

# 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 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

4,099,033

Total Individuals

## Individuals in Multiple Sectors

2,026,092

Total Individuals

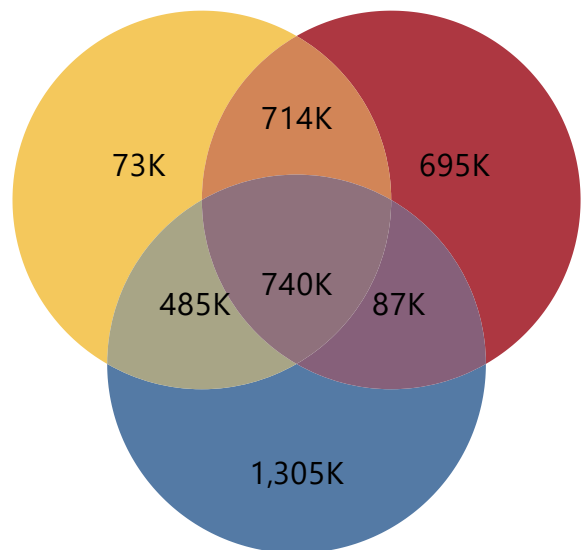
## Individuals in all Three Sectors

739,718

Total Individuals

## Overview of MLDS Individuals by Source

● Labor	● MHEC	● MSDE
2,012,684	2,235,571	2,616,588
48%	54%	63%



### Notes:

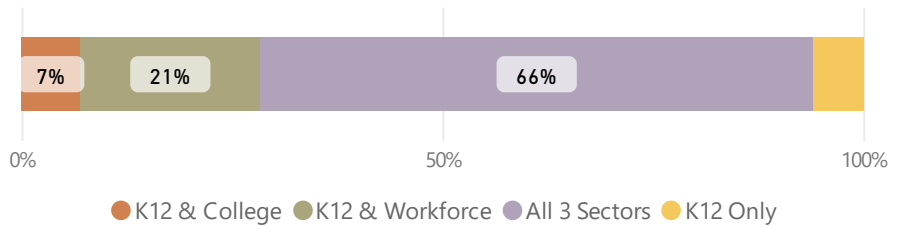
1. The sectors are K-12, Higher Education, and Workforce. The data for those sectors are provided by the Maryland State Department of Education (MSDE), the Maryland Higher Education Commission (MHEC), and the Maryland Department of Labor (Labor), respectively.
2. As an example, a Maryland public school student who enrolled in college and was employed in Maryland, during or following these educational experiences, would be one of the approximately 740,000 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(1). 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 - 2022

Cohort Year	Total 12th Grade	K12 Only	K12 & College	K12 & Workforce	All 3 Sectors	% Matched ANY Sector	% Matched ALL 3 Sectors
2022	62,836	8,149	11,128	15,705	27,854	87%	44%
2021	63,773	6,182	7,910	16,024	33,657	90%	53%
2020	62,617	4,890	5,847	15,251	36,629	92%	58%
2019	61,029	3,788	4,541	14,523	38,177	94%	63%
2018	61,808	3,334	3,588	14,167	40,719	95%	66%
2017	60,552	2,885	3,117	13,687	40,863	95%	67%
2016	60,356	2,600	3,004	12,879	41,873	96%	69%
2015	61,347	2,710	2,870	13,004	42,763	96%	70%
2014	60,483	2,423	2,783	12,101	43,176	96%	71%
2013	60,991	2,372	2,712	11,952	43,955	96%	72%
2012	60,525	2,261	2,777	11,725	43,762	96%	72%
2011	62,333	2,876	2,834	12,343	44,280	95%	71%
2010	61,962	2,586	2,944	11,641	44,791	96%	72%
2009	61,760	2,930	3,234	11,359	44,237	95%	72%
<b>Total</b>	<b>927,411</b>	<b>55,086</b>	<b>65,140</b>	<b>197,712</b>	<b>609,473</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 2022 match rate of 87% will likely increase over time as more students move into college and the workforce.

# 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.

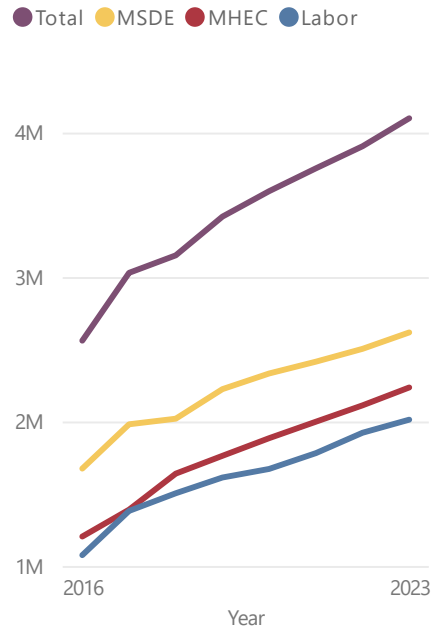
### Total Individuals in MLDSC

Data Year	Total Individuals	% YoY Change
2023	4,099,033	5%
2022	3,905,411	4%
2021	3,752,475	4%
2020	3,594,233	5%

### Total Individuals in MSDE Data

Data Year	Total Individuals	% YoY Change
2023	2,616,588	5%
2022	2,503,018	4%
2021	2,414,097	4%
2020	2,332,359	5%

### Trend of Unique Individuals



### Total Individuals in MHEC Data

Data Year	Total Individuals	% YoY Change
2023	2,235,571	6%
2022	2,111,844	6%
2021	1,998,596	6%
2020	1,884,468	7%

### Total Individuals in Labor Data

Data Year	Total Individuals	% YoY Change
2023	2,012,684	5%
2022	1,922,183	8%
2021	1,781,032	7%
2020	1,671,501	4%

## 12th Grade Linking by Cohort

This analysis shows the cross-sector linkage rates across 12th grade student cohorts. For example, in 2023, 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 2023, 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	2019	2020	2021	2022
2023	92%	96%	96%	96%	96%	95%	94%	92%	90%	87%
2022	92%	96%	96%	96%	96%	94%	93%	91%	89%	
2019	91%	95%	96%	95%	94%	90%				
2016	87%	93%	93%	90%						

### Overall Cross-sector

Data Year	Overall Rate	% Change
2023	94%	0%
2022	94%	0%
2019	94%	0%
2016	92%	4%