
Lagging and Leading Indicator Master Summary Document

for

Statewide Tools for Teaching Excellence (STTE)



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LAGGING Graduation (Lag01)
Definitions & Calculations

Indicator Definition

Percent of students from a "specific ninth grade cohort" that either graduate within four years, graduate within five years, complete graduation requirements, or drop out of high school. Dropout will be calculated annually for students in grades: 7 thru 12.

Metric Definitions

Metric	Definition	
Graduation Rate	4 years	Percent of a ninth grade cohort that graduated in four years.
	5 years	Percent of a ninth grade cohort that graduated in five years.
Completion Rate I	Percent of a ninth grade cohort that graduated or continued high school.	
Annual Dropout Rate National Center for Education Statistics (NCES)	7-8 Middle School	A student who was enrolled in [a given school year] a Texas public school in grades 7 – 8, but did not return to a Texas public school the following fall within the school-start window and was not expelled, did not graduate, receive a GED, continue high school outside the Texas public school system, or begin college, or die.
	7-12 Secondary	A student who was enrolled in [a given school year] a Texas public school in grades 7 – 12, but did not return to a Texas public school the following fall within the school-start window and was not expelled, did not graduate, receive a GED, continue high school outside the Texas public school system, or begin college, or die.
	9-12 Secondary	A student who was enrolled in [a given school year] a Texas public school in grades 9 – 12, but did not return to a Texas public school the following fall within the school-start window and was not expelled, did not graduate, receive a GED, continue high school outside the Texas public school system, or begin college, or die.

Metric Calculations

Metric	Calculation	
Graduation Rate/4 Years	Number of students from the cohort who received a high school diploma in 4 years divided by number of students in the cohort.	
Graduation Rate/5 Years	Number of students from the cohort who received a high school diploma in 5 years divided by number of students in the cohort.	
Completion Rate I	Graduates plus continuers divided by graduates + continuers + GED recipients + dropouts.	
Annual Dropout Rate (NCES)	7-8 Middle School	Number of grade 7-8 students designated as official dropouts divided by number of grade 7-8 students in attendance at any time during the school year.
	7-12 Secondary	Number of grade 7-12 students designated as official dropouts divided by number of grade 7-12 students in attendance at any time during the school year.
	9-12 High School	Number of grade 9-12 students designated as official dropouts divided by number of grade 9-12 students in attendance at any time during the school year.

Business Rules

1. A student is assigned to a "specific Graduation "Cohort" based on their first 9th grade enrollment date.

Periodicity (frequency for uploading data)

1. none

**LAGGING Annual Student Attendance (Lag02)
Definition & Calculation**

Indicator Definition

In grades 1-12, percent of days that students were present within a school year.

Metric Definition

Metric	Definition
Annual Attendance	In grades 1-12, percent of days that students were present within a school year.

Metric Calculation

Metric	Calculation
Annual Attendance Rate	Total number of days students were present divided by total number of days students were in membership.

Business Rules

1. In preparation for each upcoming school year, districts need to access their System profile to define the school year calendar which this is then used in the above calculation.

Periodicity (frequency for uploading data)

1. none

**LAGGING Mobility (Lag03)
Definitions & Calculations**

Indicator Definition

Percent of students who enrolled but were not in membership in a school in the district for at least 83% of the school year (i.e., has missed six or more weeks at a particular school).

Metric Definitions

Metric	Definition
Student Mobility-District	Percent of students who enrolled but were not in membership in a school in the district for at least 83% of the school year. This rate is calculated at the campus district level.
Student Mobility-Campus	Percent of students who enrolled but were not in membership in the school for at least 83% of the school year. This rate is calculated at the campus level.

Metric Calculations

Metric	Calculation
Student Mobility Rate-District	Number of mobile students divided by the number of students who were in membership (within the district) at any time during the school year.
Student Mobility Rate-Campus	Number of mobile students divided by the number of students who were in membership (within the same school) at any time during the school year.

Business Rules

1. none

Periodicity (frequency for uploading data)

1. none

**LAGGING Mastery of State Standards TAKS Proficiency (Lag04)
Definition & Calculation**

Indicator Definition

Student achievement at specific performance levels on the state standardized assessment by subject.

Metric Definitions

Metric	Definition	
TAKS Met Standard	Percent of students passing TAKS or TAKS-Accommodated standards by Grade for each subject area, as illustrated below.	
	Grade 3 Reading (first administration only) Math	
	Grade 4 Reading Math Writing	
	Grade 5 Reading (first administration only) Math (first administration only) Science	
	Grade 6 Reading Math	
	Grade 7 Reading Math Writing	
	Grade 8 Reading (first administration only) Math (first administration only) Science Social Studies	
	Grade 9 Reading Math	
	Grade 10 English Language Arts (ELA) Math Science Social Studies	
	Grade 11 English Language Arts (ELA) (Exit Level) Math (Exit Level) Science (Exit Level) Social Studies (Exit Level)	
	TAKS Commended	Percent of students achieving the commended level of performance on TAKS or TAKS-Accommodated by grade for each subject area.
	TAKS Did Not Meet Standards	Percent of students not passing TAKS or TAKS-Accommodated standards by grade level for each subject area.

Metric Calculations

Metric	Calculation
TAKS Met Standard	Number of students who Met Standards on TAKS or TAKS-Accommodated at each grade level for each subject area/number of students tested at each grade level for each subject area.
TAKS Commended	Number of students who achieved Commended at each grade level for each subject area/number of students tested at each grade level for each subject.
TAKS Did Not Meet Standards	Number of students who did not meet TAKS or TAKS-Accommodated standards by grade level for each subject area / number of students tested at each grade level for each subject.

Business Rules

1. none

Periodicity (frequency for uploading data)

1. none

**LAGGING Advanced Courses (Lag05)
Definition & Calculation**

Indicator Definition

Students who enroll, are tested and complete, and/or receive credit for at least one advanced course (AP, IB, and Dual Enrollment/Dual Credit) in grades 9 – 12 at any time during the last year.

Metric Definitions

Metric	Definition	
Advanced Course/ Dual Enrollment Completion	The percent of students who complete and receive credit for at least one advanced course in grades 9-12. Advanced courses include dual enrollment courses, which are courses for which a student receives both high school and college credit. Course completion is reported at the end of the year through PEIMS. Include special education students.	
AP/IB Results	This metric includes three measures which should be reported together. It refers to results of College Board Advanced Placement examinations and International Baccalaureate Organization's International Baccalaureate examinations. Colleges will award credit or advanced placement for scores of 3, 4, or 5 on AP examinations, and for scores of 4, 5, 6, or 7 on IB examinations.	
	Tested	Percent of students in grades 11 and 12 taking at least one AP or IB examination.
	Examinees >= Criterion	Percent of examinees with at least one AP and IB score at or above the criterion score (3 for AP and 4 for IB). Include special education students.
	Scores >= Criterion	Percent of scores at or above the criterion score (3 on AP and 4 on IB). Include special education students.

Metric Calculations

Metric	Calculation	
Advanced Course/ Dual Enrollment Completion	Number of students in grades 9-12 who receive credit for at least one advanced or dual enrollment course in 2006-07 / number of students in grades 9-12 who completed at least one course in 2006-07.	
AP/IB Results	Tested	Number of 11th and 12th grade students taking at least one AP or IB examination / number of non-special education 11th and 12th grade students.
	Examinees >= Criterion	Number of 11th and 12th graders with at least one score at or above criterion / number of 11th and 12th graders with at least one AP or IB examination.
	Scores >= Criterion	Number of 11th and 12th grade AP and IB examination scores at or above criterion / number of 11th and 12th grade AP and IB examination scores.

Business Rules

Advanced Course/ Dual Enrollment Completion	1. Only include students in grades 9-12 and that have earned a course credit from an Advanced Course (based on Service ID data element and refer to the crosswalk look-up table). 2. Can also include Special Education students.	
AP/IB Results	Tested	Include: 1. students in grade level 11 and 12 only AND completed at least one AP or IB exam. 2. students where SERVICE ID data element is categorized as a AP, IB or Advanced Course.
	Examinees >= Criterion	Include: 1. Unduplicate students with AP criterion score at or above "3" and IB score at or above "4". 2. Students in grade level 11 and 12 only AND took at least one AP or IB exam. 3. Special Education students. 4. Students where SERVICE ID is identified as a AP, IB or Advanced Course.
	Scores >= Criterion	Include: 1. Unlike above/previous metric, include all AP or IB exam scores. 2. Include SERVICE ID is identified as a AP, IB or Advanced Course.

Periodicity (frequency for uploading data)

- Advanced Course/Dual Enrollment: this data is to be submitted at the end of each semester and only once the student's final grades/credits are posted within the district information system.
- AP/IB Results: this data is to be submitted once the AP/IB examination data results are available to be submitted.

**LAGGING Progress of Prior Year TAKS Failers (Lag06)
Definition & Calculation**

Indicator Definition

Students who passed Reading/ELA or Mathematics portions of TAKS or TAKS-Accommodated in grades 4-11 during the prior year.

Metric Definitions

Metric	Definition
Percent of Failers Passing TAKS	Of students who failed the TAKS in the prior year, this measure shows the percent of students that passed the corresponding assessment in the current year.
Average TGI Growth	For students who failed the TAKS in the prior year, this measure shows their average growth (or change) between the prior year and current year.

Metric Calculations

Metric	Calculation
Percent of Failers Passing TAKS	Number of matched students who failed TAKS in the prior year, but passed in the current year / Number of matched students who failed in the previous year.
Average TGI Growth	Sum of Individual student TGI value* for students who failed in the previous year / total number of students with TGI values who failed in 2007. TGI Value: For each student, the difference between their current year score and their prior year score.

Business Rules

1. For each TAKS subject area, the data element: "TAKS TEST VERSION" will only use code values of:"A" for TAKS (Accommodated) Form and "K" for TAKS (regular).

Periodicity (frequency for uploading data)

1. none

**LAGGING Grade Retention (Lag07)
Definition & Calculation**

Indicator Definition

Students enrolled in the same grade as their grade in the last reported grading period of the prior year.

Metric Definitions

Metric	Definition
Retention Rates By Grade (non-special education, K-8 only)	Percent of students who enrolled in the same grade as their grade in the last reported grading period in the prior year.
Retention Rates By Grade (special education, K-8 only)	Percent of students who enrolled in the same grade as their grade in the last reported grading period in the prior year.

Metric Calculations

Metric	Calculation
Retention Rates By Grade (non-special education, K-8 only)	Total students not advanced to the next grade divided by total students advanced to the next grade + total students not advanced to the next grade. Multiply by 100 and subtract from 100 to get retention rate percent.
Retention Rates By Grade (special education, K-8 only)	Total students not advanced to the next grade divided by total students advanced to the next grade + total students not advanced to the next grade. Multiply by 100 and subtract from 100 to get retention rate percent.

Business Rules

Retention Rates By Grade (non-special education, K-8 only)	<ol style="list-style-type: none"> Do not include student's receiving special education services. Only include students in grade levels K-8.
Retention Rates By Grade (special education, K-8 only)	<ol style="list-style-type: none"> Include only students that are receiving special education services. Only include students in grade levels K-8.

Periodicity (frequency for uploading data)

1. none.

**LAGGING College Readiness (Lag08)
Definition & Calculation**

Indicator Definition

Students deemed prepared for college by district-determined criteria.

Metric Definitions

Metric	Definition
SAT Performance Rate	Percent of students who took test and scored at or above a district-determined criterion.
ACT Performance Rate	Percent of students who took test and scored at or above a district-determined criterion.
TAKS 2200 Performance Rate	Percent of students scoring at or above 2200 on TAKS.
RHSP/DAP Graduates Rate	Percent of graduates who were reported as having satisfied the course requirements for the Texas State Board of Education Recommended High School Program or Distinguished Achievement Program.

Metric Calculations

Metric	Calculation
SAT Performance Rate	Total number of examinees who scored at or above the criterion divided by number of examinees.
ACT Performance Rate	Total number of examinees who scored at or above the criterion divided by number of examinees.
TAKS 2200 Performance Rate	Total number of examinees who scored at or above the criterion divided by number of examinees.
RHSP/DAP Graduates Rate	Number of students reported with graduation codes for RHSP and DAP divided by number of graduates.

Business Rules

SAT Performance Rate	SAT data is an external source that districts will submit the source files.
ACT Performance Rate	ACT data is an external source that districts will submit the source files.
TAKS 2200 Performance Rate	In each TAKS subject area the Scale Score must be 2200 or above.

Periodicity (frequency for uploading data)

1. none

LAGGING Teacher Turnover (Lag09)
Definition & Calculation

Indicator Definition

Prior year's full time equivalent (FTE) teachers who are not employed in the current year.

Metric Definition

Metric	Definition
Turnover Rates for Teachers	Percent of the total FTE count of teachers for the prior year who were not subsequently employed in the district in the following year.

Metric Calculation

Metric	Calculation
Teacher Turnover Rate	Percent of the total FTE count of teachers for the prior year who were not subsequently employed in the district in the fall following year = Total FTE count of teachers from the fall who were subsequently not employed in the district in the fall of the following year / Total teacher FTE count for the fall of the prior year.

Business Rules

1. District Profile only in AEIS.
2. Only include staff that teach students and that require them to have a valid teaching certificate. The data used to determine this information is the "Role ID."
Reporting year (PEIMS) requirements changes:
 - 2008-09 code value "029": "Teacher" is a professional employee who is required to hold a valid teacher certificate or permit in order to perform some type of instruction to students.
 - 2009-10 code value "087": Teacher (combination of former code values "025" and "029") is a professional employee who is required to hold a valid teacher certificate or permit in order to perform some type of instruction to students.
3. This indicator is meant to report the number/percentage of same teachers that do not return to teach at the same school district the following school year.

Periodicity (frequency for uploading data)

1. Staff (Teacher) data submitted during the beginning of each School Year.

LEADING Student Daily Attendance (Lead 01) Definition & Calculation

Indicator Definition

Percent of days students are in attendance or absent during a specified time period.

Metric Definitions

Metric	Definition	
Attendance Rate	Percent of days that students are in attendance during a specified time period (e.g., one week, one grading period, or one semester).	
Absence Rate	Percent of days (Elementary) or class periods (Secondary) that students are not in attendance during a specified time period.	
	Excused Absence Rate	Percent of days (Elementary) or class periods (Secondary) that students are not in attendance (excused) during a specified time period (e.g., one week, one grading period, or one semester).
	Unexcused Absence Rate	Percent days (Elementary) or class periods (Secondary) that students are not in attendance (unexcused) during a specified time period (e.g., one week, one grading period, or one semester).

Metric Calculations

Metric	Calculation
Attendance Rate	Attendance Rate (Elementary) Days of Attendance divided by total days of instruction during a given grading period multiplied by 100.
	Attendance Rate (Secondary) Class Periods of Attendance divided by total class periods during a given grading period multiplied by 100. For example, a student absent in 3rd period for one day during the current reporting period. It is assumed that there is one 3rd period class for every day in the current reporting period. The current grading period is the first 2 weeks of the current reporting period. In this example, the calculation would be 9 periods out of 10 (5 - 3rd periods a week multiplied by 2), or 90%. The formula would be: 9 (class periods of attendance) divided by 10 (total class periods) multiplied by 100.
Absence Rate	Excused Absence Rate - Elementary Days of Absence (excused) divided by total days of instruction during a specified time multiplied by 100.
	Excused Absence Rate - Secondary Class Periods of Absence (excused) divided by total class periods during a specified time multiplied by 100. The logic and example described in the Attendance Rate for secondary would be the same, with the addition of the Absence Type element value of "E" for Excused absence. In addition the formula needs to calculate the Absence Rate vs. the Attendance Rate.
	Unexcused Absence Rate - Elementary Days of Absence (unexcused) divided by total days of instruction during a specified time multiplied by 100.
	Unexcused Absence Rate - Secondary Class Periods of Absence (unexcused) divided by total class periods during a specified time multiplied by 100. The logic and example described in the Attendance Rate for secondary would be the same, with the addition of the Absence Type element value of "U" for Unexcused absence. In addition the formula needs to calculate the Absence Rate vs. the Attendance Rate.

Business Rules

1. Only students in grades 1 - 12 get included.
2. Only students "actively" residing in the district get included.
3. It is presumed that all high school courses are provided five days a week.
4. For each Indicator all listed data elements are "required" in order to calculate the specific Indicator, unless noted as "optional".

Periodicity (frequency for uploading data)

1. It is recommended that districts follow local practices and guidelines for maintaining student attendance records.
2. Since this is a Leading Indicator, it is recommended that the frequency for uploading student attendance data be completed bi-weekly.

**LEADING Early Reading Readiness (Lead 02)
Definition & Calculation**

Indicator Definition

Students at specified performance levels on an assessment of early reading readiness.

Metric Definitions

Metric	Definition
Phonemic Awareness	Percent of students who score at instrument-determined performance levels as measured by an assessment of early reading readiness (i.e., TPRI, Tejas Le, and/or DRA).
Phonics/Word Recognition	Percent of students who score at instrument -determined performance levels as measured by an assessment of early reading readiness (i.e., TPRI, Tejas Le, and/or DRA).
Fluency	Percent of students who score at instrument -determined performance levels as measured by an assessment of early reading readiness (i.e., TPRI, Tejas Le, and/or DRA).
Vocabulary	Percent of students who score at instrument -determined performance levels as measured by an assessment of early reading readiness (i.e., TPRI, Tejas Le, and/or DRA).
Comprehension	Percent of students who score at instrument -determined performance levels as measured by an assessment of early reading readiness (i.e., TPRI, Tejas Le, and/or DRA).

Metric Calculations

Metric	Calculation
Phonemic Awareness	Number of students who score at or above instrument-determined performance levels on phonemic awareness tasks of an early reading readiness instrument divided by total number of students assessed on same instrument .
Phonics/Word Recognition	Number of students who score at or above instrument-determined performance levels on phonics/word recognition tasks of an early reading readiness instrument divided by total number of students assessed on same instrument .
Fluency	Number of students who score at or above instrument-determined performance levels on fluency tasks of an early reading readiness instrument divided by total number of students assessed on same instrument .
Vocabulary	Number of students who score at or above instrument-determined performance levels on vocabulary tasks of an early reading readiness instrument divided by total number of students assessed on same instrument .
Comprehension	Number of students who score at or above instrument-determined performance levels on comprehension tasks of an early reading readiness instrument divided by total number of students assessed on same instrument .

Business Rules

1. This Indicator applies to Grades K - 2.

Periodicity (frequency for uploading data)

1. Since this is a Leading Indicator, it is recommended that the frequency for uploading will be specific to the measurement tool.

**LEADING On Track To Promote (Lead 03)
Definition & Calculation**

Indicator Definition

Students in Grades K thru 8 expected to meet requirements for promotion to next grade level based on grades or state standardized assessment results (i.e., TAKS).

Metric Definitions

Metric	Definition
Grade Passing Rate	Percent of students at each grading period with all course grades above a district-specified level (e.g., D average).
Benchmark Passing Rate	Percent of students with scores above a district-specified level on a mid-year benchmark assessment at Grades 3 (Reading and Math), 5 (Reading, Math and Science) and 8 (Reading, Math, Science and Social Studies).

Metric Calculations

Metric	Calculation
Grade Passing Rate	Number of students at each grading period with all course grades at or above a district-specified level divided by total number of students with grades.
Benchmark Passing Rate	Number of students with scores above a district-specified level on a mid-year benchmark assessment at Grades 3 (Reading and Math), 5 (Reading, Math and Science) and 8 (Reading, Math, Science and Social Studies) divided by total number of students taking a mid-year benchmark assessment.

Business Rules

- 1 Formula: On Track to Promote = Passing Grades + Benchmark Scores above district-specified level.
- 2 Metric: Grade Passing Rate applies to all student grades; whereas, Metric: Benchmark Passing Rate applies to only Grade 3 for Reading & Math, Grade 5: Reading, Math and Science and Grade 8: Reading, Math, Science and Social Studies.

Periodicity (frequency for uploading data)

1. Since this is a Leading Indicator, it is recommended that the frequency for uploading student attendance data be completed weekly.

**LEADING On Track To Graduate (Lead 04)
Definition & Calculation**

Indicator Definition

High School students that are currently on-track for meeting the high school graduation requirements for their district of attendance. This indicator is based specifically on earned course credits and passing the required four sections of the exit level Texas Assessment of Knowledge and Skills (TAKS) exam.

Metric Definition

Metric	Definition
On Track to Graduate Rate by Diploma Program	Percent of high school students who are on track for earning the expected number of credits in each subject area by Diploma Program during a specified time period.

Metric Calculation

Metric	Calculation
On Track to Graduate Rate by Diploma Program	Number of students with "required credits" earned to date divided by total number of students with course credits. The number of "required credits" varies depending on the high school program requirements, i.e., Distinguished Achievement Program (DAP) requires 26, Recommended High School Program (RHSP) requires 26, and Minimum Graduation Plan requires 22 specific academic credits.

Diploma Plan

Minimum Graduation Plan	Number of students on Minimum plan with expected credits earned divided by total number of students on Minimum plan by grade level.
Recommended HS Program	Number of students on Recommended plan with expected credits earned divided by total number of students on Recommended plan by grade level.
Distinguished Achievement Program	Distinguished Achievement HS Program=Number of students on Distinguished plan with expected credits earned divided by total number of students on Distinguished plan by grade level.

Business Rules

1. Students in grades 9 & 10 are not required to pass TAKS Exit Level, in order to be determined as "off-track to graduate"
2. To be on-track students in grades 11 & 12 must have earned the expected number of credits and have passed TAKS
3. Only submit high school students that are actively enrolled in the reporting district.

Periodicity (frequency for uploading data)

1. Since this is a Leading Indicator, it is recommended that the frequency for uploading this student data occur when course grades get posted to the student information grading systems and when interim assessment data aligned to TAKS becomes available

**LEADING Progress to Mastery of Content (Lead 05)
Definition & Calculation**

Indicator Definition

Student progress to mastery of subject area content as demonstrated by grades at specified time periods.

Metric Definitions

Metric	Definition
Progress Rate Across All Subject Areas	Percent of students at each subject/course grade performance (i.e. A, B, C, D, F) by subject area and grading periods for all grade levels (1 thru 12 grades).

Metric Calculation

Metric	Calculation
Progress Rate Across All Subject Areas	Number of students at each subject/course grade performance (i.e. A, B, C, D, F) divided by number of students with grade levels (1 thru 12 grades).

Business Rules

1. Only students in grades 1 - 12 get included.
2. Only students "actively" residing in the district get included.
3. Course "Subject Area" data will come from each district's Master Course Catalog through the "Service ID" (PEIMS course number) data elements.
4. The "Current Course Grade" data element is reported as a student's current percentage. To calculate this metric, the reported percentage is summarized into the following standard performance grade table:
 A is 90 thru 100%
 B is 80 thru 89%
 C is 75 thru 79%
 D is 70 thru 74%
 F is any percentage equal to or less than 69%
5. For each Indicator all listed data elements are "required" in order to calculate the specific Indicator, unless noted as "optional".

Periodicity (frequency for uploading data)

1. It is recommended that the frequency for uploading this data be completed once the course data has been updated within each local student information system at end of the most recent reporting period.
2. Courses that are semester-based are to be included.

**LEADING Discipline Referrals (Lead 06)
Definition & Calculation**

Indicator Definition

Counts and percents of students placed in alternative education program.

Metric Definitions

Metric	Definition
Students with Disciplinary Placement	Counts and percents of students placed in alternative education program.
JJAEP	Percent of discipline referrals coded as JJAEP.
DAEP	Percent of discipline referrals coded as DAEP.
Expulsion w/o Placement	Percent of discipline referrals coded as Expulsion w/o Placement.
OSS	Percent of discipline referrals coded as OSS.
ISS	Percent of discipline referrals coded as ISS.
Truancy	Percent of discipline referrals coded as Truancy.
Mandatory Action Not Taken	Percent of discipline referrals coded as Mandatory Action Not Taken.

Metric Calculations

Metric	Calculation
Students with Disciplinary Placement	Number of student with one or more disciplinary placements divided by the number of students who were in membership at any time during the reporting period.
JJAEP	Total number of discipline referrals coded as JJAEP divided by total enrollment.
DAEP	Total number of discipline referrals coded as DAEP divided by total enrollment.
Expulsion w/o Placement	Total number of discipline referrals coded as Expulsion w/o Placement divided by total enrollment .
OSS	Total number of discipline referrals coded as OSS divided by total enrollment.
ISS	Total number of discipline referrals coded as ISS divided by total enrollment.
Truancy	Total number of discipline referrals coded as Truancy divided by total enrollment.
Mandatory Action Not Taken	Total number of discipline referrals coded as Mandatory Action Not Taken divided by total enrollment.

Business Rules

1. Disciplinary placement counts are obtained from both PEIMS and local discipline student data.
2. Districts report the disciplinary actions taken toward students who are removed from the classroom for at least one day.
3. Although students can have multiple removals throughout a school year, this Indicator counts each student only once and then includes only those removal codes when a student is placed in a disciplinary alternative education program.
4. For each Indicator all listed data elements are "required" in order to calculate the specific Indicator, unless noted as "optional".
5. There are 33 potential Discipline Action Codes. A record with any of these codes will be mapped to one of the above Metrics via the Crosswalk table.
6. For this Indicator ONLY submit students that have a discipline record.

Periodicity (frequency for uploading data)

1. It is recommended that the frequency for uploading student discipline data be submitted weekly or up the district's discretion.

**LEADING Teacher Attendance (Lead 07)
Definition & Calculation**

Indicator Definition

Days that teachers are present or absent during a specified time period (e.g., one week, one grading period, and one semester).

Metric Definitions

Metric	Definition	
Teacher Attendance Rate	Percent of days that teachers are in attendance during a specified time period (e.g., one week, one grading period, and one semester).	
Teacher Absence Rate	Percent of days that teachers are not in attendance during a specified time period (e.g., one week, one grading period, and one semester).	
	Personal Absence Rate	Percent of days that teachers are not in attendance due to personal reasons during a specified time period (e.g., one week, one grading period, and one semester).
	Professional Absence Rate	Percent of days that teachers are not in attendance due to work-related reasons during a specified time period (e.g., one week, one grading period, and one semester).

Metric Calculations

Metric	Calculation	
Teacher Attendance Rate	Days of Attendance divided by total number of instructional days.	
Teacher Absence Rate	Number of instructional days absent divided by total number of instructional days.	
	Personal Absence Rate	Number of instructional days absent (personal leave) divided by total number of instructional days.
	Professional Absence Rate	Number of instructional days absent (professional leave) divided by total number of instructional days.

Business Rules

1. System must recognize whether date of absence falls on an instructional day as indicated by district instructional calendar; absences reported on non-instructional should not be included in the calculation.
2. Each district may have its own set of Teacher Absence reason codes, however the district needs to and the district will use potential Discipline Action Codes. A record with any of these codes will be mapped to one of the above Metrics via the Crosswalk table.

Periodicity (frequency for uploading data)

1. Since this is a Leading Indicator, it is recommended that the frequency for uploading student attendance data be completed weekly.

**LEADING Current Advanced Courses (Lead 08)
Definition & Calculation**

Indicator Definition

Students who enroll in at least one advanced course (Pre-AP, AP, IB, and DE/DC).

Metric Definitions

Metric	Definition
Pre-Advanced Placement (Pre-AP) Enrollment Rate	Percent of students that are enrolled in at least one Pre-AP course.
Advanced Placement (AP) Enrollment Rate	Percent of students that are enrolled in at least one AP course.
International Baccalaureate (IB) Enrollment Rate	Percent of students that are enrolled in IB courses.
Dual Credit (DC) /Dual Enrollment (DE) Enrollment Rate	Percent of students that are enrolled in at least one college course while enrolled in high school.

Metric Calculations

Metric	Calculation
Pre-Advance Placement (Pre-AP) Enrollment Rate	Number of students enrolled in one or more Pre-AP courses during the current grading period divided by number of students. In membership in grades 6 thru 12.
Advanced Placement (AP) Enrollment Rate	Number of students in grades 9 thru 12 who enrolled in one or more AP courses during the current grading period divided by number of students in grades 9-12. In membership in grades 9 thru 12.
International Baccalaureate (IB) Enrollment Rate	Number of students in grades 9 thru 12 who enrolled in one or more IB courses during the current grading period divided by number of students in grades 9-12. In membership in grades 9 thru 12.
Dual Credit (DC) / Dual Enrollment (DE) Enrollment Rate	Number of students in grades 9 thru 12 who enrolled in one or more DC/DE courses during the current grading period divided by number of students in grades 9-12. In membership in grades 9 thru 12.

Business Rules

- Metric: Pre-AP Enrollment Rate will only include students in Grades 6 thru 12; where as, the remaining three Metrics: AP, IB & DC/DE Enrollment Rate include students in Grades 9 thru 12.
- To determine whether a student is currently attending either a Pre-AP, AP, IB or DC/DE course, refer to the Service ID data element and the District's Master Course Catalog.

Periodicity (frequency for uploading data)

- Since this is a Leading Indicator, it is recommended that the frequency for uploading this indicator data by grading period.

**LEADING Algebra (Lead 09)
Definition & Calculation**

Indicator Definition

Students demonstrating mastery of Algebra content based on grades and interim assessments.

Metric Definitions

Metric		Definition
Algebra Progress to Mastery of Content	Pre-Algebra Progress to Mastery of Content	Percent of Pre-Algebra students at each grading level (i.e. A, B, C, D, F) by grading period.
	Algebra I Progress to Mastery of Content	Percent of Algebra I students at each grading level (i.e. A, B, C, D, F) by grading period.
Algebra Interim Mastery of State Standards	Pre-Algebra Interim Mastery of State Standards	Percent of students with scores above a district specified criterion on a interim assessment of Pre-Algebra content aligned with state standards out of students enrolled in Pre-Algebra.
	Algebra I Interim Mastery of State Standards	Percent of students with scores above a district specified criterion on a interim assessment of Algebra I content aligned with state standards out of students enrolled in Algebra I.

Metric Calculations

Metric		Calculation
Algebra Progress to Mastery of Content	Pre-Algebra Progress to Mastery of Content	Number of Pre-Algebra students at each grading level (i.e. A, B, C, D, F) divided by number of Pre-Algebra students with grades.
	Algebra I Progress to Mastery of Content	Number of Algebra I students at each grading level (i.e. A, B, C, D, F) divided by number of Algebra students with grades.
Algebra Interim Mastery of State Standards	Pre-Algebra Interim Mastery of State Standards	Number of students with scores above a district specified criterion on a interim assessment of Pre-Algebra content aligned with state standards divided by number of students enrolled in Pre-Algebra.
	Algebra I Interim Mastery of State Standards	Number of students with scores above a district specified criterion on a interim assessment of Algebra I content aligned with state standards divided by number of students enrolled in Algebra I.

Business Rules

1. none

Periodicity (frequency for uploading data)

1. Since this is a Leading Indicator, it is recommended that the frequency for uploading student attendance data be completed per grading period.

**LEADING Course Failers (Lead 10)
Definition & Calculation**

Indicator Definition

Students (9-12) with failing grades in one or more courses for each grading period or semester.

Metric Definitions

Metric	Definition
Course Failers Rate	Percent of high school students (grades 9-12) with failing grades in one or more courses for each grading period.

Metric Calculation

Metric	Calculation
Course Failer Rate	Total number of high school students (grades 9-12) with at least one failing grade divided by total number of secondary students with grades.

Business Rules

1. This Indicator applies to only 9 thru 12 grade students.
2. A failing grade is 69% or less.
3. The system needs to use the Course information to link to the Master Course Catalog and Master Schedule.
4. The system needs to allow users with the appropriate access to view a student roster report.

Periodicity (frequency for uploading data)

1. Since this is a Leading Indicator, it is recommended that the frequency for uploading this data is weekly.

**LEADING Interim Mastery of State Standard (Lead11)
Definition & Calculation**

Indicator Definition

Students' interim mastery state standards as demonstrated by results on periodic assessments administered by the district that are aligned to state standards.

Metric Definitions

Metric	Definition
Math Interim Mastery Rate	Percent of students scoring at or above a district-specified level on an interim assessment for mathematics by grade level.
Reading/ELA Interim Mastery Rate	Percent of students scoring at or above a district-specified level on an interim assessment for Reading/ELA by grade level.
Writing Interim Mastery Rate	Percent of students scoring at or above a district-specified level on an interim assessment for writing by grade level.
Science Interim Mastery Rate	Percent of students scoring at or above a district-specified level on an interim assessment for science.
Social Studies Interim Mastery Rate	Percent of students scoring at or above a district-specified level on an interim assessment for social studies.

Metric Calculations

Metric	Calculation
Math Interim Mastery Rate	Number of students scoring at or above district-specified level on interim assessment of math for each grade level/number of students with scores on interim assessment of math at each grade level multiplied by 100.
Reading/ELA Interim Mastery Rate	Number of students scoring at or above district-specified level on interim assessment of Reading/ELA for each grade level/number of students with scores on interim assessment at each grade level for Reading/ELA multiplied by 100.
Writing Interim Mastery Rate	Number of students scoring at or above district-specified level on interim assessment of writing for each grade level/number of students with scores on interim assessment of each grade level for writing multiplied by 100.
Science Interim Mastery Rate	Number of student with one or more disciplinary placements divided by the number of students who were in membership at any time during the reporting period.
Social Studies Interim Mastery Rate	Number of students scoring at or above district-specified level on interim assessment of social studies for each grade level/number of students with scores on interim assessment of social studies at each grade level multiplied by 100.

Business Rules

1. Only students in grades 1 - 12 get included.
2. Only students "actively" residing in the district get included.
3. Course "Subject Area" data will come from each district's Master Course Catalog through the "Service ID" (PEIMS course number) data elements.
4. For each Indicator all listed data elements are "required" in order to calculate the specific Indicator, unless noted as "optional".

Periodicity (frequency for uploading data)

1. It is recommended that the frequency for uploading this data be completed once the course data has been updated within each local student information system at end of the most recent reporting period.

**For additional information about the STTE Project, or for further information
about creating education indicators please contact us:**

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