

# COMPREHENSIVE INSTRUCTIONAL PROGRAM REVIEW

## Dental Hygiene Program Moreno Valley College Round 3: 2011-2014



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### Submitted

2011

Web Resources:

<http://www.rccd.edu/administration/educationalservices/ieffectiveness/Pages/ProgramReview.aspx>

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**COMPREHENSIVE INSTRUCTIONAL PROGRAM REVIEW  
DENTAL HYGIENE PROGRAM  
2011-2014**

**A. Mission and Relationship to the College(s)**

The mission of the Dental Hygiene Program is to educate and graduate competent and ethical health care professionals to meet the needs of the dental community in the Inland Empire. Our mission is in alignment with the Moreno Valley College's mission that states it's "responsive to the educational needs of its region, Moreno Valley College offers academic programs and student support services which include baccalaureate transfer, professional, pre-professional, and pre-collegiate curricula for all who can benefit from them. Life-long learning opportunities are provided, especially, in health and public service preparation."

**B. History**

**MAJOR DEVELOPMENTS IN THE DENTAL HYGIENE PROGRAM**

**History**

**DENTAL HYGIENE DISCIPLINE GOALS 2008-2012:**

1. A third full-time faculty member position was filled at the beginning of the 2012-2013 academic year.
2. The discipline has moved onto the Moreno Valley College campus. This move included an expansion of the clinic.
3. The program went through an American Dental Association (ADA) Committee on Dental Education accreditation visit in 2012. This visit resulted in three required changes 1) professional development monies must be made available for the full-time faculty members; 2) the third full-time faculty position must be filled; and 3) qualified clerical staff must be put into place to support the dental hygiene program. The first two required changes have been met.

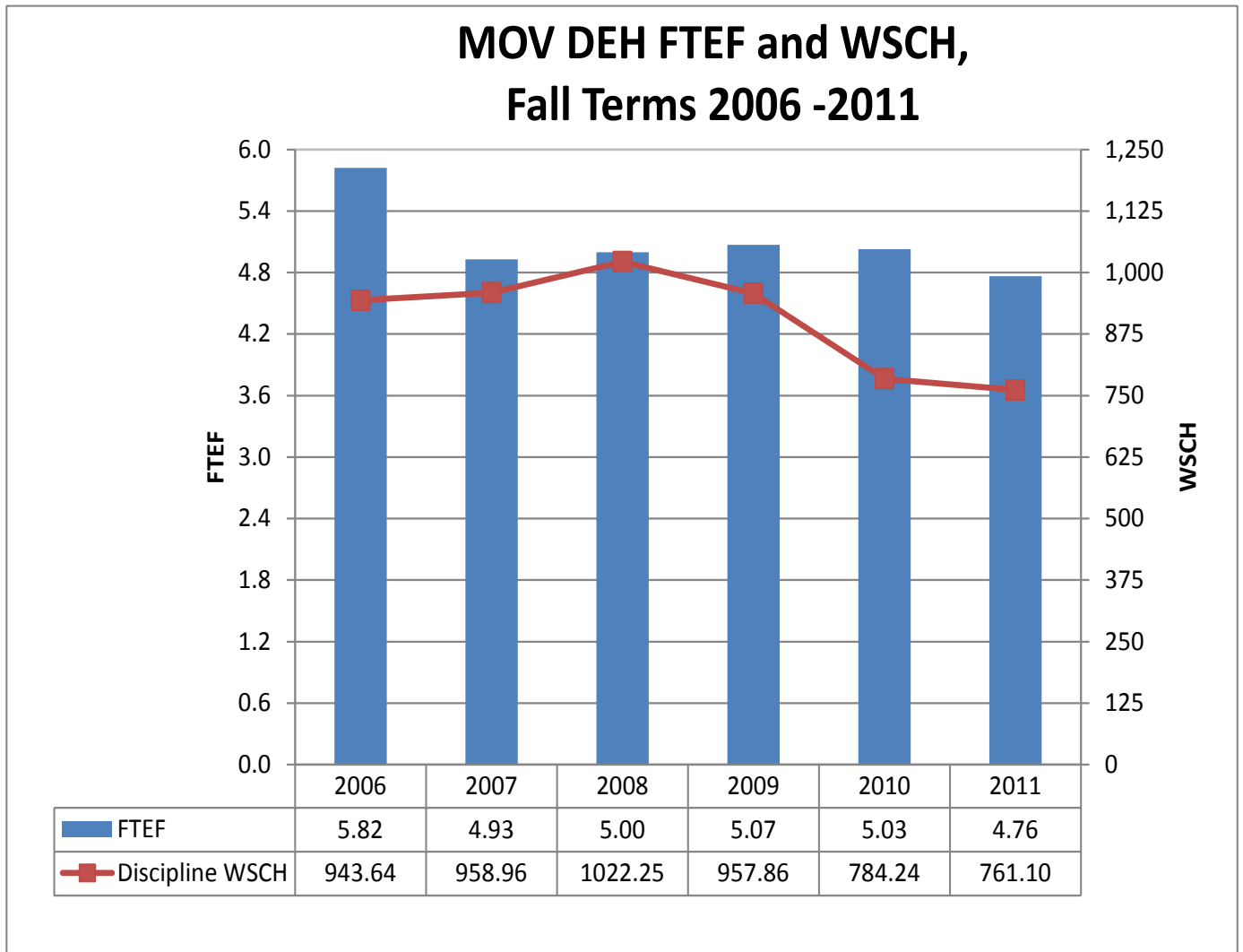
## **HOW THE DENTAL HYGIENE PROGRAM RESPONDED TO THE IDENTIFIED GOALS IN 2004:**

In our last comprehensive Program Review in 2004, the following were recommended:

- The need for a third full-time faculty member. As previously mentioned, this need was addressed and was filled at the beginning of the 2012-2013 academic year.
- The need for two additional dental operators and the expansion of the dental materials laboratory. The move to the Moreno Valley Campus into the Dental Education Center (DEC) expanded the dental hygiene clinic and dental laboratory.
- The need for a new heating and air system. This was resolved with the move into the DEC.
- The need for monthly pest control services. This was resolved with the move into the DEC.
- The need for new access to compressors. This was resolved with the move into the DEC.
- The need for adaptor to a microscope. This was resolved.
- The need for equipment: Panorax radiology unit, radiology developer, digital radiology, intraoral cameras, and intraoral photography cameras. These needs have been resolved.
- The need to continue to meet accreditation standards. We are currently working on addressing the requirements from our 2012 site visit.
- The need for an increase in the budget for disposable supplies. This need has been temporarily addressed through grant funding.
- The need to expand instructional aids. The needs mention in 2007 have been resolved.

## C. Data Analysis and Environmental Scan

### 1. Enrollment Analysis

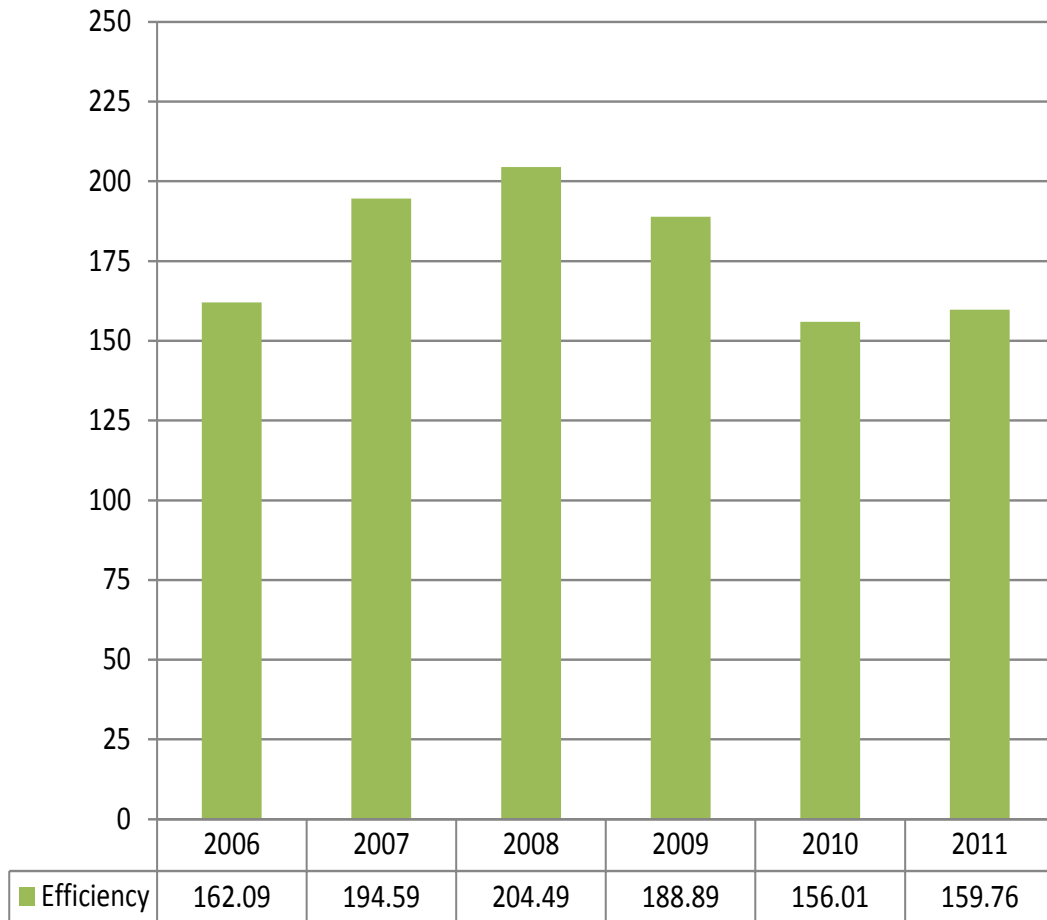


The enrollment trends were reduced slightly for 2011. This was due to the uncertainty surrounding the move onto the campus. It wasn't known when the clinic would be operational.

## 2. Efficiency Analysis

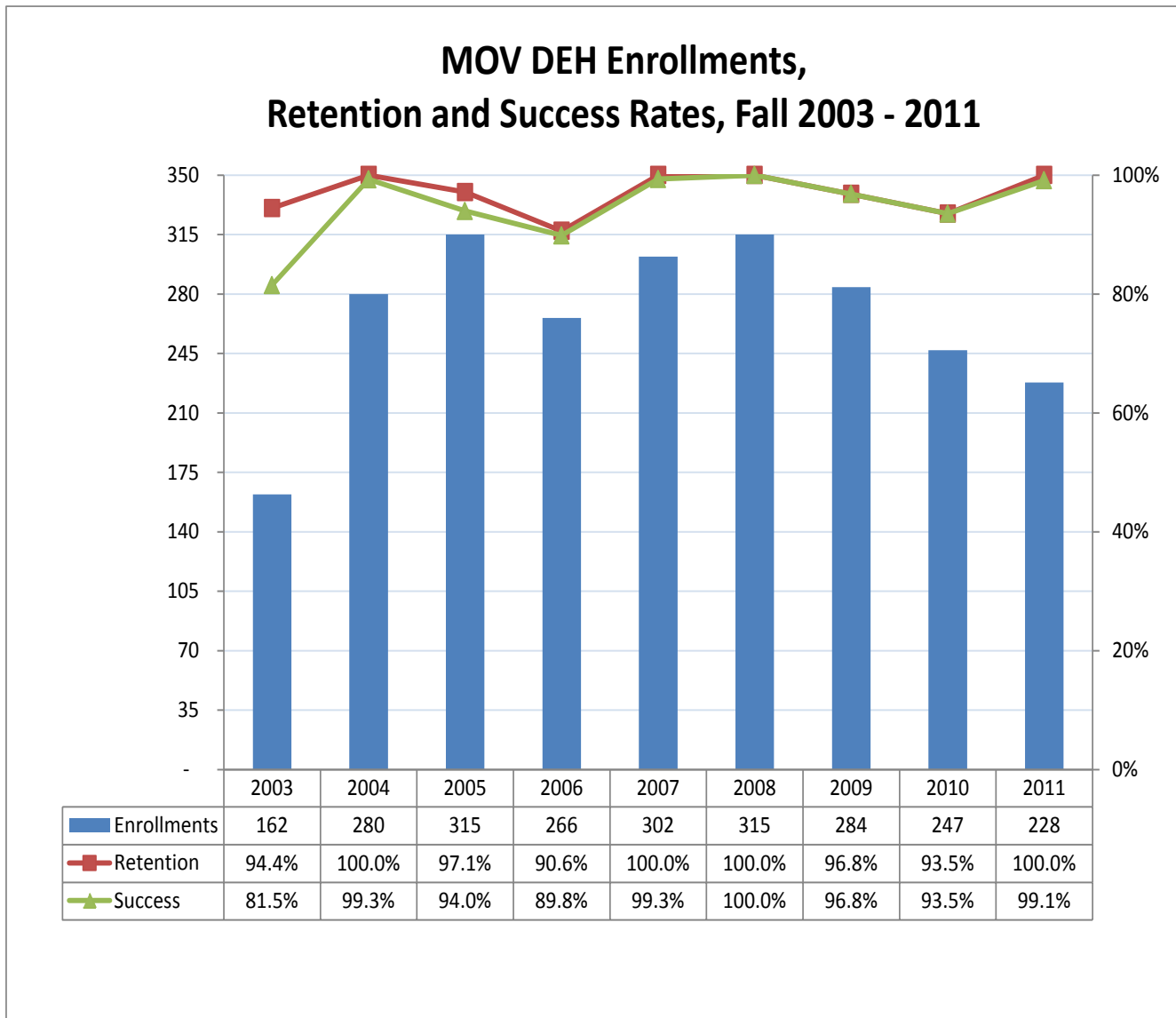
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### MOV DEH Efficiencies, Fall Terms 2006 -2011



The efficiency of the dental hygiene program dropped in the 2010. It is expected that the efficiency will remain at the current level until the admissions process is changed to allow enrollment of the most qualified applicants. The poor efficiency is due to the random selection process that the program is required to utilize to select its students.

### 3. Success Analysis



The retention trend has fluctuated slightly over the last three years and is directly connected to the selection process required for the program.

## **D. Programs and Curriculum**

DEH Course List:

<b>Course</b>	<b>Transfer</b>	<b>AA</b>	<b>Status</b>	<b>Location</b>
DEH-10A	X	X	Active	MoVal
DEH-11	X	X	Active	MoVal
DEH-12A	X	X	Active	MoVal
DEH-12B	X	X	Active	MoVal
DEH-13	X	X	Active	MoVal
DEH-14	X	X	Active	MoVal
DEH-15	X	X	Active	MoVal
DEH-16	X	X	Active	MoVal
DEH-17	X	X	Active	MoVal
DEH-10B	X	X	Active	MoVal
DEH-19	X	X	Active	MoVal
DEH-20A	X	X	Active	MoVal
DEH-21	X	X	Active	MoVal
DEH-22	X	X	Active	MoVal
DEH-23	X	X	Active	MoVal
DEH-24	X	X	Active	MoVal
DEH-25	X	X	Active	MoVal
DEH-26	X	X	Active	MoVal
DEH-27	X	X	Active	MoVal
DEH-28	X	X	Active	MoVal
DEH-30A	X	X	Active	MoVal
DEH-31	X	X	Active	MoVal
DEH-32	X	X	Active	MoVal
DEH-33	X	X	Active	MoVal
DEH-34	X	X	Active	MoVal
DEH-35	X	X	Active	MoVal
DEH-36	X	X	Active	MoVal
DEH-37	X	X	Active	MoVal
DEH-30B	X	X	Active	MoVal
DEH-40	X	X	Active	MoVal
DEH-41	X	X	Active	MoVal
DEH-42	X	X	Active	MoVal



DEH-43	X	X	Active	MoVal
DEH-44	X	X	Active	MoVal
DEH-45	X	X	Active	MoVal
DEH-46	X	X	Active	MoVal

Course Outline of Record:

The course outlines of record for all the dental hygiene courses will be sent through the MVC curriculum committee in the Spring 2013 semester.

Student Learning Outcomes:

Each dental hygiene course has evaluated all of its SLOs. This process is done at the end of each academic year. Changes have been made to courses based off the assessment findings and to SLOs as part of the assessment process.

Program Learning Outcomes:

The program level SLOs are evaluated at the end of each academic year.

**E. Student Learning Outcomes Assessment**

The SLOs assessment outcomes have been the driving force behind the following:

- Change in the instructional design of DEH-10A and DEH-10B to allow more practice time and less testing of skills
- Redesigning of assessments into authentic assessments
- Review of instructional strategies and redesigning of most of the didactic courses into a constructivism design

Assessments of the program learning outcomes were used to determine if the program was meeting its goals and competencies. The outcomes did not identify a need for change at this time.

## **F. Collaboration with Other Units Including Instructional, Student Services Student Services, or Administrative Units (Internal)**

### Dental Technology discipline:

This collaboration has come to an end due to the discontinuation of the Dental Technology Program.

### Dental Assisting discipline:

Collaboration with the dental assisting discipline was strong for many years. It diminished over the last year but has returned to its original level. It is anticipated that this collaboration will continue to strengthen over the next four years.

### Physician Assistant discipline:

Collaboration occurred on teaching different specialties between the two disciplines. The PA students taught the DH students about diabetes testing mechanisms and the DH students taught the PA students how to do a thorough extra/intra oral cancer exam. This exchange was beneficial for the students on many different levels. It is anticipated that this collaboration will continue over the next four years.

### Library:

The dental hygiene program has been working closely with the MVC Library to provide support to the students. It is anticipated that this collaboration will continue over the next four years.

### Early Childhood Studies

There continues to be a strong collaboration between Early Childhood Education and the Dental Hygiene Program. The dental hygiene students provide oral hygiene education to the children at the center. It is anticipated that this collaboration will continue over the next four years.

### Financial Services

Student Financial Services present financial aid information to the incoming dental hygiene students. This allows each student to understand the financial support available through MVC. This is one of the most valuable services provided to the incoming dental hygiene students. It is anticipated that this collaboration will continue over the next four years.

### Grant Services and RCCD Foundation

Collaboration with Amy Cardullo, Director, RCCD Foundation and Richard Keeler, Director, Grant and Contract Services, has provided funding to support the dental hygiene clinic. It is anticipated that this collaboration will continue over the next four years.

### Occupational Education

Collaboration with Occupational Education (Julie Pehkonen and Sheryl Plumley) has provided the opportunity to receive grant funding to strengthen the program through the provision of tutorial support to the students and professional development for the faculty.

## **G. Outreach Activities**

The Dental Hygiene Program has been involved in the following outreach activities and/or projects.

### *Service Learning Projects*

#### Give Kids a Smile

This event is to celebrate National Children's Dental Health Month and is co-sponsored with the Tri-County Dental Society. This event involves volunteers from the dental and dental hygiene communities and dental hygiene students. Approximately 50 children were provided free dental services (restorative and preventive) each year at this event.

#### ASMVC Dental Hygiene Club's Free Sealant Fair

As a way to help improve the oral health of the community, the MVC Dental Hygiene Club sponsors two free dental sealant clinics per school year. The students see approximately 28 children at each dental sealant fair.

#### Special Olympics

The dental hygiene students supported the Riverside County Special Olympics in 2012 in Menifee. The students provided oral hygiene education to the Special Olympians and provided resources to the caregivers.

#### High School Career Events

As a way to promote the Dental Hygiene Program to a diverse population of potential students, members of the Dental Hygiene Program attend high school career fairs/events.

#### Monthly Information Sessions

The Dental Hygiene Program holds monthly Information Sessions for interested individuals to learn about the program.

#### Tri-County Dental Society

There is an on-going collaboration with the Tri-County Dental Society that includes community projects and fundraising to support the Dental Hygiene Program.

## **H. Long Term Major Resource Planning**

1. **To replace the outdated laptops that are used daily during courses. The current laptops are eight years old.**

This resource request is aligned with the Moreno Valley College Strategic Plan:

- Academic Success- the achievement of national prominence as a nationally accredited program. The outdated laptops restrict the learning technologies that can be used on them due to limited memory and the operating system.

- Professional Development – the computers can be used for professional development opportunities.
  - Technology Utilization – the implementation of upgrading technology in existing classrooms.
2. **To replace the desk top computers that students use in the student work area. These computers are over 10 years old and have outdated operating systems that can't support the current learning technologies software requirements.**

This resource request is aligned with the Moreno Valley College Strategic Plan:

- Academic Success- the achievement of national prominence as a nationally accredited program. The outdated laptops restrict the learning technologies that can be used on them.
  - Professional Development – the computers can be used for professional development opportunities.
  - Technology Utilization – the implementation of upgrading technology in existing classrooms.
3. **To connect the computers to the dental chairs so intraoral cameras can be used. This will involve resources to hire a dental IT person to work with the MVC IT experts.**
- Academic Success - the achievement of national prominence as a nationally accredited program. The outdated laptops restrict the learning technologies that can be used on them.
4. **To incorporate new technology into the clinical courses including digital sensors, video capturing software, and video editing software.**
- Academic Success- the achievement of national prominence as a nationally accredited program.
  - Professional Development – the computers can be used for professional development opportunities.
  - Technology Utilization – the implementation of upgrading technology in existing classrooms.
5. **To replace old equipment including DTXXRs, digital presenters, 3 sterilizers, and radiology processors that can process panoramic film.**
- Academic Success- the achievement of national prominence as a nationally accredited program. The use of malfunctioning equipment will interfere with the skills learned by the students in the program.

- Technology Utilization – the implementation of upgrading technology in existing classroom.
6. **To provide improved signage for patients to find the Dental Hygiene Clinic on Moreno Valley College campus and patient parking for the Dental Hygiene Clinic.**
- Academic Success – the students need patients to work on to learn their skill. At this time, patients are expressing frustration about finding the clinic.
7. **To purchase new chairs for the reception area in the Dental Hygiene Clinic.**
- Academic Success – the chairs in the reception area were left in the March Education Center when RCCD licensed the building. They are approximately 20 years old, stained and soiled.

## **I. Summary**

The demand for competent dental hygienists is currently lower than anticipated which is a direct reflection of the economy in Riverside County and the Inland Empire. With this in mind, the MVC Dental Hygiene Program is striving to become known for its curriculum and student success to attract qualified students. This is the driving factor behind the goals and objectives:

1. To have a selection process that will predict the success of a student in the dental hygiene program.
2. To redesign the curriculum to maximize the use of technology in education.
3. To increase service learning projects and the presence of the dental hygiene program in the community.
4. To increase the students' exposure to new technology surrounding learning and within the field of dental hygiene.

## **J. Recommendations to the Program Review Committee**

(none at this time)