** EWIS and College Success Outcomes **

**Technical Summary**

The Massachusetts EWIS, or Early Warning Indicator System, is a tool to systematically identify students that may need additional attention in order to reach an upcoming academic milestone. The expanded Postsecondary EWIS, available starting in August 2016, predicts high school students’ likelihood of missing three college success milestones. The Postsecondary EWIS identifies students in grades 10 through 12 as high, medium and low risk of missing these important milestones.

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| --- | --- | --- |
| **Grades** | **College Success Milestone**  Expected student outcome |  |
| **Grades 10-12** | **College Enrollment**  Enrolling in postsecondary education | new |
| **Academic Readiness**  Enrolling in credit-bearing courses without needing developmental education | **new** |
| **College Persistence**  Persisting in the second year of postsecondary education | **new** |

**Risk Levels**

Risk Levels are calculated for each student, using prior year data reported from schools and districts. Data sources include Student Information System (SIMS), School Safety Discipline Report (SSDR), Student Course Schedules (SCS), MCAS, ACCESS, AP, SAT and more.

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| --- | --- |
| **Risk Level** | **Description** |
| **High Risk** | **At risk for not reaching** the upcoming academic milestone.  Approximately **25%** of High Risk students meet the college success milestone. |
| **Moderate Risk** | **Moderately at risk for not reaching** the upcoming academic milestone.  Approximately **60%** of Moderate Risk students meet the college success milestone. |
| **Low Risk** | **Likely to reach** the upcoming academic milestone.  Approximately **90%** of Low Risk students meet the college success milestone. |

**Reports**

One Postsecondary EWIS Report is available in EDWIN in 2016, a Postsecondary Student List (EW602), which requires student-level access to view. The EW602 report includes students’ High School Graduation Risk Levels and College Success Risk Levels. (The K-12 Student List (EW601) report is still available, which includes High School Graduation Risk Levels.) In Fall 2016, 10th graders have Risk Levels for College Enrollment; 11th and 12th graders have Risk Levels for all three College Success Milestones. Any students repeating 12th grade are High Risk for all outcomes.

**These variables are used in the Postsecondary EWIS Model:**

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| --- | --- | --- | --- | --- | --- |
| Variable Name | **10** | **11** | **12** | **Values Shown** | **Notes** |
| Attend rate | X | X | X | *Percent* | Attendance Rate |
| Suspension | X | X | X | *# of suspensions* |  |
| Ever retained | X | X | X | *Yes/No* | See next page |
| School move | X | X | X | *Yes/No* | See next page |
| SPED Level | X | X | X | *None/Low<2 hr/Low>2hr/ Moderate/High* |  |
| Gender | X | X | X | *Male/Female* |  |
| Overage | X | X | X | *Yes/No* | See next page |
| CVTE | X | X | X | *Yes/No* | 74 and non74 |
| Title1 Schoolwide | X | X | X | *Yes/No* |  |
| ACCESS for ELLs | X | X | X | *None/ score ranging from 1 to 6 (e.g.2.8)* |  |
| Ever ELL | X | X | X | *Yes/No* | See next page |
| ELA MCAS HS |  | X |  | *MCAS-Advanced/MCAS-Proficient/MCAS-Needs Improvement/MCAS-Failing* | A dash means no test taken |
| Math MCAS HS |  | X |  | *MCAS-Advanced/MCAS-Proficient/MCAS-Needs Improvement/MCAS-Failing* | A dash means no test taken |
| Sci MCAS HS  (Science) |  | X |  | *MCAS-Advanced/MCAS-Proficient/MCAS-Needs Improvement/MCAS-Failing/* | A dash means no test taken |
| Math Course Perf | X | X | X | *Pass/Fail/No Course Completed/No Performance Data Available* | Pass=Pass all  Fail=fail any |
| Math Passing | X | X | X | *B or higher year or more / C or higher year or more / Pass year or more / Pass less than a year* | Highest level shown |
| Alg II or Higher |  | X | X | *Yes/No* | See next page |
| ELA Course Perf | X | X | X | *Pass/Fail/No Course Completed/No Performance Data Available* | Pass=Pass all  Fail=fail any |
| ELA Passing | X | X | X | *B or higher year or more / C or higher year or more / Pass year or more / Pass less than a year* | Highest level shown |
| Sci Course Perf  (Science) | X | X | X | *Pass/Fail/No Course Completed/No Performance Data Available* | Pass=Pass all  Fail=fail any |
| Sci Passing  (Science) | X | X | X | *B or higher year or more / C or higher year or more / Pass year or more / Pass less than a year* | Highest level shown |
| SS Course Perf  (Social Studies) | X | X | X | *Pass/Fail/No Course Completed/No Performance Data Available* | Pass=Pass all  Fail=fail any |
| SS Passing  (Social Studies) | X | X | X | *B or higher year or more / C or higher year or more / Pass year or more / Pass less than a year* | Highest level shown |
| For Lang Perf  (Foreign Language) | X | X | X | *Pass/Fail/No Course Completed/No Performance Data Available* | Pass=Pass all  Fail=fail any |
| Pass all courses | X | X | X | *Pass all/Fail at least one* | See next page |
| Ontrack MassCore | X | X | X | *Yes/No* | See next page |
| Higher Coursework |  | X | X | *Yes/No* | See next page |
| AP |  |  | X | *Yes/No* | See next page |
| SAT |  |  | X | *Not Taken/Taken-College Ready/Taken-Not College Ready* | See next page |

**Additional Notes**

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| Ever Retained | *Yes* if student has been retained (as determined by fall to fall grade assignment) across years of attending in Massachusetts Public Schools. |
| School Move | *Yes* if student attended more than one school in the prior school year. This captures school move in a single school year. It is not capturing mobility between school years. |
| Overage | *Yes* if student is 2 or more years older than expected age as of Sept 1st ( e.g. an entering 10th grader who was 17 or older ). |
| Ever ELL | *Yes* if student was ever identified as an ELL student across years of attending Massachusetts Public Schools. |
| Alg II course taken | *Yes* if student took a course identified as math course that is Algebra II, the equivalent to Algebra II or higher than Algebra II. |
| Pass All | *Passed all completed courses* if student passed all completed courses (core, non-core, study all, etc*).*  *Fail at least one* if student failed any completed course. |
| Ontrack Masscore | *Yes* if, based course taking across a year, student is on track to meet MassCore, the Massachusetts recommended program of study. This is calculated based on the Full Year Equivalent (FYE) of courses that a student has passed, where Full Year Equivalents include 1 full year, 2 semesters, 3 trimesters, etc.   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | Expected FYE of courses: | ELA | Math | Sci | SS | For Lang | Arts | | End of 9th/Rising 10th grader  (1 year of course data) | 1 | 1 |  |  |  |  | | End of 10th/Rising 11th grader  (2 years of course data) | 2 | 2 | 1 | 1 |  |  | | End of 11th/Rising 12th grader  (3 years of course data) | 3 | 3 | 2 | 2 | 1 |  |   If a student has less than the expected number of years of SCS data available (e.g. a rising 11th grader with only one year of data from their 10th grade year), the student must meet thresholds based on the year of available data. |
| Higher Coursework | *Yes* if student is identified as taking an Advanced Placement, IB or dual enrollment course in Student Course Schedule (SCS) data.  AP and IB courses are identified based on the course description tied to the 5 digit subject area-course code provided. Dual enrollment courses are those considered taken at a postsecondary institution by the school/program ID for the location where the course is being taught. |
| AP | *Yes* if student took AP test |
| SAT | *Not Taken* if student did not take SAT test by end of 11th grade.  *Taken – College Ready* if student SAT scores meets the college and career ready benchmark (480 in ERW and 530 in Math).  *Taken – Not College Ready* if student SAT scores do not meet the college and career ready benchmark. |
| Additional student data fields – for example, Student Age – appear in the Report for reference, although they are not variables in the EWIS model. [Age is reported in decimals, based on the date report is run.] | |