

ASSESSMENT DAY

College of Health and Public Services

School of Dental Science

September 25, 2015

Academic Assessment



TYPE OF REVIEW	LEVEL	FOCUS	CONDUCTED BY	FREQUENCY
Academic Success Committee Review	Program	<ul style="list-style-type: none"> Quality of assessment practices 	PC - Academic Success Committee	Years 1 & 2
Instructional Program Review	Program / Cluster	<ul style="list-style-type: none"> Enrollment, retention, completion trends Industry certifications and job placement trends Program cost and staffing trends Advisory committees, curriculum changes 	PC - Instructional Program Review Committee	Year 3
Assessment Day	Course/ Program	<ul style="list-style-type: none"> Enrollment by department, program and course and by age, gender and race Number of graduates, average class size Course success rate by instructional method, by campus and by sub-session Job placement Student learning outcomes and institutional learning outcomes 	Program Chair, Faculty (data provided by Institutional Effectiveness and Institutional Research)	Years 1, 2, 3

Programs

[1048 - Dental Assisting \(Limited Access Program\)](#)

[2036 - Dental Hygiene \(Limited Access Program\)](#)

Courses

[DEA0000](#) Introduction to Dental Assisting

[DEA0130](#) Biomedical Science

[DEA0850L](#) Externship I

[DEH1002L](#) Preclinical Dental Hygiene Lab

[DEH1800](#) Clinical Dental Hygiene I

[DEH1802L](#) Dental Hygiene Clinic II

[DEH2702](#) Community Dental Health

[DEH2804L](#) Dental Hygiene Clinic III

[DES0002](#) Dental Anatomy and Physiology

[DES0205](#) Dental Radiology

[DES0844](#) Preventive Dentistry and Nutrition

[DES1100](#) Elements of Dental Materials

[DES1200L](#) Dental Radiography Lab

[DES2600](#) Medical and Dental Emergencies

[DEA0020](#) Chairside Assisting I

[DEA0801](#) Chairside Assisting II

[DEA0851L](#) Externship II

[DEH1133](#) Orofacial Anatomy and Physiology

[DEH1800L](#) Dental Hygiene Clinic I

[DEH2300](#) Pharmacology

[DEH2702L](#) Community Dental Health Lab

[DEH2806](#) Clinical Dental Hygiene IV

[DES0103](#) Dental Materials and Laboratory Procedures

[DES0205L](#) Dental Radiology Lab

[DES1010](#) Head and Neck Anatomy

[DES1100L](#) Elements of Dental Materials Lab

[DES1832L](#) Expanded Functions for the Dental Hygienist

[DEA0020L](#) Chairside Assisting I Lab

[DEA0801L](#) Chairside Assisting II Lab

[DEH1002](#) Preclinical Dental Hygiene

[DEH1602](#) Periodontology

[DEH1802](#) Clinical Dental Hygiene II

[DEH2400](#) General and Oral Pathology

[DEH2804](#) Clinical Dental Hygiene III

[DEH2806L](#) Dental Hygiene Clinic IV

[DES0103L](#) Dental Materials and Laboratory Procedures Lab

[DES0501](#) Practice Management

[DES1054](#) Pain Control and Anesthesia

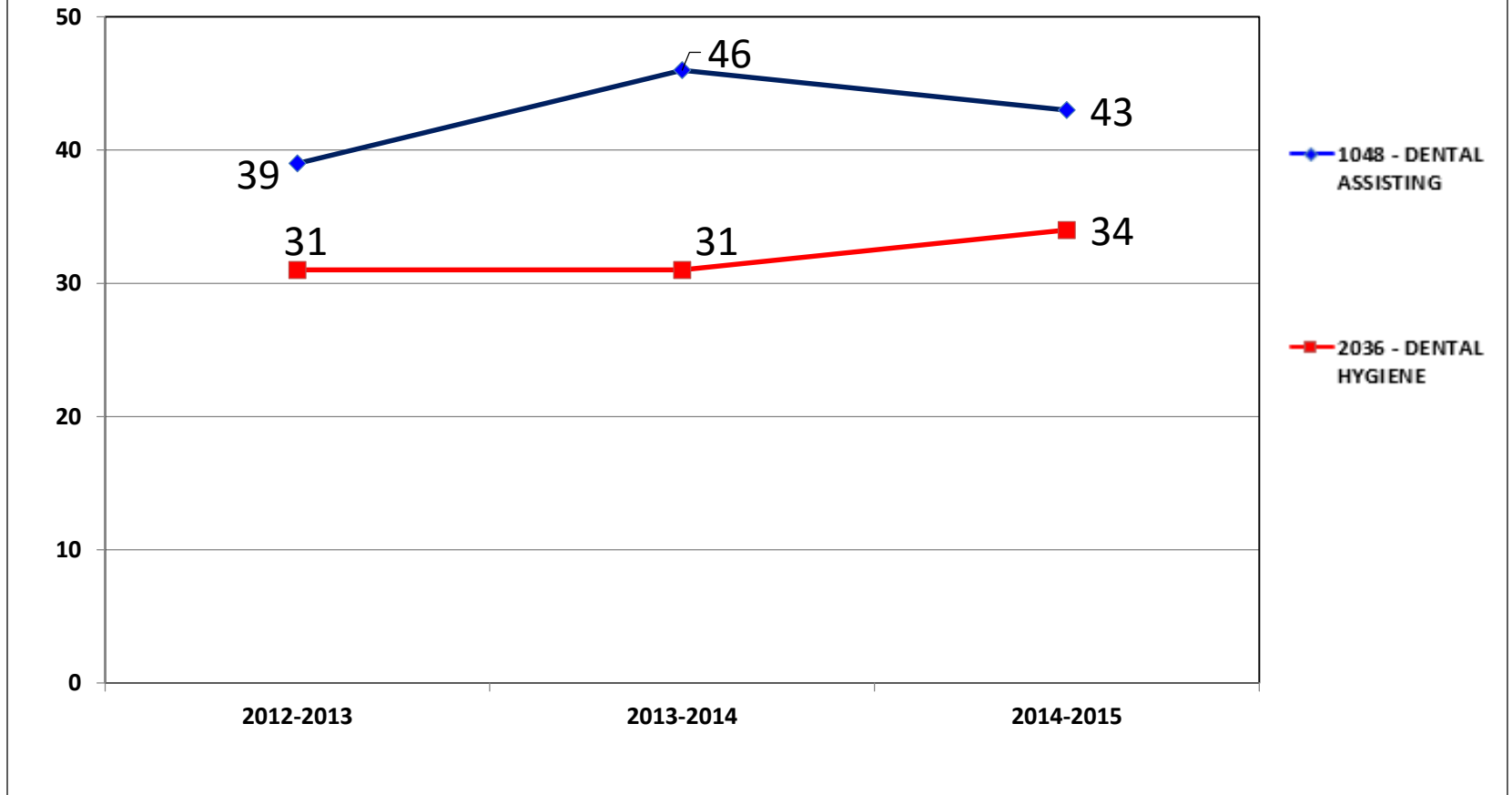
[DES1200](#) Dental Radiography

[DES1840](#) Preventive Dentistry

Last Assessment Day – Action Items

1. There were some discrepancies on number of headcounts. Institutional Research will provide list of students with this major. Also, IE will work with Student Enrollment to come out with a strategy to change students major.
2. There were some discrepancies on number of graduates. Chair of School of Dental Science will email Institutional Research her information on number of graduates.
3. School of Dental Science will continue the skills and remediation labs offered on Friday to improve student success rates. Also weekly feedback for proficiency evaluation.
4. Institutional Research will share data on Job Placement coming from the state with School of Dental Science, so they can review and validate their graduates' job placement information.
5. School of Dental Science recommended licensing exam information to be included in the Assessment Days for those that are applicable.
6. Learning Outcome Assessment:
 - a. For the Dental Hygiene program, outcome 5, will be updated to measure communication and information and technical literacy for next 14-15 calendar year.
 - b. Make sure to report results based on your level of achievement (Dental Hygiene program report). If you stated your level of achievement is 75% or higher, your results should tell the percentage of students that achieved 75% or higher.

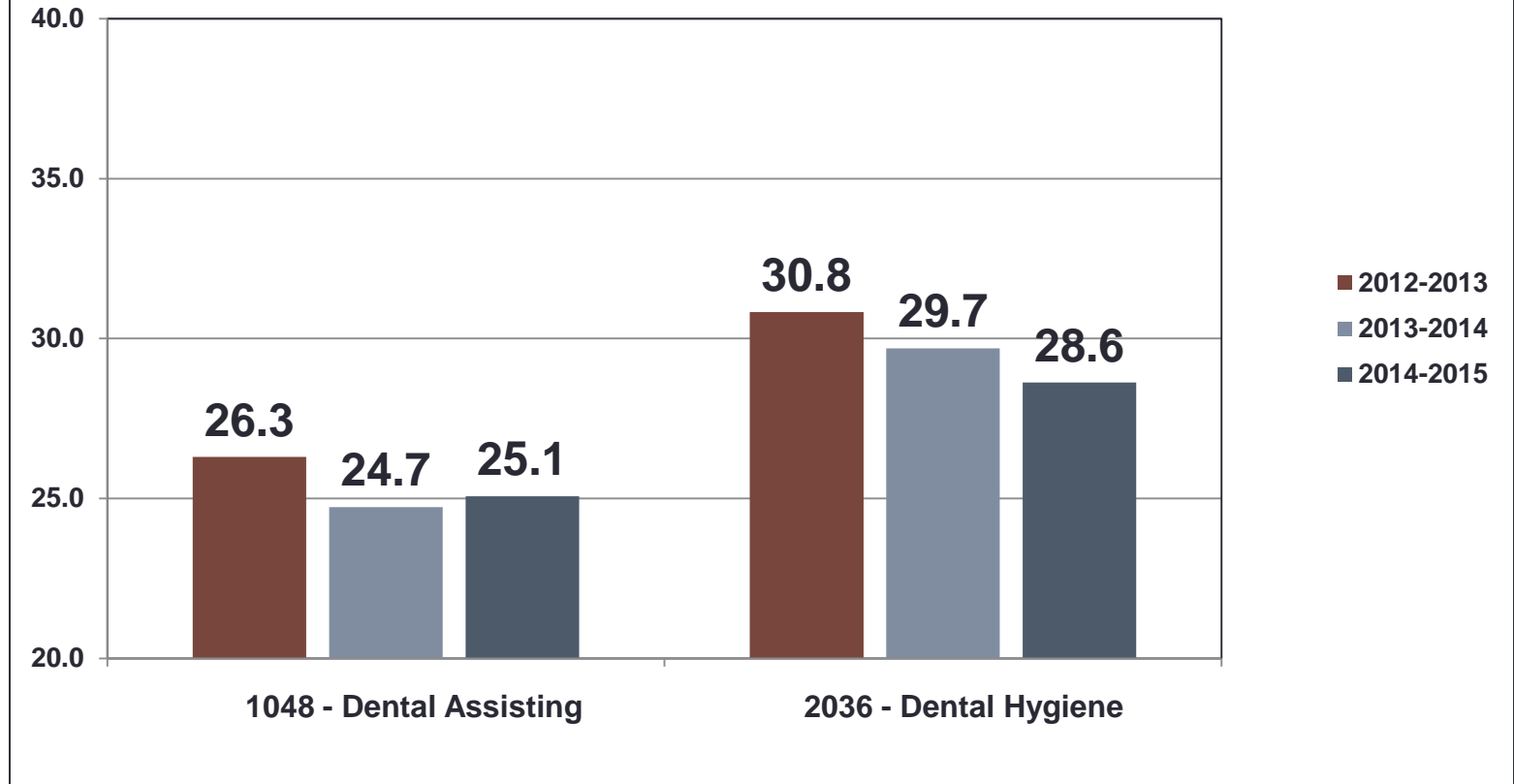
Headcount in Major



Students are duplicated across programs, unduplicated in the total.

Source: IR Program Assessment Data

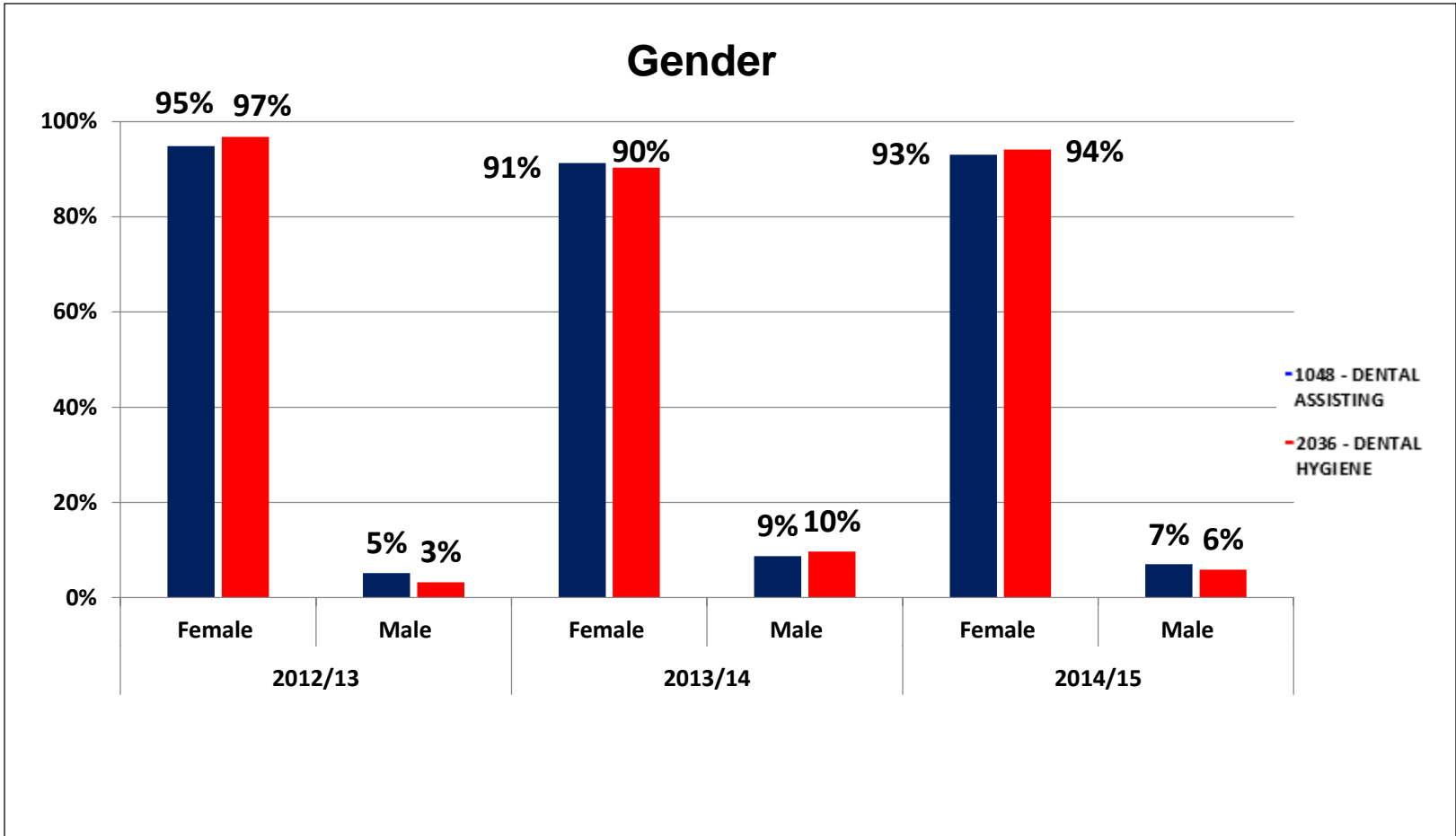
Average Age



Major	2012-2013	2013-2014	2014-2015
All Programs	28.6	27.5	27.1
Daytona State College	26.7	26.6	26.4

Source: IR Program Assessment Data

Calculation excludes individuals whose birthdates are not reported.



Major	2012-2013		2013-2014		2014-2015	
	Female	Male	Female	Male	Female	Male
Daytona State College	60%	40%	59%	41%	60%	40%

Excludes individuals whose gender is not reported.

Source: IR Program Assessment Data

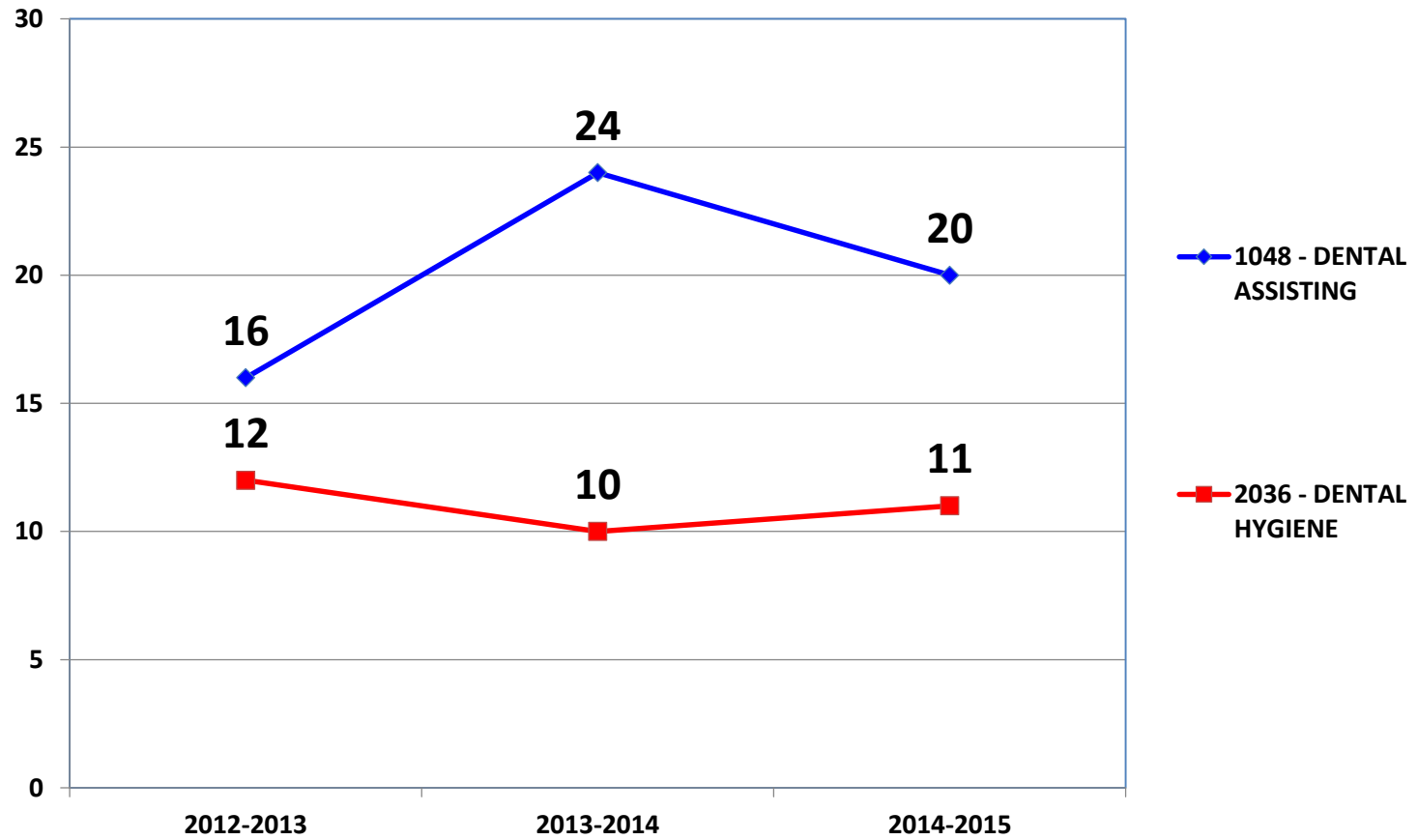
Race / Ethnicity by Program

Program		2012-2013		2013-2014		2014-2015		DSC
		#	%	#	%	#	%	
1048 - DENTAL ASSISTING	American Indian / Alaska Native							0.5%
	Asian	1	3%	2	4%	1	2%	2%
	Black or African American	4	10%	4	9%			14%
	Hispanic	5	13%	6	13%	10	23%	13%
	Native Hawaiian / Pacific Islander			1	2%	1	2%	0.0
	Two or More Races							2%
	White	28	72%	32	70%	31	72%	67%
2036 - DENTAL HYGIENE	American Indian / Alaska Native							0.5%
	Asian	2	6%	2	6%	1	3%	2%
	Black or African American	1	3%			4	12%	14%
	Hispanic	4	13%	6	19%	7	21%	13%
	Native Hawaiian / Pacific Islander							0.0
	Two or More Races					1	3%	2%
	White	24	77%	22	71%	19	56%	67%

Blank cells or missing years indicate no enrollment.
Excludes individuals whose race / ethnicity is not reported.

Source: IR Program Assessment Data

Graduates in Major



Graduation Rates

Major	Fall Term	Registered in First Course	Graduation			
			Graduated within 150% Time	Graduation Rate	Graduated within 200% Time	Graduation Rate
1048- Dental Assisting	FA12	23	23	100.0%	23	100.0%
	FA13	22	20	90.9%	21	95.5%
	FA14	22	19	86.4%	19	86.4%
2036- Dental Hygiene	FA10	13	9	69.2%	9	69.2%
	FA11	15	11	73.3%	11	73.3%
	FA12	16	11	68.8%	11	68.8%

Less than College average (150%- 44.8%, 200%- 49.23%)

First Course- 1048- DEA0020, 2036- DEH1133

Fall terms include prior Summer term enrollment in major.

Source: IR Program Assessment Data

Retention Rates

Major	Fall Term	Registered	Excluded	Adjusted Cohort	Not Retained		Retained by DSC		Retained by Program	
					N	%	N	%	N	%
1048 DENTAL ASSISTING*	2011	21	15	6	6	100%	0	0%	0	0%
	2012	24	24	0	NA		NA		NA	
	2013	24	20	4	1	25%	2	50%	1	25%
2036 DENTAL HYGIENE	2011	32	10	22	6	27%	1	5%	15	68%
	2012	30	11	19	4	21%	1	5%	14	74%
	2013	30	10	20	4	20%	2	10%	14	70%

Less than College average (FT- 60.48%, PT- 52.08%)

*Dental Assisting's program length and graduation rate prevent the calculation of meaningful fall-to-fall retention rates.

Registered - Includes all students enrolled in the fall term of the specified year, with the specified program as their primary major.

Exclusions - Includes students who are deceased or graduated fall of the specified year or the following spring or summer.

Not retained - Students who were not registered the following fall term.

Retained by DSC - Students who were still registered at DSC the following fall but with a different primary major.

Retained by Program - Students who were registered the following fall with the same primary major.

Source: IR Program Assessment Data

Average Class Size by Course

Major and Associated Courses (All courses offered in ONLY 1 IM and ONLY on 1 Campus)			2012-2013		2013-2014		2014-2015	
			Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size
1048 - Dental Assisting DAYTONA	DEA0000	Online	2	23	2	23	3	20
	DEA0020	Lecture	1	23	1	22	1	22
	DEA0130	Online	1	23	1	20	1	19
	DEA0801	Lecture	1	23	1	20	1	19
	DEA0850L	OJT	1	23	1	20	1	19
	DEA0851L	OJT	1	15	1	23	1	20
	DES0002	Online	1	23	1	21	1	22
	DES0103	Lecture	1	23	1	22	1	22
	DES0205	Lecture	1	23	1	21	1	22
	DES0501	Lecture	1	23	1	20	1	19
	DES0844	Lecture	1	23	1	19	1	19
	Major			12	22	12	21	13

Years are reporting years, SU-SP.

Blank cells or missing years indicate no enrollment.

To prevent data from skewing, excludes, labs, clinicals, private/performance, open lab, co-op, DIS, and internships.

Source: IR Program Assessment Data

Average Class Size by Course

Major and Associated Courses (All courses offered in ONLY 1 IM and ONLY on 1 Campus)			2012-2013		2013-2014		2014-2015	
			Sections	Avg. Size	Sections	Avg. Size	Sections	Avg. Size
2036 - Dental Hygiene DELAND	DEH1002	Lecture	1	14	1	15	1	15
	DEH1133	Hybrid	1	16	1	16	1	16
	DEH1602	Lecture	1	13	1	12	1	11
	DEH1800	Lecture	1	13	1	12	1	11
	DEH1802	Lecture	1	12	1	12	1	11
	DEH2300	Lecture	1	12	1	13	1	10
	DEH2400	Lecture	1	12	1	12	1	11
	DEH2702	Lecture	1	12	1	10	1	11
	DEH2804	Lecture	1	12	1	12	1	10
	DEH2806	Lecture	1	12	1	10	1	11
	DES1010	Lecture	1	15	1	15	1	15
	DES1054	Lecture	1	14	1	12	1	11
	DES1100	Online	1	11	1	6	1	5
	DES1200	Lecture	1	7	1	9	1	15
	DES1832L	Lab	1	13	1	12	1	11
	DES1840	Lecture	1	14	1	15	1	15
	DES2600	Online	1	12	1	11	1	10
Major			17	13	17	12	17	12

Years are reporting years, SU-SP.

Blank cells or missing years indicate no enrollment.

To prevent data from skewing, excludes, labs, clinicals, private/performance, open lab, co-op, DIS, and internships.

Source: IR Program Assessment Data

Course Success Rates

Major and Associated Courses (All courses offered in ONLY 1 IM and ONLY on 1 Campus)			2012-2013		2013-2014		2014-2015	
			# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful
1048 - Dental Assisting DAYTONA	DEA0000	Online	45	82%	46	74%	59	76%
	DEA0020	Lecture	23	100%	22	95%	22	91%
	DEA0130	Online	23	100%	20	100%	19	100%
	DEA0801	Lecture	23	100%	20	100%	19	100%
	DEA0850L	OJT	23	100%	20	100%	19	100%
	DEA0851L	OJT	15	100%	23	100%	20	100%
	DES0002	Online	23	100%	21	95%	22	95%
	DES0103	Lecture	23	100%	22	95%	22	95%
	DES0205	Lecture	23	100%	21	95%	22	95%
	DES0501	Lecture	23	100%	20	100%	19	100%
	DES0844	Lecture	23	100%	19	100%	19	100%
Major			267	97%	254	94%	262	93%

■ Indicates more than 5% decrease from prior year or less than 70% success rate.

Years are reporting years, SU through SP.

Source: IR Program Assessment Data

Course Success Rates

Major and Associated Courses (All courses offered in ONLY 1 IM and ONLY on 1 Campus)			2012-2013		2013-2014		2014-2015	
			# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful
2036 - Dental Hygiene DELAND	DEH1002	Lecture	14	93%	15	80%	15	87%
	DEH1133	Hybrid	16	100%	16	94%	16	94%
	DEH1602	Lecture	13	92%	12	92%	11	100%
	DEH1800	Lecture	13	92%	12	92%	11	100%
	DEH1802	Lecture	12	100%	12	100%	11	100%
	DEH2300	Lecture	12	92%	13	100%	10	90%
	DEH2400	Lecture	12	100%	12	92%	11	100%
	DEH2702	Lecture	12	100%	10	100%	11	100%
	DEH2804	Lecture	12	100%	12	100%	10	100%
	DEH2806	Lecture	12	100%	10	100%	11	100%
	DES1010	Lecture	15	93%	15	80%	15	80%
	DES1054	Lecture	14	93%	12	92%	11	91%
	DES1100	Online	11	100%	6	83%	5	100%
	DES1200	Lecture	7	86%	9	67%	15	87%
	DES1832L	Lab	13	38%	12	92%	11	100%
	DES1840	Lecture	14	93%	15	80%	15	87%
	DES2600	Online	12	100%	11	100%	10	100%
Major			214	93%	204	91%	199	94%

■ Indicates more than 5% decrease from prior year or less than 70% success rate.

Years are reporting years, SU through SP.

Source: IR Program Assessment Data

Course Success Rates by Session/Sub-session

Only 1 course is offered in more than 1 session or more than 1 sub-session so comparisons can only be made for that course.

Course and Session/Sub-session			2012-2013		2013-2014		2014-2015	
			# Attempted	% Successful	# Attempted	% Successful	# Attempted	% Successful
DEA0000	FA	B term					17	59%
	SP	B term			26	69%	23	83%
		Full term	25	84%				
	SU	Full term	20	80%	20	80%	19	84%

 Indicates more than 5% difference between campuses.

Includes all courses, sections, IM's; lectures, labs, etc.

Source: IR Program Assessment Data

Licensing Exam

	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14
Dental Hygiene	83%	92%	100%	100%	100%	100%

Source: Daytona State Department Chairs are solicited for this data.

Job Placement

Placement Rates								
		2010/11		2011/12		2012/13		Average Annual Salary
Program Title	Major(s)	DSC%	FCS%	DSC%	FCS%	DSC%	FCS%	
Dental Hygiene	2036	100%	92%	90%	93%	91%	84%	\$**, ***
Dental Assisting	1048	75%	75%	64%	69%	93%	78%	\$**, ***

Notes:

Graduates in cohort year are tracked in the following year and reported 1 year later.

All continuing education outcomes are based on enrollment data for the fall semester and preliminary winter/spring semester.

All employment outcomes are based on the October - December quarterly data each year.

Individuals are only counted in one educational sector.

Full quarter earnings displayed only when 10 or more graduates are employed full time/full quarter.

Source: IR Program Assessment Data

Dental Assisting Program Learning Outcomes

Graduates of the program will be able to:

PO1: Review health histories and obtain vital signs, systemically collect diagnostic data, utilize four-handed dentistry, perform minor laboratory procedures, and provide oral health education.

PO2: Perform a variety of clinical supportive treatments.

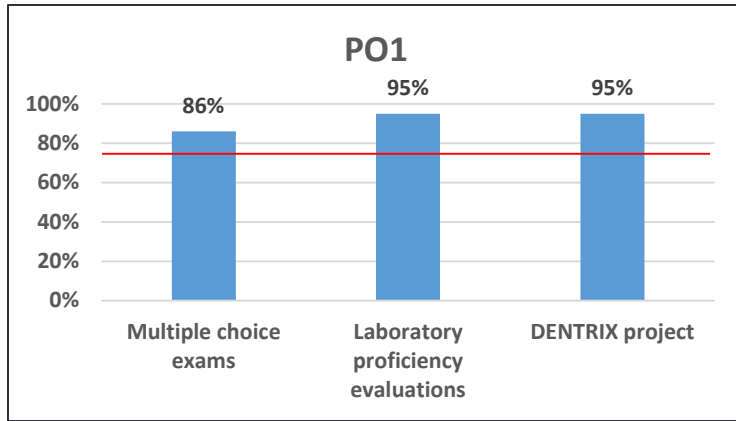
PO3: Demonstrate basic business office procedures.

PO4: Execute radiation safety measures, take diagnostic acceptable radiographs on patients, and expose and process radiographs on a variety of patients.

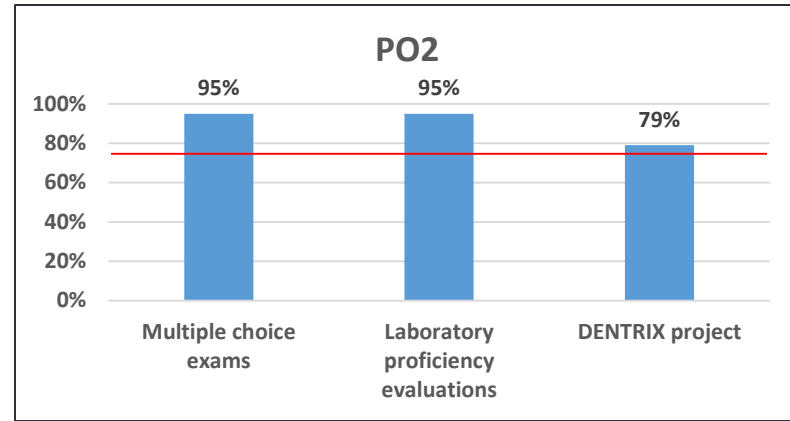
PO5: Manage asepsis utilizing infection and hazard control protocol consistent with published professional guidelines.

Assessment Data 2014-2015

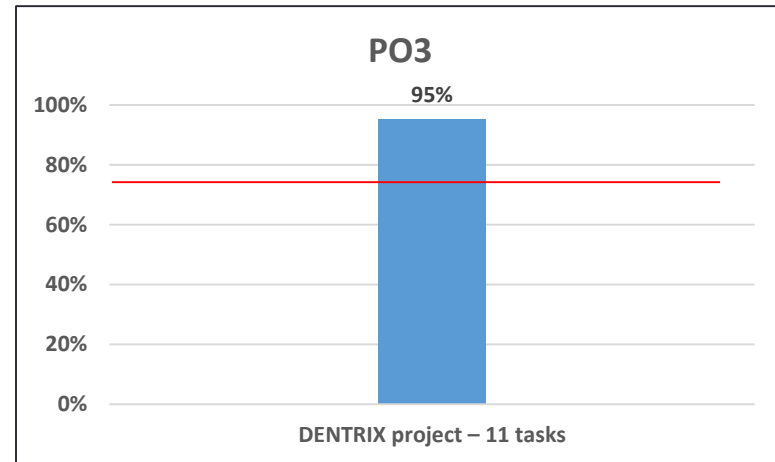
1048 – Dental Assisting



Review health histories and obtain vital signs, systemically collect diagnostic data, utilize four-handed dentistry, perform minor laboratory procedures, and provide oral health education



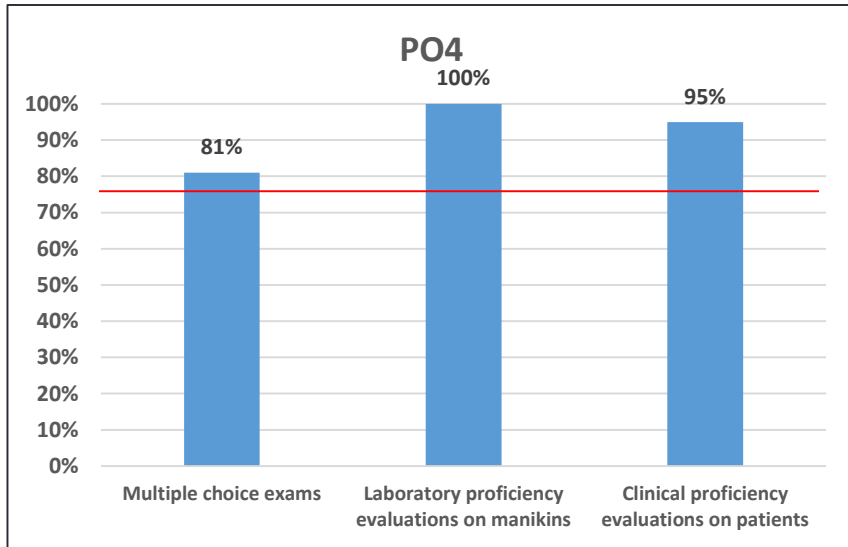
Perform a variety of clinical supportive treatments



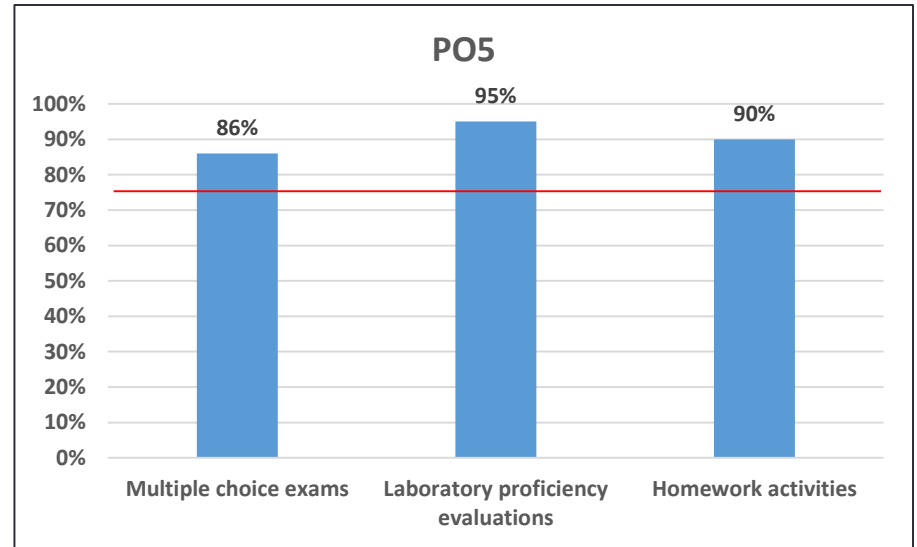
Demonstrate basic business office procedures

Assessment Data 2014-2015

1048 – Dental Assisting



Execute radiation safety measures, take diagnostic acceptable radiographs on patients, and expose and process radiographs on a variety of patients



Manage asepsis utilizing infection and hazard control protocol consistent with published professional guidelines

Dental Hygiene Program Learning Outcomes

Graduates of the program will be able to:

PO1: Apply the dental hygiene process of care and problem solving strategies to provide dental hygiene care for patients of all age groups, medically compromised, and all types of periodontal disease classifications.

PO2: Demonstrate interpersonal and communications skills to effectively interact with diverse population groups.

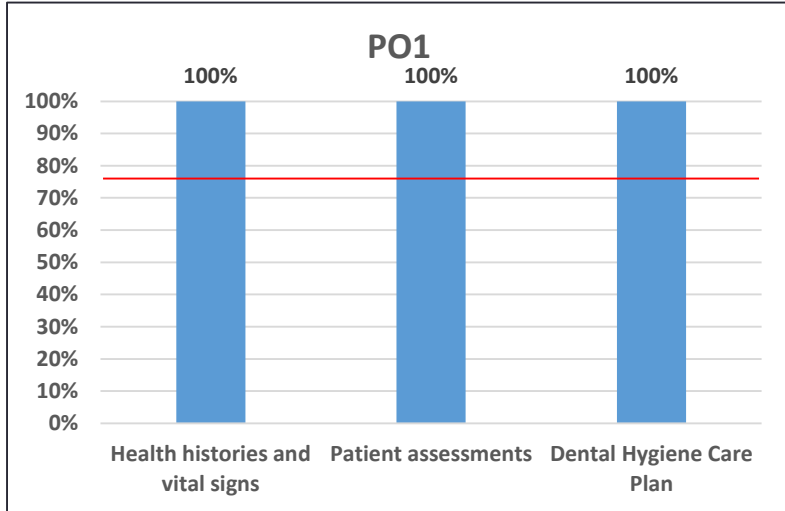
PO3: Apply ethical, legal, and regulatory concepts to the provision and/or support of oral health care services.

PO4: Apply self-assessment skills to prepare for life-long learning as a foundation for maintaining competency and quality assurance.

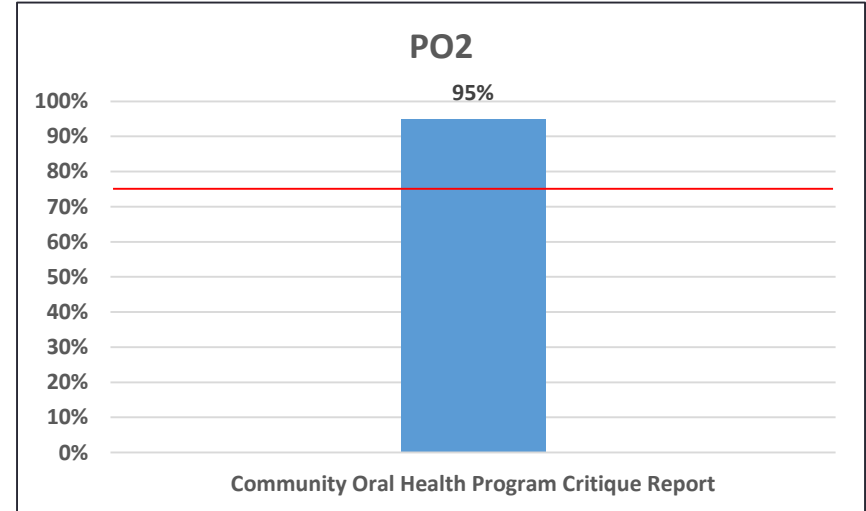
PO5: Evaluate current scientific literature as a basis for life-long learning, evidence-based practice and as a foundation for adapting to changes in health care.

Assessment Data 2014-2015

2036 – Dental Hygiene



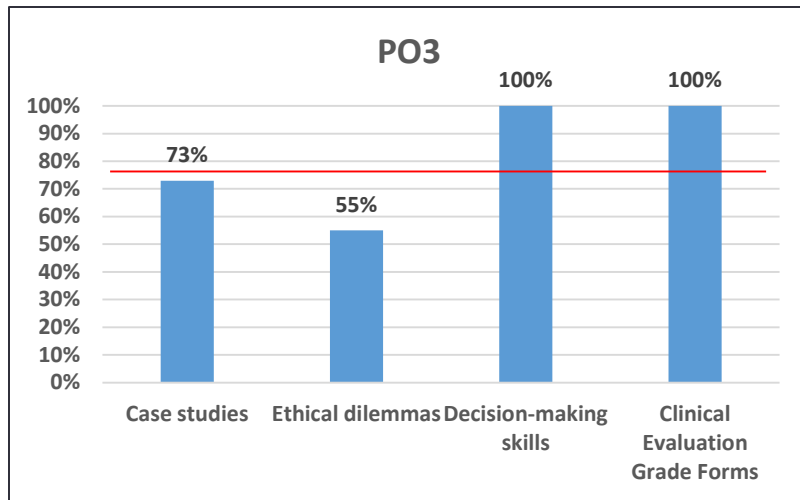
Apply the dental hygiene process of care and problem solving strategies to provide dental hygiene care for patients of all age groups, medically compromised, and all types of periodontal disease classifications



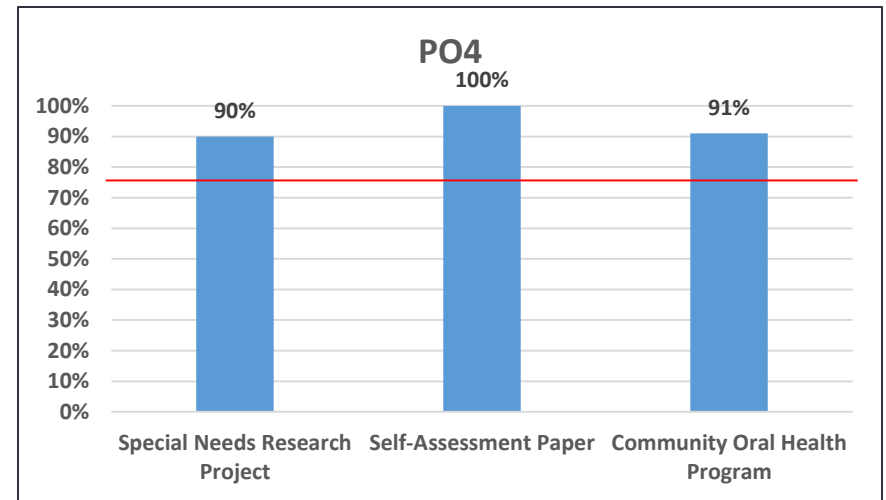
Demonstrate interpersonal and communications skills to effectively interact with diverse population groups

Assessment Data 2014-2015

2036 – Dental Hygiene



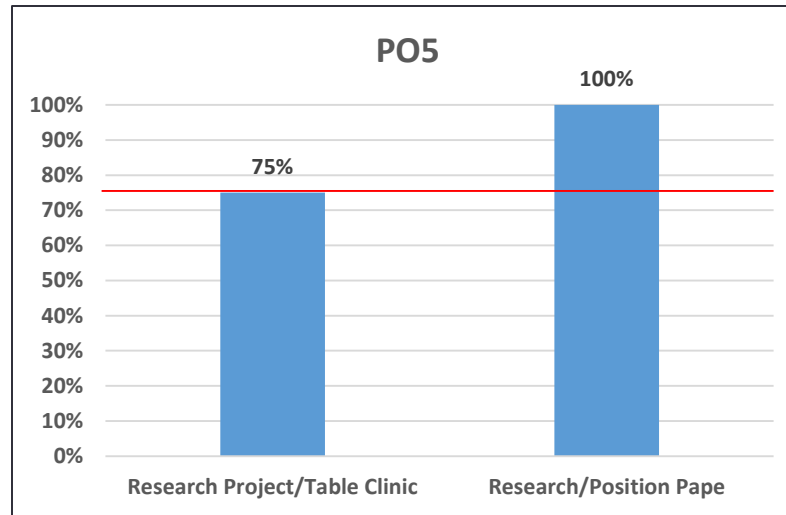
Apply ethical, legal, and regulatory concepts to the provision and/or support of oral health care services



Apply self-assessment skills to prepare for life-long learning as a foundation for maintaining competency and quality assurance

Assessment Data 2014-2015

2036 – Dental Hygiene



Evaluate current scientific literature as a basis for life-long learning, evidence-based practice and as a foundation for adapting to changes in health care

Assessment Data 2013-2014

Program vs. Institutional Learning Outcomes

Program	Critical/ Creative Thinking	Communication	Cultural Literacy	Information and technical Literacy
1048 – Dental Assisting	100%	80%	80%	80%
2036 – Dental Hygiene	67%	72%	78%	82%

Assessment Data 2014-2015

Program vs. Institutional Learning Outcomes

Program	Critical/ Creative Thinking	Communication	Cultural Literacy	Information and technical Literacy
1048 – Dental Assisting	97.5%	100%	96.8%	96.6%
2036 – Dental Hygiene	91.4%	92.9%	93.5%	100%