New York City Department of Education: Class Size Reporting Comparison of Methodologies

2014-2015 Methodology (*indicates change from the 2013-14 methodology)

For Grades K-8

Source: ATS snapshot as of 1/28/2015, STARS snapshot as of end of first semester for semester schools and the current term as of 2/9/2015 for non-semester schools.

Data reported by:

• Grade level
• Program type
• Core subject and core course (for grades 6-8, where available)*

Program types:

• General Education (Gen Ed)
• Integrated Co-Teaching (ICT)
• Self-contained Special Education (Spec Ed), by service level
• Gifted and Talented (G&T)
• Gifted and Talented and ICT (G&T and ICT)

Methodology:

• Average Class size is calculated by dividing the number of students in a program and grade (for ATS) or subject (for STARS) by the number of official classes (ATS) or course sections (STARS) in that program and grade or subject.
• ICT and Self Contained official classes are those identified as such by the CAP class code in the Child Assistance Program (CAP) data system which tracks students referred for special education services.
• G&T classes are identified as:

- Classes in grades K-5 where students have been placed through the DOE's G&T screening process
- Courses in grades 6-8 defined as accelerated, and/or courses that have been approved as high school preparatory courses through the High School Preparatory Course Certification (HSPCC) process. Middle school accelerated courses are high school credit-bearing courses offered to grade 8 students. HSPCC courses are those determined by the NYC DOE, through quantitative and qualitative evaluation, to build high school readiness skills. All schools with middle grades have the opportunity to submit course offerings to the DOE for approval as HSPCC courses.

• For schools where core course data is available for grades 6-8 (as reported in STARS), average class size is calculated by dividing the number of students in all course sections for a given subject by the number of sections of courses in that subject, regardless of the grade level of the students enrolled.
• ICT core course sections that are coded as two separate sections for their General Ed and ICT student cohorts will be matched together based on day, period, room, and core course code. Two sections of the same core subject are assumed to be one co-teaching class where a) both sections have matching

schedules (they meet in the same day, period and room), b) one section has primarily students with a recommendation for ICT in that core subject in their Individualized Education Plan (IEP) entered into the Student Transcript and Academic Reporting System (SESIS) and one section has primarily students with no recommendation for ICT or Self Contained services, c) together at most 40 percent of the students have recommendations for ICT, and d) the combined enrollment has fewer than 34 students.
• Core courses are excluded where the 7th character of the course code, which denotes delivery mechanism, indicates any of the following:

7th character	Delivery mechanism description
J	Research and/or Projects
L	Science Lab
S	Independent Study
X	Extended Day
Y	Internship/Work Study

Included:
• Official classes in Kindergarten through 8th grade.
• Courses identified in Table A as English, Math, Social Studies and Science for grades 6-8, where available in STARS.

Excluded:
• Non-Self Contained bridge classes
• General education and ICT classes and course sections with more than 100 students
• General education and ICT classes and course sections with fewer than 5 students
• Self-contained official classes with fewer than 2 students, self-contained core course sections with fewer than 5 students

For Grades 9-12:
Source: STARS snapshot as of end of first semester for semester schools and the current term as of 2/9/2015 for non-semester schools.

Data reported by:
• Core subject
• Core course
• Program type

Program types:
• General Education (Gen Ed)
• Integrated Co-Teaching (ICT)

• Self-contained Special Education (Spec Ed)

Methodology:

• Class size is calculated by dividing the number of students in all course sections for a given subject by the number of sections of courses in that subject, regardless of the grade level of the students enrolled.
• For High Schools that organize their year into more than one term (i.e., semesters), the report captures the core course classes and registers for the first term.
• ICT core course sections that are coded as two separate sections for their General Ed and ICT student cohorts will be matched together based on day, period, and core course code. Two sections of the same core subject are assumed to be one co-teaching class where a) both sections have matching schedules (they meet in the same day, period and room), b) one section has primarily students with a recommendation for ICT in that core subject in their IEP entered into SESIS and one section has primarily students with no recommendation for ICT or Self Contained services, c) together at most 40% of the students have recommendations for ICT, and d) the combined enrollment has fewer than 34 students.

Included:

• Courses with codes listed in Table A below

Excluded:

• General education course sections with more than 100 students
• General education course sections with fewer than 10 students
• Self-contained course sections with fewer than 5 students
• Extended day and extended session courses
• Non-core middle school courses
• HS courses where the 7th character of the course code, which denotes delivery mechanism, indicates any of the following:

7th character	Delivery mechanism description
J	Research and/or Projects
L	Science Lab
R	Credit Recovery
S	Independent Study
X	Extended Day
Y	Internship/Work Study

Source: ATS, STARS

Table A: Courses included in 2014-2015 report

Dept Name	Core Subject Description
English/ESL	Communications
English/ESL	Core ELA

Dept Name	Core Subject Description
English/ESL	Journalism
English/ESL	Literature

Dept Name	Core Subject Description
English/ESL	Other English
English/ESL	ESL
English/ESL	Writing
Mathematics	Calculus
Mathematics	Integrated Algebra
Mathematics	Geometry
Mathematics	Technology
Mathematics	Core Math
Mathematics	Pre-calculus
Mathematics	Other Math
Mathematics	Algebra 2/Trig
Mathematics	Statistics
Science	Biology
Science	Chemistry
Science	Other Physical Sciences
Science	Earth Science
Science	Forensics
Science	Agriculture
Science	Health Science
Science	Technology
Science	Living Environment
Science	Physics
Science	Other Science
Science	Astronomy
Science	Core Science
Science	Other Life Sciences
Social Studies	Behavioral Sciences
Social Studies	Economics
Social Studies	Gov't and Econ
Social Studies	Global History
Social Studies	Law
Social Studies	Geography
Social Studies	Other Social Studies
Social Studies	History of "_"
Social Studies	Core Social Studies
Social Studies	Other Government
Social Studies	United States History Accelerated
Social Studies	Participation in Government

2013-2014 Methodology

For Grades K-8 (*indicates change from the 2012-13 methodology)
Source: ATS, STARS
Data reported by:
• Grade level
• Program type
• Core subject and core course (for grades 5-8, where available)

Program types:
• General Education (Gen Ed)
• Integrated Co-Teaching (ICT)
• Self-contained Special Education (Spec Ed), by service level
• Gifted and Talented (G&T) *
• Gifted and Talented and ICT (G&T and ICT)

Methodology:
• Average Class size is calculated by dividing the number of students in a program and grade by the number of official classes in that program and grade.
• ICT and Self Contained official classes are those identified as such by the CAP class code in the Child Assistance Program (CAP) data system which tracks students referred for special education services.*
• G&T classes are identified as :

- Classes in grades K-5 where students have been placed through the DOE's G&T screening process
- Courses in grades 6-8 defined as accelerated, and/or courses that have been approved as high school preparatory courses through the High School Preparatory Course Certification (HSPCC) process. Middle school accelerated courses are high school credit-bearing courses offered to grade 8 students. HSPCC courses are those determined by the NYC DOE, through quantitative and qualitative evaluation, to build high school readiness skills. All schools with middle grades have the opportunity to submit course offerings to the DOE for approval as HSPCC courses.

• For schools where core course data is available for grades 5-8 (as reported in STARS), average class size is calculated by dividing the number of students in a course by the number of sections in that course, regardless of the grade level of the students enrolled.
• ICT core course sections that are coded as two separate sections for their General Ed and ICT student cohorts will be matched together based on day, period, and core course code. Two sections of the same core subject are assumed to be one co-teaching class where a) both sections have matching schedules (they meet in the same day, period and room), b) one section has primarily students with a recommendation for ICT in that core subject in their IEP entered into SESIS and one section has primarily students with no recommendation for ICT or Self Contained services, c) together at most 40% of the students have recommendations for ICT, and d) the combined enrollment is less than 34.*

• Core courses are excluded where the 7th character of the course code, which denotes delivery mechanism, indicates any of the following:

7th character	Delivery mechanism description
J	Research and/or Projects
L	Science Lab
S	Independent Study
X	Extended Day
Y	Internship/Work Study

Included:
• Official classes in Kindergarten through 8th grade.
• Courses identified in Table A as English, Math, Social Studies and Science for grades 5-8, where available in STARS.

Excluded:
• Non-Self Contained bridge classes
• General education and ICT classes and course sections with more than 100 students
• General education and ICT classes and course sections with less than 5 students
• Self-contained official classes with less than 2 students, self-contained core course sections with less than 5 students

For Grades 9-12:

Data reported by:
• Core subject
• Core course
• Program type

Program types:
• General Education (Gen Ed)
• Integrated Co-Teaching (ICT)
• Self-contained Special Education (Spec Ed)

Methodology:
• Class size is calculated by dividing the number of students in a course by the number of course sections in that course, regardless of the grade level of the students enrolled.
• For High Schools that organize their year into more than one term (i.e., semesters), the report captures the core course classes and registers for the first term *

• ICT core course sections that are coded as two separate sections for their General Ed and ICT student cohorts will be matched together based on day, period, and core course code. Two sections of the same core subject are assumed to be one co-teaching class where a) both sections have matching schedules (they meet in the same day, period and room), b) one section has primarily students with a recommendation for ICT in that core subject in their IEP entered into SESIS and one section has primarily students with no recommendation for ICT or Self Contained services, c) together at most 40% of the students have recommendations for ICT, and d) the combined enrollment is less than 34.*

Included:

• Courses with codes listed in Table A below

Excluded:

• General education course sections with more than 100 students
• General education course sections with less than 10 students
• Self-contained course sections with less than 5 students
• Extended day and extended session courses
• Non-core middle school courses
• HS courses where the 7th character of the course code, which denotes delivery mechanism, indicates any of the following:

7th character	Delivery mechanism description
J	Research and/or Projects
L	Science Lab
R	Credit Recovery
S	Independent Study
X	Extended Day
Y	Internship/Work Study

Source: ATS, STARS

Table A: Courses included in 2012-2013 report

Dept Name	Core Subject Description
English/ESL	Communications
English/ESL	Core ELA
English/ESL	Journalism
English/ESL	Literature
English/ESL	Other English
English/ESL	ESL
English/ESL	Writing
Mathematics	Calculus
Mathematics	Integrated Algebra

Dept Name	Core Subject Description
Mathematics	Geometry
Mathematics	Technology
Mathematics	Core Math
Mathematics	Pre-calculus
Mathematics	Other Math
Mathematics	Algebra 2/Trig
Mathematics	Statistics
Science	Biology
Science	Chemistry

Dept Name	Core Subject Description
Science	Other Physical Sciences
Science	Earth Science
Science	Forensics
Science	Agriculture
Science	Health Science
Science	Technology
Science	Living Environment
Science	Physics
Science	Other Science
Science	Astronomy
Science	Core Science
Science	Other Life Sciences

Dept Name	Core Subject Description
Social Studies	Behavioral Sciences
Social Studies	Economics
Social Studies	Gov't and Econ
Social Studies	Global History
Social Studies	Law
Social Studies	Geography
Social Studies	Other Social Studies
Social Studies	History of "_"
Social Studies	Core Social Studies
Social Studies	Other Government
Social Studies	United States History Accelerated
Social Studies	Participation in Government

2012-2013 Methodology

For Grades K-8 (*indicates change from the 2011-12 methodology)

Data reported by:
• Grade level
• Program type
• Core subject and core course (for grades 5-8, where available)

Program types:
• General Education (Gen Ed)
• Integrated Co-Teaching (ICT) (formerly Collaborative Team Teaching (CTT))
• Self-contained Special Education (Spec Ed), by service level
• Gifted and Talented (G&T)
• Gifted and Talented and ICT (G&T and ICT)*

Methodology:
• Class size is calculated by dividing the number of students in a program and grade by the number of official classes in that program and grade.
• For schools where core course data is available for grades 5-8, class size is calculated by dividing the number of students in a course by the number of sections in that course, regardless of the grade level of the students enrolled.
• ICT core course sections that are coded as two separate sections for their General Ed and ICT student cohorts will be matched together based on day, period, room, and core course code. Two sections of the same core subject are assumed to be one co-teaching class where a) both sections have matching schedules (they meet in the same day, period and room), b) one section has primarily students with an ICT grade code and one section has primarily students with a GE grade code, c) together less than 40% of the students have ICT grade codes, and d) the combined enrollment is less than 34.

• Core courses are excluded where the 7th character of the course code, which denotes delivery mechanism, indicates any of the following:

7th character	Delivery mechanism description
J	Research and/or Projects
L	Science Lab
S	Independent Study
X	Extended Day
Y	Internship/Work Study

Included:
• All official classes in Kindergarten through 8th grade. Grade 9 official classes are no longer included in the 2012-2013 updated report.*
• All courses identified by core Subject from Table A as English, Math, Social Studies and Science for grades 5-8, where available in STARS.*

Excluded:
• Non-ICT bridge classes
• General education classes and course sections with more than 100 students
• General education classes and course sections with less than 5 students
• Self-contained official classes with less than 2 students, self contained core courses sections with less than 5 students

Source: ATS, STARS

For Grades 9-12:

Data reported by:
• Core subject
• Core course
• Program type

Program types:
• General Education (Gen Ed)
• Integrated Co-Teaching (ICT)
• Self-contained Special Education (Spec Ed)

Methodology:
• Class size is calculated by dividing the number of students in a course by the number of course sections in that course, regardless of the grade level of the students enrolled.

• For High Schools that organize their year into more than one term (semesters), the report captures the core course classes and registers as of the last date of the first term (generally January 25), updated retroactively through February 4.*
• ICT core course sections that are coded as two separate sections for their General Ed and ICT student cohorts will be matched together based on day, period, room, and core course code. Two sections of the same core subject are assumed to be one co-teaching class where a) both sections have matching schedules (they meet in the same day, period and room), b) one section has primarily students with an ICT grade code and one section has primarily students with a GE grade code, c) together less than 40% of the students have ICT grade codes, and d) the combined enrollment is less than 34.

Included:
• All courses Table A below*

Excluded:
• General education course sections with more than 100 students
• General education course sections with less than 10 students
• Self-contained course sections with less than 5 students
• Extended day and extended session courses
• Course sections scheduled for day 00 and 06 (Day 01 through 05 represent Monday through Friday)
• Non-core middle school courses
• HS courses where the 7th character of the course code, which denotes delivery mechanism, indicates any of the following:

7th character	Delivery mechanism description
J	Research and/or Projects
L	Science Lab
R	Credit Recovery
S	Independent Study
X	Extended Day
Y	Internship/Work Study

Source: ATS, STARS

Table A: Courses included in 2012-2013 report

Dept Name	Core Subject Description
English/ESL	Communications
English/ESL	Core ELA
English/ESL	Journalism
English/ESL	Literature
English/ESL	Other English
English/ESL	ESL

Dept Name	Core Subject Description
English/ESL	Writing
Mathematics	Calculus
Mathematics	Integrated Algebra
Mathematics	Geometry
Mathematics	Technology
Mathematics	Core Math

Dept Name	Core Subject Description
Mathematics	Pre-calculus
Mathematics	Other Math
Mathematics	Algebra 2/Trig
Mathematics	Statistics
Science	Biology
Science	Chemistry
Science	Other Physical Sciences
Science	Earth Science
Science	Forensics
Science	Agriculture
Science	Health Science
Science	Technology
Science	Living Environment
Science	Physics
Science	Other Science

Dept Name	Core Subject Description
Science	Astronomy
Science	Core Science
Science	Other Life Sciences
Social Studies	Behavioral Sciences
Social Studies	Economics
Social Studies	Gov't and Econ
Social Studies	Global History
Social Studies	Law
Social Studies	Geography
Social Studies	Other Social Studies
Social Studies	History of "_"
Social Studies	Core Social Studies
Social Studies	Other Government
Social Studies	United States History Accelerated
Social Studies	Participation in Government

2010-11, 2011-2012 Methodology

For Grades K-9 (*indicates change from the 2009-10 methodology)

Data reported by:
• Grade level
• Program type
• Core subject and core course (for grades 5-9, where available)

Program types:
• General Education (Gen Ed)
• Integrated Co-Teaching (ICT) (formerly Collaborative Team Teaching (CTT))
• Self-contained Special Education (Spec Ed), by service level
• Gifted and Talented (G&T)

Methodology:
• Class size is calculated by dividing the number of students in a program and grade by the number of official classes in that program and grade.
• For schools where core course data is available for grades 5-9, class size is calculated by dividing the number of students in a course by the number of official classes in that course, regardless of the grade level of the students enrolled.
• ICT sections that are coded as two separate sections for their General Ed and ICT student cohort will be matched together based on day, period, room, and CoreSubjectID. *

Included:
• All official classes

• Grade 9 included in schools where it is the terminating grade (i.e. 6-9 schools)
• All courses identified by CoreSubjectID as English, Math, Social Studies and Science for grades 5-9, where available in STARS. *

Excluded:
• Non-ICT bridge classes
• General education classes with more than 100 students
• General education classes with less than 5 students
• Self-contained official classes with less than 2 students, self contained core courses with less than 5 students

Source: ATS, STARS

For Grades 9-12:

Data reported by:
• Core subject
• Core course
• Program type

Program types:
• General Education (Gen Ed)
• Integrated Co-Teaching (ICT)
• Self-contained Special Education (Spec Ed)

Methodology:
• Class size is calculated by dividing the number of students in a course by the number of official classes in that course, regardless of the grade level of the students enrolled.
• ICT sections that are coded as two separate sections for their General Ed and ICT student cohort will be matched together based on day, period, room, and CoreSubjectID. *

Included:
• All courses identified by CoreSubjectID as English, Math, Social Studies and Science for grades 5-9, where available in STARS. *

Excluded:
• General education classes with more than 100 students
• General education classes with less than 10 students
• Self-contained classes with less than 5 students
• Extended day and extended session classes
• Course sections scheduled for day 00 and 06
• Elective courses

Source: ATS, STARS

2008-09, 2009-10 Methodology

For Grades K-9 (*indicates change from the 2007-08 methodology)

Data reported by:
• Grade level
• Program type
• Core subject and core course (for grades 5-9, where available) *

Program types:
• General Education (Gen Ed)
• Collaborative Team Teaching (CTT)
• Self-contained Special Education (Spec Ed), by service level
• Gifted and Talented (G&T)

Methodology:
• Class size is calculated by dividing the number of students in a program and grade by the number of official classes in that program and grade.
• For schools where core course data is available for grades 5-9, class size is calculated by dividing the number of students in a course by the number of official classes in that course, regardless of the grade level of the students enrolled *

Included:
• All official classes
• All courses coded as English, Math, Social Studies and Science for grades 5-9, where available *

Excluded:
• Non-CTT bridge classes
• General education classes with more than 100 students
• General education classes with less than 5 students
• Self-contained official classes with less than 2 students, self contained core courses with less than 5 students

Source: ATS, MSPA*

For Grades 9-12:

Data reported by:
• Core subject

• Core course
• Program type

Program types:
• General Education (Gen Ed)
• Collaborative Team Teaching (CTT); Note that sections with matching day, period, room and core subject, and combined enrollment less than 34, are assumed to be co-teaching situations. In the report, duplicated sections are subtracted as "MATCHED SECTIONS" and paired sections are added back as "ASSUMED TEAM TEACHING".*
• Self-contained Special Education (Spec Ed)

Methodology:
• Class size is calculated by dividing the number of students in a course by the number of official classes in that course, regardless of the grade level of the students enrolled.

Included:
• Courses where the core class flag is equal to “Y” in the following subjects:
  o English classes (courses beginning with “E”)
  o Science classes (beginning with “S”)
  o Math classes (courses beginning with “M”)
  o Social Studies classes (courses beginning with “H”)

Excluded:
• General education classes with more than 100 students
• General education classes with less than 10 students
• Self-contained classes with less than 5 students
• Extended day and extended session classes
• Course sections scheduled for day 00 and 06
• Elective courses

Source: HSST/STARS, ATS

2007-2008 Methodology

For Grades K-9:

Data reported by:
• Grade level
• Program type

Program types:
• General Education (Gen Ed)
• Collaborative Team Teaching (CTT)

• Self-contained Special Educ (Spec Ed), by service level
• Gifted and Talented (G&T)

Methodology:
• Class size is calculated by dividing the number of students in a program and grade by the number of official classes in that program and grade.

Included:
• All official classes

Excluded:
• Non-CTT bridge classes
• General education classes with more than 100 students
• General education classes with less than 5 students
• Self-contained classes with less than 2 students

Source: ATS

For Grades 9-12:

Data reported by:
• Core subject
• Core course
• Program type

Program types:
• General Education (Gen Ed)
• Collaborative Team Teaching (CTT)
• Self-contained Special Education (Spec Ed)

Methodology:
• Class size is calculated by dividing the number of students in a course by the number of official classes in that course, regardless of the grade level of the students enrolled.

Included:
• Courses where the core class flag is equal to “Y” in the following subjects:
  o English classes (courses beginning with “E”)
  o Science classes (beginning with “S”)
  o Math classes (courses beginning with “M”)
  o Social Studies classes (courses beginning with “H”)

Excluded:
• General education classes with more than 100 students

• General education classes with less than 10 students
• Self-contained classes with less than 3 students
• Extended day and extended session classes
• Course sections scheduled for day 00 and 06
• Elective courses

Source: HSST, ATS

2006-07 Methodology

For Grades K-9:

Data reported by:
• Grade level
• Program type

Program types:
• General Education (Gen Ed)
• Collaborative Team Teaching (CTT)
• Self-contained Special Educ (Spec Ed), by service level
• Gifted and Talented (G&T)

Methodology:
• Class size is calculated by dividing the number of students in a program and grade by the number of official classes in that program and grade.

Included:
• All official classes

Excluded:
• Non-CTT bridge classes
• General education classes with more than 100 students
• General education classes with less than 5 students
• Self-contained classes with less than 2 students

Source: ATS

For Grades 9-12:

Data reported by:
• Grade
• Core subject
• Program type

Program types:
• General Education (Gen Ed)
• Special Education: Self-contained by service level (12:1, 12:1:1, etc.), Mainstream

Methodology:
• Since high school classes may contain students in multiple grades and programs, class size is calculated by taking a weighted average of all the classes in a core subject area with students in a particular grade or program.

Included:
• English classes (courses beginning with “E”)
• Science classes (courses beginning with “S”)
• Math classes (courses beginning with “M”)
• Social studies classes (courses beginning with “H”)

Excluded:
• General education classes with more than 100 students
• General education classes with less than 10 students
• Self-contained classes with less than 3 students
• Extended day classes

Source: HSST, ATS