MLDS Center
Maryland Longitudinal Data System

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MEMORANDUM

TO: MLDS Governing Board

FROM: Molly B. Abend, Data Management Coordinator

DATE: March 6, 2023

SUBJECT: MLDS 2023 Data Inventory

Purpose

The purpose of this agenda item is to provide information to the Governing Board on the proposed changes to the MLDS Data Inventory for Governing Board approval at the March Board Meeting.

Data Inventory

The MLDS Governing Board is required to create an inventory of individual student and workforce data proposed to be maintained in the system (Ed. Art. §24-704(g)(6) Md. Annotated Code). Additionally, the data inventory serves to inform the public about the contents of the MLDS.

Summary of Proposed Additions

A. WIOA Title I: Adult, Dislocated Worker, and Youth and WIOA Title III: Employment Services Data

Part of the Workforce Data Quality Initiative (WDQI) grant awarded in 2021 funds a project to expand the capacity and utility of the MLDS by integrating additional workforce data into the system. The Maryland Department of Labor, Division of Workforce Development and Adult Education received the WDQI grant from the U.S. Department of Labor and the project is a collaboration between Labor, the MLDS Center, and MHEC. The data elements proposed for addition are below.

1. State ID	35. Receiving SSI
2. Social Security Number	36. Receiving SSDI
3. First Name	37. Receiving General Assistance
4. Last Name	38. UC Recipient
5. Middle Initial	39. WIB Name
6. Address 1	40. Office Name
7. Address 2	41. Program Eligibility Date
8. City	42. Participation Date
9. State	43. Program Offender
10. Zip Code	44. Program English Language Learner
11. Date of Birth	45. Program Single Parent
12. Gender	46. Program Incumbent Worker
13. Individual with a Disability	47. App ID
14. American Indian or Alaska Native	48. Program Exit Date
15. Asian	49. Program Exit Reason
16. Black or African American	50. Program Employed in 1st Q after Exit
17. Native Hawaiian/Other Pacific Islander	51. Program Employed in 2nd Q after Exit

18. White
19. Race Not Provided
20. Hispanic/Latino Ethnicity
21. Veteran Status
22. Eligible Veteran Status
23. Disabled Veteran
24. TAP Workshop Veteran
25. Recently Separated Veteran
26. Homeless Veteran
27. Transitioning Service Member
28. Highest School Grade Completed
29. Education Status
30. Receiving TANF
31. Exhausting TANF within 2 Years
32. Long Term TANF

33. Receiving Food Stamps
34. Economically Disadvantaged

52. Program Employed in 4th Q after Exit
53. Program Employed in 8th Q after Exit
54. Funding Stream
55. Service Description
56. Provider Name
57. Provider Name 2
58. Service Name
59. Projected Begin Date
60. Actual Begin Date
61. Projected End Date
62. Actual Last Act Date
63. Completion Status
64. Foster Care Youth Status
65. Homeless
66. Date Received English as Second Language Services
67. Type of Training Service

B. Postsecondary Data from MHEC

The Maryland Higher Education Commission (MHEC) has added new elements to their established data collections: the Enrollment Information System (EIS); and the Maryland Approved Program Completer System (MAPCS). Additionally, one data element that has been collected in previous versions of the End of Term System (EOTS) was inadvertently left out. The Postsecondary data elements proposed for inclusion in the Data Inventory are listed below.

1. MAPCS Program Type (EIS)
2. Advanced Standing (EIS)
3. MAPCS Program Description (MAPCS)
4. MAPCS Program Type (MAPCS)
5. Citizen (EOTS)

C. Juvenile Delinquency Data from DJS

The Department of Juvenile Services (DJS) captures administrative data on youth who are involved in the Maryland juvenile justice system. The Maryland Comprehensive Assessment & Service Planning (MCASP) Risk & Needs Assessment is a standardized juvenile justice risk assessment utilized by DJS case managers to inform disposition and supervision/service decisions for adjudicated youth. It is designed to assess the youth's level of risk for recidivism, as well as service needs related to the youth's risk for recidivism. The two data elements proposed for inclusion in the Data Inventory are listed below.

1. MCASP Overall Risk Level
2. MCASP Date

D. Census Data from MSDE

 The Maryland State Department of Education implemented a new state-level data collection of Census tract and block data for Maryland public school students for the 2022-2023 school year. The data collection supports the work towards incorporating neighborhood indicators of poverty to improve the measurement of poverty in the State and as required in the Blueprint for Maryland's Future. The data elements proposed for inclusion in the Data Inventory are below.

1. Academic Year
2. LEA Number
3. School Number
4. SASID
5. Local Student ID
6. Last Name
7. First Name
8. Middle Name
9. Generational Code or Suffix
10. Preferred Name (Optional)
11. Date of Birth
12. Grade
13. Gender
14. Hispanic/Latino Ethnicity
15. American Indian or Alaska Native
16. Asian
17. Black or African American
18. Native Hawaiian or Other Pacific Islande
19. White
20. Homelessness Status
21. Title I Indicator
22. Free/Reduced Price Meal Eligibility
23. Migrant Status
24. Foreign Exchange Student Indicator
25. Special Education (SE) Indicator
26. Special Education End Date
27. Special Education Certificate Status
28. English Learner (EL) Status
29. English Learner Entry into the US Date
30. English Learner Service Begin Date
31. English Learner Service End Date
32. English Learner ELA Assessment Exempt Status
33. Foster Care Status
34. Military Connected Indicator
35. Gifted/Talented Indicator
36. Direct Certification
37. 15-Digit Geographic ID
38. Maryland Neighborhood Tier (MNT)

Summary of Proposed Temporary Additions

A. Long-term follow-up of a PBIS RCT: impact on academics, behavior, and juvenile justice involvement

 Researchers from the University of Maryland School of Social Work have proposed to add temporary external data to the MLDS to evaluate the long-term impacts of a multi-tiered system of support framework called Positive Behavioral Interventions and Supports (PBIS). This data will be brought into the system, matched, and removed from the system when they have completed their research. The data consist of student-level, staff-level, and school- level elements. The data elements proposed for temporary addition are below.

Student-level

1. Last Name
2. First Name
3. Middle Name
4. Date of Birth
5. SASID
6. School Number
7. Grade Level
8. Year
9. Cohort
10. Treatment Indicator

Staff-level

1. Last Name
2. First Name
3. Middle Name
4. Staff ID
5. School Teacher Worked in
6. Year Teacher Worked in School
7. Teacher Efficacy
8. Teacher Preparedness
9. Burnout
10. Perceptions of School Environment

11. Free/Reduced Price Meals

12. Gender
13. Race
14. Ethnicity
15. Teacher Observation of Classroom Adaptation - Student Behavior
16. Teacher Observation of Classroom Adaptation - Student Academics
17. Teacher Observation of Classroom Adaptation - Student Referrals
18. Suspensions (in school)

19. Suspensions (out of school)
20. Special Education Need
21. Targeted Program Need
22. Mental Health Services Need

11. Perceptions of parent/student Involvement in School

School-level
1. Systems Evaluation Tool Tier 1 Score
2. Individual Student Systems Evaluation Tool Scale 1
3. Individual Student Systems Evaluation Tool Scale 2
4. Individual Student Systems Evaluation Tool Scale 3
5. Individual Student Systems Evaluation Tool Scale 4
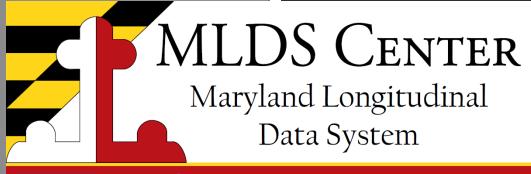
Summary of Proposed Removals

A. Census Data from MSDE

The Maryland State Department of Education implemented a new state-level data collection of Census tract and block data for Maryland public school students for the 2022-2023 school year. In 2019, the MLDS Governing Board approved two data elements in preparation for this eventual data collection, however the 15-Digit Geographic ID includes both the Census tract (6 digits) and block (4 digits) numbers. Therefore, the following two data elements are proposed for removal.

1. Student Census Tract
2. Student Census Block

Action

We request the Governing Board approve the additions, temporary additions, and removals to the MLDS Data Inventory – March 2023.

MLDS Center

Maryland Longitudinal Data System

Better Data • Informed Choices • Improved Results

Substantive Changes to the

MLDS Data Inventory

March 2023

Contents

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. Additionally, in 2022 House Bill 763 removes the restriction for the MLDS Center to receive CINA and Criminal History data. By removing the restriction on these specific data elements, student data now includes:
- State and national assessments;

- Course-taking and completion;
- Grade point average;
- Remediation;
- Retention;
- Degree, diploma, or credential attainment;
- Enrollment;
- Demographic data;
- Juvenile delinquency records;
- Elementary and secondary school disciplinary records;
- Child welfare data;
- License, industry certificate, or vocational certificate; and
- Personally identifiable information.

The law continues to prohibit the Center from 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;
- Employer information; and
- Personally identifiable 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 – 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

10) 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 10 standards, alternate domain, entity, and element names are provided, if applicable.

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,
- Child Welfare,
- Credentials, 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

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/entity 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

Census

Pursuant to Education Article §24–703.3, Annotated Code of Maryland, the MLDS Center is required to develop a protocol for a county board to convert a student's home address and geolocation information into Census tract and block numbers. Geolocation data at the student level enables the MLDS Center to use factors in the U.S. Census Bureau's American Community Survey to better understand the demographic and socioeconomic conditions of each Census tract and block.

The MLDS Center, in collaboration with the Maryland State Department of Education (MSDE), convened the Census Tract and Block Data Workgroup in August 2020. The Workgroup consisted of staff from four local school systems who all provided expertise in the collection and maintenance of student data. Workgroup members provided feedback on a draft protocol, tested the MLDS Center's utility, and piloted the protocol. The pilot data supported MSDE's interim neighborhood indicators of poverty report and implementation of a statewide data collection of student geolocation information for the 2022-2023 Academic Year.

CEDS Global ID	Sector	Element Name	Approval Status	Availability	Source	Database
000243	K12 Student	Academic Year	Proposed	2023	Census	ODS
001068	K12 Student	LEA Number	Proposed	2023	Census	ODS
001069	K12 Student	School Number	Proposed	2023	Census	ODS
001071	K12 Student	SASID	Proposed	2023	Census	MDM
001071	K12 Student	Local Student ID	Proposed	2023	Census	MDM
000172	K12 Student	Last Name	Proposed	2023	Census	MDM
000115	K12 Student	First Name	Proposed	2023	Census	MDM
000184	K12 Student	Middle Name	Proposed	2023	Census	MDM
000121	K12 Student	Generational Code or Suffix	Proposed	2023	Census	MDM
000206	K12 Student	Preferred Name (OPTIONAL)	Proposed	2023	Census	MDM
000033	K12 Student	Date of Birth	Proposed	2023	Census	MDM
000100	K12 Student	Grade	Proposed	2023	Census	ODS
000255	K12 Student	Gender	Proposed	2023	Census	ODS
000144	K12 Student	Hispanic/Latino Ethnicity	Proposed	2023	Census	ODS
000016	K12 Student	American Indian / Alaskan Native	Proposed	2023	Census	ODS
000020	K12 Student	Asian	Proposed	2023	Census	ODS
000034	K12 Student	Black or African American	Proposed	2023	Census	ODS

CEDS Global ID	Sector	Element Name	Approval Status	Availability	Source	Database
000192	K12 Student	Native Hawaiian or Other Pacific Islander	Proposed	2023	Census	ODS
000301	K12 Student	White	Proposed	2023	Census	ODS
000149	K12 Student	Homelessness Status	Proposed	2023	Census	ODS
000281	K12 Student	Title I Indicator	Proposed	2023	Census	ODS
000092	K12 Student	Free / Reduced Price Meal Eligibility	Proposed	2023	Census	ODS
000189	K12 Student	Migrant Status	Proposed	2023	Census	ODS
NA	K12 Student	Foreign Exchange Student Indicator	Proposed	2023	Census	ODS
000151	K12 Student	Special Education Indicator	Proposed	2023	Census	ODS
000263	K12 Student	Special Education End Date	Proposed	2023	Census	ODS
NA	K12 Student	Special Education Certificate Status	Proposed	2023	Census	ODS
000180	K12 Student	English Learner Status	Proposed	2023	Census	ODS
NA	K12 Student	English Learner Entry into the US Date	Proposed	2023	Census	ODS
001247	K12 Student	English Learner Service Begin Date	Proposed	2023	Census	ODS
000570	K12 Student	English Learner Service End Date	Proposed	2023	Census	ODS
NA	K12 Student	English Learner ELA Assessment Exempt Status	Proposed	2023	Census	ODS
NA	K12 Student	Foster Care Status	Proposed	2023	Census	ODS
001576	K12 Student	Military Connected Indicator	Proposed	2023	Census	ODS
000122	K12 Student	Gifted / Talented Indicator	Proposed	2023	Census	ODS
000086	K12 Student	Direct Certification	Proposed	2023	Census	ODS
NA	K12 Student	15-Digit Geolocation ID	Proposed	2023	Census	ODS
NA	K12 Student	Maryland Neighborhood Tier (MNT)	Proposed	2023	Census	ODS

Proposed Removals

Census

The Maryland State Department of Education implemented a new state-level data collection of Census tract and block data for Maryland public school students for the 2022-2023 school year. In 2019, the MLDS Governing Board approved two data elements in preparation for this eventual data collection, however the 15-Digit Geographic ID includes both the Census tract (6 digits) and block (4 digits) numbers. Therefore, the following two data elements are proposed for removal.

CEDS Global ID	Sector	Element Name	Approval Status	Availability	Source	Database
NA	K12 Student	Student Census Tract	Proposed	2023	Census	ODS
NA	K12 Student	Student Census Block	Proposed	2023	Census	ODS

Workforce

Workforce domain data is provided to the MLDS from the Department of Labor (Labor) and the Maryland State Department of Education (MSDE).

Proposed Sources - None

There are no additions of 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

Enrollment Information System

The Enrollment Information System (EIS) data collection is a unit record collection provided by each public and state-aided institution in the state for four terms (summer, fall, winter, and spring). The two data elements MHEC added to the EIS and for proposal to the MLDS Data Inventory are below.

CEDS Global ID	Sector	Element Name	Approval Status	Availability	Source	Database
NA	Postsecondary	MAPCS Program Type	Proposed	2022	EIS	ODS
NA	Postsecondary	Advanced Standing	Proposed	2022	EIS	ODS

Maryland Approved Program Completer System

The Maryland Approved Program Completer System (MAPCS) data collection identifies students who complete a Maryland State Approved Professional Education Program. The following data elements are proposed for inclusion in the MLDS Data Inventory:

CEDS Global ID	Sector	Element Name	Approval Status	Availability	Source	Database
NA	Postsecondary	MAPCS Program Type	Proposed	2022	MAPCS	ODS
000626	Postsecondary	MAPCS Program Description	Proposed	2022	MAPCS	ODS

End of Term System

The End of Term System (EOTS) data collection contains Information on academic progress and credits completed during a particular term. The following data element is proposed for inclusion in the MLDS Data Inventory:

CEDS Global ID	Sector	Element Name	Approval Status	Availability	Source	Database
NA	Postsecondary	Citizen	Proposed	2022	EOTS	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 - None

There are no proposed early learning data elements at this time.

Proposed Removals - None

There are no removals of early learning data elements at this time.

Juvenile Delinquency

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

Proposed Sources

Juvenile Delinquency Records

The Department of Juvenile Services captures administrative data on youth who are involved in the juvenile justice system in Maryland. The Maryland Comprehensive Assessment & Service Planning (MCASP) Risk & Needs Assessment is a standardized juvenile justice risk assessment utilized by DJS case managers to inform disposition and supervision/service decisions for adjudicated youth. Two proposed additions for the inclusion in the Data Inventory are listed below.

CEDS Global ID	Sector	Element Name	Approval Status	Availability	Source	Database
NA	Juvenile Delinquency	MCASP Overall Risk Level	Proposed	2008	Juvenile Delinquency Records	ODS
NA	Juvenile Delinquency	MCASP Date	Proposed	2008	Juvenile Delinquency Records	ODS

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

Workforce Innovation and Opportunity Act Title I and Title Data

Part of the Workforce Data Quality Initiative (WDQI) grant awarded in 2021 funds a project to expand the capacity and utility of the MLDS by integrating additional workforce data into the system. The Maryland Department of Labor, Division of Workforce Development and Adult Education received the WDQI grant from the U.S. Department of Labor and the project is a collaboration between Labor, the MLDS Center, and MHEC. The Adult Education data elements proposed for addition are below.

CEDS Global ID	Sector	Element Name	Approval Status	Availability	Source	Database
001071	Adult Education	State ID	Proposed	2016	WIOA Title I and III	MDM
001071	Adult Education	Social Security Number (SSN)	Proposed	2016	WIOA Title I and III	MDM
000115	Adult Education	First Name	Proposed	2016	WIOA Title I and III	MDM
000172	Adult Education	Last Name	Proposed	2016	WIOA Title I and III	MDM
000184	Adult Education	Middle Initial	Proposed	2016	WIOA Title I and III	MDM
000269	Adult Education	Address 1	Proposed	2016	WIOA Title I and III	MDM
000269	Adult Education	Address 2	Proposed	2016	WIOA Title I and III	MDM
000040	Adult Education	City	Proposed	2016	WIOA Title I and III	ODS
000267	Adult Education	State	Proposed	2016	WIOA Title I and III	ODS
000214	Adult Education	Zip Code	Proposed	2016	WIOA Title I and III	MDM
000033	Adult Education	Date of Birth	Proposed	2016	WIOA Title I and III	MDM
000255	Adult Education	Gender	Proposed	2016	WIOA Title I and III	ODS
000577	Adult Education	Individual with a Disability	Proposed	2016	WIOA Title I and III	ODS
000016	Adult Education	American Indian or Alaska Native	Proposed	2016	WIOA Title I and III	ODS
000020	Adult Education	Asian	Proposed	2016	WIOA Title I and III	ODS
000034	Adult Education	Black or African American	Proposed	2016	WIOA Title I and III	ODS
000192	Adult Education	Native Hawaiian or Other Pacific Islander	Proposed	2016	WIOA Title I and III	ODS
000301	Adult Education	White	Proposed	2016	WIOA Title I and III	ODS
NA	Adult Education	Race Not Provided	Proposed	2016	WIOA Title I and III	ODS
000144	Adult Education	Hispanic / Latino Ethnicity	Proposed	2016	WIOA Title I and III	ODS
001578	Adult Education	Veteran Status	Proposed	2016	WIOA Title I and III	ODS

001578	Adult Education	Eligible Veteran Status	Proposed	2016	WIOA Title I and III	ODS
NA	Adult Education	Disabled Veteran	Proposed	2016	WIOA Title I and III	ODS
NA	Adult Education	TAP Workshop Veteran	Proposed	2016	WIOA Title I and III	ODS
NA	Adult Education	Recently Separated Veteran (3 Years)	Proposed	2016	WIOA Title I and III	ODS
NA	Adult Education	Homeless Veteran	Proposed	2016	WIOA Title I and III	ODS
NA	Adult Education	Transitioning Service Member	Proposed	2016	WIOA Title I and III	ODS
000141	Adult Education	Highest School Grade Completed	Proposed	2016	WIOA Title I and III	ODS
NA	Adult Education	Education Status	Proposed	2016	WIOA Title I and III	ODS
000777	Adult Education	Receiving TANF	Proposed	2016	WIOA Title I and III	ODS
NA	Adult Education	Exhausting TANF within 2 Years	Proposed	2016	WIOA Title I and III	ODS
NA	Adult Education	Long Term TANF	Proposed	2016	WIOA Title I and III	ODS
NA	Adult Education	Receiving Food Stamps	Proposed	2016	WIOA Title I and III	ODS
000775	Adult Education	Economically Disadvantaged	Proposed	2016	WIOA Title I and III	ODS
NA	Adult Education	Receiving SSI	Proposed	2016	WIOA Title I and III	ODS
NA	Adult Education	Receiving SSDI	Proposed	2016	WIOA Title I and III	ODS
NA	Adult Education	Receiving General Assistance	Proposed	2016	WIOA Title I and III	ODS
NA	Adult Education	UC Recipient	Proposed	2016	WIOA Title I and III	ODS
NA	Adult Education	WIB Name	Proposed	2016	WIOA Title I and III	ODS
NA	Adult Education	Office Name	Proposed	2016	WIOA Title I and III	ODS
000324	Adult Education	Program Eligibility Date	Proposed	2016	WIOA Title I and III	ODS
000324	Adult Education	Participation Date	Proposed	2016	WIOA Title I and III	ODS
NA	Adult Education	Program Offender	Proposed	2016	WIOA Title I and III	ODS
NA	Adult Education	Program English Language Learner	Proposed	2016	WIOA Title I and III	ODS
000580	Adult Education	Program Single Parents	Proposed	2016	WIOA Title I and III	ODS
NA	Adult Education	Program Incumbent Worker	Proposed	2016	WIOA Title I and III	ODS
NA	Adult Education	App ID	Proposed	2016	WIOA Title I and III	MDM
000107	Adult Education	Program Exit Date	Proposed	2016	WIOA Title I and III	ODS
001939	Adult Education	Program Exit Reason	Proposed	2016	WIOA Title I and III	ODS

000988	Adult Education	Program Employed in 1st Q after Exit	Proposed	2016	WIOA Title I and III	ODS
000988	Adult Education	Program Employed in 2nd Q after Exit	Proposed	2016	WIOA Title I and III	ODS
000988	Adult Education	Program Employed in 3rd Q after Exit	Proposed	2016	WIOA Title I and III	ODS
000988	Adult Education	Program Employed in 4th Q after Exit	Proposed	2016	WIOA Title I and III	ODS
NA	Adult Education	Funding Stream	Proposed	2016	WIOA Title I and III	ODS
NA	Adult Education	Service Description	Proposed	2016	WIOA Title I and III	ODS
NA	Adult Education	Provider Name	Proposed	2016	WIOA Title I and III	ODS
NA	Adult Education	Provider Name 2	Proposed	2016	WIOA Title I and III	ODS
NA	Adult Education	Service Name	Proposed	2016	WIOA Title I and III	ODS
NA	Adult Education	Projected Begin Date	Proposed	2016	WIOA Title I and III	ODS
000324	Adult Education	Actual Begin Date	Proposed	2016	WIOA Title I and III	ODS
NA	Adult Education	Projected End Date	Proposed	2016	WIOA Title I and III	ODS
000107	Adult Education	Actual Last Act Date	Proposed	2016	WIOA Title I and III	ODS
NA	Adult Education	Completion Status	Proposed	2016	WIOA Title I and III	ODS
NA	Adult Education	Foster Care Youth Status	Proposed	2016	WIOA Title I and III	ODS
NA	Adult Education	Homeless	Proposed	2016	WIOA Title I and III	ODS
NA	Adult Education	Date Received English as Second Language Services	Proposed	2016	WIOA Title I and III	ODS
NA	Adult Education	Type of Training Service	Proposed	2016	WIOA Title I and III	ODS

Proposed Removals - None

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

Child Welfare

Child Welfare domain data is provided to the MLDS from the Maryland Social Services Administration within the Department of Human Services.

Proposed Sources - None

There are no proposed child welfare data elements at this time.

Proposed Removals - None

There are no removals of child welfare data elements at this time.

Credentials

Data in the Credentials domain contains data from:

- Microsoft/Certiport

The data contain information on a resource that defines a competency or qualification, achievement, personal or organizational quality, experience, attribute, or aspect of an identity typically used to indicate suitability.

Proposed Sources - None

There are no proposed credentials data elements at this time.

Proposed Removals - None

There are no removals of credentials 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 MLDSC 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:

- 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

Long-term follow-up of a PBIS RCT

Researchers from the University of Maryland School of Social Work have proposed to add temporary external data to the MLDS to evaluate the long-term impacts of a multi-tiered system of support framework called Positive Behavioral Interventions and Supports (PBIS). This data will be brought into the system, matched, and removed from the system when they have completed their research. The data consist of student-level, staff-level, and school- level elements. The external data elements proposed for temporary addition are below.

CEDS Global ID	Sector	Element Name	Approval Status	Availability	Source	Database
000172	K12 Student	Last Name	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	ODS
000115	K12 Student	First Name	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	ODS
000184	K12 Student	Middle Name	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	ODS
000033	K12 Student	Date of Birth	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	MDM
001071	K12 Student	SASID	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	MDM
001069	K12 Student	School Number/Name	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	ODS
000100	K12 Student	Grade Level	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	ODS
000243	K12 Student	Year	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	ODS
NA	K12 Student	Cohort	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	ODS
NA	K12 Student	Treatment Indicator	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	ODS
NA	K12 Student	Free / Reduced Price Meals	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	ODS
000255	K12 Student	Gender	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	ODS
NA	K12 Student	Race	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	ODS
NA	K12 Student	Ethnicity	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	ODS
NA	K12 Student	Teacher Observation of Classroom Adaptation - Student Behavior	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	ODS
NA	K12 Student	Teacher Observation of Classroom	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	ODS

CEDS Global ID	Sector	Element Name	Approval Status	Availability	Source	Database
		Adaptation - Student Academics				
NA	K12 Student	Teacher Observation of Classroom Adaptation - Student Referrals	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	ODS
NA	K12 Student	Suspensions (in school)	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	ODS
NA	K12 Student	Suspensions (out of school)	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	ODS
NA	K12 Student	Special Education Need	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	ODS
NA	K12 Student	Targeted Program Need	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	ODS
NA	K12 Student	Mental Health Services Need	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	ODS
NA	K12 School	Systems Evaluation Tool Tier 1 Score	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	ODS
NA	K12 School	Individual Student Systems Evaluation Tool Scale 1	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	ODS
NA	K12 School	Individual Student Systems Evaluation Tool Scale 2	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	ODS
NA	K12 School	Individual Student Systems Evaluation Tool Scale 3	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	ODS
NA	K12 School	Individual Student Systems Evaluation Tool Scale 4	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	ODS
000172	Workforce	Last Name	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	MDM
000115	Workforce	First Name	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	MDM
000184	Workforce	Middle Name	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	MDM
001070	Workforce	Staff ID	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	MDM
001069	Workforce	School Teacher Worked in	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	ODS
NA	Workforce	Year Teacher Worked at School	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	ODS
NA	Workforce	Teacher Efficacy	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	ODS

CEDS Global ID	Sector	Element Name	Approval Status	Availability	Source	Database
NA	Workforce	Teacher Preparedness	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	ODS
NA	Workforce	Burnout	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	ODS
NA	Workforce	Perceptions of School Environment	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	ODS
NA	Workforce	Perceptions of School Parent / Student Involvement in the School	Proposed – Temporary until 03/10/2024	2008-2011	JHU PBIS	ODS

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	John Bruns	2.4

Date	Description/Reason for change	Authors/Contributors	Version
	active and Approved elements; denoted elements not mapped to CEDS 4.0		
11/25/2013	Defined Approved elements as those approved by agencies for submission; removed Approved elements not approved	John Bruns	2.5
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 Tiderman (MLDS Center)	4.0
12/18/2014	Proposed Data Elements Approved by the Governing Board 12/16/2014	Laia Tiderman (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 Tiderman (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 Tiderman	4.5
12/15/2015	Final with approval from Governing Board	Laia Tiderman	4.5
10/13/2015	Revisions for Data GAB 10/19/2016	Laia Tiderman	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 Tiderman	5.0
11/21/2016	Changes to proposed workforce sources and elements	Laia Tiderman	5.1
12/2/2016	Updates to *Overview*, inclusion of *Process*, *Student Data* and *Workforce Data*	Laia Tiderman	5.2

Date	Description/Reason for change	Authors/Contributors	Version
	definitions, updates to *Understanding* the Fields in the Data Inventory		
5/16/2017	Proposed and Removed data elements for 2017 June Governing Board Meeting	Laia Tiderman	6.0
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
03/11/2022	Added Child Welfare and Credentials as domains/sectors. Proposed data elements for the 2022 March Governing Board Meeting. Changed CEDS 7.1 to 10	Molly Abend	12.0

Date	Description/Reason for change	Authors/Contributors	Version
03/10/2023	Proposed data elements for the 2023 March Governing Board Meeting.	Molly Abend	13.0