



MLDS CENTER

Maryland Longitudinal
Data System

Better Data • Informed Choices • Improved Results

Substantive Changes to
the

MLDS Data Inventory

June 2021

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Overview

The Maryland Longitudinal Data System (MLDS) is Maryland's central repository for comprehensive data from all levels of education and into the State's workforce. The MLDS Governing Board is required to create an inventory of individual student and workforce data proposed to be maintained in the system (Md. Ed. Art. §24-704(g)(6)). Additionally, the data inventory serves to inform the public about the contents of the MLDS database. This document provides a comprehensive summary of data elements proposed to be maintained, or removed from the System.

Process

The development of the Data Inventory is a collaborative process between Labor, MSDE and MHEC, and the MLDS Data Governance Advisory Board. The MLDS Data Governance Advisory Board annually reviews the Data Inventory and identifies what data elements to propose for inclusion or remove from the System. All data must be relevant to answering one of the questions in the [Research Agenda](#) or generally identified as necessary for evaluating federal or State supported education programs. Data elements identified for inclusion or removal in the System are presented to the Governing Board for approval. Once approved, the requirements are developed with the agency and included in the data collection calendar.

Accessing the Data Inventory

As of December 2016, the MLDS Data Inventory is available online through the MLDS Center [website](#). This change allows the inventory to be more dynamic, by presenting the inventory in a way that may be organized according to the user's needs.

Changes to the Data Inventory

As a result of publishing the Data Inventory in a dynamic format, this document will only include substantive changes for each of the domains. Substantive changes are inclusions or removals of data elements in the Data Inventory.

Administrative changes are made annually and include the following:

- Clarification to the database in which the data element is maintained (i.e. ODS or MDM)
- Corrections and consistency in the CEDS Global ID for the Data Element
- Consistency in reporting the Element Name

Student Data

State law (Education Article §24-701, Annotated Code of Maryland) defines student data to mean data relating to student performance. The law also lists specific data elements not considered student data. As of the 2019 legislative session, House Bill 704 authorizes the Center to include discipline data and juvenile delinquency records. By removing the restriction on these specific data elements, student data now includes:

- State and national assessments;
- Course-taking and completion;

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- Grade point average;
- Remediation;
- Retention;
- Degree, diploma, or credential attainment;
- Enrollment;
- Demographic data;
- Juvenile delinquency records; and
- Elementary and secondary school disciplinary records.

The law continues to prohibit the Center from collecting data on students from criminal and Child In Need of Assistance records and medical and health records.

Workforce Data

State law (Education Article §24-701, Annotated Code of Maryland) defines workforce data as data relating to:

- Employment status;
- Wage information;
- Geographic location of employment; and
- Employer information.

Understanding the Fields in the Data Inventory

Approval Status – identifies the Governing Board approval status for the Domain, Entity, or Element.

- **Approved** – The element had been approved for inclusion in the MLDS by the MLDS Governing Board.
- **Proposed** – The element has been proposed for inclusion and is pending review by the MLDS Governing Board for collection by the MLDS Center.
- **Temporary** – The external data element has been approved for inclusion in the MLDS by the MLDS Governing Board. Temporary data will be listed as “Temporary – until mm-dd-yyyy”.

Agency – The entity that provided the data element to the MLDS. Agencies are only those who share data that are used for Center output including research, reporting, and data requests. Current agencies providing data include: the Maryland State Department of Education (MSDE), Maryland Higher Education Commission (MHEC), Maryland Department of Labor (Labor), and Maryland Department of Juvenile Services (DJS).

Approval Date – date that the Governing Board approved the inclusion of the Data Element to be maintained in the System.

Availability – the earliest date that the Date Element is available to the MLDS.

CEDS Global ID – is the Common Education Data Standards unique identifier for the data element. Data elements in the MLDS database are mapped to the [Common Education Data Standards](#) (CEDS Version 7.1) when possible. CEDS represents a national, collaborative effort to develop voluntary, common data standards across the P-20W pipeline and provides nationally recognized naming conventions and definitions. Where data cannot be mapped to CEDS 7.1 standards, alternate domain, entity, and element names are provided, if applicable.

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Database – an indication of the location of the data element within the MLDS. Data elements are either in the Operational Data Store (ODS) or the Master Data Management (MDM) database. The MDM database contains confidential and sensitive information on student and workers and is restricted to specified authorized staff of the MLDS Center. The ODS contains sensitive, de-identified information on students and workers and is restricted to authorized staff of the MLDS Center.

Description – a description of the Data Element that provides additional information related to how the data element is collected, used, or defined in the System.

Domain/Sector – Domains indicate the sectors that are part of the MLDS. The Data Inventory contains domains/sectors related to the MLDS partner agencies and other external entities that provide student and workforce data directly to the MLDS through a memorandum of understanding. MLDS partners include: Maryland State Department of Education (MSDE), Maryland Higher Education Commission (MHEC), Maryland Department of Labor (Labor), and Maryland Department of Juvenile Services (DJS). The Data Inventory also contains publicly available data or data provided through a memorandum of understanding with an external entity. Data from external sources, such as the Motor Vehicle Administration (MVA) and U.S. Census Bureau, are used to enhance the data received from internal sources, and provide additional context to the data in the System.

Domains/sectors include:

- Workforce,
- Postsecondary,
- K12,
- Early Learning,
- Juvenile Delinquency,
- Adult Education, and
- External Data.

Element Name – describes the given name for a data element provided to the MLDS. This may be the name used by the partner agency, or a standard name used by CEDS. Note: The same element name may appear multiple times, as the MLDS receives the same data element from multiple sources.

Entity – Entities represent persons, places, events, objects or concepts about which the data is collected or shared. The Entities in the MLDS Data Inventory are:

- Address
- AE Student
- Assessments
- Authentication and Authorization
- EL Child
- EL Organization
- EL Staff
- Financial Aid
- Institutional Characteristics
- K12 Class/Section
- K12 Course
- K12 Organizations
- K12 School
- K12 Staff
- K12 Student
- LEA
- NA
- PS Institution
- PS Student
- Quarterly Employment
- Tuition
- W Employer
- W Person

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Data Usage – provides an indication of the status of the data element within the MLDS. The data element is either available for use in research or only used by internal IT staff for identity resolution.

Source – indicates the origin of the data for the specific Domain/Sector. This may be the name of the data collection administered by the agency or the table name. The source is specific to the agency providing the data to the MLDS.

K-12

K-12 domain data is provided to the MLDS from the Maryland State Department of Education (MSDE).

Proposed Sources

Division of Early Childhood

The Division of Early Childhood of the Maryland State Department of Education collects data from the Kindergarten Readiness Assessment (KRA), one component of Ready for Kindergarten (R4K): Maryland’s Early Childhood Comprehensive Assessment System. The KRA is administered in the Fall to incoming public-school kindergarteners each school year and completed by mid-October. The KRA measures skills in the following four learning domains: Language and Literacy, Mathematics, Social Foundations, and Physical Well-Being and Motor Development. The data elements for inclusion in the Data Inventory are listed below.

CEDS Global ID	Entity	Element Name	Approval Status	Availability	Source	Database
000243	K12 Student	Academic Year	Proposed	2015	Division of Early Childhood	ODS
001068	K12 Student	LEA Number	Proposed	2015	Division of Early Childhood	ODS
001069	K12 Student	School Number	Proposed	2015	Division of Early Childhood	ODS
001071	K12 Student	Statewide Identifier	Proposed	2015	Division of Early Childhood	MDM
001071	K12 Student	Local School Identifier	Proposed	2015	Division of Early Childhood	MDM
000172	K12 Student	Last Name	Proposed	2015	Division of Early Childhood	MDM
000172	K12 Student	First Name	Proposed	2015	Division of Early Childhood	MDM
000184	K12 Student	Middle Name	Proposed	2015	Division of Early Childhood	MDM
000121	K12 Student	Generational Code or Suffix	Proposed	2015	Division of Early Childhood	MDM
000206	K12 Student	Preferred Name (Optional)	Proposed	2015	Division of Early Childhood	MDM
000033	K12 Student	Date of Birth	Proposed	2015	Division of Early Childhood	MDM
000100	K12 Student	Grade	Proposed	2015	Division of Early Childhood	ODS
000255	K12 Student	Gender	Proposed	2015	Division of Early Childhood	ODS
000144	K12 Student	Ethnicity	Proposed	2015	Division of Early Childhood	ODS

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NA	K12 Student	Race	Proposed	2015	Division of Early Childhood	ODS
000149	K12 Student	Homeless	Proposed	2015	Division of Early Childhood	ODS
000281	K12 Student	Title I Indicator	Proposed	2015	Division of Early Childhood	ODS
000092	K12 Student	FARMS	Proposed	2015	Division of Early Childhood	ODS
000092	K12 Student	Free Reduced	Proposed	2015	Division of Early Childhood	ODS
000189	K12 Student	Migrant Status	Proposed	2015	Division of Early Childhood	ODS
000151	K12 Student	Special Education (SE) Indicator	Proposed	2015	Division of Early Childhood	ODS
000263	K12 Student	Special Education End Date	Proposed	2015	Division of Early Childhood	ODS
NA	K12 Student	SE Certificate Status	Proposed	2015	Division of Early Childhood	ODS
000180	K12 Student	EL Student	Proposed	2015	Division of Early Childhood	ODS
NA	K12 Student	EL Entry date into US	Proposed	2015	Division of Early Childhood	ODS
001247	K12 Student	EL Begin Date	Proposed	2015	Division of Early Childhood	ODS
000570	K12 Student	EL End Date	Proposed	2015	Division of Early Childhood	ODS
NA	K12 Student	Foster Care Status	Proposed	2015	Division of Early Childhood	ODS
001576	K12 Student	Military Connected Indicator	Proposed	2015	Division of Early Childhood	ODS
001654	K12 Student	Direct Certification	Proposed	2015	Division of Early Childhood	ODS
000122	K12 Student	Gifted and Talented	Proposed	2015	Division of Early Childhood	ODS
001501	K12 Student	KRA IEP Status	Proposed	2015	Division of Early Childhood	ODS
000218	K12 Student	KRA Disability Status	Proposed	2015	Division of Early Childhood	ODS
000092	K12 Student	KRA FARMS	Proposed	2015	Division of Early Childhood	ODS
000180	K12 Student	KRA EL	Proposed	2015	Division of Early Childhood	ODS
001068	K12 Student	Test Sample LEA	Proposed	2015	Division of Early Childhood	ODS
001069	K12 Student	Test Sample School	Proposed	2015	Division of Early Childhood	ODS

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NA	K12 Student	KRA Test Status	Proposed	2015	Division of Early Childhood	ODS
NA	K12 Student	Sample Flag	Proposed	2015	Division of Early Childhood	ODS
NA	K12 Student	Sampling Weight	Proposed	2015	Division of Early Childhood	ODS
NA	K12 Student	Selection Probability	Proposed	2015	Division of Early Childhood	ODS
000086	K12 Student	KRA ECODIS	Proposed	2020	Division of Early Childhood	ODS

Perkins V Reporting - Secondary

Under the federal accountability requirements of the *Strengthening Career and Technical Education for the 21st Century Act of 2018* (Perkins V), the Division of Career and College Readiness (DCCR) of the Maryland State Department of Education (MSDE) must report annually to the U.S. Department of Education - Office of Career, Technical, and Adult Education (OCTAE) the placement outcomes of secondary and postsecondary career and technical education (CTE) students two quarters following their exit from the program. State level and other administrative reporting requirements necessitate certain disaggregation not mandated by federal accountability. This required cross-sector analysis of program performance lead to the initiation of the partnership between MSDE-DCCR and the Maryland Longitudinal Data System Center (MLDS Center) to support this federal reporting. The K-12 data elements for inclusion in the Data Inventory are listed below.

CEDS Global ID	Entity	Element Name	Approval Status	Availability	Source	Database
001071	K12 Student	SASID	Proposed	2016	Perkins V Reporting - Secondary	MDM
001068	K12 Student	LEA Number	Proposed	2016	Perkins V Reporting - Secondary	ODS
001069	K12 Student	School Number	Proposed	2016	Perkins V Reporting - Secondary	ODS
000243	K12 Student	School Year	Proposed	2016	Perkins V Reporting - Secondary	ODS
000172	K12 Student	Last Name	Proposed	2016	Perkins V Reporting - Secondary	MDM
000115	K12 Student	First Name	Proposed	2016	Perkins V Reporting - Secondary	MDM
000184	K12 Student	Middle Name	Proposed	2016	Perkins V Reporting - Secondary	MDM
000121	K12 Student	Generation Code or Suffix	Proposed	2016	Perkins V Reporting - Secondary	MDM
000033	K12 Student	Date of Birth	Proposed	2016	Perkins V Reporting - Secondary	MDM

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000100	K12 Student	Grade	Proposed	2016	Perkins V Reporting - Secondary	ODS
000255	K12 Student	Gender	Proposed	2016	Perkins V Reporting - Secondary	ODS
000144	K12 Student	Ethnicity	Proposed	2016	Perkins V Reporting - Secondary	ODS
NA	K12 Student	Race	Proposed	2016	Perkins V Reporting - Secondary	ODS
000151	K12 Student	Special Education Indicator	Proposed	2016	Perkins V Reporting - Secondary	ODS
000180	K12 Student	EL Indicator	Proposed	2016	Perkins V Reporting - Secondary	ODS
000092	K12 Student	FARMS Indicator	Proposed	2016	Perkins V Reporting - Secondary	ODS
000189	K12 Student	Migrant Indicator	Proposed	2016	Perkins V Reporting - Secondary	ODS
000149	K12 Student	Homeless Served – McKinney	Proposed	2016	Perkins V Reporting - Secondary	ODS
NA	K12 Student	Foster Care Status	Proposed	2016	Perkins V Reporting - Secondary	ODS
001576	K12 Student	Military Connected Indicator	Proposed	2016	Perkins V Reporting - Secondary	ODS
001930	K12 Student	Out-of-Workforce	Proposed	2016	Perkins V Reporting - Secondary	ODS
000580	K12 Student	Single Parent	Proposed	2016	Perkins V Reporting - Secondary	ODS
000037	K12 Student	Concentrator	Proposed	2016	Perkins V Reporting - Secondary	ODS
000043	K12 Student	CIP	Proposed	2016	Perkins V Reporting - Secondary	ODS

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IDEA Reporting

Under the federal accountability requirements of the *Individuals with Disabilities Education Act (IDEA)*, the Division of Early Intervention and Special Education Services (DEI/SES) of the Maryland State Department of Education (MSDE) must report annually to the U.S. Department of Education - Office of Special Education Programs (OSEP) the placement outcomes of secondary special education students for the year following their exit from secondary education. State level and other administrative reporting requirements necessitate certain disaggregation not mandated by federal accountability. This required cross-sector analysis of program performance lead to the initiation of the partnership between MSDE-DEI/SES and the Maryland Longitudinal Data System Center (MLDSC) to support this federal reporting. The K-12 data elements for inclusion in the Data Inventory are listed below.

CEDS Global ID	Entity	Element Name	Approval Status	Availability	Source	Database
001071	K12 Student	SASID	Proposed	2016	IDEA Reporting	MDM
001068	K12 Student	LEA Number	Proposed	2016	IDEA Reporting	ODS
001069	K12 Student	School Number	Proposed	2016	IDEA Reporting	ODS
000107	K12 Student	Exit Year	Proposed	2016	IDEA Reporting	ODS
000172	K12 Student	Last Name	Proposed	2016	IDEA Reporting	MDM
000115	K12 Student	First Name	Proposed	2016	IDEA Reporting	MDM
000184	K12 Student	Middle Name	Proposed	2016	IDEA Reporting	MDM
000121	K12 Student	Generational Code or Suffix	Proposed	2016	IDEA Reporting	MDM
000033	K12 Student	Date of Birth	Proposed	2016	IDEA Reporting	MDM
000100	K12 Student	Grade	Proposed	2016	IDEA Reporting	ODS
000255	K12 Student	Gender	Proposed	2016	IDEA Reporting	ODS
000144	K12 Student	Ethnicity	Proposed	2016	IDEA Reporting	ODS
NA	K12 Student	Race	Proposed	2016	IDEA Reporting	ODS
NA	K12 Student	Other Placement Indicator	Proposed	2016	IDEA Reporting	ODS

Proposed Removals

The K-12 data elements proposed for removal are listed below.

CEDS Global ID	Entity	Element Name	Approval Status	Availability	Source	Database
000243	K12 Student	KRA Exempt Flag	Proposed	2015	Division of Early Childhood	ODS
001068	K12 Student	KRA Exempt Reason	Proposed	2015	Division of Early Childhood	ODS
001069	K12 Student	KRA Subtest Proficiency Level	Proposed	2015	Division of Early Childhood	ODS

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001071	K12 Student	KRA Subtest Title	Proposed	2015	Division of Early Childhood	ODS
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Workforce

Workforce domain data is provided to the MLDS from the Department of Labor (Labor).

Proposed Sources - None

There are no proposed workforce data elements at this time.

Proposed Removals - None

There are no removals of workforce data elements at this time.

Postsecondary

Postsecondary domain data is mainly provided to the MLDS from the Maryland Higher Education Commission (MHEC). In some cases, data is provided by MSDE.

Proposed Sources

Perkins V Reporting - Postsecondary

Under the federal accountability requirements of the *Strengthening Career and Technical Education for the 21st Century Act of 2018* (Perkins V), the Division of Career and College Readiness (DCCR) of the Maryland State Department of Education (MSDE) must report annually to the U.S. Department of Education - Office of Career, Technical, and Adult Education (OCTAE) the placement outcomes of secondary and postsecondary career and technical education (CTE) students two quarters following their exit from the program. State level and other administrative reporting requirements necessitate certain disaggregation not mandated by federal accountability. This required cross-sector analysis of program performance lead to the initiation of the partnership between MSDE-DCCR and the Maryland Longitudinal Data System Center (MLDS Center) to support this federal reporting. The postsecondary data elements for inclusion in the Data Inventory are listed below.

CEDS Global ID	Entity	Element Name	Approval Status	Availability	Source	Database
001071	Postsecondary	SSN	Proposed	2016	Perkins V Reporting - Postsecondary	MDM
001068	Postsecondary	College SIC Code	Proposed	2016	Perkins V Reporting - Postsecondary	ODS
001069	Postsecondary	School Year	Proposed	2016	Perkins V Reporting - Postsecondary	ODS
000243	Postsecondary	Term Number	Proposed	2016	Perkins V Reporting - Postsecondary	ODS

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000172	Postsecondary	Last Name	Proposed	2016	Perkins V Reporting - Postsecondary	MDM
000115	Postsecondary	First Name	Proposed	2016	Perkins V Reporting - Postsecondary	MDM
000184	Postsecondary	Middle Name	Proposed	2016	Perkins V Reporting - Postsecondary	MDM
000121	Postsecondary	Generation Code or Suffix	Proposed	2016	Perkins V Reporting - Postsecondary	MDM
000033	Postsecondary	Date of Birth	Proposed	2016	Perkins V Reporting - Postsecondary	ODS
000100	Postsecondary	Grade	Proposed	2016	Perkins V Reporting - Postsecondary	ODS
000255	Postsecondary	Gender	Proposed	2016	Perkins V Reporting - Postsecondary	ODS
000144	Postsecondary	Ethnicity	Proposed	2016	Perkins V Reporting - Postsecondary	ODS
NA	Postsecondary	Race	Proposed	2016	Perkins V Reporting - Postsecondary	ODS
000151	Postsecondary	Special Education Indicator	Proposed	2016	Perkins V Reporting - Postsecondary	ODS
000179	Postsecondary	ELL Indicator	Proposed	2016	Perkins V Reporting - Postsecondary	ODS
000086	Postsecondary	Economically Disadvantaged	Proposed	2016	Perkins V Reporting - Postsecondary	ODS
001930	Postsecondary	Out-of-Workforce	Proposed	2016	Perkins V Reporting - Postsecondary	ODS
000580	Postsecondary	Single Parent	Proposed	2016	Perkins V Reporting - Postsecondary	ODS
000037	Postsecondary	Concentrator	Proposed	2016	Perkins V Reporting - Postsecondary	ODS
000043	Postsecondary	CIP	Proposed	2016	Perkins V Reporting - Postsecondary	ODS

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NonCredit Workforce Completer System

Unit record data on students taking non-credit courses are being piloted by 7 of the 16 colleges for preliminary evaluation. MHEC seeks feedback from the MLDS Center on the usability of these pilot data, such as the matching ability to other data sources in different sectors. The current timeline is to finalize the collection for the 2022-2023 collection year. At that time, the pilot data would be removed from the MLDS. The postsecondary data elements for inclusion in the Data Inventory are listed below.

CEDS Global ID	Entity	Element Name	Approval Status	Availability	Source	Database
000727	Postsecondary	Collection Term	Proposed	2020	Cyber Warrior System	ODS
000726	Postsecondary	Collection Year	Proposed	2020	Cyber Warrior System	ODS
000203	Postsecondary	OPEID (FICE+2)	Proposed	2020	Cyber Warrior System	ODS
001071	Postsecondary	Identification Number (SSN)	Proposed	2020	Cyber Warrior System	ODS
001075	Postsecondary	Identification Number Type	Proposed	2020	Cyber Warrior System	ODS
001071	Postsecondary	Local Campus Student ID	Proposed	2020	Cyber Warrior System	ODS
000172	Postsecondary	Last Name	Proposed	2020	Cyber Warrior System	ODS
000115	Postsecondary	First Name	Proposed	2020	Cyber Warrior System	ODS
000184	Postsecondary	Middle Name	Proposed	2020	Cyber Warrior System	ODS
000255	Postsecondary	Gender	Proposed	2020	Cyber Warrior System	ODS
000033	Postsecondary	Birthdate	Proposed	2020	Cyber Warrior System	ODS
000214	Postsecondary	Current Zip Code	Proposed	2020	Cyber Warrior System	ODS
000297	Postsecondary	Residency Code	Proposed	2020	Cyber Warrior System	ODS
000299	Postsecondary	Citizenship Indicator	Proposed	2020	Cyber Warrior System	ODS
000144	Postsecondary	Hispanic/Latino Ethnicity	Proposed	2020	Cyber Warrior System	ODS
000301	Postsecondary	White	Proposed	2020	Cyber Warrior System	ODS
000034	Postsecondary	Black	Proposed	2020	Cyber Warrior System	ODS
000020	Postsecondary	Asian	Proposed	2020	Cyber Warrior System	ODS

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000016	Postsecondary	American Indian/ Native Alaskan	Proposed	2020	Cyber Warrior System	ODS
000192	Postsecondary	Native Hawaiian/ Pacific Islander	Proposed	2020	Cyber Warrior System	ODS
NA	Postsecondary	Course or Sequence Name	Proposed	2020	Cyber Warrior System	ODS
000043	Postsecondary	Subject Area	Proposed	2020	Cyber Warrior System	ODS
000054	Postsecondary	Course or Sequence Start Date	Proposed	2020	Cyber Warrior System	ODS
000059	Postsecondary	Course or Sequence Date Completed	Proposed	2020	Cyber Warrior System	ODS
000081	Postsecondary	Date Conferred	Proposed	2020	Cyber Warrior System	ODS
000362	Postsecondary	Instructional Hours	Proposed	2020	Cyber Warrior System	ODS
000169	Postsecondary	Hours Type	Proposed	2020	Cyber Warrior System	ODS
000783	Postsecondary	Licensure or Certification	Proposed	2020	Cyber Warrior System	ODS
NA	Postsecondary	Course or Sequence Type	Proposed	2020	Cyber Warrior System	ODS

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Cyber Warrior System

[SB0615](#), passed in 2018, established the Cyber Warriors Diversity Program. On or before December 1, 2021 the Maryland Higher Education Commission is required to provide a report to the Governor and the General Assembly on the wages and earnings of students who participated in this program. MHEC would like to produce this report over the summer of 2021 and requested assistance from the MLDS Center in merging Cyber Warrior System data with UI Wage data to fulfill the reporting obligation.

This will not be a permanent collection for MHEC and is limited in scope to only four Maryland Institutions of Higher Education. Because it is a temporary collection and a small population, MHEC requested that this data be considered a temporary addition to the data inventory until August 31, 2021. The postsecondary data elements for inclusion in the Data Inventory are listed below.

CEDS Global ID	Entity	Element Name	Approval Status	Availability	Source	Database
000727	Postsecondary	Collection Term	Proposed – Temporary until 08/31/2021	2019	Cyber Warrior System	ODS
000726	Postsecondary	Collection Year	Proposed – Temporary until 08/31/2021	2019	Cyber Warrior System	ODS
000203	Postsecondary	OPEID (FICE+2)	Proposed – Temporary until 08/31/2021	2019	Cyber Warrior System	ODS
001071	Postsecondary	Identification Number (SSN)	Proposed – Temporary until 08/31/2021	2019	Cyber Warrior System	MDM
001075	Postsecondary	Identification Number Type	Proposed – Temporary until 08/31/2021	2019	Cyber Warrior System	MDM
001071	Postsecondary	Local Campus Student ID	Proposed – Temporary until 08/31/2021	2019	Cyber Warrior System	MDM
001071	Postsecondary	State Assigned Student Identifier	Proposed – Temporary until 08/31/2021	2019	Cyber Warrior System	MDM
000172	Postsecondary	Last Name	Proposed – Temporary until 08/31/2021	2019	Cyber Warrior System	MDM
000115	Postsecondary	First Name	Proposed – Temporary until 08/31/2021	2019	Cyber Warrior System	MDM
000184	Postsecondary	Middle Name	Proposed – Temporary until 08/31/2021	2019	Cyber Warrior System	MDM

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000255	Postsecondary	Gender	Proposed – Temporary until 08/31/2021	2019	Cyber Warrior System	ODS
000033	Postsecondary	Birthdate	Proposed – Temporary until 08/31/2021	2019	Cyber Warrior System	ODS
000214	Postsecondary	Current Zip Code	Proposed – Temporary until 08/31/2021	2019	Cyber Warrior System	ODS
000297	Postsecondary	Residency	Proposed – Temporary until 08/31/2021	2019	Cyber Warrior System	ODS
000299	Postsecondary	US Citizenship	Proposed – Temporary until 08/31/2021	2019	Cyber Warrior System	ODS
000144	Postsecondary	Hispanic/Latino Ethnicity	Proposed – Temporary until 08/31/2021	2019	Cyber Warrior System	ODS
000301	Postsecondary	White	Proposed – Temporary until 08/31/2021	2019	Cyber Warrior System	ODS
000034	Postsecondary	Black	Proposed – Temporary until 08/31/2021	2019	Cyber Warrior System	ODS
000020	Postsecondary	Asian	Proposed – Temporary until 08/31/2021	2019	Cyber Warrior System	ODS
000016	Postsecondary	American Indian/ Native Alaskan	Proposed – Temporary until 08/31/2021	2019	Cyber Warrior System	ODS
000192	Postsecondary	Native Hawaiian/ Pacific Islander	Proposed – Temporary until 08/31/2021	2019	Cyber Warrior System	ODS
NA	Postsecondary	Entry Term	Proposed – Temporary until 08/31/2021	2019	Cyber Warrior System	ODS
NA	Postsecondary	Entry Year	Proposed – Temporary until 08/31/2021	2019	Cyber Warrior System	ODS
NA	Postsecondary	CompTIA Program	Proposed – Temporary until 08/31/2021	2019	Cyber Warrior System	ODS
NA	Postsecondary	CompTIA Program Completion Date	Proposed – Temporary until 08/31/2021	2019	Cyber Warrior System	ODS

Proposed Removals - None

There are no removals of postsecondary data elements at this time.

Early Learning

Early Learning domain data is provided to the MLDS from the Maryland State Department of Education (MSDE).

Proposed Sources

Division of Early Childhood

As of 2019-2020 the Predominant Prior Care data element was changed to distinct prior care elements that identify whether the care was half day or full day. The Early Learning data elements proposed for inclusion in the Data Inventory are listed below.

CEDS Global ID	Entity	Element Name	Approval Status	Availability	Source	Database
000829	EL Child	KRA Predominant Prior Care	Proposed	2015	Division of Early Childhood	ODS
000829	EL Child	Prior Care – Informal Care	Proposed	2015	Division of Early Childhood	ODS
000829	EL Child	Prior Care – Head Start	Proposed	2015	Division of Early Childhood	ODS
000829	EL Child	Prior Care – PK Public School	Proposed	2015	Division of Early Childhood	ODS
000829	EL Child	Prior Care – Child Care Center	Proposed	2015	Division of Early Childhood	ODS
000829	EL Child	Prior Care – Family Care Center	Proposed	2015	Division of Early Childhood	ODS
000829	EL Child	Prior Care – Nonpublic Nursery School	Proposed	2015	Division of Early Childhood	ODS
000829	EL Child	Prior Care – Kindergarten Repeated	Proposed	2015	Division of Early Childhood	ODS

Proposed Removals

The early learning data elements proposed for removal are listed below.

CEDS Global ID	Entity	Element Name	Approval Status	Availability	Source	Database
000829	EL Child	Other Prior Care	Approved	2015	Division of Early Childhood	ODS

Juvenile Delinquency

Juvenile delinquency domain data is provided to the MLDS from the Department of Juvenile Services (DJS).

Proposed Sources - None

There are no proposed juvenile delinquency data elements at this time.

Proposed Removals - None

There are no removals of juvenile delinquency data elements at this time.

Adult Education

Adult Education domain data is provided to the MLDS from the Department of Labor (Labor).

Proposed Sources - None

There are no proposed adult education data elements at this time.

Proposed Removals - None

There are no removals of adult education data elements at this time.

External Data

External data is acquired by the MLDS from:

- U.S. Census Bureau (Census); and
- Maryland Department of Transportation, Motor Vehicle Administration (MVA).

This data is used to authenticate the identity of a person and is used internally by MLDS staff.

As of June 2020, external data from an individual or entity requesting the inclusion and use of external data for a report or research project is allowed as a permanent or temporary source of data. In these cases, external data are defined as follows:

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- External data means data that are not part of the Center data and are being provided for a unique study or program evaluation. External data are student or worker unit record data as defined by Education Article § 24-701(f) and (g), Annotated Code of Maryland.
- External data does not include aggregate (non-individual) level data that are used in conjunction with Center data (i.e. IPEDS data or school climate reports are not external data).

Proposed Sources - None

There are not proposed external data elements at this time.

Proposed Removals - None

There are no removals of external data elements at this time.

Supporting Information For more information on the MLDS Center please visit the MLDS Center website at mldscenter.maryland.gov.

For additional information on CEDS 7.1 Data Standards visit ceds.ed.gov. [CEDS 101](#) describes what the CEDS standard is, why it is needed, and the parts of the CEDS standard.

Contributors and Change History

Date	Description/Reason for change	Authors/Contributors	Version
07/25/2012	Initial Draft	John Bruns	1.0
09/1/2012	Revision of content, addition of tables	John Bruns, Rob London	1.0
10/2/2013	Revision of content, addition of person, organization data elements; mapping to CEDS workforce elements added	John Bruns	2.0
10/29/2013	Added CEDS 4.0 details and data elements planned for the MLDS Master Data Management system	John Bruns	2.0
10/31/2013	Review and update	Chandra Haislet	2.0
11/1/2013	Updates to sections 2.0-5.0	Ross Goldstein	2.1
11/1/2013	Inactive CEDS 4.0 elements removed from Appendix B	John Bruns	2.2
11/15/2013	Active and Approved elements added to Appendix B and C; reserved elements removed	John Bruns	2.3
11/20/2013	Removed Appendices related to elements by policy question and system source; added active and Approved elements; denoted elements not mapped to CEDS 4.0	John Bruns	2.4
11/25/2013	Defined Approved elements as those approved by agencies for submission; removed Approved elements not approved	John Bruns	2.5

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Date	Description/Reason for change	Authors/Contributors	Version
12/13/2013	All "Approved" data elements in Version 2.5 marked as active following MLDS Board approval	John Bruns	2.6
1/4/2014	Initial Draft of CEDS Elements	John Bruns (MSDE)	3.1
1/31/2014	Research Request of CEDS Elements	Mike Woolley (UMB)	3.1
2/28/2014	Availability of Data Alignment – K12	Janice Johnson (MSDE)	3.2
2/28/2014	Availability of Data Alignment – Workforce	Donni Turner (DLLR)	3.2
2/28/2014	Availability of Data Alignment – Postsecondary	Andrew Nichols (MHEC)	3.2
3/13/2014	Approved Items for Inventory	Chandra Haislet (MLDS Center)	3.3
5/28/2014	Availability of Data Alignment – Postsecondary	Jon Enriquez (MHEC)	3.4
6/2/2014	Approved Items for Inventory (Data Gab)	Chandra Haislet (MLDS Center)	3.5
6/6/2014	Availability of Data Alignment – Early Learning	Phil Koshkin (ECE)	3.6
6/6/2014	Additional Postsecondary Data	Jon Enriquez (MHEC)	3.7
6/9/2014	Availability of Data Alignment – Workforce	Donni Turner (DLLR)	3.8
12/8/2014	Availability of Data Alignment – Governing Board Meeting 12/16/2014	Laia Tideman (MLDS Center)	4.0
12/18/2014	Proposed Data Elements Approved by the Governing Board 12/16/2014	Laia Tideman (MLDS Center)	4.1
11/10/15	Inclusion of Data Elements approved in previous versions (MHEC and DLLR) Inclusion of MVA Data Elements for approval by the MLDS Governing Board	Laia Tideman (MLDS Center)	4.2
12/8/2015	Revisions by MHEC to Postsecondary Data Elements	Parris Jackson	4.3
12/9/2015	Final Revisions prior to presentation at the MLDS Governing Board	Laia Tideman	4.5
12/15/2015	Final with approval from Governing Board	Laia Tideman	4.5
10/13/2015	Revisions for Data GAB 10/19/2016	Laia Tideman	4.7
11/1/2016	Published Data Inventory on MLDS Website Revised document to include substantive changes Included definitions for all fields included in online Data Inventory	Laia Tideman	5.0
11/21/2016	Changes to proposed workforce sources and elements	Laia Tideman	5.1
12/2/2016	Updates to <i>Overview</i> , inclusion of <i>Process</i> , <i>Student Data</i> and <i>Workforce Data</i> definitions, updates to <i>Understanding the Fields</i> in the Data Inventory	Laia Tideman	5.2
5/16/2017	Proposed and Removed data elements for 2017 June Governing Board Meeting	Laia Tideman	6.0

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Date	Description/Reason for change	Authors/Contributors	Version
5/24/2018	Proposed removal of IPEDS Data and Inclusion of Publicly Available Aggregate Data; Annual updates for 2018 June Governing Board Meeting	Laia Tiderman	7.0
6/14/2018	Changes requested during 2018 June Governing Board Meeting	Laia Tiderman	7.5
11/29/2018	Additions to PK12 data in alignment with changes to data collections made by MSDE	Laia Tiderman	8.0
05/21/2019	Additions to Workforce data due to the new Apprenticeship Program data collection from DLLR; Annual updates for 2019 June Governing Board Meeting	Molly Abend	9.0
09/03/2019	Additions to PK12 data from Discipline data and Gifted and Talented Indicator. Workforce additions to LACES.	Molly Abend	9.1
11/22/2019	Census element additions to PK12 data. Postsecondary additions and removals to MAPCS and DIS. Changed CEDS 6.0 to 7.1	Molly Abend	9.2
06/01/2020	Updated field definitions to match website language. Added Early Learning and Adult Education as a domain/sector. Added Juvenile Delinquency as a domain/sector and proposed data element additions to Juvenile Delinquency data.	Molly Abend	10.0
09/03/2020	Proposed data elements for the 2020 September Governing Board Meeting. Added a "Temporary" field as an Approval Status option. Added External Data as a domain/sector and included more detail to the external data definition.	Molly Abend	10.1
03/05/2021	Accountability School data element included in the Data Inventory. Did not need approval; informational only.	Molly Abend	11.0
05/26/2021	Proposed data elements for the 2021 June Governing Board Meeting.	Molly Abend	11.1