



This document provides a list of early warning indicator topics that are commonly used in early warning systems, cross-walked with student-level indicators and related data elements. The indicators listed in the table below are presented in alphabetical order, not in order of usefulness or power. In some cases, the early warning data would need to be derived or aggregated from the associated data elements.

Many of these elements are not unique to early warning systems, and they may already be in use in existing data systems. While this list includes elements that are used in early warning systems, it does not include a comprehensive list of all possible data elements that could be included in an early warning system. State and local education agencies (SEAs and LEAs) may find this list useful as they build new data systems or expand existing systems to capture data related to early warning indicators.

Indicator Topic	Student Indicators	Related Data Elements
<p><b>Assessment performance</b></p> <p>Achievement or performance on an educational assessment, typically a test</p>	<p>Completion of specific assessment(s), such as a college entrance exam</p> <p>Performance on state assessments and college entrance exams as compared to a specific target</p>	<p>National percentile rank on grade-level assessments</p> <p>Performance on formative assessments or diagnostic tests</p> <p>Performance on school, district, and/or state assessments</p> <p>Performance on domain-specific and/or standards-based assessments</p> <p>Scores on diagnostic assessments</p>
<p><b>Attendance</b></p> <p>Attendance in an instructional program approved by the state, district, and/or school</p>	<p>Attendance rates, including daily attendance and course attendance, as measured against chronic absenteeism thresholds that are aligned with school, district, and/or state thresholds</p>	<p>Absences in the previous 60 days</p> <p>Absences in the previous 90 days</p> <p>Aggregate daily attendance</p> <p>Aggregate daily membership</p> <p>Attendance rate</p> <p>Chronic absenteeism</p> <p>Total days enrolled</p>
<p><b>Behavior</b></p> <p>Negative or inappropriate behavior that results in a disciplinary action</p>	<p>The number and frequency of discipline incidents</p>	<p>Discipline incident type</p> <p>Number of behavior events in the previous 120 days</p> <p>Number of discipline incidents</p> <p>Number of discipline referrals</p> <p>Number of suspensions (in-school and out-of-school)</p> <p>Number of in-school suspensions</p> <p>Number of out-of-school suspensions</p> <p>Removal type</p> <p>Total days removed</p>

Indicator Topic	Student Indicators	Related Data Elements
<b>Course performance</b> Academic achievement or performance across all courses or a select set of courses	Grade point average Number of courses with grades = F	Common course code, section, year taken, and teacher of record Course grades Course failures Credits earned per year Grade point average Number of previous term A's Number of previous term F's Participation in accelerated learning programs, such as Advanced Placement (AP), dual enrollment, International Baccalaureate (IB), honors, etc. Participation in basic programs, such as English learners, gifted and talented, special education, etc.
<b>Mobility</b> Geographic movement between states, districts, and/or schools	Geographic movement between states, districts, and/or schools Number of times a student changes schools	Grade of entry Military connectedness Mobility during current school year Mobility from out of state Number of districts attended Number of enrollment spells Number of schools attended Transient status
<b>Progression</b> On-time advancement to the next level or grade in an instructional program	Courses completed toward meeting diploma requirements or courses needed/pending (used to help measure whether the student is on track to graduate) Over-age status (is the student older than the average age for his or her grade?) Percentage of total needed credits earned to date Retention (whether a student has been retained in a grade or not)	Accrued high school credits Age difference from peers Cohort graduation year Ever retained in grade Number of years in high school On-track status to graduation Repeating a grade in K-8 Retained designation

In addition to data related to specific early warning indicators, early warning systems may include the following types of general student data:

- Identification data, including name and student identifier
- School enrollment data, including LEA and school identifiers, as well as entry and exit dates