPRS and PPRS next June.
Instructional/Program Support Resources	To provide student instructional support and other academic support for the program. To provide administrative, clerical support for the program. (2.02/2.17)	1) Student resource surveys 2) Personnel resource surveys	1) June 2012 2) June 2012	1) All students (n=42) rated instructional support/services at 3 or higher (4.5 average). 2) All AC members/MD (n=12) rated administrative and clerical support at 3 or higher (4.5 average).	Continue to utilize support provided through division office. Reasses instructional support/services and administrative/clerical support via SPRS and PPRS next June.
Clinical Resources	To provide a sufficient variety of tasks and procedures for instruction to allow for student mastery of the program's required clinical competencies. (2.01)	1) Student resource surveys 2) Personnel resource surveys	1) June 2012 2) June 2012	1) All students (n=42) rated clinical resources at 3 or higher (4.7 average). 2) All AC members/MD (n=12) rated clinical resources at 3 or higher (4.75 average).	Program and clinical faculty continue to collaborate to assess, seek and provide clinical opportunities during the clinical phase of the program. Reasses SPRS and PPRS next June.
Medical Director	To provide effective medical direction/administration for the program to insure that current standards of medical practice are met. (2.14)	1) Student resource surveys 2) Personnel resource surveys	1) June 2012 2) June 2012	1) All students (n=42) rated medical director at 3 or higher (4.7 average). 2) All AC members/MD (n=12) rated medical director at 3 or higher (4.2 average). Medical Director continues to be highly engaged in various aspects of the program.	Continue collaboration with Medical Director to ensure current standards of medical practice are met and provide high level of engagement with students (ongoing - Program Director, Clinical Director, Medical Director). Reasses SPRS and PPRS next June.
Physician Interaction	To ensure that program graduates can communicate and work effectively with physicians in a confident and professional manner. (2.14)	1) Student resource surveys 2) Personnel resource surveys	1) June 2012 2) June 2012	1) All students (n=42) rated physician interaction at 3 or higher (4.7 average). 2) All AC members (n=12) rated physician interaction at 3 or higher (4.4 average).	Continue to increase physician presence by having clinical affiliate physicians address the students while in the classroom / clinical setting on various aspects of respiratory care (Ongoing - Clinical Director). Reasses SPRS and PPRS next June.

	Purpose(s)	Measurement System	Date(s) of Measurement	Results and Analysis	Action Plan and Follow-Up/Reassessment
Financial Resources	To provide adequate fiscal support for the retention of personnel and the acquisition and maintenance of equipment and supplies. (2.01)	1) Budget review 2) Personnel resource surveys 3) Advisory Minutes	1) June 2012 2) June 2012 3) Quarterly	1) Operating and personnel budgets continue to bereduced due to California state budget deficits. The San Mateo County voters approved a parcel tax which will backfill most of the reduction through 2014. 2) All AC members/MD (n=12) rated financial resources at 3 or higher (4.25 average). 3) Program and district budget information continues to be shared at quarterly meetings.	Detailed budget reports continue to be shared and explained at advisory board meetings (Ongoing - Program Director, Advisory Chair). Program and Clinical Director will continue to advocate program needs to division Dean. Reassess SPRS and PPRS next June.