

**The North Carolina State Board of Dental
Examiners**

Annual Report to

The Secretary of State, the Attorney General

And

**The Joint Legislative Administrative Procedure
Oversight Committee**

**Submitted
October 23, 2018**

The North Carolina State Board of Dental Examiners submits the following information as required by N.C. Gen. Stat. §93B-2.

Section 1: Board Members and Officers, August 2017 – July 2018

Dr. Merlin W. Young, President Post Office Box 2050 Wendell, NC 27591	O (919) 365-7416 FX (919) 365-7933
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Dr. Millard W. Wester, III, Sec.-Treas. 511 Ruin Creek Road, Suite 204 Henderson, NC 27536	O (252) 492-1115 FX (252) 492-8682
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Dr. William M. Litaker, Jr., Past President 270 Third Avenue NW Hickory, NC 28601	O (828) 327-8136 FX (828) 327-7106
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Dr. Clifford O. Feingold, 4 Stuart Circle Asheville, NC 28804	O (828) 258-8390
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Dr. Kenneth M. Sadler 201 Charlois Boulevard Winston-Salem, NC 27103	O (336) 331-3500 FX (336) 331-3504
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Dr. Catherine Watkins 201 Charlois Boulevard Winston-Salem, NC 27103	O (336) 331-3541 FX (336) 331-3619
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Ms. Nancy St. Onge, RDH 600 Briarcliff Street Apex, NC 27502	O (919) 678-8223
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Mr. Dominic Totman, Consumer Member Post Office Box 91476 Raleigh, NC 27675	O: (919) 678-8223
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Section 1(a): Total number of licensees as of 1 Oct. 2018

Dentists:	6332
Dental Hygienists:	8179

Section 2: Number of persons who applied for examination

The North Carolina State Board of Dental Examiners is a member of the American Dental Examination (ADEX) which has developed a clinical examination for dentistry and dental hygiene that is offered in 35 states and is accepted in 45. Candidates for dental/dental hygiene licensure do not apply or pay any examination fees directly to the North Carolina State Board Dental Examiners for admission to the examination. Several thousand graduates of dental and dental hygiene schools throughout the 35 member states are eligible to apply for licensure in NC upon passing the examination.

The ADEX clinical dental and dental hygiene examinations are offered by two regional testing agencies: The Council of Interstate Testing Agencies (CITA) and the Commission on Dental Competency Assessments (CDCA). Passing rates and other statistics from these two agencies are attached.

Section 3: The number refused examination

Applicants are not allowed to apply for the examination until all educational prerequisites are met. Therefore, no applicants were refused admission to either the ADEX dental or CITA dental hygiene examinations.

Section 4: The number who took the examination

See attached reports from CITA and CDCA

Section 5: Number to whom initial licenses were issued

In 2017, 254 applicants applied for a dental license in North Carolina. All 254 were granted a dental license. Two hundred eighty-five [285] applicants applied for a dental hygiene license. All 285 were granted a dental hygiene license.

Section 5(a): Number who failed the examination

See attached reports from the two regional testing agencies (CDCA and CITA) offering the ADEX dental and dental hygiene examinations.

Section 6: Application for License by credentials

Licensure by credentials is the process through which licensees in other states may apply for a North Carolina license based on their experience and a safe practice record. No additional clinical examination is required for those who qualify. In 2017, 69 dentists and 72 dental hygienists from other states applied for licensure by credentials.

Section 7: License by Credentials Issued

In 2017, the Board licensed 69 dentists and 71 dental hygienists from other states through the credentialing process. Two dentists and one dental hygienist who applied for licensure by credentials were denied.

Section 7(a): Number of Official complaints involving licensed and unlicensed activity

270 complaints were received and investigated in 2017.

Section 7(b): Number of disciplinary actions against licensees or non-licensees, including injunctive relief.

- 14 Consent Orders entered
- 12 licensees suspended
- 11 licensees placed on probation
- 2 licenses were revoked
- 7 official reprimands issued
- 2 licensees summarily suspended
- 1 injunction against unauthorized practice

Section 8: Number of licenses suspended or revoked

Number of Licenses Suspended:	12
Number of Licenses Revoked:	3

Section 9: Licensees terminated for any reason other than failure to renew

No licensees were asked to retire or voluntarily surrender their license in 2017.

Section 10: Substance of any anticipated statutory amendment

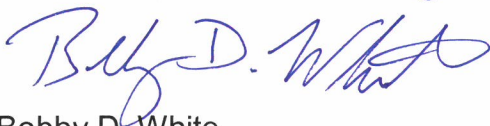
None

Section 11: Substance of any anticipated rule changes or adoption.

The Board anticipates submitting all of its rules to the Rules Review Commission for review and re-adoption or elimination pursuant to the requirements of N.C. Gen. Stat. 150B-21.3A.


Financial Reports were previously submitted directly from the audit firm of Bernard Robinson on or about April 28, 2018.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "Bobby D. White". The signature is fluid and cursive, with a prominent "B" and "W".

Bobby D. White
Chief Executive Officer

Reports from Regional Testing Agencies




**THE COMMISSION ON
DENTAL COMPETENCY
ASSESSMENTS**

**CIF Class of 2018
Dental Results**

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CIF Class of 2018 Examination



**Dental Simulated Examination
(DSE OSCE)**

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CIF Class of 2018 Examination




Cumulative Pass/Fail Statistics for the
Dental Simulated Examination
(DSE OSCE)
As of June 2018

- 2.65% of candidates did not utilize all available opportunities to complete the Dental Simulated Examination (DSE OSCE).
- 100.00% of all candidates utilizing all opportunities available to complete the examination process passed the DSE OSCE.

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CIF Class of 2018 Examination



Dental Simulated Examination
(DSE OSCE)
Mean Scores

Year	Score
2014	85
2015	85
2016	84
2017	85
2018	85


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CIF Class of 2018 Examination 

Dental Simulated Examination
(DSE OSCE)
Overall Performance Evaluation


Number of Items	150
High Score (in percent)	99%
Low Score (in percent)	59%
Percent of Candidates Passed	96%
Mean Percentage Score	85%

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CIF Class of 2018 Examination 

Prosthodontics Examination


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CIF Class of 2018 Examination 

Prosthodontics Examination

89% of Candidates passed
on their first attempt


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CIF Class of 2018 Examination 

Cumulative Pass/Fail Statistics for the
Prosthodontics Examination
As of June 2018

- 0.47% of candidates did not utilize all available opportunities to complete the Prosthodontics Examination.
- 99.84% of all candidates utilizing all opportunities available to complete the examination process passed the Prosthodontics Examination.

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CIF Class of 2018 Examinations 

Most Common Errors Contributing to Failure

Cast Metal Crown

1. Occlusal Reduction
2. Path of Insertion/Line of Draw
3. Margin Definition

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CIF Class of 2018 Examinations 

Most Common Errors Contributing to Failure

PFM Crown

1. Occlusal Reduction
2. Axial Tissue Removal
3. Margin Width

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CIF Class of 2018 Examinations 

Most Common Errors Contributing to Failure

Ceramic Crown


1. Axial Lingual Tissue Removal
2. Cervical Margin Width
3. External Line Angles

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CIF Class of 2018 Examination 

Endodontics Examination


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CIF Class of 2018 Examination 

Endodontics Examination

85% of Candidates passed
on their first attempt


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CIF Class of 2018 Examination 

**Cumulative Pass/Fail Statistics for the
Endodontics Examination
As of June 2018**

- 0.67% of candidates did not utilize all available opportunities to complete the Endodontics Examination.
- 99.72% of all candidates utilizing all opportunities available to complete the examination process passed the Endodontics Examination.

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CIF Class of 2018 Examinations 

Most Common Errors Contributing to Failure

Anterior Endodontic

1. Size
2. Fill above CEJ
3. Overfill / Underfill

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CIF Class of 2018 Examinations 

Most Common Errors Contributing to Failure

Posterior Endodontic


1. Size
2. Perforation
3. Placement

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CIF Class of 2018 Examination 

Anterior Restorative


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CIF Class of 2018 Examination 

Anterior Restorative Examination

94% of Candidates passed
on their first attempt


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CIF Class of 2018 Examination 

Cumulative Pass/Fail Statistics for the
Anterior Restorative Examination
As of June 2018

- 1.78% of candidates did not utilize all available opportunities to complete the Anterior Restorative Examination.
- 99.80% of all candidates utilizing all opportunities available to complete the examination process passed the Anterior Restorative Examination.

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CIF Class of 2018 Examination 

Most Common Errors Contributing to Failure

Composite Anterior Preparation

1. Caries
2. Gingival Contact
3. Adjacent Tooth Damage
4. Outline Extension

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CIF Class of 2018 Examination 

Most Common Errors Contributing to Failure

Composite Anterior Restoration


1. Interproximal Contact (open/irregular)
2. Margin Excess
3. Margin Deficiency

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CIF Class of 2018 Examination 

Posterior Restorative


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CIF Class of 2018 Examination 

Posterior Restorative Examination

93% of Candidates passed
on their first attempt


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CIF Class of 2018 Examination 

**Cumulative Pass/Fail Statistics for the
Posterior Restorative Examination
As of June 2018**

- 1.34% of candidates did not utilize all available opportunities to complete the Posterior Restorative Examination.
- 99.64% of all candidates utilizing all opportunities available to complete the examination process passed the Posterior Restorative Examination.

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CIF Class of 2018 Examination 

Most Common Errors Contributing to Failure

Composite Posterior Preparation

1. Caries
2. Gingival Contact
3. Adjacent Tooth Damage
4. Pulpal Floor (under)

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CIF Class of 2018 Examination 

Most Common Errors Contributing to Failure

Composite Posterior Restoration


1. Interproximal Contact (open/irregular)
2. Interproximal Contact (closed)
3. Margin Excess
4. Margin Deficiency

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CIF Class of 2018 Examination 

Periodontal

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CIF Class of 2018 Examination 

Periodontal Examination

98% of Candidates passed
on their first attempt

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CIF Class of 2018 Examination



Cumulative Pass/Fail Statistics for the
Periodontal Examination
As of June 2018

- 4.31% of candidates did not utilize all available opportunities to complete or elected to not take the Periodontal Examination
- 99.96% of all candidates utilizing all opportunities available to complete the examination process passed the Periodontal Examination.

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CIF Class of 2018 Examination



Most Common Errors Contributing to Failure

Periodontal Examination

1. Calculus Detection/Removal
2. Case Acceptance

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CIF Class of 2018 Examination



Cumulative Pass/Fail Statistics
As of June 2018

Used All Opportunities, CIF Candidates, Perio Optional

- 4.07% of candidates did not utilize all available opportunities to complete the examination process.
- 99.22% of all candidates utilizing all opportunities available to complete the examination process passed all parts of the examination.

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CIF Class of 2018 Examination

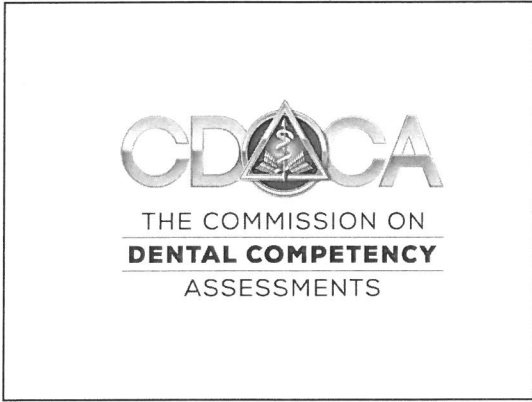
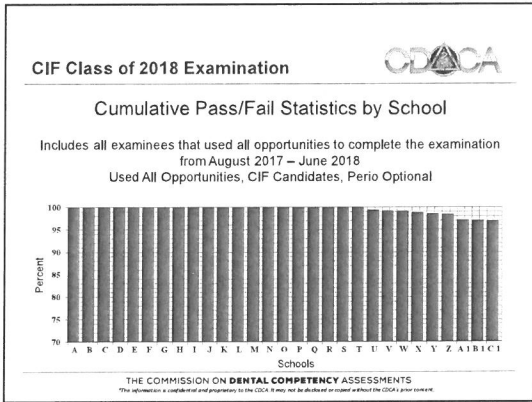


Cumulative Pass/Fail Statistics
As of June 2018

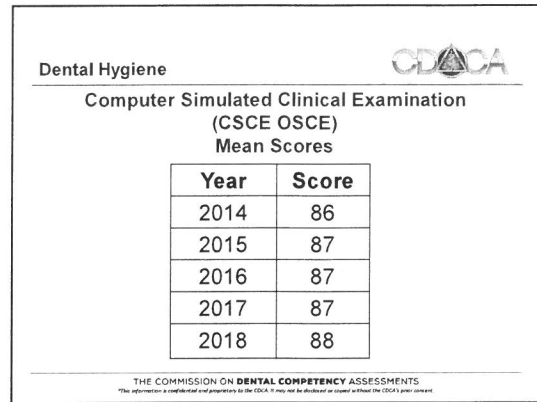
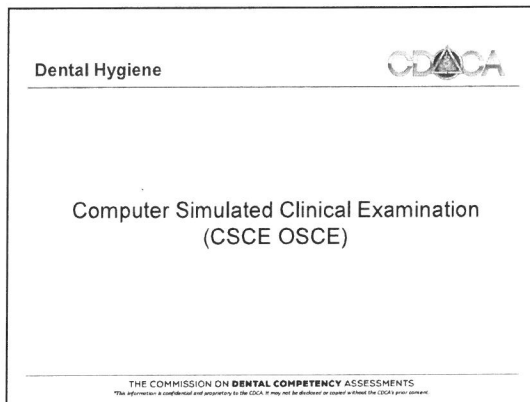
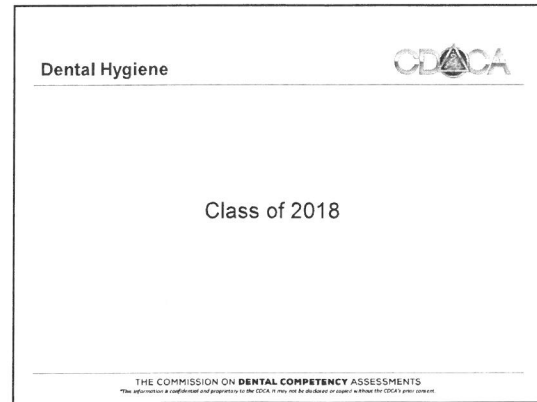
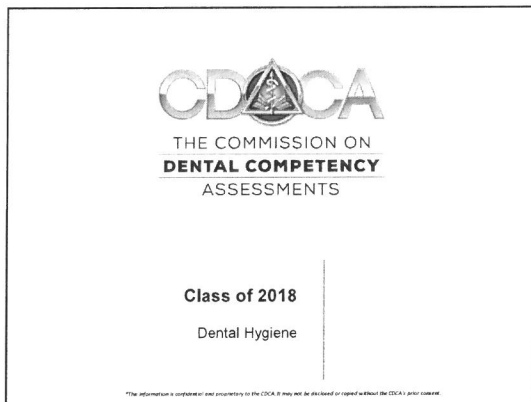
Used All Opportunities, CIF Candidates, Perio Optional

Examination	Percent Pass
DSE OSCE	100.00%
Endodontics	99.72%
Prosthodontics	99.84%
Anterior Restor.	99.80%
Posterior Restor.	99.64%

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10/9/2018



10/9/2018

Dental Hygiene




**Computer Simulated Clinical Examination
(CSCE OSCE)**
Performance Evaluation 2018
All candidates, as of June 30, 2018

Number of Items:	100
High Score (in percent):	99%
Low Score (in percent)	55%
Percent of Candidates Passed	97%
Mean Percentage Score:	88%

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Dental Hygiene




Spring 2018 Dental Hygiene First Attempt Pass Rate
Took Both Examinations Spring 2018, Current Graduates, as of June 30, 2018
Current Graduates

	Pass Rate
Computer Simulated Clinical Examination (CSCE OSCE)	98%

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Dental Hygiene




**Patient Treatment
Clinical Examination**

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Dental Hygiene




Spring 2018 Dental Hygiene First Attempt Pass Rate
Took Both Examinations Spring 2018, Current Graduates, as of June 30, 2018
Current Graduates

	Pass Rate
Patient Treatment Clinical Examination	87%

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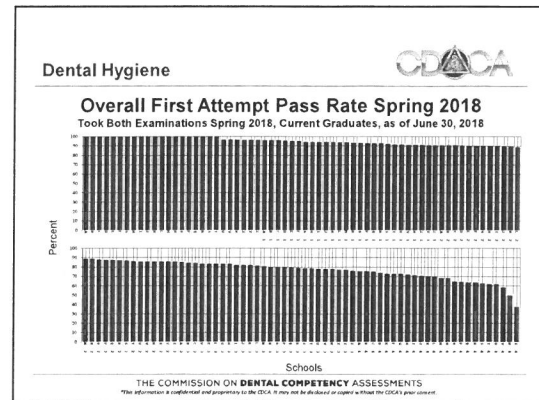
Dental Hygiene 


Patient Treatment

Most Common Errors Contributing to Failure

1. Calculus Removal
2. Calculus Detection

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Dental Hygiene 


Local Anesthesia Examination

Site: Prometric Testing Centers

Format: 50 multiple choice questions with 5 pilot questions

Topics Covered:
 Anatomy and Neurophysiology
 Pharmacology
 Techniques
 Topical Anesthetics
 Infection Control
 Prevention, Recognition, and Management of Complications

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Dental Hygiene 

Local Anesthesia Examination

Initiated: November 21, 2002

Availability: Throughout USA and Canada


Candidates in 2018: 1268 (as of June 30, 2018)

Overall Pass Rate: 86%

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10/9/2018

Dental Hygiene



Nitrous Oxide Examination

Site: Prometric Testing Centers


Format: 50 multiple choice questions with 5 pilot questions

Topics Covered:

- Concepts and management of pain and anxiety
- Anatomy and physiology of respiration
- Pharmacology of Nitrous Oxide
- Medical assessment of the patient prior to using Nitrous Oxide
- Administration of Nitrous Oxide
- Management of complications and medical emergencies
- Postoperative care of the patient

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Dental Hygiene



Nitrous Oxide Examination

Start-Up Date: January 2006

Availability: Throughout USA and Canada

Candidates in 2016: 354 (as of June 30, 2018)

Overall Pass Rate: 89%

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CITA

2017 ADEX DENTAL HYGIENE EXAMINATION

All results compiled from exams administered between 1 JAN 2017 and 31 DEC 2017

Patient Treatment Clinical Examination		
	DH only	DH & ADHP
Total Procedure Attempts:	496	669
Total Passes:	419	554
2017 1st Attempt Passes:	358	459
2017 2nd or 3rd Attempt Passes:	61	95
Total Failures:	74	111
2017 1st attempt failure, not retaken in 2017:	1	3
2017 1st attempt failure, passed 2nd attempt in 2017:	54	88
2017 1st attempt failure, failed 2nd attempt in 2017:	10	11
2017 2nd attempt failure, passed 3rd attempt in 2017:	7	7
2017 2nd attempt failure, failed 3rd attempt in 2017:	2	2
Overall Pass Rate:	84%	83%
* 2017 2nd attempt failure, no 3rd attempt in 2017:	1	2



CITA

2017 CITA-ADMINISTERED ADEX EXAM PROCEDURE ATTEMPT STATISTICS

***All results compiled from exams administered between 1 JAN 2017 and 31 DEC 2017**

Anterior Restorative

Total Procedure Attempts:	551
Total Passes:	511
Total Failures:	40
Overall Pass Rate:	93%
Total candidates: 567, 16 exam not taken	

Prosthodontic

Total Procedure Attempts:	694
Total Passes:	537
Total Failures:	157
Overall Pass Rate:	77%

Posterior Restorative

Total Procedure Attempts:	544
Total Passes:	511
Total Failures:	33
Overall Pass Rate:	94%
Total candidates: 562, 18 exam not taken	

Endodontic

Total Procedure Attempts:	657
Total Passes:	548
Total Failures:	109
Overall Pass Rate:	83%

Periodontal

Total Procedure Attempts:	509
Total Passes:	492
Total Failures:	17
Overall Pass Rate:	97%