

**THE MANDATED DENTAL
EXAMINATION COMPLIANCE AND
DENTAL HEALTH STATUS
OF ILLINOIS CHILDREN IN
KINDERGARTEN AND THE SECOND AND
SIXTH GRADES
FOR THE 2012-2013 SCHOOL YEAR**

**ILLINOIS STATE BOARD OF EDUCATION
DATA ANALYSIS AND ACCOUNTABILITY DIVISION**

MARCH 2014

**Gery J. Chico, Chairman
State Board of Education**

**Christopher A. Koch, Ed.D.
State Superintendent of Education**

TABLE OF CONTENTS

Foreword	i
Background	ii
Major Findings	1
Limitations	2
Procedure	3
Results	4
Compliance and Health Status Data	4
Statewide Compliance	4
Public School Compliance	4
Nonpublic School Compliance	5
Kindergarten Compliance	5
Grade 2 Compliance	5
Grade 6 Compliance	5
Statewide Health Status	5
Kindergarten Health Status	6
Grade 2 Health Status	6
Grade 6 Health Status	6
Appendix	8
Table 1. 2012-2013 Dental Examination Summary of Reported Educational Facilities	8
Table 2. 2012-2013 Dental Examination Status for All Reported Illinois Public and Nonpublic School Students	9
Table 3. 2012-2013 Dental Examination Status for All Reported Illinois Public School Students	10
Table 4. 2012-2013 Dental Examination Status for All Reported Illinois Nonpublic School Students	11
Table 5. 2012-2013 Dental Examination Status of Students in Kindergarten in All Reported Public and Nonpublic Educational Facilities	12

Table 6.	2012-2013 Dental Examination Status of Students in Grade 2 in All Reported Public and Nonpublic Educational Facilities	13
Table 7.	2012-2013 Dental Examination Status of Students in Grade 6 in All Reported Public and Nonpublic Educational Facilities	14
Table 8.	2012-2013 Dental Health Status of All Students in All Reported Public and Nonpublic Educational Facilities	15
Table 9.	2012-2013 Dental Health Status of Students in Kindergarten in All Reported Public and Nonpublic Educational Facilities	16
Table 10.	2012-2013 Dental Health Status of Students in Grade 2 in All Reported Public and Nonpublic Educational Facilities	17
Table 11.	2012-2013 Dental Health Status of Students in Grade 6 in All Reported Public and Nonpublic Educational Facilities	18

FOREWORD

Dental examination data are collected annually from Illinois public and nonpublic schools. This report is a compilation of the 2012-2013 data on the dental examination compliance status of Illinois school-age students. The interpretations and conclusions expressed herein are based the available data and do not necessarily reflect the official position or policy of the Illinois State Board of Education (ISBE). Inquiries regarding this report may be directed to David Smalley in the ISBE Data Analysis and Accountability Division at 217/785-1668.

BACKGROUND

As mandated by Section 27-8.1 of the Illinois School Code [105 ILCS 5/27-8.1], all Illinois children entering kindergarten and grades 2 and 6 are to have dental examinations by May 15 of each school year to be in compliance with the requirements established by the Illinois Department of Public Health. In addition, the Illinois School Code requires all public school districts and nonpublic schools to submit annually to ISBE completed surveys summarizing the dental compliance status of enrolled students in kindergarten and grades 2 and 6 by June 30 of each school year. This report summarizes the statewide dental examination compliance and dental health data.

MAJOR FINDINGS

The 2012-2013 dental examination and health status of school-age students in kindergarten and grades 2 and 6, as reported by Illinois schools (excluding City of Chicago School District 299), reveals the following facts and figures:

- The compliance level of all students in all reported schools is 66.1%.
- The compliance level of public school students in all reported schools is 63.2%.
- The compliance level of nonpublic school students in all reported schools is 93.9%.
- A statewide total of 174,059 reported students (33.9% of the total reported student enrollment of 465,010) were not in compliance with the dental examination mandates as of May 15.
- The compliance level of all reported students in kindergarten was 71.0%. Compliance rates for public and nonpublic schools were 62.0% and 95.0%, respectively.
- The compliance level of all reported students in grade 2 was 63.3%. Compliance rates for public and nonpublic schools were 60.3% and 93.6%, respectively.
- The compliance level of all reported students in grade 6 was 63.0%. Compliance rates for public and nonpublic schools were 61.2% and 97.7%, respectively.
- Compliance levels obtained for nonpublic schools were much higher than those for public schools, by overall measure and grade level.
- Indices of dental health for nonpublic school students are better overall compared to public school students.

LIMITATIONS

The following should be considered when interpreting the results provided in this report:

- Dental examination data represent 2,937 public schools and 856 nonpublic schools.
- Public school dental examination data represent 756 Illinois public school districts that serve any combination of kindergarten and grades 2 and 6.
- In some instances, the total percentage may not add up to 100 percent due to rounding.

PROCEDURE

Data collection instruments and procedures used to collect dental examination data were developed by ISBE staff in consultation with staff from the Illinois Department of Public Health. The 2012-2013 data collection was conducted using an online system.

School administrators were required to provide information on the total number of students enrolled, the number of students who have received the required dental examination, the number of students with or without dental sealants; the number of students with or without caries experience; the number of students with or without untreated caries; the number of students who need urgent dental treatment; the number of students who have not received the required dental examination, the number of students who are exempt from the dental examination on religious, medical, or disability grounds, the number of students who have received a waiver or exemption, and the number of students with scheduled appointments. The online dental examination survey must be completed annually by June 30.

RESULTS

Compliance and Health Status Data

Dental data for students in kindergarten and grades 2 and 6 only were provided by Illinois school officials and calculated for compliance. Data reported by school officials show overall compliance with the requirements of the dental examination mandate. Students not in compliance may have their report cards withheld by school authorities.

Students were identified as being in compliance with state law if they presented proof of dental examination; had exemptions for religious, medical or disability reasons on file with the local school authority; had received a waiver for the dental examination due to 1) being enrolled in the free and reduced price lunch program and not covered by private or public dental insurance (Medicaid/All Kids); 2) being enrolled in the free or reduced-price lunch program and ineligible for public insurance (Medicaid/All Kids); 3) being enrolled in Medicaid/All Kids but unable to locate a dentist or dental clinic in the community to examine the child and who will accept Medicaid/All Kids; or 4) having no medical or dental insurance coverage and there were no low-cost dental clinics in the community that would examine the child; or were on an approved schedule for an dental examination.

Statewide Compliance

Table 1 in the Appendix (page 8) presents the 2012-2013 compliance levels for all reported Illinois school-age students in kindergarten and grades 2 and 6. The compliance level of 514,043 reported public and nonpublic school students in Illinois is 63.2%. Of this number, 331,412 students (64.5% of the total student enrollment) completed dental examinations; 5,572 students (1.7% of the total student enrollment) complied by obtaining a waiver, a religious exemption, or an approved schedule for an dental examination appointment; and 174,059 students (33.9% of the total student enrollment) were not in compliance with dental examination mandates (having not completed dental examination nor receive a waiver or exemption). (See Appendix, Table 2, page 9).

Public School Compliance

For Illinois public schools, the compliance level for the total 465,010 reported students is 76.56%. (See Appendix, Table 1, page 8). Of this number, 286,143 students (61.5% of the total student enrollment) completed dental examinations; 7,821 students (1.7% of the total student enrollment) complied by obtaining a waiver, a religious exemption, or an approved schedule for an dental examination appointment; and 171,046 students (36.8% of the total student enrollment) were not in compliance with dental examination mandates (having not completed dental examination nor receive a waiver or exemption). (See Appendix, Table 3 page 10).

Nonpublic School Compliance

For Illinois nonpublic schools, the compliance level for the total 49,033 reported students is 92.3%. (See Appendix, Table 1, page 8). Of this number, 46,020 students (93.9% of the total student enrollment) completed dental examinations; 751 students (1.5% of the total student enrollment) complied by obtaining a waiver, a religious exemption, or an approved schedule for an dental examination appointment; and 3,013 students (6.1% of the total student enrollment) were not in compliance with dental examination mandates (having not completed dental examination nor receive a waiver or exemption). (See Appendix, Table 4 page 11).

Kindergarten Compliance

Table 5 in the Appendix (page 12) displays the dental examination status for kindergarten students (statewide, public, and nonpublic facilities). The compliance percentage of all reported students is 72.0% for those in compliance with dental examinations, including those with waivers, exemptions, or approved schedules for dental examinations. The compliance rate for public schools was 61.0% and the compliance rate for nonpublic schools was 95.0%, which is generally higher than the public school compliance rate.

Grade 2 Compliance

Table 6 in the Appendix (page 13) displays the compliance percentage of all reported students in grade 2, which is 63.3% for those in compliance with dental examinations, including those with waivers, exemptions, or approved schedules for dental examinations. The compliance rate for public schools was 60.3% and the compliance rate for nonpublic schools was 93.6%, which is higher than the public school compliance rate.

Grade 6 Compliance

Table 7 in the Appendix (page 14) displays the compliance percentage of all reported students in grade 6, which is 63.0% for those in compliance with dental examinations, including those with waivers, exemptions, or approved schedules for dental examinations. The compliance rate for public schools was 61.2% and the compliance rate for nonpublic schools was 97.7%, which is higher than the public school compliance rate.

Statewide Health Status

Table 8 in the Appendix (page 15) presents the 2012-2013 health status for all reported students Illinois school age students in kindergarten and grades 2 and 6. There were 331,412 reported public and nonpublic school students in Illinois in compliance with completed dental examinations. Of this number, 113,883 students (34% of the total students in compliance with dental examination) had dental sealants; 102,248 students (31% of the total students in compliance with dental examination) had caries/restoration history; 56,967 students (17% of the total students in compliance with dental examination) had untreated caries; and 5,502 students

(2% of the total students in compliance with dental examination) needed urgent treatment. For public school students, the corresponding figures were 99,377 (35%); 89,784 (31%); 51,726 (18%); and 5,367 (2%). For nonpublic school students, the corresponding figures were 14,506 (32%); 12,464 (28%); 5,241 (12%); and 135 (0.2%). Overall, nonpublic school students have better health indices based on lower percentages of having dental treatments.

Kindergarten Health Status

Table 9 in the Appendix (page 16) displays the health status of all reported students in kindergarten. There were 122,768 reported public and nonpublic school students in Illinois in compliance with completed dental examinations. Of this number, 9,921 students (8% of the total students in compliance with dental examination) had dental sealants; 25,577 students (21% of the total students in compliance with dental examination) had caries/restoration history; 21,451 students (17% of the total students in compliance with dental examination) had untreated caries; and 2,095 students (2% of the total students in compliance with dental examination) needed urgent treatment. For public school students, the corresponding figures were 7,991 (8%); 22,437 (21%); 19,481 (18%); and 2,032 (2%). For nonpublic school students, the corresponding figures were 1,930 (11%); 3,140 (18%); 1,970 (11%); and 63 (0.4%). Overall, nonpublic school students have better health indices based on lower percentages of having dental treatments.

Grade 2 Health Status

Table 10 in the Appendix (page 17) displays the health status of all reported students in grade 2. There were 104,589 reported public and nonpublic school students in Illinois in compliance with completed dental examinations. Of this number, 41,508 students (40% of the total students in compliance with dental examination) had dental sealants; 35,914 students (34% of the total students in compliance with dental examination) had caries/restoration history; 20,595 students (20% of the total students in compliance with dental examination) had untreated caries; and 2,429 students (2% of the total students in compliance with dental examination) needed urgent treatment. For public school students, the corresponding figures were 36,394 (40%); 31,461 (35%); 18,692 (21%); and 2,381 (3%). For nonpublic school students, the corresponding figures were 5,014 (35%); 4,453 (31%); 1,903 (13%); and 48 (0.3%). Overall, nonpublic school students have better health indices based on lower percentages of having dental treatments.

Grade 6 Health Status

Table 11 in the Appendix (page 18) displays the health status of all reported students in grade 6. There were 104,055 reported public and nonpublic school students in Illinois in compliance with completed dental examinations. Of this number, 62,554 students (60% of the total students in compliance with dental examination) had dental sealants; 40,757 students (39% of the total students in compliance with dental examination) had caries/restoration history; 14,921 students (14% of the total students in compliance with dental examination) had untreated caries; and 978 students (1% of the total students in compliance with dental examination) needed urgent

treatment. For public school students, the corresponding figures were 54,992 (61%); 35,886 (40%); 13,553 (15%); and 954 (1%). For nonpublic school students, the corresponding figures were 7,562 (55%); 4,871 (36%); 1,368 (10%); and 24 (0.2%). Overall, nonpublic school students have better health indices based on lower percentages of having dental treatments.

APPENDIX

Table 1 2012-2013 Dental Examination Summary of Reported Educational Facilities

Compliance Status	<u>Public Schools</u>		<u>Nonpublic Schools</u>		<u>All Schools</u>	
	Number of Students	Percent	Number of Students	Percent	Number of Students	Percent
Students in Compliance as of May 15, 2013	293,964	63.2%	46,020	93.9%	339,984	66.1%
Students not in compliance	171,046	36.8%	3,013	6.1%	174,059	33.9%
All Students	465,010	100%	49,033	100%	514,043	100%

Table 2 2012-2013 Dental Examination Status for All Reported Illinois Public and Nonpublic School Students

Compliance Status	Number of Students	Percent
In compliance with complete dental examination	331,412	64.5%
Waiver:		
Enrolled in the free and reduced price lunch program and not covered by private or public dental insurance (Medicaid/All Kids)	780	0.2%
Enrolled in the free or reduced-price lunch program and ineligible for public insurance (Medicaid/All Kids)	213	0.0%
Enrolled in Medicaid/All Kids but unable to locate a dentist or dental clinic in the community to examine the child and who will accept Medicaid/All Kids	703	0.1%
Does not have medical or dental insurance and there are no low-cost dental clinics in the community that will examine the child	998	0.2%
Religious exemption	55	0.0%
Approved appointment scheduled	5,756	1.1%
Unable to complete a dental examination due to a medical reason	23	0.0%
Unable to complete a dental examination due to a disability	44	0.0%
Students not in compliance	174,059	33.9%
All Students	514,043	100%

Table 3 2012-2013 Dental Examination Status for All Reported Illinois Public School Students

Compliance Status	Number of Students	Percent
In compliance with complete dental examination	286,143	61.5%
Waiver:		
Enrolled in the free and reduced price lunch program and not covered by private or public dental insurance (Medicaid/All Kids)	717	0.2%
Enrolled in the free or reduced-price lunch program and ineligible for public insurance (Medicaid/All Kids)	194	0.0%
Enrolled in Medicaid/All Kids but unable to locate an dentist or dental clinic in the community to examine the child and who will accept Medicaid/All Kids	616	0.1%
Does not have medical or dental insurance and there are no low-cost dental clinics in the community that will examine the child	960	0.2%
Religious exemption	37	0.0%
Approved appointment scheduled	5,237	1.1%
Unable to complete a dental examination due to a medical reason	17	0.0%
Unable to complete a dental examination due to a disability	43	0.0%
Students not in compliance	171,046	36.8%
All Students	465,010	100%

Table 4 2012-2013 Dental Examination Status for All Reported Illinois Nonpublic School Students

Compliance Status	Number of Students	Percent
In compliance with complete dental examination	45,269	92.3%
Waiver:		
Enrolled in the free and reduced price lunch program and not covered by private or public dental insurance (Medicaid/All Kids)	63	0.1%
Enrolled in the free or reduced-price lunch program and ineligible for public insurance (Medicaid/All Kids)	19	0.0%
Enrolled in Medicaid/All Kids but unable to locate an dentist or dental clinic in the community to examine the child and who will accept Medicaid/All Kids	87	0.2%
Does not have medical or dental insurance and there are no low-cost dental clinics in the community that will examine the child	38	0.1%
Religious exemption	18	0.0%
Approved appointment scheduled	519	1.1%
Unable to complete a dental examination due to a medical reason	6	0.0%
Unable to complete a dental examination due to a disability	1	0.0%
Students not in compliance	3,013	6.1%
All Students	49,033	100%

Table 5 2012-2013 Dental Examination Status of Kindergarten Students in All Reported Illinois Public and Nonpublic Educational Facilities

Compliance Status	Number of Students	Percent
In compliance with complete dental examination	122,768	71.0%
Waiver:		
Enrolled in the free and reduced price lunch program and not covered by private or public dental insurance (Medicaid/All Kids)	285	0.2%
Enrolled in the free or reduced-price lunch program and ineligible for public insurance (Medicaid/All Kids)	56	0.0%
Enrolled in Medicaid/All Kids but unable to locate an dentist or dental clinic in the community to examine the child and who will accept Medicaid/All Kids	202	0.1%
Does not have medical or dental insurance and there are no low-cost dental clinics in the community that will examine the child	374	0.2%
Religious exemption	19	0.0%
Approved appointment scheduled	715	0.4%
Unable to complete a dental examination due to a medical reason	10	0.0%
Unable to complete a dental examination due to a disability	17	0.0%
Students not in compliance	48,368	28.0%
All Students	172,814	100%

Table 6 2012-2013 Dental Examination Status of Students in Grade 2 in All Reported Illinois Public and Nonpublic Educational Facilities

Compliance Status	Number of Students	Percent
In compliance with complete dental examination	104,589	60.8%
Waiver:		
Enrolled in the free and reduced price lunch program and not covered by private or public dental insurance (Medicaid/All Kids)	261	0.2%
Enrolled in the free or reduced-price lunch program and ineligible for public insurance (Medicaid/All Kids)	71	0.0%
Enrolled in Medicaid/All Kids but unable to locate an dentist or dental clinic in the community to examine the child and who will accept Medicaid/All Kids	242	0.1%
Does not have medical or dental insurance and there are no low-cost dental clinics in the community that will examine the child	321	0.2%
Religious exemption	19	0.0%
Approved appointment scheduled	3,411	2.0%
Unable to complete a dental examination due to a medical reason	6	0.0%
Unable to complete a dental examination due to a disability	15	0.0%
Students not in compliance	63,148	36.7%
All Students	172,083	100%

Table 7 2012-2013 Dental Examination Status of Students in Grade 6 in All Reported Illinois Public and Nonpublic Educational Facilities

Compliance Status	Number of Students	Percent
In compliance with complete dental examination	104,055	61.5%
Waiver:		
Enrolled in the free and reduced price lunch program and not covered by private or public dental insurance (Medicaid/All Kids)	234	0.1%
Enrolled in the free or reduced-price lunch program and ineligible for public insurance (Medicaid/All Kids)	86	0.1%
Enrolled in Medicaid/All Kids but unable to locate an dentist or dental clinic in the community to examine the child and who will accept Medicaid/All Kids	259	0.2%
Does not have medical or dental insurance and there are no low-cost dental clinics in the community that will examine the child	303	0.2%
Religious exemption	17	0.0%
Approved appointment scheduled	1,630	1.0%
Unable to complete a dental examination due to a medical reason	7	0.0%
Unable to complete a dental examination due to a disability	12	0.0%
Students not in compliance	62,543	37.0%
All Students	169,146	100%

Table 8 2012-2013 Dental Health Status of All Students in All Reported Illinois Public and Nonpublic Educational Facilities

Compliance Status	<u>Public Schools</u>		<u>Nonpublic Schools</u>		<u>All Schools</u>	
	Number of Students	Percent	Number of Students	Percent	Number of Students	Percent
In compliance with complete dental examination	286,143	---	45,269	---	331,412	---
Dental sealants: With	99,377	35%	14,506	32%	113,883	34%
Dental sealants: Without	169,041	59%	28,661	63%	197,702	60%
Dental sealants: Unknown	17,726	6%	2,102	5%	19,828	6%
Caries experience/restoration history: With	89,784	31%	12,464	28%	102,248	31%
Caries experience/restoration history: Without	177,577	62%	30,656	68%	208,233	63%
Caries experience/restoration history: Unknown	18,782	7%	2,149	5%	20,931	6%
Untreated caries: With	51,726	18%	5,241	12%	56,967	17%
Untreated caries: Without	214,601	75%	37,539	83%	252,140	76%
Untreated caries: Unknown	19,821	7%	2,489	5%	22,310	7%
Needing urgent treatment	5,367	2%	135	0%	5,502	2%

Table 9 2012-2013 Dental Health Status of Students in Kindergarten in All Reported Illinois Public and Nonpublic Educational Facilities

Compliance Status	<u>Public Schools</u>		<u>Nonpublic Schools</u>		<u>All Schools</u>	
	Number of Students	Percent	Number of Students	Percent	Number of Students	Percent
In compliance with complete dental examination	105,575	---	17,193	---	122,768	---
Dental sealants: With	7,991	8%	1,930	11%	9,921	8%
Dental sealants: Without	87,971	83%	14,407	84%	102,378	83%
Dental sealants: Unknown	9,613	9%	856	5%	10,469	9%
Caries experience/restoration history: With	22,437	21%	3,140	18%	25,577	21%
Caries experience/restoration history: Without	73,339	69%	13,225	77%	86,564	71%
Caries experience/restoration history: Unknown	9,800	9%	828	5%	10,628	9%
Untreated caries: With	19,481	18%	1,970	11%	21,451	17%
Untreated caries: Without	76,199	72%	14,305	83%	90,504	74%
Untreated caries: Unknown	9,895	9%	918	5%	10,813	9%
Needing urgent treatment	2,032	2%	63	0%	2,095	2%

Table 10 2012-2013 Dental Health Status of Students in Grade 2 in All Reported Illinois Public and Nonpublic Educational Facilities

Compliance Status	Public Schools		Nonpublic Schools		All Schools	
	Number of Students	Percent	Number of Students	Percent	Number of Students	Percent
In compliance with complete dental examination	90,168	---	14,421	---	104,589	---
Dental sealants: With	36,394	40%	5,014	35%	41,408	40%
Dental sealants: Without	48,418	54%	8,756	61%	57,174	55%
Dental sealants: Unknown	5,356	6%	651	5%	6,007	6%
Caries experience/restoration history: With	31,461	35%	4,453	31%	35,914	34%
Caries experience/restoration history: Without	53,189	59%	9,288	64%	62,477	60%
Caries experience/restoration history: Unknown	5,518	6%	680	5%	6,198	6%
Untreated caries: With	18,692	21%	1,903	13%	20,595	20%
Untreated caries: Without	65,656	73%	11,721	81%	77,377	74%
Untreated caries: Unknown	5,824	6%	797	6%	6,621	6%
Needing urgent treatment	2,381	3%	48	0%	2,429	2%

Table 11 2012-2013 Dental Health Status of Students in Grade 6 in All Reported Illinois Public and Nonpublic Educational Facilities

Compliance Status	<u>Public Schools</u>		<u>Nonpublic Schools</u>		<u>All Schools</u>	
	Number of Students	Percent	Number of Students	Percent	Number of Students	Percent
In compliance with complete dental examination	90,400	---	13,655	---	104,055	---
Dental sealants: With	54,992	61%	7,562	55%	62,554	60%
Dental sealants: Without	32,652	36%	5,498	40%	38,150	37%
Dental sealants: Unknown	2,757	3%	595	4%	3,352	3%
Caries experience/restoration history: With	35,886	40%	4,871	36%	40,757	39%
Caries experience/restoration history: Without	51,049	56%	8,143	60%	59,192	57%
Caries experience/restoration history: Unknown	3,465	4%	641	5%	4,106	4%
Untreated caries: With	13,553	15%	1,368	10%	14,921	14%
Untreated caries: Without	72,746	80%	11,513	84%	84,259	81%
Untreated caries: Unknown	4,102	5%	774	6%	4,876	5%
Needing urgent treatment	954	1%	24	0%	978	1%