

Dental Examination Compliance
Status of Kindergarten, Second,
and Sixth Grade Children in
Illinois for
School Year 2013-2014

Illinois State Board of Education

Data Analysis Division

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James T. Meeks, Chairman

State Board of Education

Tony Smith, Ph.D.

State Superintendent of Education

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Forward

Dental examination data are collected annually from Illinois public and nonpublic schools. This report is a compilation of the 2013-2014 data on the dental examination compliance status of Illinois school-age students. The interpretations and conclusions expressed herein are based on 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 Marjorie Ribeiro in the Data Analysis Division at (312) 814-7239.

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, grades 2, and/or 6 by June 30 of each school year. This report summarizes the statewide dental examination compliance and dental health status.

Methodology

Data collection instruments and procedures used to collect dental data were developed by ISBE staff in consultation with staff from the Illinois Department of Public Health. The 2013-2014 data collection was conducted using an online system. The online dental examination survey must be completed annually by June 30. The 2013-2014 dental examination data represent 2,645 public schools, including 281 schools from the City of Chicago School District 299, and 803 registered nonpublic schools as of May 15, 2014.

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, and the number of students with scheduled appointments. Students were identified as being in compliance with state law if they presented proof of dental examination, had exemptions for religious or medical reasons on file with the local school authority, or were on an approved schedule for completion of dental examination. Students not in compliance may have their report cards withheld by school authorities until their dental examinations are in compliance with state law.

The following analysis is conducted with the understanding of compliance. Percentage of compliance is calculated by taking the number of students in compliance, i.e.:

- number of students with exemptions for religious, medical, or disability reasons;
- number of students who had received a waiver for the dental examination due to
 - being enrolled in the free and reduced price lunch program and not covered by private or public dental insurance (Medicaid/All Kids)
 - being enrolled in the free and reduced price lunch program and ineligible for public insurance (Medicaid/All Kids)
 - being enrolled in Medicaid/All Kids but unable to locate a dentist or dental clinic in the community to examine the child who will accept Medicaid/All Kids, or
 - having no medical or dental insurance coverage and there were no low-cost dental clinics in the community that would examine the child
- the number of students who were on an approved schedule for a dental examination

and taking these numbers divided by all students, and multiplied by 100.

Limitations

The validity of the data reported is subject to limitations of the aggregate data collection and data collection timeframe. Data is collected at the school level, but there is a potential for double counting at the school level or at the district level. The current system allows for numerous stakeholders to revise data. At this time, the dental data collection takes place May through June, when some schools and districts may be closed for the school year. This has made data submission difficult to complete when offices are closed. One public school district submitted, but with incomplete data specifically missing the variable of ‘students comply with dental examination but unknown dental sealants/Caries Experience/Restoration history/untreated caries.’

Data analyzed from this data collection portal is limited to the frequency counts provided by schools, to those deemed sufficient by ISBE, and those approved at an appropriate level by the submitting public school district (for public schools) or nonpublic school.

School Year 2014 Results

Compliance and Health Status Data

Statewide Compliance

Table 1 presents the 2013-2014 compliance levels for all reported Illinois school-age students in kindergarten and grades 2 and 6. The compliance level of 464,181 reported public and nonpublic school students in Illinois is 71.4%.

Table 1. 2013-2014 Dental Examination Compliance Summary of Reported Educational Facilities

Compliance Status	Public Schools		Nonpublic Schools		All Schools	
	Number of Students	Percent	Number of Students	Percent	Number of Students	Percent
Students in Compliance as of May 15, 2014	287,944	68.9	43,260	93.7	331,204	71.4
Students not in compliance	130,069	31.1	2,908	6.3	132,977	28.7
All students	418,013	100.0	46,168	100.0	464,181	100.0

Of this number, 325,894 students (70.2% of the total student enrollment) completed dental examinations; 5,310 students (1.1% of the total student enrollment) complied by obtaining a waiver, a religious exemption, or an approved schedule for an dental examination appointment; and 132,977 students (28.7% 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 Table 2).

Table 2. 2013-2014 Dental Examination Status for All Reported Illinois Public and Nonpublic School Students

Compliance Status	Number of Students	Percent
In compliance with complete dental examination	325,894	70.2
Waiver:		
Enrolled in the free and reduced price lunch program and not covered by private or public dental insurance (Medicaid/All Kids)	1,142	0.2
Enrolled in the free and reduced price lunch program and ineligible for public insurance (Medicaid/All Kids)	283	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	711	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	583	0.1
Religious exemption	35	0.0

Approved appointment scheduled	2,434	0.5
Unable to complete a dental examination due to a medical reason	75	0.0
Unable to complete a dental examination due to a disability	47	0.0
Students not in compliance	132,977	28.7
All students	464,181	100.0

Public School Compliance

For Illinois public schools, the compliance level for the total reported students (417,329) is 68.9% (See Table 1). Of this number, 283,319 students (67.8% of the total student enrollment) completed dental examinations; 4,625 students (1.1% of the total student enrollment) complied by obtaining a waiver, a religious exemption, or an approved schedule for a dental examination appointment; and 130,069 students (31.2% 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 Table 3).

Table 3. 2013-2014 Dental Examination Status for All Reported Illinois Public School Students

Compliance Status	Number of Students	Percent
In compliance with complete dental examination	283,319	67.8
Waiver:		
Enrolled in the free and reduced price lunch program and not covered by private or public dental insurance (Medicaid/All Kids)	1,031	0.2
Enrolled in the free and reduced price lunch program and ineligible for public insurance (Medicaid/All Kids)	263	0.1
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	684	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	503	0.1
Religious exemption	17	0.0
Approved appointment scheduled	2,011	0.5
Unable to complete a dental examination due to a medical reason	69	0.0
Unable to complete a dental examination due to a disability	47	0.0
Students not in compliance	130,069	31.2
All students	418,013	100.0

Nonpublic School Compliance

For Illinois nonpublic schools, the compliance level for the total 46,168 reported students is 93.7% (See Table 1). Of this number, 42,575 students (92.2% of the total student enrollment) completed dental examinations; 685 students (1.5% of the total student enrollment) complied by obtaining a waiver, a religious exemption, or an approved schedule for a dental examination appointment; and 2,908 students (6.3% 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 Table 4).

Table 4. 2013-2014 Dental Examination Status for All Reported Illinois Nonpublic School Students

Compliance Status	Number of Students	Percent
In compliance with complete dental examination	42,575	92.2
Waiver:		
Enrolled in the free and reduced price lunch program and not covered by private or public dental insurance (Medicaid/All Kids)	111	0.2
Enrolled in the free and reduced price lunch program and ineligible for public insurance (Medicaid/All Kids)	20	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	27	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	80	0.2
Religious exemption	18	0.0
Approved appointment scheduled	423	0.9
Unable to complete a dental examination due to a medical reason	6	0.0
Unable to complete a dental examination due to a disability	--	--
Students not in compliance	2,908	6.3
All students	46,168	100.0

Kindergarten Compliance

Table 5 displays the dental examination status for kindergarten students (including those in statewide, public, and nonpublic facilities). The compliance percentage of all reported students is 77.7% 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 75.6%, and the compliance rate for nonpublic schools was 94.7%, which is generally higher than the public school compliance rate.

Table 5. 2013-2014 Dental Examination Status for Kindergarten Students in All Reported Illinois Public and Nonpublic School Students

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	101,213	74.5	16,036	93.4	117,249	76.7
Waiver:						
Enrolled in the free and reduced price lunch program and not covered by private or public dental insurance (Medicaid/All Kids)	288	0.2	46	0.3	334	0.2
Enrolled in the free and reduced price lunch program and ineligible for public insurance (Medicaid/All Kids)	69	0.1	8	0.0	77	0.1
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	247	0.2	8	0.0	255	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	170	0.1	36	0.2	206	0.1
Religious exemption	5	0.0	8	0.0	13	0.0
Approved appointment scheduled	566	0.4	115	0.7	681	0.4
Unable to complete a dental examination due to a medical reason	33	0.0	2	0.0	35	0.0
Unable to complete a dental examination due to a disability	16	0.0	--	--	16	0.0
Students not in compliance	33,161	24.4	908	5.3	34,069	22.3

All students	135,768	100.0	17,167	100.0	152,935	100.0
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Grade 2 Compliance

Table 6 displays the compliance percentage of all reported students in grade 2, which is 68.9% 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 66.4% and the compliance rate for nonpublic schools was 93.1%, which is higher than the public school compliance rate.

Table 6 2013-2014 Dental Examination Status of Students in Grade 2 in All Reported Illinois Public and Nonpublic School Students

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	91,895	65.3	13,587	91.5	105,482	67.8
Waiver:						
Enrolled in the free and reduced price lunch program and not covered by private or public dental insurance (Medicaid/All Kids)	198	0.1	32	0.2	230	0.1
Enrolled in the free and reduced price lunch program and ineligible for public insurance (Medicaid/All Kids)	94	0.1	5	0.0	99	0.1
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	222	0.2	10	0.1	232	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	181	0.1	25	0.2	206	0.1

Religious exemption	5	0.0	7	0.0	12	0.0
Approved appointment scheduled	739	0.5	156	1.1	895	0.6
Unable to complete a dental examination due to a medical reason	32	0.0	1	0.0	33	0.0
Unable to complete a dental examination due to a disability	20	0.0	--	--	20	0.0
Students not in compliance	47,286	33.6	1,025	6.9	48,311	31.1
All students	140,672	100.0	14,848	100.0	155,520	100.0

Grade 6 Compliance

Table 7 displays the compliance percentage of all reported students in grade 6, which is 67.5% 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 64.9% and the compliance rate for nonpublic schools was 93.1%, which is higher than the public school compliance rate.

Table 7 2013-2014 Dental Examination Status of Students in Grade 6 in All Reported Illinois Public and Nonpublic School Students

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	90,211	63.8	12,952	91.5	103,163	66.2
Waiver:						
Enrolled in the free and reduced price lunch program and not covered by private or public dental insurance (Medicaid/All Kids)	545	0.4	33	0.2	578	0.4
Enrolled in the free and reduced price lunch program and ineligible for public insurance (Medicaid/All Kids)	100	0.1	7	0.0	107	0.1
Enrolled in Medicaid/All Kids but unable to locate a dentist or dental clinic	215	0.2	9	0.1	224	0.1

in the community to examine the child and who will accept Medicaid/All Kids						
Does not have medical or dental insurance and there are no low-cost dental clinics in the community that will examine the child	152	0.1	19	0.1	171	0.1
Religious exemption	7	0.0	3	0.0	10	0.0
Approved appointment scheduled	706	0.5	152	1.1	858	0.6
Unable to complete a dental examination due to a medical reason	4	0.0	3	0.0	7	0.0
Unable to complete a dental examination due to a disability	11	0.0	--	--	11	0.0
Students not in compliance	49,622	35.1	975	6.9	50,597	32.5
All students	141,573	100.0	14,153	100.0	155,726	100.0

Statewide Health Status

Table 8 presents the 2013-2014 health status for all reported Illinois students in kindergarten and grades 2 and 6. There were 325,894 reported public and nonpublic school students in Illinois in compliance with completed dental examinations. Of this number, 113,305 students (34.8% of the total students in compliance with dental examination) had dental sealants; 99,089 students (30.6% of the total students in compliance with dental examination) had caries/restoration history; 54,535 students (16.7% of the total students in compliance with dental examination) had untreated caries; and 5,049 students (1.1% of the total students in compliance with dental examination) needed urgent treatment. For public school students, the corresponding figures were 99,648 (35.2%); 87,352 (31.1%); 49,771 (17.5%); and 4,904 (1.2%). For nonpublic school students, the corresponding figures were 13,657 (32.1%); 11,737 (27.6%); 4,764 (11.2%); and 145 (0.3%). Overall, nonpublic school students have better health indices based on lower percentages of having dental treatments.

Table 8 2013-2014 Dental Health Status of All Students in All Reported Illinois Public and Nonpublic School 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	283,319	--	42,575	--	325,894	--
Dental Sealants:						
With	99,648	35.2	13,657	32.1	113,305	34.8
Without	179,218	63.3	26,745	62.8	205,963	63.2
Unknown	4,453	1.6	2,173	5.1	6,626	2.0
Caries Experience/Restoration history:						
With	87,352	31.1	11,737	27.6	99,089	30.6
Without	188,101	67.0	28,326	66.5	216,427	66.9
Unknown	5,326	1.9	2,512	5.9	7,838	2.4
Untreated Caries						
With	49,771	17.5	4,764	11.2	54,535	16.7
Without	228,135	80.4	35,006	82.2	263,141	80.6
Unknown	5,814	2.0	2,805	6.6	8,619	2.6
Needing Urgent Treatment	4,904	1.2	145	0.3	5,049	1.1

Kindergarten Health Status

Table 9 displays the health status of all reported students in kindergarten. There were 325,894 reported public and nonpublic school students in Illinois in compliance with completed dental examinations. Of this number, 10,078 students (8.6% of the total students in compliance with dental examination) had dental sealants; 25,406 students (21.8% of the total students in compliance with dental examination) had caries/restoration history; 20,449 students (17.4% of the total students in compliance with dental examination) had untreated caries; and 1,969 students (1.3% of the total students in compliance with dental examination) needed urgent treatment. For public school students, the corresponding figures were 8,252 (8.2%); 22,439 (22.3%); 18,701 (18.5%); and 1,908 (1.4%). For nonpublic school students, the corresponding figures were 1,826 (11.4%); 2,967 (18.5%); 1,748 (10.9%); and 61 (0.4%). Overall, nonpublic school students have better health indices based on lower percentages of dental treatments.

Table 9 2013-2014 Dental Health Status of Students in Kindergarten in All Reported Illinois Public and Nonpublic School 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	101,213	--	16,036	--	117,249	--
Dental Sealants:						
With	8,252	8.2	1,826	11.4	10,078	8.6
Without	91,076	90.0	13,369	83.4	104,445	89.1
Unknown	1,885	1.9	841	5.2	2,726	2.3
Caries Experience/Restoration history:						
With	22,439	22.3	2,967	18.5	25,406	21.8
Without	76,297	75.9	12,071	75.3	88,368	75.8
Unknown	1,789	1.8	998	6.2	2,787	2.4
Untreated Caries						
With	18,701	18.5	1,748	10.9	20,449	17.4
Without	80,689	79.6	13,158	82.1	93,847	80.0
Unknown	1,946	1.9	1,130	7.0	3,076	2.6
Needing Urgent Treatment	1,908	1.4	61	0.4	1,969	1.3

Grade 2 Health Status

Table 10 displays the health status of all reported students in grade 2. There were 105,482 reported public and nonpublic school students in Illinois in compliance with completed dental examinations. Of this number, 42,928 students (40.7% of the total students in compliance with dental examination) had dental sealants; 36,136 students (34.7% of the total students in compliance with dental examination) had caries/restoration history; 20,457 students (19.4% of the total students in compliance with dental examination) had untreated caries; and 2,184 students (1.4% of the total students in compliance with dental examination) needed urgent treatment. For public school students, the corresponding figures were 38,065 (41.4%); 31,906 (35.2%); 18,827 (20.4%); and 2,123 (1.5%). For nonpublic school students, the corresponding figures were 4,863 (35.8%); 4,230 (31.1%); 1,630 (12.0%); and 61 (0.4%). Overall, nonpublic school students have better health indices based on lower percentages of having dental treatments.

Table 10 2013-2014 Dental Health Status of Students in Grade 2 in All Reported Illinois Public and Nonpublic School 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	91,895	--	13,587	--	105,482	--
Dental Sealants:						
With	38,065	41.4	4,863	35.8	42,928	40.7
Without	52,553	57.2	7,984	58.8	60,537	57.4
Unknown	1,277	1.4	740	5.4	2,017	1.9
Caries Experience/Restoration history:						
With	31,906	35.2	4,230	31.1	36,136	34.7
Without	56,999	62.9	8,521	62.7	65,520	62.9
Unknown	1,676	1.9	836	6.2	2,512	2.4
Untreated Caries						
With	18,827	20.4	1,630	12.0	20,457	19.4
Without	71,329	77.5	11,074	81.5	82,403	78.0
Unknown	1,917	2.1	883	6.5	2,800	2.7
Needing Urgent Treatment	2,123	1.5	61	0.4	2,184	1.4

Grade 6 Health Status

Table 11 displays the health status of all reported students in grade 6. There were 103,163 reported public and nonpublic school students in Illinois in compliance with completed dental examinations. Of this number, 60,299 students (58.5% of the total students in compliance with dental examination) had dental sealants; 37,547 students (36.6% of the total students in compliance with dental examination) had caries/restoration history; 13,629 students (13.2% of the total students in compliance with dental examination) had untreated caries; and 896 students (0.6% of the total students in compliance with dental examination) needed urgent treatment. For public school students, the corresponding figures were 53,331 (59.1%); 33,007 (36.8%); 12,243 (13.6%); and 873 (0.6%). For nonpublic school students, the corresponding figures were 6,968 (53.8%); 4,540 (35.1%); 1,386 (10.7%); and 23 (0.2%). Overall, nonpublic school students have better health indices based on lower percentages of having dental treatments.

Table 11 2013-2014 Dental Health Status of Students in Grade 6 in All Reported Illinois Public and Nonpublic School Facilities

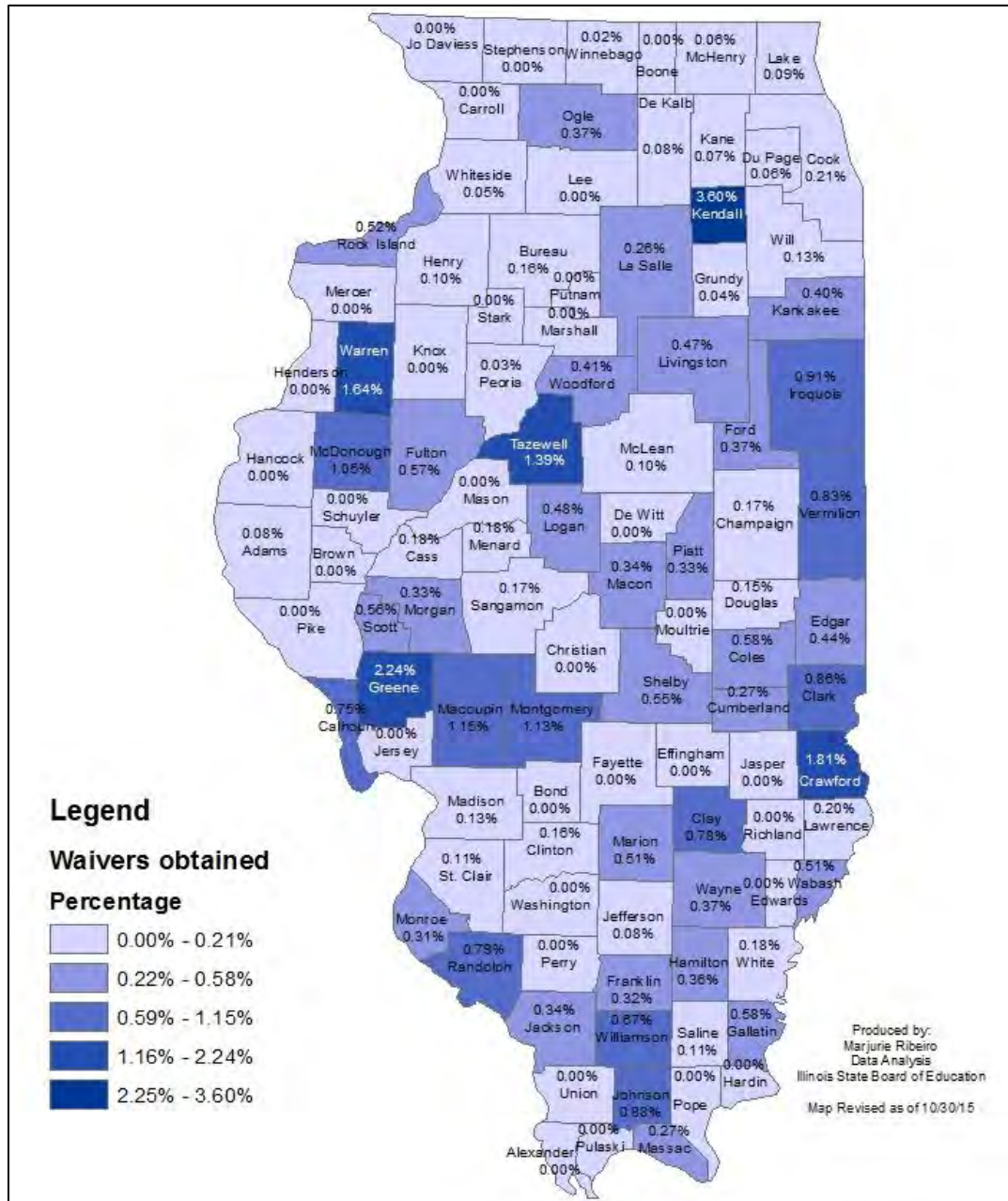
Compliance Status	Public Schools		Nonpublic Schools		All Schools	
	Number of Students	Percent	Number of Students	Percent	Number of Students	Percent
In compliance with complete dental examination	90,211	--	12,952	--	103,163	--
Dental Sealants:						
With	53,331	59.1	6,968	53.8	60,299	58.5
Without	35,589	39.5	5,392	41.6	40,981	39.7
Unknown	1,291	1.4	592	4.6	1,883	1.8
Caries Experience/Restoration history:						
With	33,007	36.8	4,540	35.1	37,547	36.6
Without	54,805	61.1	7,734	59.7	62,539	60.9
Unknown	1,861	2.1	678	5.2	2,539	2.5
Untreated Caries						
With	12,243	13.6	1,386	10.7	13,629	13.2
Without	76,117	84.3	10,774	83.2	86,891	84.1
Unknown	1,951	2.2	792	6.1	2,743	2.7
Needing Urgent Treatment	873	0.6	23	0.2	896	0.6

Implications across the State

Dental Examination Waivers 2014 Figures

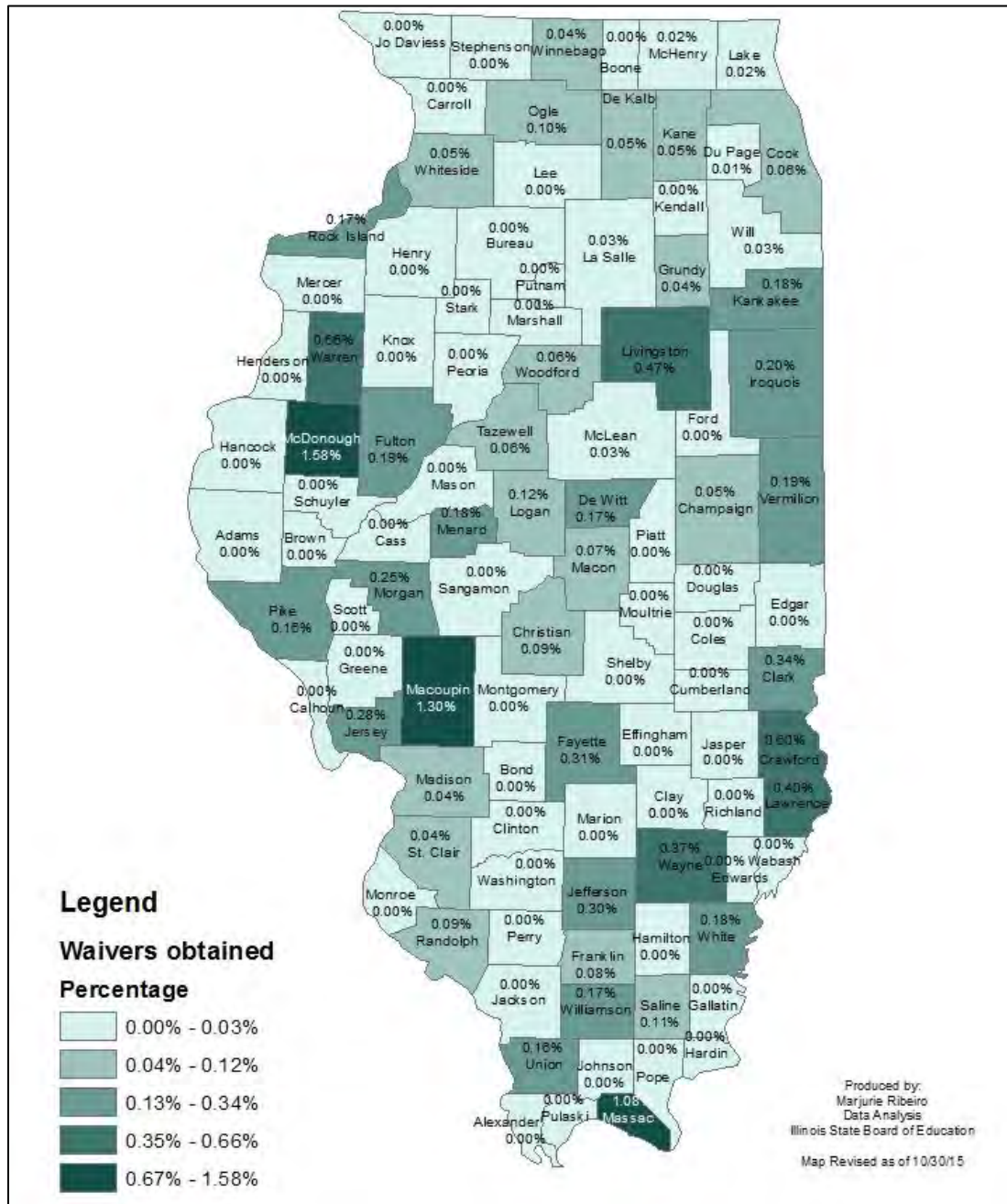
The following figures represent the number of students who obtained the waiver divided by the total number of students who are compliant, obtained waivers, provided approved schedules, obtained religious objection, provided a medical reason, have a disability problem, and are not compliant. Figure 1 is the percentage of students enrolled in the free and reduced price lunch program and not covered by private or public dental insurance (Medicaid/All Kids). Figure 2 is the percentage of students who enrolled in the free and reduced price lunch program and ineligible for public insurance (Medicaid/All Kids). Figure 3 is the percentage of students who 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. Figure 4 is the percentage of students who do not have medical or dental insurance and there are low-cost dental clinics in the community that will examine the child.

Figure 1: Percentage of Students not covered by Private or Public Dental Insurance



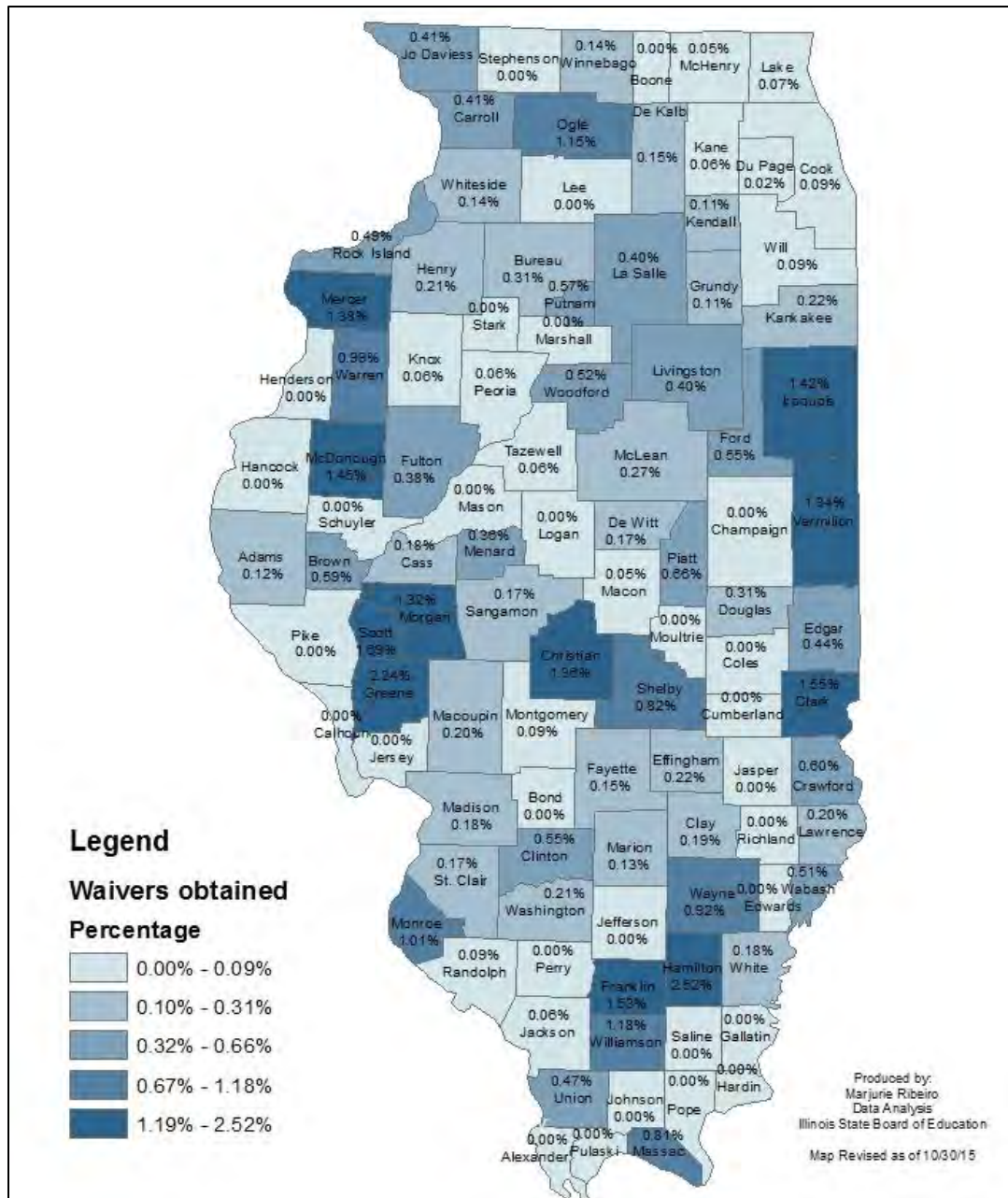
- Kendall County has the the highest percentage (3.6%; 222/6164) of students who are not covered by private or public insurance over the number of students reported.
- Five of the Western counties: Scott (0.6%; 1/177), Calhoun (0.7%; 1/134), McDonough (1.1%; 8/761), Warren (1.6%; 10/609), and Greene (2.2%; 10/447) had the most concentrated number of students who need insurance to complete a dental examination.

Figure 2: Percentage of Students Ineligible for Dental Insurance



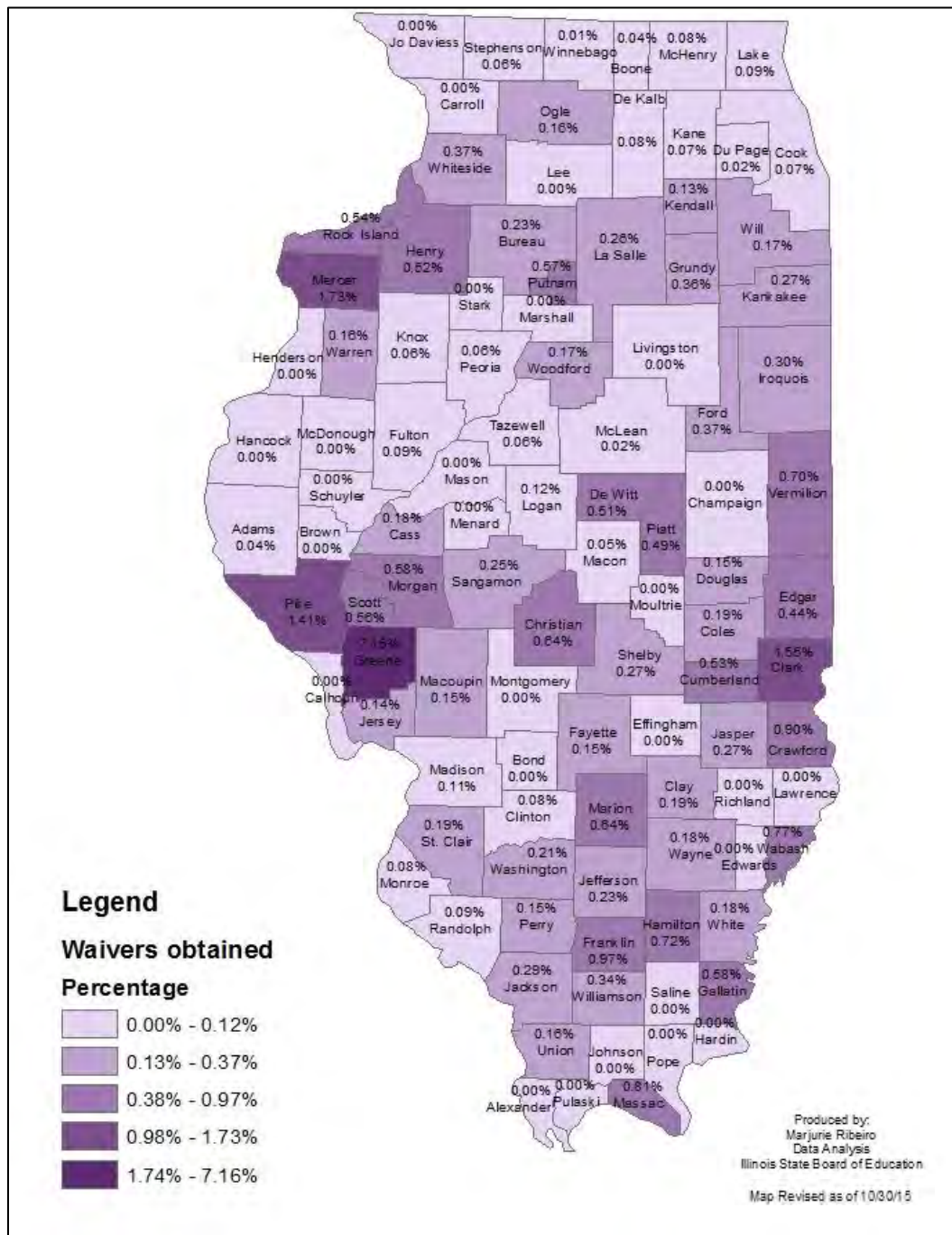
- McDonough has the highest percentage (1.6%; 12/761) of students who are ineligible for public insurance.
- Southeast Counties – Crawford (4/664) & Massac (4/371) and Western counties – Warren (4/609) & McDonough (12/761) have a range of 0.6% to 1.6% percentage of students who are ineligible for public insurance to complete a Dental Exam.

Figure 3: Percentage of Students who need a Dentist who will accept Medicaid/All Kids



- Hamilton county has the highest percentage (2.5%; 7/278) of students who are unable to locate a dentist who accepts Medicaid/All Kids.
- Some of the Western counties of Illinois - Scott (1.7%; 3/177) & Greene (2.2%; 10/447) have the most concentrated number of students who need a dentist who accepts Medicaid/All Kids.

Figure 4: Percentage of Students with No Access to Insurance or Clinic



- Greene has the highest percentage (7.2%; 32/447) of students who do not have medical or dental insurance and there are no low-cost dental clinics.
- There is a wide range between 1.7% to 7.2% percentage of students who have no insurance and no low-cost dental clinics among the top two highest percentage counties – Mercer (5/289) & Greene (32/447).