

Dental Hygiene



2019

ANNUAL REPORT OF PROGRAM DATA



UNIVERSITY *of* HAWAII®
MAUI COLLEGE

1. Program Description

The **Dental Hygiene** Associate in Science Program is a two-year program (upon admission to the Dental Hygiene Program) that prepares students to become oral health care professionals whose work will positively impact the oral health status of the Maui County and the neighbor islands.

The mission of the Dental Hygiene program is to prepare students for careers in Dental Hygiene with three major emphases:

- Provide comprehensive dental hygiene care to clients of diverse social, economic and cultural backgrounds.
- Demonstrate the academic and clinical knowledge and skills required for the profession of dental hygiene.
- Providing lifelong learning opportunities for Hawai'i's workforce that is designed to improve workforce skills and career progression.

2. Analysis of the Program

Demand Indicators: Cautionary (Full PDF attached)

Response to the Demand Indicator- "Cautionary" quantitative indicator

Demand Indicator: Regarding line 2; The demand data presented does not support the actual placement data. For the last twelve years, all dental hygiene graduates have been placed. All graduates are currently employed. (Employer and Graduate surveys available for review)

The Dental Hygiene Program admits one class every other academic year, 2019 was a degree granting year. Fifteen students graduated in May of 2019. Only DH majors are allowed in Program courses. The program began in 2008, since 2008 through May 2019, the program began with 10 students enrolled, beginning the fall 2015, 15 students were admitted, the increase in students was due to increase number of dentist seeking employment of dental hygienist.

Regarding line 3; The program is designed to have a part time load during the second and final year before graduation as the students prepare for National and Clinical Board Examinations required for Licensure in the State of Hawai'i.

Response to the Perkins Core Indicator not met-

Regarding line 33; 5P1 as well as line 34; 5P2- There were two men (nontraditional) in the program reported in AY 18-19. In f2017 the DH program admitted two men, they both graduated in AY 2019.

Fifteen students were admitted in 2017, two years later all 15 students graduated.

Fourteen students were successful on the first attempt on the National Board Dental Hygiene Examination (NDHBE) the one remaining student (3 months later) was successful on her second attempt.

All fifteen students were successful on the first attempt on The Commission of Dental Competency Assessments (CDCA) Examination. (Clinical dental hygiene exam)

Both, the NDHBE & CDCA Examinations, as well as graduating from an Accredited DH program are requirements for obtaining licensure to practice.

All fifteen students are gainfully employed on Maui, Oahu and Big Island.

Attached are recently gathered Employer Surveys (June-Aug 2019) Graduates are employed for a minimum of one year before Employer Surveys are sent.

In summary, the bench marks for a successful program should be measured by; do students graduates, are they successful with external examinations and are they able to secured positions for which they received training. Is there salary sufficient to support themselves and or their families?

I believe the DH program has provided sufficient evidence of the worth of the program. The students and community of very grateful we have the program at UHMC.

3. Program Learning Outcomes

Provide comprehensive dental hygiene care to clients of diverse social, economic and cultural backgrounds.

3a. Evidence of Industry Validation

Validation: Describe your methods of industry validation

a. Advisory Committee Meeting(s): When were your meet advisory committee meetings? How many did you hold? Did Advisory Committee discuss CASLO/PLO? Yes_X_ Once annually

b. Other: Fund raising activities/events. The DH program has secured Grants from the HDS Foundation for the last three years, each grant period is for one academic year.

2016- \$75,000.00 2018- \$65,000.00 & 2019- \$59,000.00

Service Learning- *All dental hygiene students participate in rotations or "enriching" clinical experience during their second year of the two-year curriculum.*

Approved sites include: Hui No Ke Ola Pono, Malama I Ke Ola, Hale Makua and Kula Hospital.

Students also rotate through the Virtual Dental Home (VDH) Sites; MEO, WIC, Head Start Wailuku & Makawao A & B.

VDH pilot project was developed in collaboration with The Hawaii Department of Health, Pacific University and Hui No Ke Ola Pono. The current group of students will rotate at the VDH sites. (Press release is attached)

Provide program services that support campus and/or community

Outreach to public schools: *Implemented Smiles for Maui County in 2018 and continues today.*

The program is a tooth brushing and fluoride application program that focuses on Title I schools on Maui County. (Final report to HDS Foundation is attached) HDS funded these programs and the data and final report discusses the DH programs community outreach activities.

Partner with businesses and organizations:

The dental hygiene program partners/collaborates annually with the following agencies for community service programs as well as testing procedures for dentist and dental hygiene candidates.

Hui No Ke Ola Pono- Aha Mauliola (2018) UHMC NOII 101 dental clinic

April 11, 2020 Keiki Fest- an annual service that provide free screenings, cleanings, fluoride and education.

These large events are always done in collaboration with the Maui County Dental Association, UHMC DH faculty and students as well as many volunteers from the community.

The Commission of Dental Competency Assessments (CDCA)- Annual examinations for dentist and hygienist from in state or out of state. Bi-annual examinations for UHMC graduates.

3b. Expected Level of Achievement

For the PLO assessed, 100 % of students completing the assignment/course expected to meet expectations for the assignment/course.

3c. Courses Assessed

All 20 DH courses as well as the prerequisites & general education courses (85) were used to determined that all fifteen graduates have the knowledge and skills to:

"Provide comprehensive dental hygiene care to clients of diverse social, economic and cultural backgrounds." (PLO Outcome assessed in 2019)

3d. Assessment Strategy/Instrument

As discussed previously, in May 2019, all fifteen DH students graduated with their AS degree in Dental Hygiene.

3e. Results of Program Assessment

After every graduating class, the lecturers (7) and myself meet to discuss strategies for program improvement. Although since the inception of the program in 2008, all students admitted have graduated with the exception of two students who stopped out for personal

reasons. To date, the program has graduated 55 students whom are all working as licensed dental hygienist.

3f. Other Comments

- The DH program will assess the second PLO "Demonstrate the academic and clinical knowledge and skills required for the profession of dental hygiene."
All thirteen DH courses in the first year of the curriculum will be used to assess this PLO in the summer of 2020.*

3g. Next Steps

- Program Learning Outcome Next Steps:
Conduct assessment to evaluate PLO#2 in the summer of 2020. The program map will be evaluated. (First semester fall-year one has 16 credits); have the students been able to carry the heavy load of credits, have they been successful? Schedule Advisory Committee meeting for input.*
- Professional development next steps: ADA CODA (Dental Accreditation) mandates that all faculty/lectures have expertise in their area in which they teach. Having funds for these trainings/conferences would be greatly appreciated.*

4. Action Plan

The action plan is described above. Because the program admits one class of students every other academic year, the courses as laid out in the program map (attached), are only offered once in each cohort. The first year of the program courses sets the foundation for effective dental hygiene practice. It focuses on the dh sciences as well as assessment procedures for thorough and accurate care of each patient. The curriculum is thus based on higher learning; the sequence of courses has in the past produced successful student results. It is prudent for the program to evaluate the process of curriculum design and review maintenance of the current curriculum. Are student experiences with the curriculum providing what is needed for each individual student to engage as well as become proficient professionals?

5. Resource Implications

Budget request	Amount	In 100 words or less describe how does this request relate to the strategic plan	If outside of the Strategic Plan provide rational for the request (in 100 words or less).
1 FT/9 mo faculty member	\$85,000.00	Help with workload of the one current FT faculty. Strong linkage to ADA CODA accreditation standards.	The second FT faculty will expand student access thereby increasing student success and the quality of learning of each individual student.

In light of the current budget challenges, the dh program is hesitant to make the above request. In an effort to keep all preventive services at no charge to patients who visit the clinic for care, the program utilizes grant monies for support.

Appendix: ARPD data

College: **University of Hawai'i Maui College**
Program: **Dental Hygiene**

Status: Report Complete

Program Quantitative Indicators

Overall Program Health: Healthy

? Workforce Alignment: Classification of Instructional Programs (CIP) -to- Standard Occupational Classification (SOC)

Dental Hygiene

CIP Code = **51.0602**

29-2021 - Dental Hygienists

Print ARPD

Demand Indicators		2016 - 17	2017 - 18	2018 - 19	Demand Health
1.	New & Replacement Positions (State)	72	72	75	Cautionary
*2.	New & Replacement Positions (County Prorated)	11	11	11	
3.	Number of Majors	11	16	15	
3a.	Number of Majors Native Hawaiian	3	4	4	
3b.	Fall Full-Time	0%	94%	7%	
3c.	Fall Part-Time	100%	6%	93%	
3d.	Fall Part-Time who are Full-Time in System	18%	0%	0%	
3e.	Spring Full-Time	0%	100%	0%	
3f.	Spring Part-Time	100%	0%	100%	
3g.	Spring Part-Time who are Full-Time in System	0%	0%	0%	
4.	SSH Program Majors in Program Classes	165	0	225	
5.	SSH Non-Majors in Program Classes	44	0	60	
6.	SSH in All Program Classes	209	0	285	
7.	FTE Enrollment in Program Classes	7	0	10	
8.	Total Number of Classes Taught	7	0	7	

NOTE: New & Replacement jobs updated ([View Methodology](#)).

2019 University of Hawai'i Maui College ARPD
Program: Dental Hygiene

Efficiency Indicators		2016 - 17	2017 - 18	2018 - 19	Efficiency Health
9.	Average Class Size	11	0	15	Healthy
*10.	Fill Rate	95.1%	0%	100%	
11.	FTE BOR Appointed Faculty	1	1	1	
*12.	Majors to FTE BOR Appointed Faculty	11	16	15	
13.	Majors to Analytic FTE Faculty	11	16	15	
13a.	Analytic FTE Faculty	1	0	1	
14.	Overall Program Budget Allocation	\$186,432	\$197,231	\$0	
14a.	General Funded Budget Allocation	\$167,577	\$185,822	\$0	
14b.	Special/Federal Budget Allocation	\$0	\$0	\$0	
14c.	Tuition and Fees	\$18,855	\$11,409	\$0	
15.	Cost per SSH	\$892	\$0	\$0	
16.	Number of Low-Enrolled (<10) Classes	0	0	0	

Effectiveness Indicators		2016 - 17	2017 - 18	2018 - 19	Effectiveness Health
17.	Successful Completion (Equivalent C or Higher)	99%	0%	100%	Healthy
18.	Withdrawals (Grade = W)	0	0	0	
*19.	Persistence Fall to Spring	100%	94%	100%	
19a.	Persistence Fall to Fall	0%	94%	0%	
*20.	Unduplicated Degrees/Certificates Awarded	11	0	15	
20a.	Degrees Awarded	11	0	15	
20b.	Certificates of Achievement Awarded	0	0	0	
20c.	Advanced Professional Certificates Awarded	0	0	0	
20d.	Other Certificates Awarded	0	0	0	
21.	External Licensing Exams Passed	0	0	0	
22.	Transfers to UH 4-yr	0	2	0	
22a.	Transfers with credential from program	0	2	0	
22b.	Transfers without credential from program	0	0	0	

2019 University of Hawai'i Maui College ARPD
Program: Dental Hygiene

Distance Indicators		2016 - 17	2017 - 18	2018 - 19	
23.	Number of Distance Education Classes Taught	0	0	0	
24.	Enrollments Distance Education Classes	0	0	0	
25.	Fill Rate	0%	0%	0%	
26.	Successful Completion (Equivalent C or Higher)	0%	0%	0%	
27.	Withdrawals (Grade = W)	0	0	0	
28.	Persistence (Fall to Spring Not Limited to Distance Education)	0%	0%	0%	

Perkins Indicators		Goal	Actual	Met	
29.	1P1 Technical Skills Attainment	0	0	Met	
30.	2P1 Completion	0	0	Met	
31.	3P1 Student Retention or Transfer	81.9	100	Met	
32.	4P1 Student Placement	66.25	81.82	Met	
33.	5P1 Nontraditional Participation	23.5	12.5	Not Met	
34.	5P2 Nontraditional Completion	23	0	Not Met	

Performance Indicators		2016 - 17	2017 - 18	2018 - 19	
35.	Number of Degrees and Certificates	11	0	15	
36.	Number of Degrees and Certificates Native Hawaiian	3	0	4	
37.	Number of Degrees and Certificates STEM	Not STEM	Not STEM	Not STEM	
38.	Number of Pell Recipients ¹	8	0	10	
39.	Number of Transfers to UH 4-yr	0	2	0	

* Used in Rubric to determine Health Indicator

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[Glossary/Rubric](#)