



MINNESOTA'S
**Statewide Longitudinal
Education Data System
(SLEDS)**

MASSP Conference

June 2013

Introductions

Meredith Fergus

Policy Analyst / SLEDS Coordinator
Minnesota Office of Higher Education

651-259-3963

Meredith.Fergus@state.mn.us

Kara Arzamendia

Data Analytics Supervisor
Minnesota Department of Education

651-582-8599

Kara.Arzamendia@state.mn.us

Agenda

- Overview of SLEDS
- Examples: High School to College Completion
- Q&A / Suggestions

An Overview of SLEDS

What is the vision of SLEDS?

SLEDS assists in identifying the most viable pathways for individuals in achieving successful outcomes in education and work.

SLEDS enables research to:

- ✓ Identify predictors of long-term student success
- ✓ Design targeted improvement strategies in programs
- ✓ Improve data driven decision making
- ✓ Meet federal funding requirements

What data is currently included?

Bold = SLEDS Release 1 (Oct 2012)

Italics = SLEDS Release 2 (Spr 2013)

Minnesota Department of Education (MDE)

- **K-12 Enrollment**
- **K-12 Assessment**
- **ACT (Explore, Plan, College Entrance)**
- Advanced Placement Results
- **Adult Basic Education**
- Kindergarten Readiness
- Early Childhood Enrollment
- Career and Technical Education

Minnesota Office of Higher Education (OHE)

- **Post-Secondary Enrollment**
- *Post-Secondary Completions*
- **Institutional Characteristics**

Minnesota Department of Employment and Economic Development (DEED)

- **Unemployment Insurance Wage Detail Records**
- **Employer Detail (including NAICS info)**
- *Workforce Training Participant Data*
- Unemployment Benefit Recipients

Other

- **GED Results**
- *Out of State Higher Education Enrollments and Completions (National Student Clearinghouse)*

The 4P's

Pathways:

The movement of individual students between K-12 / Higher Education / Workforce

- Who enrolls in college and when?
- Which levels of education lead to higher wages?

Progress:

The benchmarks or transition points students meet—or fail to meet

- How many students choose college, how many work?
- What industries employ college graduates and at what wages?

Predictors:

The characteristics, patterns, or commonalities that help explain which students achieve successful outcomes and which do not.

- Student demographics
- Immediate vs. delayed entry into postsecondary education

Performance:

How well are education and workforce aligned for individual success?

- Where can we focus additional strategies and resources?

Ensuring data has value added

- Provide information for decision-making & planning
- Develop reports using a series of common metrics to provide data for those decisions
- Reports can be modified (or structured) to serve a public information purpose (parents, students).

Let's talk about data!

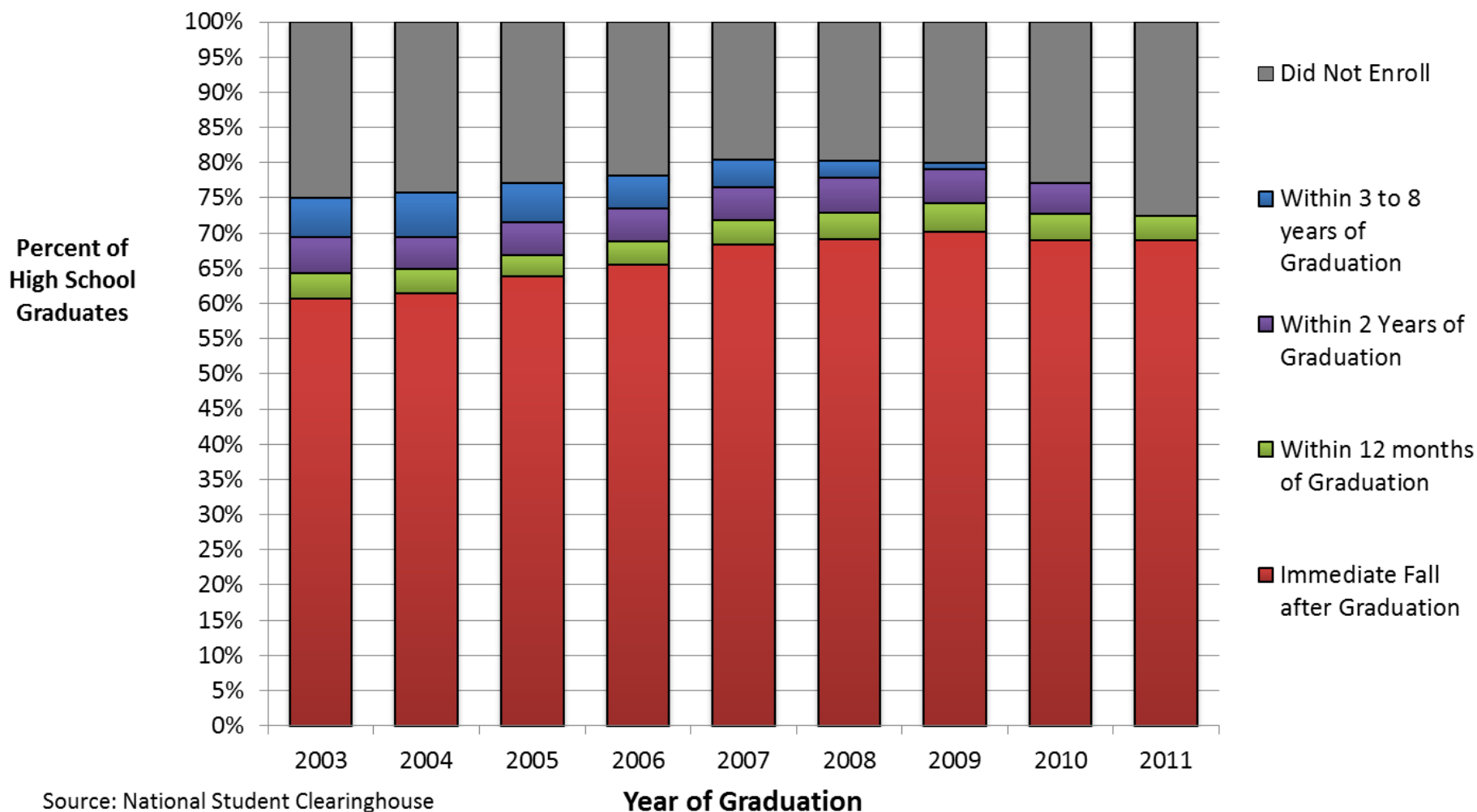
- Do you use post-high school data now?
 - What kinds of data do you use? How do you use it? What impact does it have in decision making?

High School to College Transitions

Alignment of K-12 and postsecondary
education

Timing of College Entry (as of 2011)

Post Secondary Enrollment of Minnesota Public High School Graduates by Time Period of Enrollment and Year of Graduation



Source: National Student Clearinghouse

Destination Colleges

Top 10 Destination Colleges for Minnesota Public High School Graduates 2011

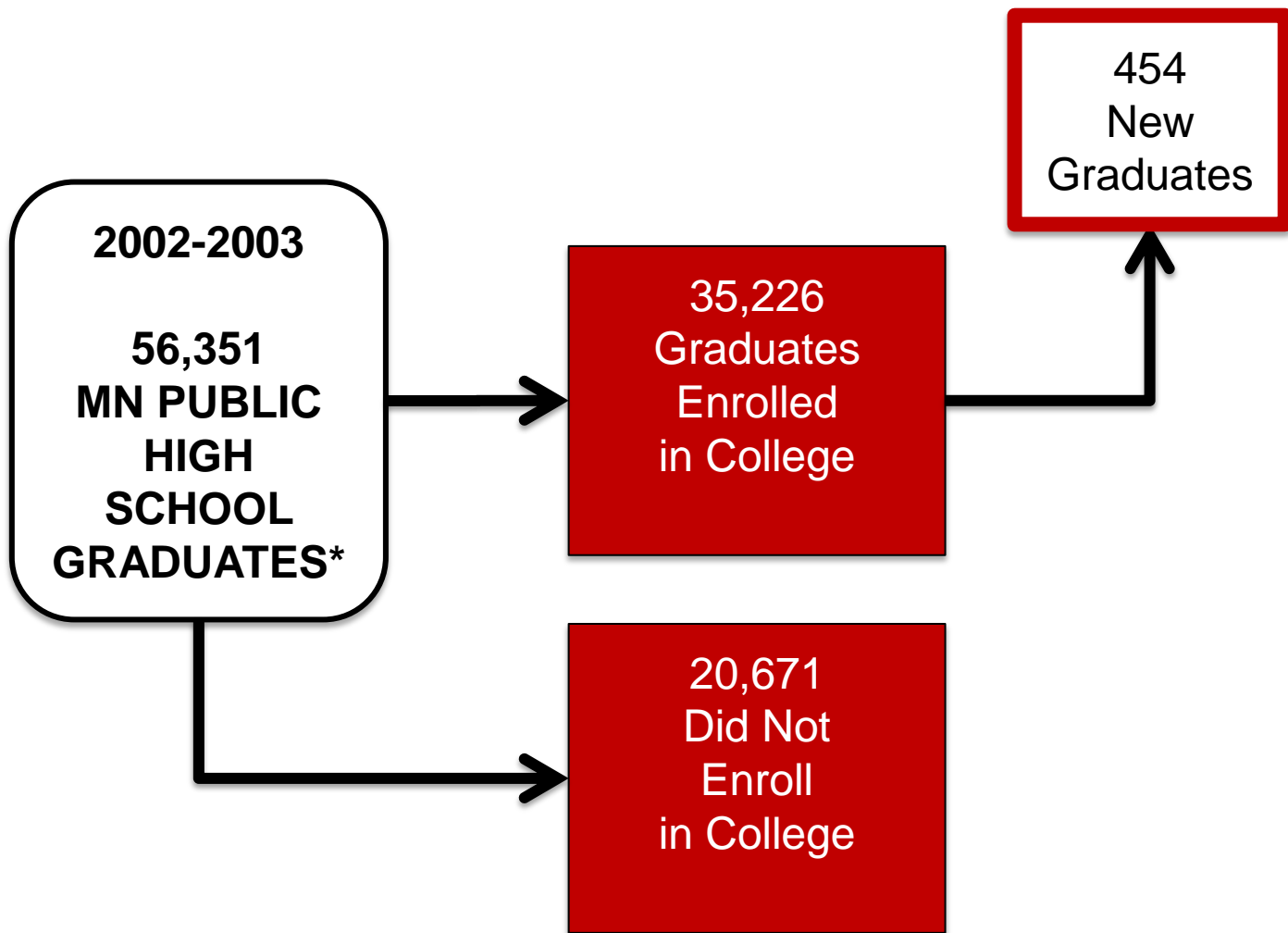
Name	State	Level	Type	Number	% of Graduates
UNIVERSITY OF MINNESOTA-TWIN CITIES	2011	4-year	Public	2,947	5.4%
MINNESOTA STATE UNIVERSITY - MANKATO	2011	4-year	Public	1,863	3.4%
UNIVERSITY OF MINNESOTA-DULUTH	2011	4-year	Public	1,547	2.8%
ST CLOUD STATE UNIVERSITY	2011	4-year	Public	1,369	2.5%
NORTH DAKOTA STATE UNIVERSITY	2011	4-year	Public	1,146	2.1%
WINONA STATE UNIVERSITY	2011	4-year	Public	1,064	1.9%
ANOKA RAMSEY COMMUNITY COLLEGE	2011	2-year	Public	971	1.8%
CENTURY COLLEGE	2011	2-year	Public	929	1.7%
NORMANDALE COMMUNITY COLLEGE	2011	2-year	Public	928	1.7%
UNIVERSITY OF NORTH DAKOTA	2011	4-year	Public	892	1.6%
			Subtotal	13,656	24.9%

Source: National Student Clearinghouse

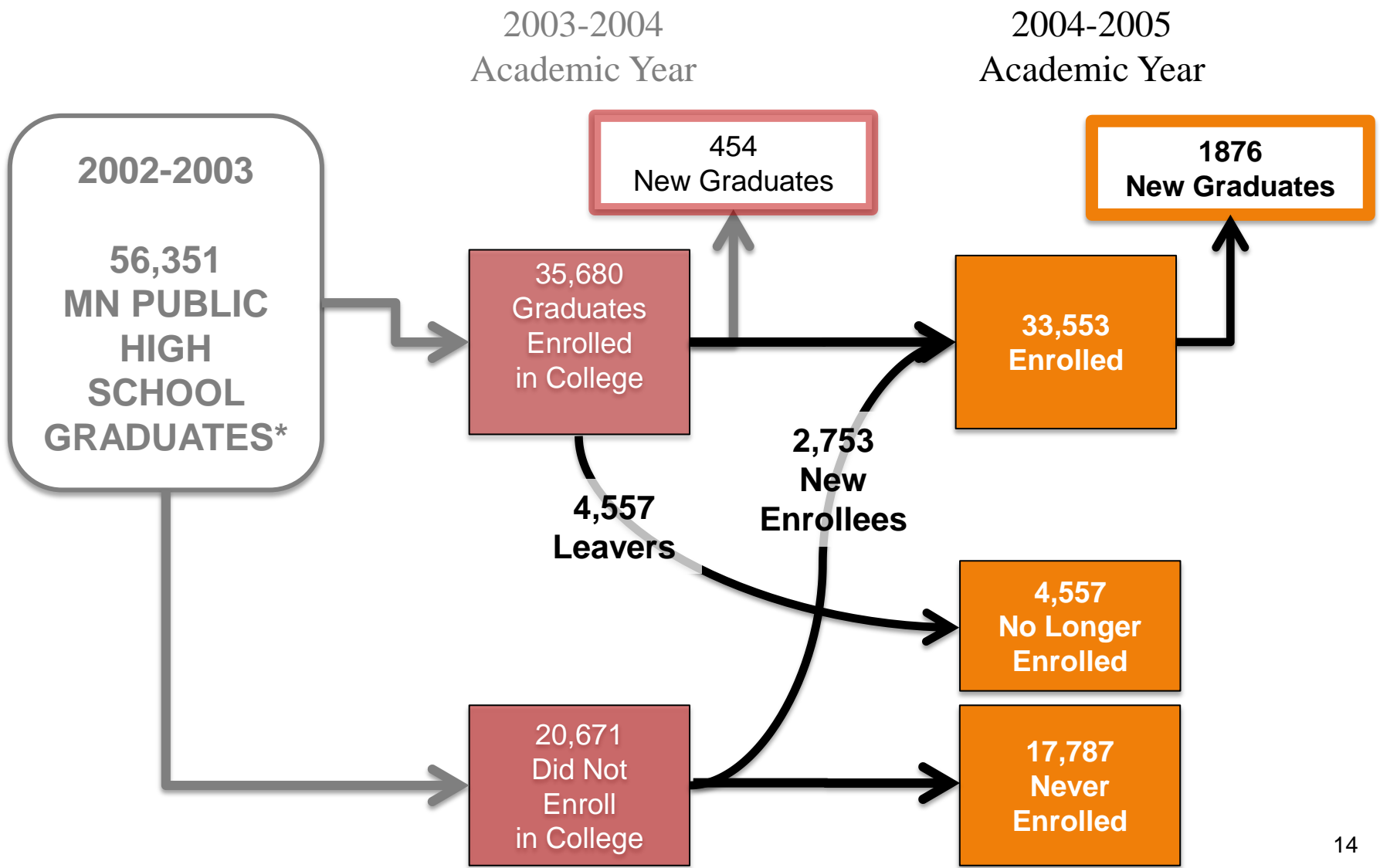
College Completion

College Pathways of the Class of 2003

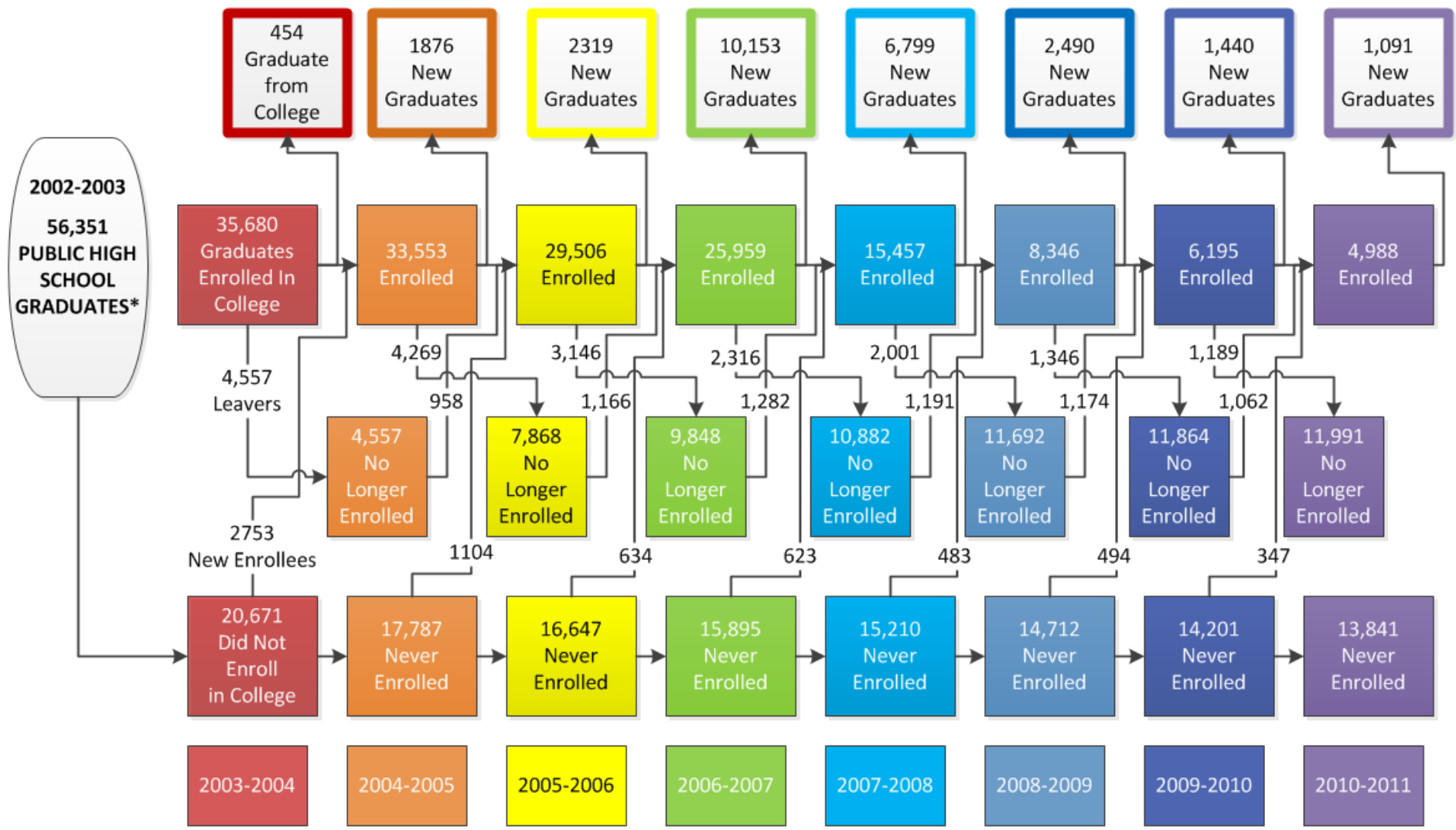
2003-2004 Academic Year



College Pathways of the Class of 2003



Postsecondary Paths of the Class of 2003



SOURCE: NATIONAL STUDENT CLEARINGHOUSE

*Data includes 95% of high school graduates

Postsecondary Paths of the Class of 2003

- 62.5% enrolled in college immediately after high school
- 26% finished a college certificate or degree within 4 years

By age 25...

- 75% enrolled
 - 48% finished within 8 years
 - 21.2% were no longer enrolled and did not graduate
 - 4.4% were still enrolled 8 years after graduation
- 25% never enrolled

High School Feedback reports

- For high schools, school districts and the state...
 - Provides pre-graduation and post-graduation data on students. For example,
 - Proficiency on MCA Math and Reading tests?
 - Enrollment in college developmental education credits?
- Are MCA tests and enrollment in development education correlated?
- Number of students of color?
 - Enrollment in college?

How many students of color at your local high school are enrolling in college as compared to other high schools?

Example Report: Pre-Graduation Indicators

High School Feedback Report		Note: This report uses example data at the school and district level.		
2008 Minnesota Public High School Graduates				
District: VIKING PUBLIC SCHOOL DISTRICT		DRAFT 11/21/13		
School: VIKING HIGH SCHOOL		School	District	State
1 Number of 2008 high school graduates with diploma or GED		405	1,024	61,162
Pre-Graduation Indicators				
2 Percent of 2008 graduates who score proficient on MCA:				
	Math	30.9%	23.0%	32.1%
	Reading	66.9%	67.0%	62.4%
	Both	30.1%	35.6%	29.9%
3 Percent of 2008 graduates who completed a college prep curriculum		data not currently available, proposed future indicator		
4 Percent of 2008 graduates who completed at least one AP, IB or dual enrollment course		data not available as of October 2012		
	AP			
	IB			
	Dual Enrollment	37.0%	n/a	19.5%
5 Percent of 2008 graduates who completed 4 years of math		data not currently available, proposed future indicator		
6 Percent of 2008 graduates who took the PLAN prior to graduation		data not currently available, proposed future indicator		
7 Percent of 2008 graduates who took the ACT prior to graduation		54.3%	62.6%	59.2%
	Mean Composite Score	22.3	23.1	22.7
8 Percent of 2008 graduates who took the ACT and met the college readiness benchmarks in				
	English	data not available as of October 2012		
	Social Science			
	Algebra			
	Biology			
	All 4 areas			

Example Report: Post-Graduation Indicators

School: VIKING HIGH SCHOOL

School District State

1 Number of 2008 high school graduates with diploma or GED 405 1,024 61,162

Post-Graduation Indicators				
9	Percent of 2008 graduates enrolling in college in Fall 2008	65.7%	64.5%	67.1%
10	Number of 2008 high school graduates enrolling	266		
	in Minnesota	237	552	30,592
	outside of Minnesota	29	58	10,418
11	Percent of 2008 graduates enrolling in college in Fall 2008 at a			
	Public 2-year institution	41.7%	38.4%	41.2%
	Public 4-year institution	28.2%	41.3%	36.8%
	Private 2-year or 4-year institution	19.2%	20.1%	22.0%
	outside of Minnesota	10.9%	11.2%	25.4%
12	Percent Of graduates enrolling in college which enrolled			
	1-5 credits	5.1%	4.7%	6.4%
	6-8 credits	5.1%	5.2%	2.8%
	9-11 credits	5.5%	4.4%	4.2%
	12-14 credits	36.0%	38.1%	35.0%
	15+ credits	48.3%	48.5%	51.7%
	Average number of credits in Fall 2008 term	13.57	13.47	13.83
13	Percent of graduates enrolling in college which enrolled in developmental	29.1%	27.0%	26.4%
	Average number of development credits in fall 2008	5.64	5.89	5.64
14	Top 10 Institutions of Enrollment in the Fall Immediately following Graduation	Percent of graduates		
	UNIVERSITY OF MINNESOTA-TWIN CITIES	5.1%	5.1%	5.1%
	MINNESOTA STATE UNIVERSITY - MANKATO	3.1%	3.1%	3.1%
	ST CLOUD STATE UNIVERSITY	3.0%	3.0%	3.0%
	UNIVERSITY OF MINNESOTA-DULUTH UNDERGRADUATE	2.9%	2.9%	2.9%
	NORTH DAKOTA STATE UNIVERSITY	2.1%	2.1%	2.1%
	ANOKA RAMSEY COMMUNITY COLLEGE	1.8%	1.8%	1.8%
	WINONA STATE UNIVERSITY	1.8%	1.8%	1.8%
	NORMANDALE COMMUNITY COLLEGE	1.8%	1.8%	1.8%
	CENTURY COLLEGE	1.5%	1.5%	1.5%
	ROCHESTER COMMUNITY & TECHNICAL COLLEGE	1.4%	1.4%	1.4%

Example Report: Analysis by Demographics

Year: 2008 High School Graduates MINNESOTA ALL HIGH SCHOOLS		Number of High School Graduates	Number of 2008 high school graduates enrolling in college			Type of College of Enrollment Fall 2008 (MN Enrollments only)					
			in MN	Outside MN	% Enrolled (in MN)	Public 2-year institution	Private 2-year institution	% Enrolled at 2-Year	Public 4-year institution	Private 4-year institution	% Enrolled at 4-Year
TOTAL		61,162	30,592	10418	50.0%	12,607	1,688	47%	11,262	5,016	53%
Race/Ethnicity											
	African-American	3,800	1,627	data not available as of Oct 2012	42.8%	851	132	60%	449	195	40%
	American Indian/Alaska Native	897	288		32.1%	153	21	60%	74	28	35%
	White (non-Hispanic)	51,237	26,337		51.4%	10,594	1,361	45%	9,945	4,430	55%
	Hispanic	1,832	610		33.3%	333	50	63%	150	77	37%
	Asian/Pacific Islander	3,396	1,730		50.9%	676	124	46%	644	286	54%
	No Response	0									

Ex. Report: Pre-Graduation x Post-Graduation

Year: 2008 High School Graduates		Number of 2008 high school graduates enrolling in college		Postsecondary Enrollment by Credit Level (MN enrollments only)							Developmental Education Coursetaking in Fall 2008 (MN enrollments only)		
		in MN	% Enrolled (in MN)	1-5	6-8	9-11	12-14	15+	% Full-Time (12+ credits)	Average Number of Credits	Number	Percent	Average Number of Credits
MINNESOTA ALL HIGH SCHOOLS													
TOTAL		30,592	50.0%	1,912	829	1,255	10,489	15,498	84.9%	13.83	8,090	26%	5.64
MCA Proficiency													
	Math - Proficient	11,174	56.8%	1,045	85	1,444	2,633	7,189	87.9%	14.29	801	7%	4.58
	Math - Not Proficient	18,224	50.0%	769	647	1,001	7,406	7,913	84.1%	13.64	6,891	38%	5.72
	Math - Unknown	1,194	23.7%	98	97	110	450	396	70.9%	12.51	398	33%	6.36
	Reading - Proficient	21,854	57.3%	1,556	374	619	6,745	12,267	87.0%	14.03	3,984	18%	4.84
	Reading - Not Proficient	6,623	45.3%	208	299	436	2,892	2,562	82.3%	13.58	3,233	49%	6.33
	Reading - Unknown	2,115	25.2%	148	156	200	852	669	71.9%	12.59	873	41%	6.74

Future Needs

- K-12 Common Course Catalog
 - Common numbering of courses multi-year phase-in
- Data Linkages
 - No direct linking between K-12 & employment
 - Need to increase the number of common identifiers
- Data Gaps
 - No private K-12 data
 - Non-education pathways or services not included
 - Enlisted military personnel, Veterans, Health, Human Services, and Corrections, Community-based programs

Your feedback is key to our success.

Questions?

Advice?

Other information to include?

Alignment of Data Initiatives

Early Childhood SLEDS

- Early Childhood Family Education
- Pre-school Programs
- Kindergarten Readiness

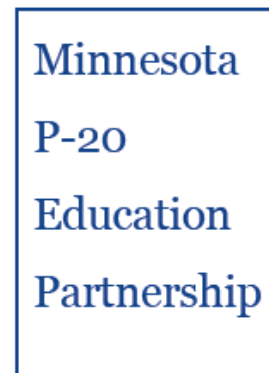
SLEDS

- K-12
- Postsecondary Education
- Adult Basic Education
- Career and Technical Education

Workforce Data Quality Initiative (WDQI)

- Adult Basic Education
- Adult Employment and Training Programs
- Unemployment Insurance Wage Detail

SLEDS is a partnership of:



http://www.mnp20.org/working_groups/longitudinal_data_system.html