

Guide to Calculations

for the

Florida School Indicators Report

2006-07



Florida Department of Education
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www.fldoe.org

Education Accountability Reports Services

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Introduction

This document is intended to serve as a reference guide for MIS staff and others involved in preparing, reporting, and reviewing data used on the Florida School Indicators Report. Each indicator is featured with one or two pages of information providing

- a basic definition of the indicator as it appears on the report,
- the form in which it is reported (e.g., as a percentage or number),
- the school types for which it is reported (e.g., elementary, middle, high, ESE),
- whether or not the district and state data for the indicator is calculated separately for each type of school,
- the immediate source of data for the indicator as it is incorporated in the report,
- the DOE Automated Information Database record formats and data elements used in calculating the indicator/data (where applicable), and
- the basic operation(s) used in calculating the indicator.

Certain indicators such as SAT and ACT scores are not actually “calculated” but are reported directly from outside sources. In such cases, no reporting formats or data elements are listed for the indicator.

Where applicable, several years of data are presented for indicators featured on the report. For new indicators and for indicators where the method of calculation has been revised, fewer years of data may be available.

Resources for more information on indicators featured in the Florida School Indicators Report are available in sections of the report titled “Sources of Data” and “Contacts and Resources,” which have links on the online report’s home page. The Internet address for the Florida School Indicators Report is <http://data.fldoe.org/fsir>.

INDICATOR: **ACT**

EXPLANATION: The number of students tested, the percentage of 12th graders tested, and the composite score for students tested on the ACT, an aptitude test widely used for college placement and admission purposes.

REPORTED AS: Number tested, percentage of 12th graders tested (rounded to one decimal place), and composite score.

SCHOOL TYPE(S): High.

CALCULATED BY SCHOOL TYPE? No.

SOURCE: DOE, Office of Evaluation and Reporting.

FORMATS/DATA ELEMENTS USED: *Not applicable.*

INDICATOR: **Dropout Rate**

EXPLANATION: The percentage of students in grades 9-12 (from the year's total enrollment) who have withdrawn from school and have been assigned a dropout withdrawal reason code.

REPORTED AS: Percentage (rounded to one decimal place).

SCHOOL TYPE: (District and state rates include all students in grades 9-12, including students who may be attending schools other than regular high schools, such as alternative-education schools or exceptional-education centers.)

CALCULATED BY SCHOOL TYPE? No.

SOURCE: DOE Student Information Data Base.

FORMATS/DATA ELEMENTS USED:

Numerator:

Student Demographic / District Number, Current Enrollment
Information (Survey 5) School Number, Current Enrollment
Student Number Identifier, Florida
Sex
Racial/Ethnic Category

Student End of Year Status/
(Survey 5) School Number, Current Enrollment
District Number, Current Enrollment
Student Number Identifier, Florida
Withdrawal Reason (DNE, W05, W13-W23)
Grade Level (9-12)

Denominator: Gr. 9-12 All-Year Enrollment + DNEs.

An unduplicated count of all students in the Prior School Status/Student Attendance table where the YEAR is 0506 and SURVEY is 5 and **either**

- 1) the TERM is 3 and WITHDRAWAL_CODE is not DNE **or**
 - 2) the TERM is any value and WITHDRAWAL_CODE is DNE
- and there must be a matching Student End of Year Status record (district, school, year, survey, student_id) with GRADE = **09-12**

Records coded to school numbers 3518, 3818, 9998, and 9999 are to be excluded.

CALCULATION:

The unduplicated count of students for whom a dropout withdrawal reason was reported (on Student End of Year Status) ÷ (the total enrollment** of students + DNEs***).

** Total enrollment = the count of all students who attended school at any time during the school year.

*** For the dropout rate calculation, the total enrollment figure (denominator) includes students coded as DNEs (i.e., students who were expected to enroll but did not). Inclusion of DNEs in the total enrollment is not used in calculations for indicators other than the dropout rate.

INDICATOR: **Florida Comprehensive Assessment Test (FCAT):
Grades 3-10 (Sunshine State Standards)**

EXPLANATION: The percentage of students from all curriculum groups placing at each achievement level (on a range from Level 1--lowest--to Level 5--highest)* in the mathematics, reading and science** subtests of the FCAT for each grade.

*Specific score ranges for levels vary by grade and subject area.

**Grades 5, 8, and 11 only

REPORTED AS: Percentage.

SCHOOL TYPE: Elementary, Middle, High.

(District and state results cover all examinees for applicable grade levels, including examinees who may be enrolled in schools other than regular elementary, middle, and high schools.)

CALCULATED BY SCHOOL TYPE? No. (Calculated by grade level.)

SOURCE: DOE Student Assessment Services (compiler of results)
<http://fcat.fldoe.org/mediapacket/2007/>

FORMATS/DATA ELEMENTS USED: *not applicable*

CALCULATION:

The number of students scoring at the indicated achievement level ÷ the number of students tested.

INDICATOR: **FCAT Writing Assessment—Grades 4, 8, and 10**

EXPLANATION: The percentage of students from all curriculum groups scoring 3 or higher on the FCAT writing examination at each grade level.

REPORTED AS: Percentage (whole number percent, no decimal).

SCHOOL TYPE: Elementary, Middle, High.

CALCULATED BY SCHOOL TYPE? No. (Calculated by grade level.)

(District and state results cover all examinees for applicable grade levels, including examinees who may be enrolled in schools other than regular elementary, middle, and high schools.)

SOURCE: Florida Writing Assessment State Student Results File.
<http://fcat.fldoe.org/mediapacket/2007/>

(Prepared by DOE Student Assessment Services.)

CALCULATION:

The number of students scoring 3 or higher on the test ÷ the number of students tested.

INDICATOR: **FCAT Norm-Referenced Test Results—Grades 3-10**

EXPLANATION: The number of students tested and the median national percentile ranking of students tested for each grade level, 3 through 10.

REPORTED AS: Median national percentile rank.

SCHOOL TYPE: Elementary, Middle, High.

CALCULATED BY SCHOOL TYPE? No. (Calculated by grade level.)

(District and state results cover all examinees for applicable grade levels, including examinees who may be enrolled in schools other than regular elementary, middle, and high schools).

SOURCE: (Data prepared by DOE Student Assessment Services.)
<http://fcat.fldoe.org/mediapacket/2007/>

CALCULATION:

Median national percentile rankings are supplied by Student Assessment Services. No additional calculations are required.

INDICATOR: **Follow-up of Graduates**

EXPLANATION: The percentage of followed-up (found) graduates from the previous year who were found to be employed (whether full-time or part-time), the percentage of found employed graduates working part-time, the percentage of found graduates continuing education, and the percentage of found continuing-education graduates who were also employed.

REPORTED AS: Percentage(s) (rounded to one decimal place).

SCHOOL TYPE: High.

CALCULATED BY SCHOOL TYPE? No**.

*** District and state figures cover all schools with followed-up graduates, which may include students from schools other than regular high schools, such as alternative schools.*

SOURCE: Florida Education and Training Placement Information Program (FETPIP).

FORMATS/DATA ELEMENTS USED: *not applicable*

CALCULATIONS: (Headings featured on the report are presented in boldface type.)

All Employment/ Full and Part Time (%):

The number of graduates from 2005-06 who were found through follow-up activities and were reported employed either full time or part time in 2006-07 ÷ the number of graduates from 2005-06 who were found through follow-up activities. *(The percentage of followed-up graduates who were employed.)*

Of Employed, Part Time (%):

The number of followed-up/found graduates from 2005-06 who were reported employed part time in 2006-07 ÷ the number of followed-up/found graduates from 2005-06 who were reported employed either full time or part time in 2006-07. *(The percentage of followed-up employed graduates who were part-time workers.)*

Continuing Education (%):

The number of followed-up/found graduates from 2005-06 who were reported to be continuing their education in 2006-07 ÷ the number of followed-up/found graduates from 2005-06. *(The percentage of followed-up graduates who were continuing their education.)*

Continuing Education and Employment (%):

The number of followed-up/found graduates from 2005-06 who were reported to be continuing their education and also employed (either full time or part time) in 2006-07 ÷ the number of followed-up/found graduates from 2005-06 who were reported to be continuing their education in 2006-07. *(The percentage of followed-up continuing-education graduates who were also employed.)*

INDICATOR: **Free or Reduced-Price Lunch**

EXPLANATION: The percentage of students eligible for free or reduced-price lunch.

REPORTED AS: Percentage (rounded to one decimal place).

SCHOOL TYPE: Elementary, Middle.

CALCULATED BY SCHOOL TYPE? Yes.

SOURCE: DOE Student Information Data Base.

FORMATS/DATA ELEMENTS USED:

Student Demographic Information (Survey 2)	/ District Number, Current Enrollment School Number, Current Enrollment Sex Racial/Ethnic Category Grade Level (PK-12) Lunch Status (codes 2, 3, 4)
Student Course Schedule (Survey 2)	/ (Must have at least 1 matching Student Course Schedule record.)

CALCULATION:

The number of students eligible for free or reduced-price lunch ÷ the October membership of students.

INDICATOR: **Gifted (Students in Programs for the Gifted)**

EXPLANATION: The percentage of students classified with a primary exceptionality as “Gifted.”

REPORTED AS: Percentage (rounded to one decimal place).

SCHOOL TYPE: Elementary, Middle.

CALCULATED BY SCHOOL TYPE? Yes.

SOURCE: DOE Student Information Data Base.

FORMATS/DATA ELEMENTS USED:

Student Demographic Information / District Number, Current Enrollment
(Survey 2) School Number, Current Enrollment
Grade Level (PK-12)

Exceptional Student / Exceptionality, Primary (L)
(Survey 2)

CALCULATION:

The number of students with a primary exceptionality coded as “Gifted” ÷ the October student membership.

INDICATOR: Graduation Rate (2006-07)

EXPLANATION: The number of graduates* (taken from the cohort group of first-time ninth-graders in fall 2003 plus subsequent incoming transfers on the same schedule to graduate)

divided by:

(the number of first-time ninth graders in membership during fall 2003 *plus* incoming transfer students on the same schedule to graduate [i.e., 1st-time 9th graders in 2003-04, 1st-time 10th graders in 2004-05, 1st-time 11th graders in 2005-06, and 1st-time 12th graders in 2006-07] *minus* students from this combined population who transferred out [W03s, W02s as applicable], students who left to enroll in a private school [W04s], a home education program [W24s], or an adult education program [W26s], and deceased students [W12s]).

* *graduates = recipients of standard diplomas, special diplomas, and GED diplomas*

REPORTED AS: Percentage (rounded to one decimal place).

SCHOOL TYPE: High.

CALCULATED BY SCHOOL TYPE? No**.

** *District and state rates cover all schools with graduates, which may include schools other than regular high schools, such as alternative schools.*

SOURCE: DOE Student Information Data Base.

FORMATS/DATA ELEMENTS USED:

Student Demographic Information

District Number, Current Enrollment
School Number, Current Enrollment
Student Number Identifier, Florida
Survey Period Code
Grade Level
Year
Student Number Identifier—Alias, Florida

Student Course Schedule

District Number, Current Enrollment
School Number, Current Enrollment
Student Number Identifier, Florida
Survey Period Code
Fiscal Year
Course Number

FORMATS/DATA ELEMENTS (cont.):

Student Attendance

District Number, Current Enrollment	School Year
School Number, Current Enrollment	Term
Student Number Identifier, Florida	Withdrawal Code, PK-12

Student End of Year Status

District Number, Current Enrollment	Grade Promotion Status
School Number, Current Enrollment	Diploma Type (W06, W07, W10, WGD, WGA, W27, W43, W45, WFW, WFT, W6A, W6B, WFA, WFB, W52)
Student Number Identifier, Florida	
School Year	Withdrawal Reason
	Grade Level

CALCULATION:

The number of students in the adjusted cohort who received standard and special diplomas, high school GED diplomas, and adult GED diplomas ÷ (the number of first-time ninth graders in membership during fall 2003 **plus** incoming transfer students on the same schedule to graduate [i.e., 9th graders in 2003-04, 10th graders in 2004-05, 11th graders in 2005-06, and 12th graders in 2006-07] **minus** students from this combined population who transferred out [W03s and W02s*], students who left to enroll in a private school [W04s], a home education program [W24s], or an adult education program [W26s], and deceased students [W12s]).

Shown as a percentage rounded to one decimal place.

* The W02 code is applicable to calculations for school-level rates but not district- or state-level rates.

INDICATOR: **Incidents of Crime and Violence, Offenses**

EXPLANATION: The total number of reported incidents occurring on school grounds, on school transportation, or at school-sponsored events. Categories of offenses are listed below.

REPORTED AS: Number.

CATEGORY: Type of Incident.

SCHOOL TYPE: Elementary, Middle, High.

CALCULATED BY SCHOOL TYPE? Yes.

SOURCE: DOE Student Information Data Base.

FORMATS/DATA ELEMENTS USED:

School Environmental Safety Incident Report/	District Number, Reporting District School Number, Where Incident Occurred School Year Incident, Identifier Incident, Type
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CALCULATION:

Reported as the number of offenses occurring under each of six main categories:

Violent Acts Against Persons (includes homicide, sexual battery, robbery, battery, and kidnapping)

Alcohol, Tobacco, or Other Drugs (possession/use)

Property Offenses (includes breaking and entering, larceny/theft, motor vehicle theft, arson, and vandalism)

Fighting and Harassment (includes threat and intimidation, and sexual harassment, as well as fighting)

Weapons Possession

Other Nonviolent Incidents and Disorderly Conduct (sex offenses[nonviolent], trespassing, disorderly conduct, and unclassified offenses)

Reported data also includes a total of all offenses.

INDICATOR: **Per-Pupil Expenditures (by Program Area)**

EXPLANATION: The total school operating costs per unweighted FTE student by program area: Regular, Exceptional, At Risk, and Vocational.

REPORTED AS: Whole dollar figure.

SCHOOL TYPE: All types (K-12 only).

CALCULATED BY SCHOOL TYPE? Cost figures shown for the district and state apply to all schools, regardless of school type.

SOURCE: State Cost Analysis Reporting System (SCARS).

 Data provided by DOE Office of Funding and Financial Reporting.

CALCULATION:

For the Regular, Exceptional, At-Risk, and Vocational program areas, the calculation can be summarized as (the sum of the total school operating costs for the program area ÷ the sum of unweighted FTE for the program area) rounded to the nearest whole number (dollar).

The total school operating costs for each program area = salaries + benefits + purchased services + materials and supplies + other direct expenses + capital outlay + school indirect costs.

INDICATOR: **SAT**

EXPLANATION: The number of students tested, the percentage of 12th graders tested, and the mean score for students tested on the SAT, a national aptitude test widely used for college placement and admission purposes.

REPORTED AS: *Number tested, percentage of 12th graders tested (rounded to one decimal place), and mean score.*

SCHOOL TYPE(S): High.

CALCULATED BY SCHOOL TYPE? No.

SOURCE: DOE, Office of Evaluation and Reporting Services.

FORMATS/DATA ELEMENTS USED: *Not applicable.*

INDICATOR: **School Grade**

EXPLANATION: A letter grade, A through F, assigned to each school based on student performance on the Florida Comprehensive Assessment Test (Sunshine State Standards) in reading, math, science, and writing; student attendance; out-of-school suspensions; and the dropout rate.

REPORTED AS: Letter grade.

SCHOOL TYPE(S): All

CALCULATED BY SCHOOL TYPE? NA

SOURCE: DOE, Office of Evaluation and Reporting

FORMATS/DATA ELEMENTS USED: *Not applicable.*

INDICATOR: **School Operating Costs**

EXPLANATION: The total school operating costs per unweighted FTE student.

REPORTED AS: Whole dollar figure.

SCHOOL TYPE: All types (K-12 only).

CALCULATED BY SCHOOL TYPE? Cost figures shown for the district and state apply to all schools, regardless of school type.

SOURCE: State Cost Analysis Reporting System (SCARS).

 Data supplied via DOE Office of Funding and Financial Reporting.

CALCULATION:

The calculation can be summarized as (the sum of the total school operating costs ÷ the sum of unweighted FTE) rounded to the nearest whole number (dollar).

The total school operating costs = salaries + benefits + purchased services + materials and supplies + other direct expenses + capital outlay + school indirect costs.

INDICATOR: **School Staff (Total; Percentage Instructional, Administrative, Support)**

EXPLANATION: The total number of full-time school staff; the percentage of this total comprising instructional staff, administrative staff, and support staff.

REPORTED AS: Number (for total), percentage (for staff categories).

SCHOOL TYPE: Elementary, Middle, High.

CALCULATED BY SCHOOL TYPE? Yes.

SOURCE: DOE Staff Information Data Base.

FORMAT/DATA ELEMENTS USED:

Staff Payroll Information /
(Survey 2)

District Number
School Number, Primary/Home
Employee Type (RF or TF)
Job Code, Primary (EEO lines 21-42 for instructional staff, 9-19 for administrative staff, 44-54 for support staff)

CALCULATION:

The total number of staff reported = the total number of full-time school staff.

The percentage of staff for each category = the number of staff within that category (e.g., instructional staff) ÷ the total number of school staff.

INDICATOR: Student Membership (October Membership)

EXPLANATION: The number of students in school as of the fall (October) membership count.

REPORTED AS: Number.

SCHOOL TYPE: Elementary, Middle, High.

CALCULATED BY SCHOOL TYPE? Yes.

SOURCE: DOE Student Information Data Base.

FORMATS/DATA ELEMENTS USED:

Student Demographic Information (Survey 2) / District Number, Current Enrollment School Number, Current Enrollment Grade Level (PK-12)

Student Course Schedule (Survey 2) / (Must have at least one matching Student Course Schedule Record)

CALCULATION:

For the Florida School Indicators Report, the number of students is the count of students in membership as of the October (Survey 2) count.

INDICATOR: **Students Absent 21+ Days**

EXPLANATION: The percentage of students from the year’s total enrollment who were absent 21 or more days during the 180-day school year—excluding PK children.

REPORTED AS: Percentage (rounded to one decimal place).

SCHOOL TYPE: Elementary, Middle, High.

CALCULATED BY SCHOOL TYPE? Yes.

SOURCE: DOE Student Information Data Base.

FORMAT/DATA ELEMENT USED:

Student End of Year / Grade Level (K-12)
Status (Survey 5)

Student Attendance / School Number, Current Enrollment
(Survey 5) Days Absent, Annual
 Term (3)

CALCULATION:

The number of students who were absent 21 or more days during the 180-day school year ÷ the total (all-year) enrollment of students.

INDICATOR: **Suspensions (In-School, Out-of-School)**

EXPLANATION: The percentage of students from the year’s total enrollment who received in-school suspensions, and the percentage who received out-of-school suspensions.

REPORTED AS: Percentage.

SCHOOL TYPE: Elementary, Middle, High.

CALCULATED BY SCHOOL TYPE? Yes.

SOURCE: DOE Student Information Data Base.

FORMATS/DATA ELEMENTS USED:

Student Discipline/ Referral Action (Survey 5)	/	Disciplinary/Referral Action Code (I for in-school suspensions; O for out-of-school suspensions; followed by the four-digit number of the school where the discipline occurred.)
Student End of Year Status (Survey 5) /		Grade Level (less than 30, but no pre-K)
Student Attendance (Survey 5)	/	School Number, Current Enrollment Term (3)

CALCULATION:

In-School Suspensions

The unduplicated count of students in grades K-12 who served in-school suspensions ÷ the unduplicated count of students in grades K-12 enrolled at any time during the 180-day school year.

Out-of-School Suspensions

The unduplicated count of students in grades K-12 who served out-of-school suspensions ÷ the unduplicated count of students in grades K-12 enrolled at any time during the 180-day school year.

INDICATOR: **Teachers: Master's Degree or Higher**

EXPLANATION: The percentage of instructional staff with a master's degree, a doctorate, or a specialist's degree.

REPORTED AS: Percentage (rounded to one decimal place).

SCHOOL TYPE: Elementary, Middle, High.

CALCULATED BY SCHOOL TYPE? No.

SOURCE: DOE Staff Information Data Base.

FORMATS/DATA ELEMENTS USED:

Staff Payroll Information / District Number
(Survey 2) School Number, Primary/Home
Employee Type (RF or TF)
Job Code, Primary (falls on EEO-5 reporting lines 21-26,
28-29, 32, and 33 for Instructional Staff)
Salary Schedule Pay Lane (bachelor's--1,2; master's--3,4,5;
specialist--6; doctorate--7)
Social Security Number

CALCULATION:

(The number of teachers with a master's degree + the number of teachers with a specialist's degree + the number of teachers with a doctorate degree) ÷ the total number of teachers.

INDICATOR: CLASSES TAUGHT BY TEACHERS TEACHING OUT OF FIELD

YEAR: 2005-06

EXPLANATION: The percentage of classes being taught by classroom teachers teaching out-of-field for core academic courses. Core academic courses are English, reading, language arts, mathematics, science, foreign languages, civics, government, economics, arts, history, and geography. Results are reported for the school, district, and state.

REPORTED BY: Number Percent X
CATEGORY: Grade Race Sex
SCHOOL TYPE: Elementary X Middle X High X
Exceptional X Alternative X Other X

CALCULATED BY SCHOOL TYPE? Yes No X

SOURCE: Student Information Data Base

FORMATS/DATA ELEMENTS USED:

Teacher Course (Survey 2) / District Number, Current Instruction
School Number, Current Instruction
Course Number
Period Number (Begin); Period Number (End)
Social Security Number (teacher I.D.)
Primary Instructor Indicator
Term (= 1,2,3, 6-9, B-O)
Certification/Licensure Status (O,B = Out-of-Field)

The following courses are core academic courses for the out-of-field evaluation:

- Courses for which the first 2 digits of the Course Number begin with 01, 04, 07, 10, 12, 13, 20, 21, or 24 (except 2400200, 2400300, and 2400310).
- Courses for which the first 4 digits are 5001, 5007, 5010, 5012, 5013, 5020, 5021, 5100 (except 5100520, 5100530, 5100560, 5100570, 5100580, and 5100590), or 5200 (except courses 5200000 and 5200500).
- ESE Courses that are numbered 7701010 – 7713010, 7720010 – 7721010, 7755010 – 7755050 (except 7755020), 7801010 – 7820010 (except 7815010), 7821010, 7855010 – 7855050 (except 7855020), 7910100 – 7920010 (except 7915010 and 7919010), 7921010, 7961010 – 7961020, 7962010, and 7967010.

**INDICATOR: CLASSES TAUGHT BY TEACHERS TEACHING
OUT OF FIELD (continued)**

CALCULATION:

1. Compile classes.

Denominator

Compile teacher course records for which

- the course number is within the specified range (shown on prior page),
- *Term* = one of the following codes: 1,2,3, 6-9, B-O,
- the *Primary Instructor Indicator* is Y, and
- *Certification/Licensure Status* is coded as A,B,I,M,O,S, or N.

2. Calculate percentage of Out-of-Field classes.

School%:

Out-of-Field = (the number of core academic classes taught at a school with teachers teaching out-of-field [Certification/Licensure Status B,O] ÷ the total number of core academic classes taught in this school) × 100

District and state percentages are calculated in the same manner as for schools.

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Tallahassee, Florida
Dr. Eric J. Smith, Commissioner
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