

# MLDS Data and Sector Linking

This dashboard provides information on data contained within the MLDS System and highlights the rate at which data in the System can be linked across sectors<sup>(1)</sup>. The System currently contains records representing over 4.5 million unique individuals, about 18%<sup>(2)</sup> of these individuals have records that can be linked across all three sectors.

## Total Individuals from All Sectors

**4,505,603**

Total Individuals

## Individuals in Multiple Sectors

**2,140,596**

Total Individuals

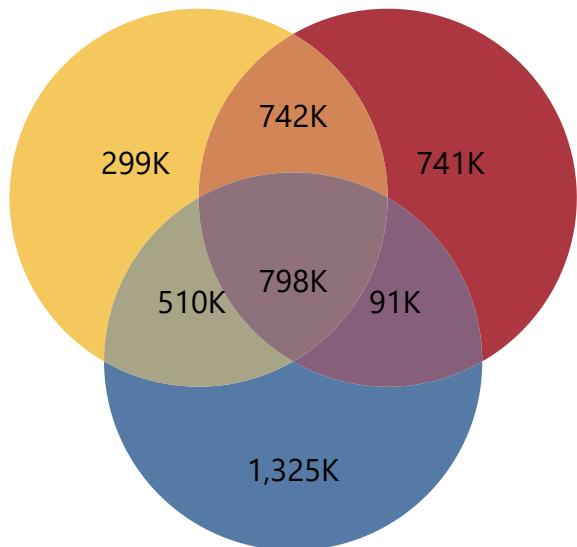
## Individuals in all Three Sectors

**798,021**

Total Individuals

## Overview of MLDSC Individuals by Source

● Labor	2,349,107	46%	● MHEC	2,371,353	46%	● MSDE	2,723,760	53%
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### Notes:

1. The sectors are K-12, Higher Education, and Workforce. The data for those sectors are provided by the Maryland State Department of Education (MSDE), the Maryland Higher Education Commission (MHEC), and the Maryland Department of Labor (Labor), respectively.
2. As an example, a Maryland public school student who enrolled in college and was employed in Maryland, during or following these educational experiences, would be one of the approximately 800,000 individuals who link across all three sectors. More than half of the MSDE data represent students in kindergarten through 8th grade where there is no expectation of linkages with higher education or workforce.
3. For more information on data matching, please see the [Identity Matching in the MLDS document](#).



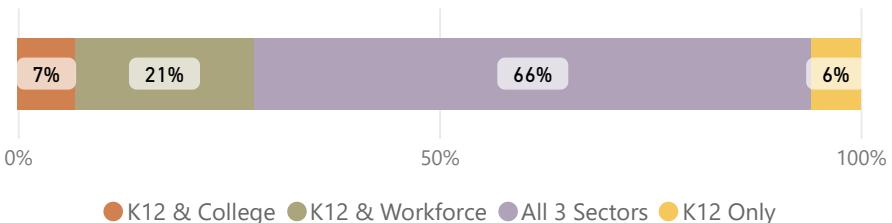
# 12th Grade Cohort Cross-Sector Analysis

The Center calculates match rates based upon the number of 12th grade students from Maryland public schools with a record in at least one other sector. The Center's match rate has remained at 94% over time<sup>(1)</sup>. The high match rate indicates strong data matching routines and provides confidence in the system.

## Match Rates by Sector for All 12th Grade Cohorts

**94%**

**Matched ANY Sector**



## 12th Grade Cohort Matching Analysis - 2010 - 2023

Cohort Year	Total 12th Grade	K12 Only	K12 & College	K12 & Workforce	All 3 Sectors	% Matched ANY Sector	% Matched ALL 3 Sectors
2023	63,652	8,033	10,812	15,192	29,615	87%	47%
2022	62,836	5,968	7,795	14,991	34,082	91%	54%
2021	63,773	5,046	6,200	15,697	36,830	92%	58%
2020	62,617	4,357	4,692	15,331	38,237	93%	61%
2019	61,029	3,377	3,690	14,065	39,897	94%	65%
2018	61,808	3,050	3,156	13,852	41,750	95%	68%
2017	60,552	2,745	2,809	13,605	41,393	95%	68%
2016	60,355	2,489	2,794	12,839	42,233	96%	70%
2015	61,347	2,614	2,728	12,950	43,055	96%	70%
2014	60,484	2,341	2,658	12,080	43,405	96%	72%
2013	60,992	2,306	2,605	11,910	44,171	96%	72%
2012	60,525	2,188	2,686	11,709	43,942	96%	73%
2011	62,333	2,798	2,757	12,303	44,475	96%	71%
2010	61,962	2,517	2,868	11,619	44,958	96%	73%
<b>Total</b>	<b>991,064</b>	<b>57,655</b>	<b>67,098</b>	<b>210,892</b>	<b>655,419</b>		

Notes: 1. The match rate is an average of all years. The match rate for any given year will change over time. For example, the 2023 match rate of 87% will likely increase over time as more students move into college and the workforce.



**MLDS CENTER**  
Maryland Longitudinal Data System

Summary

12th Grade

Trends

<https://mldscenter.maryland.gov/>

Data analysis as of: 11/22/2024

# MLDS Historic Trends

## System Data by Sector

This analysis shows the number of unique individuals within the System, in total and by sector, as well as the annual increases.

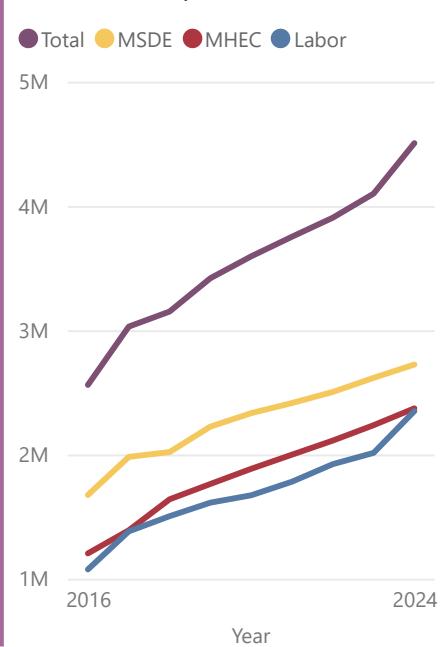
### Total Individuals in MLDSC

Data Year	Total Individuals	% YoY Change
2024	4,505,603	10%
2023	4,099,033	5%
2022	3,905,411	4%
2021	3,752,475	4%

### Total Individuals in MSDE Data

Data Year	Total Individuals	% YoY Change
2024	2,723,760	4%
2023	2,616,588	5%
2022	2,503,018	4%
2021	2,414,097	4%

### Trend of Unique Individuals



### Total Individuals in MHEC Data

Data Year	Total Individuals	% YoY Change
2024	2,371,353	6%
2023	2,235,571	6%
2022	2,111,844	6%
2021	1,998,596	6%

### Total Individuals in Labor Data

Data Year	Total Individuals	% YoY Change
2024	2,349,107	17%
2023	2,012,684	5%
2022	1,922,183	8%
2021	1,781,032	7%

## 12th Grade Linking by Cohort

This analysis shows the cross-sector linkage rates across 12th grade student cohorts. For example, in 2024, the Center was able to match 92% of the 2008 12th grade cohort to one or more sectors. In comparison, in 2016, 87% of that same cohort was matched to one or more sectors. The overall cross-sector match rate is provided as well and shows that in 2024, 94% of the students in the various cohorts are matched to one or more sectors.

### Students with Cross-sector Matches by Data Year and Cohort

Data Year	2008	2010	2012	2014	2016	2018	2020	2022	2023
2024	92%	96%	96%	96%	96%	95%	93%	91%	87%
2023	92%	96%	96%	96%	96%	95%	92%	87%	
2019	91%	95%	96%	95%	94%	90%			
2016	87%	93%	93%	90%					

### Overall Cross-sector

Data Year	Overall Rate	% Change
2024	94%	0%
2023	94%	0%
2019	94%	0%
2016	92%	4%

