Digging Into SLEDS:
Using the data to inform institutional policy and practice

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University of Minnesota / SLEDS Network
AIRUM 2017
What is SLEDS?
sleds.mn.gov

PK-12  Higher Ed  Workforce

Minnesota has developed the Minnesota Statewide Longitudinal Education Data System (SLEDS) matching student data from pre-kindergarten through completion of postsecondary education and into the workforce. By bridging existing data with other incoming data a range of education programmatic and delivery questions can be answered to gauge the effectiveness of current programs and design targeted improvement strategies to help students.
• Created to assist in identifying the most viable pathways for individuals in achieving successful outcomes in education and work
• Helps to gauge effectiveness of current programs
• Guides development of targeted improvement strategies to help students
### Where Does the Data Come From?

- Research tab

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[http://sleds.mn.gov/#research]
About Minnesota SLEDS

Minnesota has developed the Minnesota Statewide Longitudinal Education Data System (SLEDS) matching student data from pre-kindergarten through completion of postsecondary education and into the workforce. By bridging existing data with other incoming data a range of education programmatic and delivery questions can be answered to gauge the effectiveness of current programs and design targeted improvement strategies to help students.

SLEDS brings together data from education and workforce to:

- Identify the most viable pathways for individuals in achieving successful outcomes in education and work;
- Inform decisions to support and improve education and workforce policy and practice, and
- Assist in creating a more seamless education and workforce system for all Minnesotans.

The Minnesota P-20 Education Partnership governs the SLEDS system. The project is managed jointly by the Minnesota Office of Higher Education (OHPE), Minnesota Departments of Education (MDE), and Employment and Economic Development (DEED)

Email Updates

To sign up for updates or to access your subscriber preferences, please enter your contact information below.

Subscription Type

Email

* Email Address (Required)

Submit
• Your **organization** can request access to your data.

• If you need access to individual level data for a specific **research** project, you can request that through SLEDS.
  - Six-month wait time

• The **public** site is available to everyone!
Post-Secondary Research Data Mart

Secure Reports

The Statewide Longitudinal Education Data System (SLEDs) Secure Reports site contains student level de-identified data from K-12 and postsecondary education. Data are linked at the individual student level from K-12 to postsecondary but no identifying information is included. SLEDs was developed to match student data from pre-kindergarten through completion of postsecondary education and into the workforce. By bridging existing data with other incoming data a range of education, programmatic, and delivery questions can be answered to gauge the effectiveness of current programs and design targeted improvement strategies to help students.

K-12 Secure Reports

This data is provided to LEAs around the state to answer questions specific to their student populations so that data can be used to drive decision-making and program improvement. These reports can be customized and opened directly in Excel. The starting cohort includes public high school graduates and drop outs (starting in 5th grade). The columns are labeled with definitions for each variable but users can refer to the attachment of data element descriptions or the SLEDs Data Dictionary located on the SLEDs analytics website for further information.

For LEAs who would like to gain access to the K-12 Secure Report for their district and schools, please see the data sharing agreement document. Once filled out and signed, it should be scanned and e-mailed to Kara Arzamendia at kara.arzamendia@state.mn.us.

Postsecondary Secure Reports

This data is provided to postsecondary institutions around the state to answer questions specific to their student populations. The data can be used to drive decision-making and program improvement. These reports can be customized and are available as text files. The starting cohort includes students enrolled in a postsecondary institution starting in 2003 or completing a certificate or degree starting in 2007 and continues to the present enrollment class. The columns are labeled with definitions for each variable but users can refer to the attachment of data element descriptions or the SLEDs Data Dictionary located on the SLEDs analytics website for further information.

For institutions who would like to gain access to the Postsecondary Secure Report for their institution, please see the data sharing agreement document. Once filled out and signed, it should be scanned and e-mailed to Meredith Fergus at meredith.fergus@state.mn.us.

SLEDs Secure Reports

K-12 Research Data Mart
Postsecondary Research Data Mart
Workforce Training Data Mart

http://w20.education.state.mn.us/MDEAnalytics/Sleds.jsp
Enrolled Students

- 1 record/enrolled student/FY selected per college

Completers

- 1 record/award/completer/FY selected per college
Student-level Data for Colleges

- Data:
  - De-identified student level records
  - SLEDS ID matches across files (91% accuracy)

- Population limited (e.g. current or former students)
- Data Suppression
- Format:
  - CSV or Excel
When Is SLEDS Data Uploaded?

- Twice a year (June and November).
- Data typically lags by about a year (12 months)
- 2016 HS grads are available June of 2017
- Students enrolling in college in the Fall of 2016 are loaded in November of 2017
Resources

Feel free to use the resources below when you share SLEDS with your community. If you have heard a SLEDS presentation and would like a handout not posted below, please contact SLEDS Support, we are excited to share!

- SLEDS: High School to College Transitions
- Getting Prepared Infographic
- SLEDS General Handout

Videos

Learn more about SLEDS with these fun videos! We are currently creating more informational videos, check back to this section often.

- Minnesota SLEDS: This video describes the data used and the potential questions that could be answered using SLEDS data.
- SLEDS K-12 Data Mart: This video describes the data SLEDS collects from secondary institutions and how teachers and administrators use SLEDS.
- SLEDS Data Process: This video describes how SLEDS collects data, how data is stored within SLEDS, and the deidentification process. Special guest star, David Reeg, from MN.IT.

Produced by Cutaway Productions.

Feedback

Please provide SLEDS with your feedback, take our survey.

The SLEDS team strives to build the best user tools possible for your data use experience. We value your perspective about our training and engagement with the data system. We will use your responses to inform how we design future data user engagement and training. Your responses are anonymous.

Network

Our SLEDS Network is available to answer your questions or deliver a live or virtual presentation. Just select your region below to connect with a local expert on how to find, use, and interpret SLEDS data.
Research Tab:
Data Dictionary & Data Interpretation Guide

Governance

The Minnesota P-20 Education Partnership governs the SLEDS system. On April 14, 2010, the Minnesota P-20 Education Partnership adopted the following governance structure for the SLEDS system:

- The SLEDS Governance Committee will oversee all work with the data system.
- The SLEDS Research and Data Advisory Committee will review and develop research and evaluation proposals, provide technical expertise on data structure and linkages, and make recommendations to the Governance Committee.
- The SLEDS Coordinators and SLEDS IT staff will coordinate the work of the committees and report to the Governance Committee on the research, evaluation and technical operations of SLEDS.

Data Access and Use

For information about interpreting and using the data in SLEDS reports and on the SLEDS website, please see the Data Interpretation Guide.

The following information is required for access to SLEDS data:

- [Data Access Management Policy](#)
- [SLEDS Data Access Request](#)
- [Data Access Request Process and Timeline](#)
- [Scoring Template and Rubric](#)

Instructions to access to SLEDS Secured Reports

To search variables within SLEDS data, please use the data dictionary.

Access full data governance information

The first of its kind, an annual report, is an attempt to engage
Post-Secondary Mobile Analytics
### New Student Demographics

**Statewide**

**Entering Year:** 2015

- Freshmen or Transfer
- New Enrollment by Race/Ethnicity
- New Enrollment by Gender
- New Enrollment by Age
- New Enrollment by State of Residence
- Top Ten Minnesota Counties
- More Information

### New Student Enrollment

**Statewide**

**Entering Year:** 2015

- Awards Sought
- Top Ten Majors
- Time Since High School Graduation
- Credits Taken in First Term
- Transfer Credits at Entry
- More Information
Graduate Employment Outcomes Data Tools
Graduate Employment Outcomes (GEO): Post-Secondary
Demo on Using the PS Data Mart

We created an Employment Outcomes Dashboard!

- Utilizes a Power BI platform
- Data tables from 4 sources:
  - SLEDS PS Data Mart for the College
  - GEO website downloads
  - CIP table
  - Award level table
Demo: Employment Outcomes 2
Comparing College Level Employment Outcomes to State Outcomes
Median Hourly Wages by Year After Graduation
by the Student's Highest Award Obtained

College of 10,000 Lakes
2009-2010 Graduates

Highest Level Awarded
- Associate Degree
- Bachelor's Degree
- Graduate Award

College Percent of Graduates Included

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<td>Bachelor's Degree</td>
<td>76.33%</td>
<td>81.84%</td>
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<td>Graduate Award</td>
<td>74.25%</td>
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<td>61.51%</td>
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Statewide Percent of Graduates Included

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<td>Bachelor's Degree</td>
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<td>Graduate Award</td>
<td>64.73%</td>
<td>63.42%</td>
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Comparing College Level Employment Outcomes to State Outcomes
Median Year 2 Annual Wages by 4 Digit CIP Code
by the Student's Highest Award Obtained

College of 10,000 Lakes
2009-2010 Graduates

Total Graduates: 1360
Grads Included Year 2: 1040

College

Statewide

Award Level:
- Associate Degree
- Bachelor's Degree
- Certificate or Diploma
- Graduate Award

Major Group (4 digit CIP Code):
- 1.00
- 1.01
- 1.02
- 1.03
- 1.04

Major Group (4 digit CIP Code):
- Accounting and Computer Science.
- Accounting and Related Services.
- Advanced/Graduate Dentistry and Oral Sciences.
- Aerospace, Aeronautical and Astronautical Engineering.
- African Languages, Literatures, and Linguistics.
- Agricultural and Domestic Animal Services.
- Agricultural and Food Products Processing.
- Agricultural Business and Management.
- Agricultural Engineering.
- Agricultural Mechanization.
We created a High School to College Dashboard!

- Utilizes a Power BI platform
- Data tables from 2 sources:
  - Special file created by Meredith
  - MDE website downloads
Profile of Upcoming High School Graduates, 2016-2017 Enrollees

Enrollment by Race and Grade, 2016-2017 Academic Year

- White Students by Grade
  - 12: 46,976
  - 11: 45,319
  - 10: 45,129
  - 09: 41,764
  - 88.9%

- Students of Color by Grade
  - 12: 18,625
  - 11: 17,720
  - 10: 18,610
  - 09: 17,869
  - 95.9%

Enrollment by Special Population and Grade, 2016-2017 Academic Year

- Free Lunch
- Reduced Lunch
- Special Ed
- Ltd English Proficient
- Homeless

- Free or Reduced Lunch by Grade
  - 12: 19,609
  - 11: 19,521
  - 10: 21,329
  - 09: 21,180
  - 106.9%
- Provide training and support to SLEDS users
- The regional experts awarded grants are:
  - Southwest West Central Service Cooperative (SWWC)
  - Lakes Country Service Cooperative (LCSC)
  - Century College
  - Center for Applied Research and Educational Improvement (CAREI)
SLEDS Technical Assistance Network

- **Local technical assistance**
  - Support in accessing SLEDS data
  - Support in understanding SLEDS data
  - Support using SLEDS data for your own institution

- **Local research**
  - Support using SLEDS data for your own institution

- **Local partnerships across K-12, post-secondary, and workforce**
  - Partner with other local institutions to address shared questions, needs, etc.
  - Regional research and analyses
SLEDS Technical Assistance Network

- SLEDS Experts can work with local organizations to use SLEDS Data
  - **CAREI**: Rochester Cradle to Career: workforce patterns of high school graduates
  - **Lakes Country**: The impact of gender disparities in postsecondary enrollment/completion for NW Minnesota
  - **Southwest**: Brain Drain/Migration patterns of high school graduates
  - **Century College**: Assisting colleges in using SLEDS data for institutional planning, evaluation and research

- Data coaching: Facilitate access for users, etc.
Thank you!
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