North Dakota Adolescent Oral Health Data

**All North Dakota Children and Adolescents ages 0-17**

Figure 1. Percentage of Children and Adolescents (ages 0-17) with Any Dental Visit in the Past 12-Months
Figure 2. Percentage of Children and Adolescents (ages 0-17) with a Preventive Dental Visit in the Past 12-Months
Figure 3. Percentage of Children and Adolescents (ages 0-17) Reporting Fair/Poor Oral Health
Figure 4. Percentage of Children and Adolescents (ages 0-17) Reporting No Oral Health Problems
Figure 5. Percentage of Children and Adolescents (ages 0-17) in North Dakota with and without Special Health Care Needs (SHCN) Having at least One Preventive Dental Visit in the Past 12-months

**Infant Oral Health in North Dakota**

Figure 6. Number of Babies Born with Cleft Lip/Cleft Palate
Figure 7. Rate of Babies Born with Cleft Lip/Cleft Palate per 1,000 Live Births

**North Dakota Students in Head Start**

Figure 8. Percentage of Head Start Children in North Dakota who had a Dental Exam and those with Preventive Care in the Past 12-Months
Figure 9. Percentage of Head Start Children in North Dakota Needing and Receiving Dental Treatment in the past 12-Months

**Kindergarten Students in North Dakota**

Figure 10. Percentage of Kindergartners in North Dakota with Specific Oral Health Concerns and Dental Visits, 2019
Figure 11. Percentage of Kindergartners in North Dakota with Oral Health Concerns and Dental Visit Need by Race, 2019
Figure 12. Percentage of Kindergartners in North Dakota by Oral Health Indicator and Race, 2019
Figure 13. Percentage of Kindergartners in North Dakota with Oral Health Concerns and Dental Visit Need by Geography, 2019
Figure 14. Percentage of Kindergartners in North Dakota by Oral Health Indicator and Geography, 2019

**Third Grade Students in North Dakota**

Figure 15. Percentage of Third Grade Students in North Dakota with a Dental Sealant on at Least One Molar
Figure 16. Percentage of Third Grade Students in North Dakota with Tooth Decay
Figure 17. Percentage of Third Grade Students in North Dakota in Need of Treatment and with Preventive Visits
Figure 18. Percentage of Third Grade Students in North Dakota with Decay Experience by Race
Figure 19. Percentage of Third Grade Students in North Dakota with Untreated Decay by Race
Figure 20. Percentage of Third Grade Students in North Dakota with Rampant Decay by Race
Figure 21. Percentage of Third Grade Students in North Dakota with Dental Sealant(s) by Race
Figure 22. Percentage of Third Grade Students in North Dakota with Need for Early and/or Urgent Dental Care by Race
Figure 23. Percentage of Third Grade Students in North Dakota with Need for Urgent Dental Care by Race
Figure 24. Percentage of Third Grade Students in North Dakota who Have Their Own Toothbrush by Race
Figure 25. Percentage of Third Grade Students in North Dakota who Brushed Their Teeth Today by Race
Figure 26. Percentage of Third Grade Students in North Dakota who Flossed Their Teeth Today by Race
Figure 27. Percentage of Third Grade Students in North Dakota who have Ever Been to the Dentist by Race
Figure 28. Percentage of Third Grade Students in North Dakota who Drink Pop Daily by Race, 2018
Figure 29. Percentage of Third Grade Students in North Dakota with Decay Experience by Geography
Figure 30. Percentage of Third Grade Students in North Dakota with Untreated Decay by Geography
Figure 31. Percentage of Third Grade Students in North Dakota with Rampant Decay by Geography
Figure 32. Percentage of Third Grade Students in North Dakota with Dental Sealant(s) by Geography
Figure 33. Percentage of Third Grade Students in North Dakota with Need for Early and/or Urgent Dental Care by Geography
Figure 34. Percentage of Third Grade Students in North Dakota with Need for Urgent Dental Care by Geography
Figure 35. Percentage of Third Grade Students in North Dakota who Have Their Own Toothbrush by Geography
Figure 36. Percentage of Third Grade Students in North Dakota who Brushed Their Teeth Today by Geography
Figure 37. Percentage of Third Grade Students in North Dakota who Flossed Their Teeth Today by Geography
Figure 38. Percentage of Third Grade Students in North Dakota who have Ever Been to the Dentist by Geography
North Dakota Youth Grades 7-8 and 9-12

Figure 39. Percentage of Youth Grades 7-8 and 9-12 in North Dakota Reporting any Dental Visit in the Past 12-Months

Figure 40. Percentage of Youth Grades 7-8 and 9-12 in North Dakota Reporting use of Chewing Tobacco, Snuff or Dip in the Past 30-Days

Figure 41. Percentage of Youth Grades 9-12 in North Dakota Reporting One or More Cavities

North Dakota Medicaid-Enrolled Youth (ages 0-21)

Figure 42. Percentage of North Dakota Medicaid-enrolled Children (ages 0-21) with Any Dental Visit, Preventive Visit, or Treatment-based Visit in the past 12-months

Figure 43. Percentage of Medicaid-enrolled Children (ages 0-21) with Any Dental Visit in the past 12-months

Figure 44. Percentage of Medicaid-enrolled Children (ages 0-21) with a Preventive Visit in the past 12-months

Figure 45. Percentage of Medicaid-enrolled Children (ages 0-21) with a Treatment-based Visit in the past 12-months

Figure 46. Percentage of Medicaid-enrolled Children (ages 0-21) Receiving a Dental Sealant on a Permanent Molar Tooth

Figure 47. Percentage of Medicaid-eligible Children (ages 0-21) Receiving Oral Health Services Provided by a Non-Dentist Provider

Figure 48. Total Number of North Dakotans (ages 0-21) Eligible for Early and Periodic Screening, Diagnostic and Treatment (EPSDT) for 90 Continuous Days
All North Dakota Children and Adolescents ages 0-17

Figure 1. Percentage of Children and Adolescents (ages 0-17) with Any Dental Visit in the Past 12-Months

Data source: National Survey of Children's Health
*No data available for 2012 and 2019

Figure 2. Percentage of Children and Adolescents (ages 0-17) with a Preventive Dental Visit in the Past 12-Months

Data source: National Survey of Children's Health
*No data available for 2012 and 2019
Figure 3. Percentage of Children and Adolescents (ages 0-17) Reporting Fair/Poor Oral Health

Data source: National Survey of Children's Health
*No data available for 2012 and 2019

Figure 4. Percentage of Children and Adolescents (ages 0-17) Reporting No Oral Health Problems

Data source: National Survey of Children's Health
*No data available for 2012 and 2019
Figure 5. Percentage of Children and Adolescents (ages 0-17) in North Dakota with and without Special Health Care Needs (SHCN) Having at least One Preventive Dental Visit in the Past 12-months

Data source: National Survey of Children with Special Health Care Needs

North Dakota children with SHCN
North Dakota children without SHCN
U.S. children with SHCN
U.S. children without SHCN

Data source: National Survey of Children with Special Health Care Needs
Infant Oral Health in North Dakota

Figure 6. Number of Babies Born with Cleft Lip/Cleft Palate

![Graph showing number of babies born with cleft lip/cleft palate from 2000 to 2019.](image)

Data source: Vital Records

Figure 7. Rate of Babies Born with Cleft Lip/Cleft Palate per 1,000 Live Births

![Graph showing rate of babies born with cleft lip/cleft palate per 1,000 live births from 2000 to 2019.](image)

Data source: Vital Records
Figure 8. Percentage of Head Start Children in North Dakota who had a Dental Exam and those with Preventive Care in the Past 12-Months

Data source: North Dakota Head Start Program Information Report

- Had any dental exam in the past year
- Children examined who received preventive care

Figure 9. Percentage of Head Start Children in North Dakota Needing and Receiving Dental Treatment in the past 12-Months

Data source: North Dakota Head Start Program Information Report

- Children examined who need dental treatment
- Children identified as needing treatment who received treatment
Figure 10. Percentage of Kindergartners in North Dakota with Specific Oral Health Concerns and Dental Visits, 2019

- Had a preventive visit in past 12-months: 48.6%
- Need for urgent dental care: 7.4%
- Need for early or urgent dental care: 46.5%
- Rampant decay: 22.5%
- Untreated decay: 48.6%
- Decay experience (treated or untreated): 69.7%

Data source: Basic Screening Survey (BSS), Department of Health
Figure 11. Percentage of Kindergartners in North Dakota with Oral Health Concerns and Dental Visit Need by Race, 2019

Data source: Basic Screening Survey (BSS), Department of Health
Figure 12. Percentage of Kindergartners in North Dakota by Oral Health Indicator and Race, 2019

Data source: Basic Screening Survey (BSS), Department of Health
Figure 13. Percentage of Kindergartners in North Dakota with Oral Health Concerns and Dental Visit Need by Geography, 2019

Data source: Basic Screening Survey (BSS), Department of Health
Figure 14. Percentage of Kindergartners in North Dakota by Oral Health Indicator and Geography, 2019

Data source: Basic Screening Survey (BSS), Department of Health
Third Grade Students in North Dakota

Figure 15. Percentage of Third Grade Students in North Dakota with a Dental Sealant on at Least One Molar

![Graph showing percentage of students with dental sealants over years](image)

Data source: Basic Screening Survey (BSS), Department of Health

Figure 16. Percentage of Third Grade Students in North Dakota with Tooth Decay

![Graph showing percentage of students with tooth decay over years](image)

Data source: Basic Screening Survey (BSS), Department of Health
Figure 17. Percentage of Third Grade Students in North Dakota in Need of Treatment and with Preventive Visits

![Bar chart showing percentage of third grade students in North Dakota in need of treatment and preventive visits for the years 2005 to 2018.](chart17)

Data source: Basic Screening Survey (BSS) For Children Attending Third-Grade

Data note: No data were collected in 2005, 2010, nor 2014 for the measure “early or urgent dental care.”

Figure 18. Percentage of Third Grade Students in North Dakota with Decay Experience by Race

![Bar chart showing percentage of third grade students in North Dakota with decay experience by race for the years 2005 to 2018.](chart18)

Data source: Basic Screening Survey (BSS) For Children Attending Third-Grade

Data note: In school years 2004-2005, 2009-2010, and 2014-2015, the sample for students who were Hispanic and Black/African American were too small to report.
Figure 19. Percentage of Third Grade Students in North Dakota with Untreated Decay by Race

Data source: Basic Screening Survey (BSS) For Children Attending Third-Grade

Data note: In school-years 2004-2005, 2009-2010 and 2014-2015, the sample for students who were Hispanic or Black/African American were too small to report.

Figure 20. Percentage of Third Grade Students in North Dakota with Rampant Decay by Race

Data source: Basic Screening Survey (BSS) For Children Attending Third-Grade

Data note: In school-years 2004-2005, 2009-2010 and 2014-2015, the sample for students who were Hispanic or Black/African American were too small to report. The 2004-2005 report did not look at rampant decay.
Figure 21. Percentage of Third Grade Students in North Dakota with Dental Sealant(s) by Race

![Bar chart showing the percentage of third grade students in North Dakota with dental sealants by race from 2005 to 2018.](chart1)

Data source: Basic Screening Survey (BSS) For Children Attending Third-Grade

Data note: In school-years 2004-2005, 2009-2010 and 2014-2015, the sample for students who were Hispanic or Black/African American were too small to report.

Figure 22. Percentage of Third Grade Students in North Dakota with Need for Early and/or Urgent Dental Care by Race

![Bar chart showing the percentage of third grade students in North Dakota in need of early and urgent dental care by race from 2005 to 2018.](chart2)

Data source: Basic Screening Survey (BSS) For Children Attending Third-Grade

Data note: In school-years 2004-2005, 2009-2010 and 2014-2015, the sample for students who were Hispanic or Black/African American were too small to report.
Figure 23. Percentage of Third Grade Students in North Dakota with Need for Urgent Dental Care by Race

Data source: Basic Screening Survey (BSS) For Children Attending Third-Grade

Data note: In school years 2004-2005, 2009-2010 and 2014-2015, the sample for students who were Hispanic or Black/African American were too small to report.

Figure 24. Percentage of Third Grade Students in North Dakota who Have Their Own Toothbrush by Race

Data source: Basic Screening Survey (BSS) For Children Attending Third-Grade

Data note: In school-years 2004-2005, 2009-2010 and 2014-2015, the sample for students who were Hispanic or Black/African American were too small to report.
Figure 25. Percentage of Third Grade Students in North Dakota who Brushed Their Teeth Today by Race

<table>
<thead>
<tr>
<th>Race</th>
<th>2005</th>
<th>2010</th>
<th>2015</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>All</td>
<td>73.0%</td>
<td>74.7%</td>
<td>66.4%</td>
<td>64.0%</td>
</tr>
<tr>
<td>White, Non-Hispanic</td>
<td>74.2%</td>
<td>68.6%</td>
<td>58.6%</td>
<td>53.4%</td>
</tr>
<tr>
<td>American Indian/Alaska Native</td>
<td>64.0%</td>
<td>66.1%</td>
<td>41.9%</td>
<td>43.4%</td>
</tr>
<tr>
<td>Black</td>
<td>64.0%</td>
<td>43.4%</td>
<td>43.4%</td>
<td>43.4%</td>
</tr>
</tbody>
</table>

Data source: Basic Screening Survey (BSS) For Children Attending Third-Grade

Data note: In school-years 2004-2005, 2009-2010 and 2014-2015, the sample for students who were Hispanic or Black/African American were too small to report.

Figure 26. Percentage of Third Grade Students in North Dakota who Flossed Their Teeth Today by Race

<table>
<thead>
<tr>
<th>Race</th>
<th>2010</th>
<th>2015</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>All</td>
<td>14.2%</td>
<td>10.5%</td>
<td>9.4%</td>
</tr>
<tr>
<td>White, Non-Hispanic</td>
<td>11.2%</td>
<td>10.1%</td>
<td>9.7%</td>
</tr>
<tr>
<td>American Indian/Alaska Native</td>
<td>10.1%</td>
<td>11.2%</td>
<td>5.3%</td>
</tr>
<tr>
<td>Black</td>
<td>5.3%</td>
<td>10.0%</td>
<td>10.0%</td>
</tr>
</tbody>
</table>

Data source: Basic Screening Survey (BSS) For Children Attending Third-Grade

Data note: A breakdown by race was only available for data collected during 2014-2015 and 2017-2018 school year and in 2014-2015 data for Black/African American was not available.
Figure 27. Percentage of Third Grade Students in North Dakota who have *Ever Been to the Dentist* by Race

<table>
<thead>
<tr>
<th>Race</th>
<th>2005</th>
<th>2010</th>
<th>2015</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>All</td>
<td>95.2%</td>
<td>95.9%</td>
<td>95.7%</td>
<td>94.9%</td>
</tr>
<tr>
<td>White, Non-Hispanic</td>
<td>95.0%</td>
<td>80.0%</td>
<td>96.6%</td>
<td>95.7%</td>
</tr>
<tr>
<td>American Indian/Alaska Native</td>
<td>60.0%</td>
<td>91.8%</td>
<td>88.7%</td>
<td>95.5%</td>
</tr>
<tr>
<td>Black</td>
<td>32.5%</td>
<td>27.0%</td>
<td>37.7%</td>
<td></td>
</tr>
</tbody>
</table>

Data source: Basic Screening Survey (BSS) For Children Attending Third-Grade

Data note: In school years 2004-2005, 2009-2010 and 2014-2015, the sample for students who were Hispanic or Black/African American were too small to report.

Figure 28. Percentage of Third Grade Students in North Dakota who *Drink Pop Daily* by Race, 2018

<table>
<thead>
<tr>
<th>Race</th>
<th>2005</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>All</td>
<td>32.5%</td>
<td>60.3%</td>
</tr>
<tr>
<td>White, Non-Hispanic</td>
<td>27.0%</td>
<td></td>
</tr>
<tr>
<td>American Indian/Alaska Native</td>
<td>37.7%</td>
<td></td>
</tr>
<tr>
<td>Black</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Data source: Basic Screening Survey (BSS) For Children Attending Third-Grade

Data note: Data broken down by race for this variable were only available for the 2017-2018 school year.
Figure 29. Percentage of Third Grade Students in North Dakota with **Decay Experience** by Geography

Data Source: Basice Screening Survey (BSS), Department of Health

Data note: There were no rural/urban comparison in the 2004-2005 data. There was no category for “semi-rural” in the 2009-2010 data and “semi-rural” are included in the “rural” category. In 2014-2015, there were no data for “semi-rural”.

Figure 30. Percentage of Third Grade Students in North Dakota with **Untreated Decay** by Geography

Data Source: Basice Screening Survey (BSS), Department of Health

Data note: There were no rural/urban comparison in the 2004-2005 data. There was no category for “semi-rural” in the 2009-2010 data and “semi-rural” are included in the “rural” category. In 2014-2015, there were no data for “semi-rural”.

Visit the Department of Health website for more information: [Link](https://www.health.nd.gov)
Figure 31. Percentage of Third Grade Students in North Dakota with **Rampant Decay** by Geography

<table>
<thead>
<tr>
<th>Year</th>
<th>Rural</th>
<th>Semi-Rural</th>
<th>Urban</th>
<th>All</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>18.3%</td>
<td>8.6%</td>
<td>11.6%</td>
<td></td>
</tr>
<tr>
<td>2015</td>
<td>38.1%</td>
<td>27.8%</td>
<td>31.1%</td>
<td></td>
</tr>
<tr>
<td>2018</td>
<td>33.7%</td>
<td>22.9%</td>
<td>20.0%</td>
<td>24.4%</td>
</tr>
</tbody>
</table>

Data Source: Basic Screening Survey (BSS), Department of Health

Data note: There were no rural/urban comparison in the 2004-2005 data. There was no category for “semi-rural” in the 2009-2010 data and “semi-rural” are included in the “rural” category. In 2014-2015, there were no data for “semi-rural”.

Figure 32. Percentage of Third Grade Students in North Dakota with **Dental Sealant(s)** by Geography

<table>
<thead>
<tr>
<th>Year</th>
<th>Rural</th>
<th>Semi-Rural</th>
<th>Urban</th>
<th>All</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005</td>
<td>52.7%</td>
<td>64.5%</td>
<td>58.4%</td>
<td>60.4%</td>
</tr>
<tr>
<td>2010</td>
<td>52.0%</td>
<td>53.5%</td>
<td>53.0%</td>
<td></td>
</tr>
<tr>
<td>2015</td>
<td>51.9%</td>
<td>46.1%</td>
<td>44.9%</td>
<td>47.1%</td>
</tr>
<tr>
<td>2018</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Data Source: Basic Screening Survey (BSS), Department of Health

Data note: There were no rural/urban comparison in the 2004-2005 data. There was no category for “semi-rural” in the 2009-2010 data and “semi-rural” are included in the “rural” category. In 2014-2015, there were no data for “semi-rural”.

Originally developed by: Shawnda Schroeder, Blake Greiner, Anastasia Stepanov
Figure 33. Percentage of Third Grade Students in North Dakota with **Need for Early and/or Urgent Dental Care** by Geography

![Bar chart showing percentage of third grade students in North Dakota with need for early and/or urgent dental care by geography over four years (2005-2018).](chart1.png)

Data Source: Basice Screening Survey (BSS), Department of Health

Data note: There were no rural/urban comparison in the 2005 data. There was no category for “semi-rural” in the 2010 data and “semi-rural” are included in the “rural” category. In 2014-2015, there were no data for “semi-rural”.

Figure 34. Percentage of Third Grade Students in North Dakota with **Need for Urgent Dental Care** by Geography

![Bar chart showing percentage of third grade students in North Dakota with need for urgent dental care by geography over four years (2005-2018).](chart2.png)

Data Source: Basice Screening Survey (BSS), Department of Health

Data note: There were no rural/urban comparison in the 2004-2005 data. There was no category for “semi-rural” in the 2009-2010 data and “semi-rural” are included in the “rural” category. In 2014-2015, there were no data for “semi-rural”.
Figure 35. Percentage of Third Grade Students in North Dakota who **Have Their Own Toothbrush** by Geography

Data Source: Basice Screening Survey (BSS), Department of Health

Data note: There were no rural/urban comparison in the 2005 data. There was no category for “semi-rural” in the 2010 data and “semi-rural” are included in the “rural” category. In 2014-2015, there were no data for “semi-rural”.

Figure 36. Percentage of Third Grade Students in North Dakota who **Brushed Their Teeth Today** by Geography

Data Source: Basice Screening Survey (BSS), Department of Health

Data note: There were no rural/urban comparison in the 2005 data. There was no category for “semi-rural” in the 2010 data and “semi-rural” are included in the “rural” category. In 2014-2015, there were no data for “semi-rural”.

Originally developed by: Shawnda Schroeder, Blake Greiner, Anastasia Stepanov
Figure 37. Percentage of Third Grade Students in North Dakota who *Flossed Their Teeth Today* by Geography

![Bar chart showing the percentage of third grade students in North Dakota who flossed their teeth today by geography for the years 2010, 2015, and 2018.](chart)

Data Source: Basice Screening Survey (BSS), Department of Health

Data note: There were no rural/urban comparison in the 2005 data. There was no category for “semi-rural” in the 2010 data and “semi-rural” are included in the “rural” category. In 2014-2015, there were no data for “semi-rural”.

Figure 38. Percentage of Third Grade Students in North Dakota who have *Ever Been to the Dentist* by Geography

![Bar chart showing the percentage of third grade students in North Dakota who have ever been to the dentist by geography for the years 2005, 2010, 2015, and 2018.](chart)

Data Source: Basice Screening Survey (BSS), Department of Health

Data note: There were no rural/urban comparison in the 2005 data. There was no category for “semi-rural” in the 2010 data and “semi-rural” are included in the “rural” category. In 2014-2015, there were no data for “semi-rural”.
North Dakota Youth Grades 7-8 and 9-12

Figure 39. Percentage of Youth Grades 7-8 and 9-12 in North Dakota Reporting any Dental Visit in the Past 12-Months

Data source: Youth Risk Behavior Survey (YRBS)

Figure 40. Percentage of Youth Grades 7-8 and 9-12 in North Dakota Reporting use of Chewing Tobacco, Snuff or Dip in the Past 30-Days

Data source: Youth Risk Behavior Survey (YRBS)
Figure 41. Percentage of Youth Grades 9-12 in North Dakota Reporting One or More Cavities

Data source: Youth Risk Behavior Survey (YRBS)

North Dakota Medicaid-Enrolled Youth (ages 0-21)

Figure 42. Percentage of North Dakota Medicaid-enrolled Children (ages 0-21) with Any Dental Visit, Preventive Visit, or Treatment-based Visit in the past 12-months

Data source: Medicaid Claims
Figure 43. Percentage of Medicaid-enrolled Children (ages 0-21) with Any Dental Visit in the past 12-months

Data source: Medicaid Claims

Figure 44. Percentage of Medicaid-enrolled Children (ages 0-21) with a Preventive Visit in the past 12-months

Data source: Medicaid Claims
Figure 45. Percentage of Medicaid-enrolled Children (ages 0-21) with a Treatment-based Visit in the past 12-months

Data source: Medicaid Claims

Figure 46. Percentage of Medicaid-enrolled Children (ages 0-21) Receiving a Dental Sealant on a Permanent Molar Tooth

Data source: Medicaid Claims
Figure 47. Percentage of Medicaid-eligible Children (ages 0-21) Receiving Oral Health Services Provided by a Non-Dentist Provider

Data source: Medicaid Claims

Figure 48. Total Number of North Dakotans (ages 0-21) Eligible for Early and Periodic Screening, Diagnostic and Treatment (EPSDT) for 90 Continuous Days

Data source: Medicaid Claims