

2011 Report on Act 153. Section 17

**An Act Relating to Voluntary School
District Merger, Virtual Merger,
Supervisory Union Duties, and Including
Secondary Students with Disabilities in
Senior Year Activities and Ceremonies**

Report to the House and Senate Committees on Education

January 11, 2012

Submitted by:

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No. 153. An act relating to voluntary school district merger, virtual merger, supervisory union duties, and including secondary students with disabilities in senior year activities and ceremonies.

(H.66)

Sec. 17. STUDENT-TO-STAFF RATIOS; DATA

In order to develop meaningful proposals to determine optimal cost-effective student-to-staff ratios, the commissioner of education shall research and, on or before January 15, 2011, shall present to the senate and house committees on education the following statistics for the most recent academic year for which data is available:

- (1) the total staff-to-student ratios at a supervisory unionwide level, without including transportation, food service, maintenance, enterprise operations, or community service operations;
- (2) classroom teacher-to-student ratios at a supervisory unionwide level, without including transportation, food service, maintenance, enterprise operations, or community service operations;
- (3) administrative staff-to-student ratios at a supervisory unionwide level, without including transportation, food service, maintenance, enterprise operations, or community service operations;
- (4) licensed educator-to-student ratios at a supervisory unionwide level, without including transportation, food service, maintenance, enterprise operations, or community service operations; and
- (5) total expenditures, at both the supervisory unionwide and statewide levels, of transportation, food service, maintenance, enterprise operations, or community service operations, with a breakdown of contractual services and services provided by the supervisory union or school district.

Sec. 17 of Act 153 of 2010 directed the Commissioner of Education to present data on various categories of staff as compared to student enrollment data. The data were to be aggregated and presented at the supervisory unionwide level. The purpose of the data was to present information that would allow for meaningful development of proposals to determine cost-effective student to staff ratios.

Data used for subsections (1), (3), and (4) of sec. 17 were extracted from the 2011 Teacher/Staff FTE and Salary Report and are from FY2011 (school year 2010 – 2011).

Data used for subsection (2) of sec. 17 are from a data collection sent to the individual schools. This collection asked the schools to report the number of classes and students for each teacher, as well as the FTE for that teacher. Data were collected at the elementary level (K – 6) and the secondary level (7 – 12).

Data for subsection (5) of sec. 17 are from expenditures reported in the FY2011 Summary of the Annual Statistical Reports of Schools.

It should be noted that sec. 9 of Act 153 of 2010 has directed supervisory unions and school districts to consolidate more services at the supervisory union level. Prior to Act 153, the range of services offered by supervisory unions to their member school districts varied widely between supervisory unions. Comparison of personnel and costs was thus problematical due to the broad variation in services provided.

With the passage of Act 153 in FY2010, supervisory unions are moving forward with the required consolidation of services. However, the rate at which the supervisory union not only varies, but few are starting from the same point. During this current transitional period, comparison data between supervisory unions will still be problematical but should improve with time. The data contained in this report covers the beginning of the transitional period. Readers should view the results with caution and be judicious in their use of the data.

Section 1: Supervisory Unionwide Total Staff-to-Student Ratios

Sec. 17. STUDENT-TO-STAFF RATIOS; DATA

In order to develop meaningful proposals to determine optimal cost-effective student-to-staff ratios, the commissioner of education shall research and, on or before January 15, 2011, shall present to the senate and house committees on education the following statistics for the most recent academic year for which data is available:

- (1) the total staff-to-student ratios at a supervisory unionwide level, without including transportation, food service, maintenance, enterprise operations, or community service operations;

Subsection (1) of section 17 looks at the total staff-to-student ratios at a supervisory unionwide level. The language excludes those personnel from transportation, food service, maintenance, enterprise operations, and community service operations. Personnel included were those involved in direct instruction (function 1000), student support services (function 2100), instructional staff student support services (function 2200), general administration (function 2300), school administration (function 2400), and central support services (function 2500).

Data used for subsection (1) were extracted from the 2011 Teacher/Staff FTE and Salary Report and are from FY2011 (school year 2010 – 2011). Personnel were reported as full-time equivalents (FTE's). The total staff FTE reported in these categories for FY2011 was 16,354.

Personnel categories and descriptions used in this section as well as their general function in an education setting are listed in Table 1 on the following page.

Table 1: Staff functions and categories for subsection (1)

General Function	Description and Category ID	
Direct Instructional Services Function 1000	101	Preschool/PreKindergarten Teachers
	102	Kindergarten Teachers
	103	Elementary Teachers (Grades 1-6)
	104	Secondary Teachers (Grades 7-12)
	105	Teachers of Ungraded Classes (include EEE, Special Ed.)
	107	Teachers Aides - (PAID only)
	108	Vocational Teachers
	207	Admin. Assists., Clerical & Secretarial Support Staff
	209	Nurses Aides
Support Services – Students Function 2100	201	Attendance & Social Work Personnel
	202	Guidance Counselors/Directors - Elem (Grades 1-6)
	203	Guidance Counselors/Directors - Sec (Grades 7-12)
	204	Nurses
	205	Psychological, Speech Pathology, Audiology, Occupational Therapy
	206	School Registrars
	207	Admin. Assists., Clerical & Secretarial Support Staff
	209	Nurses Aides
Support Services - Instructional Staff Function 2200	301	Athletic Directors
	302	Audiovisual & Instructional Technology Staff
	304	Admin. Assists., Clerical & Secretarial Support Staff
	305	Curriculum Coordinators
	306	EEE Directors
	307	Librarians
	308	School Library Support Staff
Support Services - General Administration Function 2300	401	Superintendents
	402	Assistant Superintendents
	403	Admin. Assists., Clerical & Secretarial Support Staff
Support Services - School Administration Function 2400	303	Title 1 Coordinators
	309	Special Education Directors
	311	Voc Education and Adult Ed Directors
	501	Principals
	502	Assistant Principals
	503	Admin. Assists., Clerical & Secretarial Support Staff
	504	Department Heads
505	Bookkeeper	
Support Services - Central Services Function 2500	601	Business Managers
	701	Admin. Assists., Clerical & Secretarial Support Staff
	702	In-service Training Staff (for non-instructional personnel)
	703	Planning, Research, & Development Staff
	704	Statistical, Data Processing & IT Staff

Enrollment at the schools within a supervisory union (or supervisory district) were rolled up to the S.U. level. In FY2011, the enrollment statewide was 88,105. This gives a statewide student-to-staff ratio of 5.39 and represents the state as one entity. The statewide figure is essentially a weighted average. (The average figure shown on the table is slightly smaller at 5.35 students-to-staff. This figure is an average of the S.U. averages. The statewide figure is of more significance and will be used throughout the report.)

The maximum student/staff ratio within the State for FY2011 was 6.87 (South Burlington S.D.) and the minimum 4.37 (Windham Southwest S.U.). The median ratio (i.e., 50% of S.U.'s were higher and 50% were lower) was 5.35 students per staff FTE.

Complete data may be found in Table 2 on the following page.

Table 2
Staff-to-Student Ratio, FY2011

(1)

subsec. (1), sec. 17, Act 153
Student to Staff

maximum: 6.87
median: 5.26
average: 5.35
minimum: 4.37

				Data are at S.U. Level		
				Enrollment	Staff FTE S.U.-wide	Staff to Student
Statewide figures				60	60	60
				88,105	16,354.14	5.39
1	2	3	4	5	6	7
SU001	Addison Northeast S.U.			1,674	324.61	5.16
SU002	Addison Northwest S.U.			1,205	195.28	6.17
SU003	Addison Central S.U.			1,857	371.01	5.01
SU004	Addison - Rutland S.U.			1,470	319.81	4.60
SU005	Southwest Vermont S.U.			3,204	592.64	5.41
SU006	Bennington - Rutland S.U.			1,013	207.26	4.89
SU007	Colchester S.D.			2,185	371.10	5.89
SU008	Caledonia North S.U.			1,059	229.54	4.61
SU009	Caledonia Central S.U.			787	140.45	5.60
SU010	Milton S.D.			1,758	269.60	6.52
SU011	St.Johnsbury S.D.			657	128.38	5.12
SU012	Chittenden East S.U.			2,858	436.13	6.55
SU013	Chittenden Central S.U.			2,610	483.20	5.40
SU014	Chittenden South S.U.			4,365	713.38	6.12
SU015	Burlington S.D.			3,923	757.66	5.18
SU016	South Burlington S.D.			2,591	377.30	6.87
SU017	Winooski S.D.			850	159.93	5.31
SU018	Essex - Caledonia S.U.			530	104.35	5.08
SU019	Essex North S.U.			212	44.40	4.77
SU020	Franklin Northeast S.U.			1,714	306.84	5.59
SU021	Franklin Northwest S.U.			2,319	456.65	5.08
SU022	Franklin West S.U.			1,758	279.93	6.28
SU023	Franklin Central S.U.			2,870	514.11	5.58
SU024	Grand Isle S.U.			676	133.63	5.06
SU025	Lamoille North S.U.			1,943	365.52	5.32
SU026	Lamoille South S.U.			1,683	248.35	6.78
SU027	Orange East S.U.			1,220	269.03	4.53
SU028	Orange Southwest S.U.			966	200.80	4.81
SU029	Orange North S.U.			716	131.40	5.45
SU030	Orange - Windsor S.U.			899	187.60	4.79
SU031	North Country S.U.			2,790	588.71	4.74
SU032	Washington Central S.U.			1,667	286.39	5.82
SU033	Rutland South S.U.			983	211.74	4.64
SU034	Orleans Central S.U.			1,146	214.43	5.34
SU035	Orleans Southwest S.U.			1,131	218.50	5.18
SU036	Rutland Northeast S.U.			1,645	329.35	4.99
SU037	Rutland Central S.U.			1,062	200.88	5.29
SU038	Rutland Southwest S.U.			657	147.79	4.45
SU039	Rutland - Windsor S.U.			434	91.61	4.74
SU040	Rutland City S.D.			2,418	469.47	5.15
SU041	Washington Northeast S.U.			662	120.70	5.48
SU042	Washington West S.U.			2,049	331.05	6.19
SU043	Washington South S.U.			713	113.78	6.27
SU045	Montpelier S.D.			1,016	183.15	5.55
SU046	Windham Central S.U.			973	186.02	5.23
SU047	Windham Northeast S.U.			1,281	263.95	4.85
SU048	Windham Southeast S.U.			2,835	553.35	5.12
SU049	Windham Southwest S.U.			732	167.62	4.37
SU050	Windsor Northwest S.U.			552	117.99	4.68
SU051	Windsor Central S.U.			1,072	220.31	4.87
SU052	Windsor Southeast S.U.			1,189	216.52	5.49
SU053	Windsor Southwest S.U.			1,042	187.88	5.55
SU054	Hartford S.D.			1,675	349.56	4.79
SU055	Dresden Interstate S.D.			307	49.55	6.20
SU056	Springfield S.D.			1,464	310.35	4.72
SU057	Blue Mountain Union S.D.			453	73.78	6.14
SU059	Essex Town S.D.			1,241	204.23	6.08
SU060	Battenkill Valley S.U.			342	62.71	5.45
SU061	Barre S.U.			2,491	459.44	5.42
SU062	Rivendell Interstate S.D.			511	103.44	4.94
T999	Statewide Total			88,105	16,354.14	5.39

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Listed
High to Low

Section 2: Supervisory Unionwide Classroom Teacher-to-Student Ratios

Sec. 17. STUDENT-TO-STAFF RATIOS; DATA

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- (2) classroom teacher-to-student ratios at a supervisory unionwide level, without including transportation, food service, maintenance, enterprise operations, or community service operations;

Subsection (2) of section 17 looks at the classroom teacher-to-student ratios at a supervisory unionwide level. Data used in this section were gathered through responses to a query sent out by the Department of Education to the individual schools. Schools were asked to report for each teacher the number of classes taught, the number of students in each class, and the FTE of that particular teacher. The query was designed to collect those data at both the elementary level (K – 6) and the secondary level (7 – 12) due to differing schedules and student contacts throughout the day.

The intent was to collect data for those teachers who are in what would be considered regular classroom settings. Many teachers have widely varying numbers of students in class or very small class size numbers due to the nature of the class. An attempt was made to not collect data for those types of teachers. Therefore, teachers such as special education, band or orchestra, physical education, driver's education, English for speakers of other languages, *etc.*, were excluded from the collection. However, there was no method to verify the accuracy of the reported data, so the results are based on data as reported by the schools.

There were 307 public schools operating in Vermont in FY2011. Of those, 99 offered both elementary and secondary grades. Of the expected 406 replies, 174 were received, a response rate of 42.9%.

From those responses, the number of classes, students in those classes, and teacher FTE's were aggregated to the S.U. level. All schools in eleven S.U.'s responded while 22 S.U.'s had zero schools responding. Considering the return rate, the data should be interpreted carefully although the return size was large enough (but not random) to give some confidence in the results.

The data collected allowed the calculation of an average class size, the average of the number of classes a teacher has per day, and an average number of students seen by a teacher in one day for the responding S.U.'s. An average class size for an S.U. was calculated by the aggregate enrollment for the reporting schools divided by the reported number of classes. The average class size was for the state as a whole was 16.2 students per class based on those schools reporting.

The average statewide number of classes taught by a teacher was calculated in a similar fashion: the aggregated number of classes was divided by the aggregated number of teacher FTE's. The average statewide figure was 2.9 classes per teacher.

And finally, the statewide average number of students seen by a teacher per day was calculated by dividing the reported aggregated enrollment by the aggregated teacher FTE's. The statewide figure was 47.8 students seen per day per teacher FTE. Dividing the statewide average students seen per day by the statewide average classes per teacher results in the statewide average class size as seen above.

(Note: dividing 47.8 by 2.9 results in 16.5, a figure greater than the 16.2 mentioned earlier. The difference is due solely to rounding. The correct estimated figure for students per class per teacher statewide is 16.2 based on the 174 reporting schools and rounding conventions.)

However, a more accurate interpretation of the figures can be seen by dividing the data as submitted into elementary and secondary data. This is due to the general class schedule of an elementary school versus a secondary school where the students generally change classes multiple times per day. Additionally, not only do secondary schools vary in their scheduling from one another but a school offering grades K-8 does not usually run a schedule for its 7th and 8th graders like a high school would.

Dividing the data into the an elementary and secondary category results in a statewide average class size of 16.2 students per teacher per class for both elementary and secondary. (There are differences beyond the decimal places shown.) However, the statewide average number of classes per teacher is 1.4 for elementary teachers and 4.6 for secondary teachers. Similarly, the statewide average students seen by a teacher in a day is 23.0 for elementary teachers but 75.1 students for secondary teachers.

The maximum average class size per teacher was 21.8 in Franklin West S.U. with only a single K - 6 school reporting out of an expected 5 responses. Similarly, the minimum average class size of 4.8 students per teacher was at Rutland Northeast S.U. with only a very small K – 6 school reporting out of an expected 8 responses. As noted previously, the results should be interpreted with caution.

Complete data may be found in Table 3 on the following page.

Table 3
Student-to-Classroom Teacher Ratio, FY2011

(2)

subsec. (2), sec. 17, Act 153

Classroom Teacher-to-Student Ratios

	Received Expected Response	174 406 0.4286	Reported at S.U. Level			Total at S.U. Level:			Elementary Data at S.U. Level:			Secondary Data at S.U. Level:			
			Number of Classes	Total Students in Classes	Teacher FTE's	Average Class Size	Average Classes per Teacher	Average Students per Teacher	Average Class Size	Average Classes per Teacher	Average Students per Teacher	Average Class Size	Average Classes per Teacher	Average Students per Teacher	
			38	38	38	38	38	38	37	37	37	27	27	27	
Statewide figures			6,262	101,453	2,124	16.2	2.9	47.8	16.2	1.4	23.0	16.2	4.6	75.1	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
SU001	Addison Northeast S.U.	42	788	15	18.8	2.8	52.5	18.8	2.8	52.5	-	-	-	-	-
SU002	Addison Northwest S.U.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU003	Addison Central S.U.	212	3,748	83	17.7	2.5	45.0	17.5	1.0	17.5	17.7	3.1	55.6	-	-
SU004	Addison - Rutland S.U.	152	1,897	51	12.5	3.0	37.0	15.0	1.4	21.7	11.4	5.2	59.4	-	-
SU005	Southwest Vermont S.U.	18	322	18	17.9	1.0	17.9	17.9	1.0	17.9	-	-	-	-	-
SU006	Bennington - Rutland S.U.	144	2,439	55	16.9	2.6	44.3	15.1	2.3	35.2	22.7	4.2	95.7	-	-
SU007	Colchester S.D.	441	9,300	118	21.1	3.8	79.1	21.6	1.0	21.6	21.0	5.9	123.1	-	-
SU008	Caledonia North S.U.	141	1,960	73	13.9	1.9	27.0	13.6	1.2	16.4	14.1	3.8	53.0	-	-
SU009	Caledonia Central S.U.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU010	Milton S.D.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU011	St. Johnsbury S.D.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU012	Chittenden East S.U.	480	9,146	126	19.1	3.8	72.8	19.4	2.5	48.6	18.9	4.9	92.1	-	-
SU013	Chittenden Central S.U.	34	673	34	19.8	1.0	19.8	19.8	1.0	19.8	-	-	-	-	-
SU014	Chittenden South S.U.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU015	Burlington S.D.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU016	South Burlington S.D.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU017	Winooski S.D.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU018	Essex - Caledonia S.U.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU019	Essex North S.U.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU020	Franklin Northeast S.U.	224	3,464	56	15.5	4.0	61.5	16.2	1.4	22.0	15.3	6.2	94.6	-	-
SU021	Franklin Northwest S.U.	7	130	7	18.6	1.0	18.6	18.6	1.0	18.6	-	-	-	-	-
SU022	Franklin West S.U.	5	109	7	21.8	0.7	15.6	21.8	0.7	15.6	-	-	-	-	-
SU023	Franklin Central S.U.	455	9,333	153	20.5	3.0	60.9	17.2	1.0	17.2	21.0	4.3	89.9	-	-
SU024	Grand Isle S.U.	96	1,450	38	15.1	2.5	38.4	15.7	1.3	19.8	14.8	5.7	84.1	-	-
SU025	Lamoille North S.U.	23	390	23	17.0	1.0	17.0	17.0	1.0	17.0	-	-	-	-	-
SU026	Lamoille South S.U.	313	5,673	91	18.1	3.5	62.6	19.4	2.0	39.0	17.6	4.8	85.1	-	-
SU027	Orange East S.U.	197	3,297	77	16.7	2.6	42.9	16.2	1.0	15.9	16.9	4.4	73.5	-	-
SU028	Orange Southwest S.U.	201	2,676	61	13.3	3.3	44.2	16.7	1.0	16.7	12.7	5.4	69.4	-	-
SU029	Orange North S.U.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU030	Orange - Windsor S.U.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU031	North Country S.U.	259	3,916	112	15.1	2.3	35.1	12.9	1.2	15.0	16.3	4.8	77.9	-	-
SU032	Washington Central S.U.	12	187	12	15.6	1.0	15.6	15.6	1.0	15.6	-	-	-	-	-
SU033	Rutland South S.U.	267	3,464	62	13.0	4.3	55.7	10.0	1.3	13.4	13.3	5.7	75.9	-	-
SU034	Orleans Central S.U.	257	3,935	85	15.3	3.0	46.5	13.4	1.4	19.2	15.8	4.5	70.9	-	-
SU035	Orleans Southwest S.U.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU036	Rutland Northeast S.U.	6	29	3	4.8	2.0	9.7	4.8	2.0	9.7	-	-	-	-	-
SU037	Rutland Central S.U.	250	3,180	72	12.7	3.4	43.9	16.3	1.4	23.6	11.8	5.2	61.8	-	-
SU038	Rutland Southwest S.U.	6	78	4	13.0	1.5	19.5	13.0	1.5	19.5	-	-	-	-	-
SU039	Rutland - Windsor S.U.	83	958	24	11.5	3.5	40.8	15.7	1.0	15.7	11.2	4.6	51.4	-	-
SU040	Rutland City S.D.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU041	Washington Northeast S.U.	144	1,776	44	12.3	3.2	40.1	17.7	1.1	19.6	11.3	5.1	58.2	-	-
SU042	Washington West S.U.	443	6,924	125	15.6	3.5	55.5	16.3	1.1	17.5	15.5	5.6	87.2	-	-
SU043	Washington South S.U.	4	42	4	10.5	1.0	10.5	10.5	1.0	10.5	-	-	-	-	-
SU045	Montpelier S.D.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU046	Windham Central S.U.	255	3,030	77	11.9	3.3	39.5	9.2	1.7	15.4	13.0	5.7	74.3	-	-
SU047	Windham Northeast S.U.	87	1,542	24	17.7	3.6	63.7	17.9	2.7	48.8	17.6	5.7	100.4	-	-
SU048	Windham Southeast S.U.	272	4,074	76	15.0	3.6	53.3	-	-	-	15.0	3.6	53.3	-	-
SU049	Windham Southwest S.U.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU050	Windsor Northwest S.U.	74	805	15	10.9	4.8	52.5	9.7	3.4	33.0	11.5	6.1	70.4	-	-
SU051	Windsor Central S.U.	27	359	26	13.3	1.1	14.0	13.3	1.1	14.0	-	-	-	-	-
SU052	Windsor Southeast S.U.	104	1,797	37	17.3	2.8	48.4	18.2	2.4	44.4	15.5	3.9	60.7	-	-
SU053	Windsor Southwest S.U.	132	2,052	61	15.5	2.2	33.6	15.7	1.0	15.7	15.5	3.7	57.8	-	-
SU054	Hartford S.D.	283	4,404	109	15.6	2.6	40.5	17.5	1.6	27.6	14.8	3.5	51.5	-	-
SU055	Dresden Interstate S.D.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU056	Springfield S.D.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU057	Blue Mountain Union S.D.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU059	Essex Town S.D.	112	2,107	67	18.8	1.7	31.3	19.5	1.0	19.5	18.5	2.6	47.4	-	-
SU060	Battenkill Valley S.U.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU061	Barre S.U.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU062	Rivendell Interstate S.D.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T999	Statewide Total	6,262	101,453	2,124	16.2	2.9	47.8	16.2	1.4	23.0	16.2	4.6	75.1		
	Count:	38	38	38	38	38	38	37	37	37	27	27	27		
	maximum:	480.00	9,333.00	153.20	21.80	4.80	79.10	21.80	3.40	52.50	22.70	6.20	123.10		
	median:	142.50	2,006.00	55.68	15.55	2.70	40.65	16.30	1.20	18.60	15.50	4.80	70.90		
	average:	164.79	2,669.82	55.88	15.52	2.59	39.65	15.80	1.45	22.45	15.58	4.75	73.13		
	minimum:	4.00	29.00	3.00	4.80	0.70	9.70	4.80	0.70	9.70	11.20	2.60	47.40		

Section 3: Supervisory Unionwide Administrative Staff-to-Student Ratios

Sec. 17. STUDENT-TO-STAFF RATIOS; DATA

In order to develop meaningful proposals to determine optimal cost-effective student-to-staff ratios, the commissioner of education shall research and, on or before January 15, 2011, shall present to the senate and house committees on education the following statistics for the most recent academic year for which data is available:

- (3) administrative staff-to-student ratios at a supervisory unionwide level, without including transportation, food service, maintenance, enterprise operations, or community service operations;

Subsection (3) of section 17 looks at the administrative staff-to-student ratios at a supervisory unionwide level. Personnel included were those involved in general administration (function 2300), school administration (function 2400), and central support services (function 2500). Data used for subsection (3) calculations were extracted from the 2011 Teacher/Staff FTE and Salary Report and are from FY2011 (school year 2010 – 2011).

General administration, also called central administration, are the personnel at a supervisory union level. School administration are the personnel in the front office of a school, while central support services are the personnel in the business office, planning and development staff, and IT staff. Generally, central support services are considered to be at the same level as the central administration and are included as central office staff. Based on that consideration, staff-to-student data were calculated three ways:

- (3)a - using all administrative staff;
- (3)b - using central office staff (central administration and central support services); and
- (3)c - using only school administrative staff.

Supervisory unions throughout the state vary widely in the services they provide to member school districts. Some S.U.'s provide member districts only centralized services such as general administration and business functions. Others provide those services plus others such as special education, transportation, curriculum coordination, etc. These supervisory unions are the general model other S.U.'s are moving towards through Act 153. Most S.U.'s provide a range of services between the minimum and the full-service model.

Given the range of services provided by S.U.'s, the staff counts in the central administrative and support services vary widely. These variations will have a dramatic impact on the administrative staff-to-student ratios in S.U.'s of similar student size but that provide differing services.

Subsection 3a: All Administrative Staff

Table 4 lists the functions and categories of administrative staff used in this subsection.

Table 4: All administrative staff for subsection (3)

General Function	Description and Category ID	
Support Services - General Administration Function 2300	401	Superintendents
	402	Assistant Superintendents
	403	Admin. Assists., Clerical & Secretarial Support Staff
Support Services - School Administration Function 2400	303	Title 1 Coordinators
	309	Special Education Directors
	311	Voc Education and Adult Ed Directors
	501	Principals
	502	Assistant Principals
	503	Admin. Assists., Clerical & Secretarial Support Staff
	504	Department Heads
Support Services - Central Services Function 2500	601	Business Managers
	701	Admin. Assists., Clerical & Secretarial Support Staff
	702	In-service Training Staff (for non-instructional personnel)
	703	Planning, Research, & Development Staff
	704	Statistical, Data Processing & IT Staff

In FY2011, there were 1,849 FTE’s at the administrative level in Vermont public schools. That results in a statewide average administrative staff-to-student ratio of 47.6 using an enrollment of 88,105. The highest ratio, 113.25, was at Blue Mountain Supervisory District which consists of a single unified union high school, serving three towns. The reported administrative staff FTE of 4.00 was a function of being a single district with a low enrollment (453). The 4.00 FTE are divided with 2.50 staff at the central office and 1.50 at the school. Conversations with those personnel have clearly stated more assistance is needed at the administrative level.

A supervisory district with the second highest ratio is the Dresden Interstate School District, consisting of Norwich on the Vermont side and Hanover on the New Hampshire side. The 3.00 FTE reported at Dresden are all in the Marion Cross School in Norwich. The central office staff are part of the New Hampshire School Administrative Unit, SAU 70, and are not counted in these data.

The last S.U. with an administrative FTE significantly below 10 is Essex North Supervisory Union (5.80 FTE). Essex North S.U. consists of one K – 12 school in Canaan (enrollment 212), four towns that do not operate a school and tuition all students (many to New Hampshire schools), and five unorganized towns and gores.

The lowest administrative staff-to-student ratio of 18.30 is at Windsor Northwest Supervisory Union. This S.U. provides many of the functions sec. 9 of Act 153 of 2010 requires S.U.’s to begin providing. This requires more personnel at the S.U. level.

It is also difficult to draw accurate comparisons between supervisory unions during this transition period for the requirements of consolidating services at the S.U. level as mandated by Act 153. Not only did supervisory unions begin at different stages, they are also moving forwards at varying rates.

Complete data may be found in Table 5 on the following page.

Table 5

(3)a

subsec. (3), sec. 17, Act 153

Student-to-Administrative Staff Data, FY2011

Student to Administrative Staff

				Data are at S.U. Level		
maximum: 113.25				Enrollment	Staff FTE S.U.-wide	Staff to Student
median: 45.01						
average: 48.60						
minimum: 30.16						
Statewide figures				88,105	1,849.44	47.64
1	2	3	4	5	6	7
SU001	Addison Northeast S.U.			1,674	44.20	37.87
SU002	Addison Northwest S.U.			1,205	21.00	57.38
SU003	Addison Central S.U.			1,857	48.94	37.94
SU004	Addison - Rutland S.U.			1,470	40.83	36.00
SU005	Southwest Vermont S.U.			3,204	54.75	58.52
SU006	Bennington - Rutland S.U.			1,013	26.35	38.44
SU007	Colchester S.D.			2,185	42.60	51.29
SU008	Caledonia North S.U.			1,059	25.70	41.21
SU009	Caledonia Central S.U.			787	16.55	47.55
SU010	Milton S.D.			1,758	25.00	70.32
SU011	St.Johnsbury S.D.			657	18.20	36.10
SU012	Chittenden East S.U.			2,858	43.71	65.39
SU013	Chittenden Central S.U.			2,610	70.40	37.07
SU014	Chittenden South S.U.			4,365	77.36	56.42
SU015	Burlington S.D.			3,923	59.50	65.93
SU016	South Burlington S.D.			2,591	44.18	58.65
SU017	Winooski S.D.			850	13.60	62.50
SU018	Essex - Caledonia S.U.			530	12.35	42.91
SU019	Essex North S.U.			212	5.80	36.55
SU020	Franklin Northeast S.U.			1,714	36.00	47.61
SU021	Franklin Northwest S.U.			2,319	46.94	49.40
SU022	Franklin West S.U.			1,758	27.59	63.72
SU023	Franklin Central S.U.			2,870	45.50	63.08
SU024	Grand Isle S.U.			676	17.85	37.87
SU025	Lamoille North S.U.			1,943	48.38	40.16
SU026	Lamoille South S.U.			1,683	26.02	64.68
SU027	Orange East S.U.			1,220	25.29	48.24
SU028	Orange Southwest S.U.			966	27.00	35.78
SU029	Orange North S.U.			716	16.00	44.75
SU030	Orange - Windsor S.U.			899	18.80	47.82
SU031	North Country S.U.			2,790	67.80	41.15
SU032	Washington Central S.U.			1,667	40.87	40.79
SU033	Rutland South S.U.			983	25.78	38.13
SU034	Orleans Central S.U.			1,146	26.20	43.74
SU035	Orleans Southwest S.U.			1,131	25.40	44.53
SU036	Rutland Northeast S.U.			1,645	36.55	45.01
SU037	Rutland Central S.U.			1,062	19.58	54.24
SU038	Rutland Southwest S.U.			657	20.60	31.89
SU039	Rutland - Windsor S.U.			434	12.81	33.88
SU040	Rutland City S.D.			2,418	55.50	43.57
SU041	Washington Northeast S.U.			662	13.30	49.77
SU042	Washington West S.U.			2,049	32.80	62.47
SU043	Washington South S.U.			713	14.08	50.64
SU045	Montpelier S.D.			1,016	19.79	51.34
SU046	Windham Central S.U.			973	27.60	35.25
SU047	Windham Northeast S.U.			1,281	30.40	42.14
SU048	Windham Southeast S.U.			2,835	66.10	42.89
SU049	Windham Southwest S.U.			732	24.00	30.50
SU050	Windsor Northwest S.U.			552	18.30	30.16
SU051	Windsor Central S.U.			1,072	29.20	36.71
SU052	Windsor Southeast S.U.			1,189	23.44	50.73
SU053	Windsor Southwest S.U.			1,042	23.15	45.01
SU054	Hartford S.D.			1,675	33.16	50.51
SU055	Dresden Interstate S.D.			307	3.00	102.33
SU056	Springfield S.D.			1,464	32.00	45.75
SU057	Blue Mountain Union S.D.			453	4.00	113.25
SU059	Essex Town S.D.			1,241	19.65	63.16
SU060	Battenkill Valley S.U.			342	9.60	35.63
SU061	Barre S.U.			2,491	52.42	47.52
SU062	Rivendell Interstate S.D.			511	15.97	32.00
T999	Statewide Total			88,105	1,849.44	47.64

				Data are at S.U. Level		
maximum: 113.25				Enrollment	Staff FTE S.U.-wide	Staff to Student
median: 45.01						
average: 48.60						
minimum: 30.16						
Statewide figures				88,105	1,849.44	47.64
1	2	3	4	5	6	7
SU057	Blue Mountain Union S.D.			453	4.00	113.25
SU055	Dresden Interstate S.D.			307	3.00	102.33
SU010	Milton S.D.			1,758	25.00	70.32
SU015	Burlington S.D.			3,923	59.50	65.93
SU012	Chittenden East S.U.			2,858	43.71	65.39
SU026	Lamoille South S.U.			1,683	26.02	64.68
SU022	Franklin West S.U.			1,758	27.59	63.72
SU059	Essex Town S.D.			1,241	19.65	63.16
SU023	Franklin Central S.U.			2,870	45.50	63.08
SU017	Winooski S.D.			850	13.60	62.50
SU042	Washington West S.U.			2,049	32.80	62.47
SU016	South Burlington S.D.			2,591	44.18	58.65
SU005	Southwest Vermont S.U.			3,204	54.75	58.52
SU002	Addison Northwest S.U.			1,205	21.00	57.38
SU014	Chittenden South S.U.			4,365	77.36	56.42
SU037	Rutland Central S.U.			1,062	19.58	54.24
SU045	Montpelier S.D.			1,016	19.79	51.34
SU007	Colchester S.D.			2,185	42.60	51.29
SU052	Windsor Southeast S.U.			1,189	23.44	50.73
SU043	Washington South S.U.			713	14.08	50.64
SU054	Hartford S.D.			1,675	33.16	50.51
SU041	Washington Northeast S.U.			662	13.30	49.77
SU021	Franklin Northwest S.U.			2,319	46.94	49.40
SU027	Orange East S.U.			1,220	25.29	48.24
SU030	Orange - Windsor S.U.			899	18.80	47.82
SU020	Franklin Northeast S.U.			1,714	36.00	47.61
SU009	Caledonia Central S.U.			787	16.55	47.55
SU061	Barre S.U.			2,491	52.42	47.52
SU056	Springfield S.D.			1,464	32.00	45.75
SU036	Rutland Northeast S.U.			1,645	36.55	45.01
SU053	Windsor Southwest S.U.			1,042	23.15	45.01
SU029	Orange North S.U.			716	16.00	44.75
SU035	Orleans Southwest S.U.			1,131	25.40	44.53
SU034	Orleans Central S.U.			1,146	26.20	43.74
SU040	Rutland City S.D.			2,418	55.50	43.57
SU018	Essex - Caledonia S.U.			530	12.35	42.91
SU048	Windham Southeast S.U.			2,835	66.10	42.89
SU047	Windham Northeast S.U.			1,281	30.40	42.14
SU008	Caledonia North S.U.			1,059	25.70	41.21
SU031	North Country S.U.			2,790	67.80	41.15
SU032	Washington Central S.U.			1,667	40.87	40.79
SU025	Lamoille North S.U.			1,943	48.38	40.16
SU006	Bennington - Rutland S.U.			1,013	26.35	38.44
SU033	Rutland South S.U.			983	25.78	38.13
SU003	Addison Central S.U.			1,857	48.94	37.94
SU001	Addison Northeast S.U.			1,674	44.20	37.87
SU024	Grand Isle S.U.			676	17.85	37.87
SU013	Chittenden Central S.U.			2,610	70.40	37.07
SU051	Windsor Central S.U.			1,072	29.20	36.71
SU019	Essex North S.U.			212	5.80	36.55
SU011	St.Johnsbury S.D.			657	18.20	36.10
SU004	Addison - Rutland S.U.			1,470	40.83	36.00
SU028	Orange Southwest S.U.			966	27.00	35.78
SU060	Battenkill Valley S.U.			342	9.60	35.63
SU046	Windham Central S.U.			973	27.60	35.25
SU039	Rutland - Windsor S.U.			434	12.81	33.88
SU062	Rivendell Interstate S.D.			511	15.97	32.00
SU038	Rutland Southwest S.U.			657	20.60	31.89
SU049	Windham Southwest S.U.			732	24.00	30.50
SU050	Windsor Northwest S.U.			552	18.30	30.16
T999	Statewide Total			88,105	1,849.44	47.64

Listed High to Low

Subsection 3b: Central Office Administrative Staff

Table 6 lists the functions and categories of central office administrative staff in the central office used in this subsection.

Table 6: Central office administrative staff for subsection (3)

General Function	Description and Category ID	
Support Services - General Administration Function 2300	401	Superintendents
	402	Assistant Superintendents
	403	Admin. Assists., Clerical & Secretarial Support Staff
Support Services - Central Services Function 2500	601	Business Managers
	701	Admin. Assists., Clerical & Secretarial Support Staff
	702	In-service Training Staff (for non-instructional personnel)
	703	Planning, Research, & Development Staff
	704	Statistical, Data Processing & IT Staff

There were 573 central office administrative staff FTE's in FY2011. The statewide average central office administrative staff-to-student ratio is 153.6, using an enrollment of 88,105. The highest ratio of 301.77 is at the Burlington Supervisory District which consists of the central office overseeing seven public schools, an essential early education center, and an alternative high school. As a note, in supervisory districts, there is often a blurring of duties between the central office administration and the school administration.

The minimum ratio of 56.15 central office administrative staff-to-student is at the St. Johnsbury Supervisory District which consists of a single district and a pre-K – 8 public school. As noted previously, comparisons between central office administrative staff FTE's and any subsequent ratios merit caution due to the transition period of consolidating services at the S.U. level as required by Act 153.

Complete data may be found in Table 7 on the following page.

Table 7

(3)b

subsec. (3), sec. 17, Act 153

Student-to-Central Administrative Staff Ratio, FY2011

Student to Central Administrative Staff

maximum: 301.77
 median: 152.92
 average: 154.63
 minimum: -

				Data are at S.U. Level		
				Enrollment	Staff FTE S.U.-wide	Staff to Student
Statewide figures				60	59	59
				88,105	573.49	153.63
1	2	3	4	5	6	7
SU001	Addison Northeast S.U.			1,674	18.20	91.98
SU002	Addison Northwest S.U.			1,205	7.00	172.14
SU003	Addison Central S.U.			1,857	16.05	115.70
SU004	Addison - Rutland S.U.			1,470	11.13	132.08
SU005	Southwest Vermont S.U.			3,204	18.00	178.00
SU006	Bennington - Rutland S.U.			1,013	7.80	129.87
SU007	Colchester S.D.			2,185	18.10	120.72
SU008	Caledonia North S.U.			1,059	9.00	117.67
SU009	Caledonia Central S.U.			787	4.15	189.64
SU010	Milton S.D.			1,758	8.00	219.75
SU011	St.Johnsbury S.D.			657	11.70	56.15
SU012	Chittenden East S.U.			2,858	10.71	266.85
SU013	Chittenden Central S.U.			2,610	31.20	83.65
SU014	Chittenden South S.U.			4,365	27.60	158.15
SU015	Burlington S.D.			3,923	13.00	301.77
SU016	South Burlington S.D.			2,591	16.70	155.15
SU017	Winooski S.D.			850	5.00	170.00
SU018	Essex - Caledonia S.U.			530	3.75	141.33
SU019	Essex North S.U.			212	2.40	88.33
SU020	Franklin Northeast S.U.			1,714	6.92	247.69
SU021	Franklin Northwest S.U.			2,319	8.83	262.63
SU022	Franklin West S.U.			1,758	9.89	177.76
SU023	Franklin Central S.U.			2,870	14.25	201.40
SU024	Grand Isle S.U.			676	5.50	122.91
SU025	Lamoille North S.U.			1,943	17.34	112.05
SU026	Lamoille South S.U.			1,683	8.67	194.12
SU027	Orange East S.U.			1,220	7.00	174.29
SU028	Orange Southwest S.U.			966	6.30	153.33
SU029	Orange North S.U.			716	4.00	179.00
SU030	Orange - Windsor S.U.			899	5.80	155.00
SU031	North Country S.U.			2,790	16.00	174.38
SU032	Washington Central S.U.			1,667	14.00	119.07
SU033	Rutland South S.U.			983	6.66	147.60
SU034	Orleans Central S.U.			1,146	7.00	163.71
SU035	Orleans Southwest S.U.			1,131	7.50	150.80
SU036	Rutland Northeast S.U.			1,645	13.43	122.49
SU037	Rutland Central S.U.			1,062	5.50	193.09
SU038	Rutland Southwest S.U.			657	5.00	131.40
SU039	Rutland - Windsor S.U.			434	4.67	92.93
SU040	Rutland City S.D.			2,418	15.50	156.00
SU041	Washington Northeast S.U.			662	5.50	120.36
SU042	Washington West S.U.			2,049	7.20	284.58
SU043	Washington South S.U.			713	2.80	254.64
SU044	Montpelier S.D.			1,016	6.79	149.63
SU045	Windham Central S.U.			973	7.50	129.73
SU046	Windham Northeast S.U.			1,281	8.40	152.50
SU047	Windham Southeast S.U.			2,835	12.60	225.00
SU048	Windham Southwest S.U.			732	7.00	104.57
SU049	Windsor Northwest S.U.			552	6.30	87.62
SU050	Windsor Central S.U.			1,072	6.30	170.16
SU051	Windsor Southeast S.U.			1,189	7.24	164.23
SU052	Windsor Southwest S.U.			1,042	5.00	208.40
SU053	Hartford S.D.			1,675	12.62	132.73
SU054	Dresden Interstate S.D.			307	-	-
SU055	Springfield S.D.			1,464	13.10	111.76
SU056	Blue Mountain Union S.D.			453	2.50	181.20
SU057	Essex Town S.D.			1,241	8.65	143.47
SU058	Battenkill Valley S.U.			342	5.00	68.40
SU059	St.Johnsbury S.D.			2,491	12.77	195.07
SU060	Rivendell Interstate S.D.			511	6.97	73.31
T999	Statewide Total			88,105	573.49	153.63

				Data are at S.U. Level		
				Enrollment	Staff FTE S.U.-wide	Staff to Student
Statewide figures				60	59	59
				88,105	573.49	153.63
1	2	3	4	5	6	7
SU015	Burlington S.D.			3,923	13.00	301.77
SU042	Washington West S.U.			2,049	7.20	284.58
SU012	Chittenden East S.U.			2,858	10.71	266.85
SU021	Franklin Northwest S.U.			2,319	8.83	262.63
SU043	Washington South S.U.			713	2.80	254.64
SU020	Franklin Northeast S.U.			1,714	6.92	247.69
SU048	Windham Southeast S.U.			2,835	12.60	225.00
SU010	Milton S.D.			1,758	8.00	219.75
SU053	Windsor Southwest S.U.			1,042	5.00	208.40
SU023	Franklin Central S.U.			2,870	14.25	201.40
SU061	Barre S.U.			2,491	12.77	195.07
SU026	Lamoille South S.U.			1,683	8.67	194.12
SU037	Rutland Central S.U.			1,062	5.50	193.09
SU009	Caledonia Central S.U.			787	4.15	189.64
SU057	Blue Mountain Union S.D.			453	2.50	181.20
SU029	Orange North S.U.			716	4.00	179.00
SU005	Southwest Vermont S.U.			3,204	18.00	178.00
SU022	Franklin West S.U.			1,758	9.89	177.76
SU031	North Country S.U.			2,790	16.00	174.38
SU027	Orange East S.U.			1,220	7.00	174.29
SU002	Addison Northwest S.U.			1,205	7.00	172.14
SU051	Windsor Central S.U.			1,072	6.30	170.16
SU017	Winooski S.D.			850	5.00	170.00
SU052	Windsor Southeast S.U.			1,189	7.24	164.23
SU034	Orleans Central S.U.			1,146	7.00	163.71
SU014	Chittenden South S.U.			4,365	27.60	158.15
SU040	Rutland City S.D.			2,418	15.50	156.00
SU016	South Burlington S.D.			2,591	16.70	155.15
SU030	Orange - Windsor S.U.			899	5.80	155.00
SU028	Orange Southwest S.U.			966	6.30	153.33
SU047	Windham Northeast S.U.			1,281	8.40	152.50
SU035	Orleans Southwest S.U.			1,131	7.50	150.80
SU045	Montpelier S.D.			1,016	6.79	149.63
SU033	Rutland South S.U.			983	6.66	147.60
SU059	Essex Town S.D.			1,241	8.65	143.47
SU018	Essex - Caledonia S.U.			530	3.75	141.33
SU054	Hartford S.D.			1,675	12.62	132.73
SU004	Addison - Rutland S.U.			1,470	11.13	132.08
SU038	Rutland Southwest S.U.			657	5.00	131.40
SU006	Bennington - Rutland S.U.			1,013	7.80	129.87
SU046	Windham Central S.U.			973	7.50	129.73
SU024	Grand Isle S.U.			676	5.50	122.91
SU036	Rutland Northeast S.U.			1,645	13.43	122.49
SU007	Colchester S.D.			2,185	18.10	120.72
SU041	Washington Northeast S.U.			662	5.50	120.36
SU032	Washington Central S.U.			1,667	14.00	119.07
SU008	Caledonia North S.U.			1,059	9.00	117.67
SU003	Addison Central S.U.			1,857	16.05	115.70
SU025	Lamoille North S.U.			1,943	17.34	112.05
SU056	Springfield S.D.			1,464	13.10	111.76
SU049	Windham Southwest S.U.			732	7.00	104.57
SU039	Rutland - Windsor S.U.			434	4.67	92.93
SU001	Addison Northeast S.U.			1,674	18.20	91.98
SU019	Essex North S.U.			212	2.40	88.33
SU050	Windsor Northwest S.U.			552	6.30	87.62
SU013	Chittenden Central S.U.			2,610	31.20	83.65
SU062	Rivendell Interstate S.D.			511	6.97	73.31
SU060	Battenkill Valley S.U.			342	5.00	68.40
SU011	St.Johnsbury S.D.			657	11.70	56.15
SU055	Dresden Interstate S.D.			307	-	-
T999	Statewide Total			88,105	573.49	153.63

Subsection 3c: School Administrative Staff

Table 8 lists the functions and categories of school administrative staff used in this subsection.

Table 8: School administrative staff for subsection (3)

General Function	Description and Category ID	
Support Services - School Administration Function 2400	303	Title 1 Coordinators
	309	Special Education Directors
	311	Voc Education and Adult Ed Directors
	501	Principals
	502	Assistant Principals
	503	Admin. Assists., Clerical & Secretarial Support Staff
	504	Department Heads
	505	Bookkeeper

In FY2011, there were 1,276 FTE’s at school administrative level. The statewide average school administrative staff-to-student ratio is 69.1, using an enrollment of 88,105.

The highest school administrative staff-to-student ratio of 302.00 is at Blue Mountain Supervisory District. As noted before, Blue Mountain S.D. is a unified union school district and has very few administrative personnel.

The second highest ratio is at Essex Town Supervisory District (112.82 school administrative staff-to-student ratio). Again, this is a supervisory district of one town and three schools. Interestingly, the top five school administrative staff-to-student ratios are found at supervisory districts, and 7 out of the top ten are also supervisory districts. As noted before, in supervisory districts there is often a blurring of duties between school and central office administrative duties, although there are also likely efficiencies in being a single district.

The lowest school administrative staff-to-student ratio is 42.12 at Rutland Southwest Supervisory Union.

Complete data may be found in Table 9 on the following page.

Table 9

(3)c

subsec. (3), sec. 17, Act 153

Student-to-School Administrator Ratio, FY2011

Student to School Administrative Staff

maximum: 302.00
 median: 63.44
 average: 73.73
 minimum: 42.12

				Data are at S.U. Level		
				Enrollment	Staff FTE S.U.-wide	Staff to Student
Statewide figures				60	60	60
				88,105	1,275.95	69.05
1	2	3	4	5	6	7
SU001	Addison Northeast S.U.			1,674	26.00	64.38
SU002	Addison Northwest S.U.			1,205	14.00	86.07
SU003	Addison Central S.U.			1,857	32.89	56.46
SU004	Addison - Rutland S.U.			1,470	29.70	49.49
SU005	Southwest Vermont S.U.			3,204	36.75	87.18
SU006	Bennington - Rutland S.U.			1,013	18.55	54.61
SU007	Colchester S.D.			2,185	24.50	89.18
SU008	Caledonia North S.U.			1,059	16.70	63.41
SU009	Caledonia Central S.U.			787	12.40	63.47
SU010	Milton S.D.			1,758	17.00	103.41
SU011	St.Johnsbury S.D.			657	6.50	101.08
SU012	Chittenden East S.U.			2,858	33.00	86.61
SU013	Chittenden Central S.U.			2,610	39.20	66.58
SU014	Chittenden South S.U.			4,365	49.76	87.72
SU015	Burlington S.D.			3,923	46.50	84.37
SU016	South Burlington S.D.			2,591	27.48	94.29
SU017	Winooski S.D.			850	8.60	98.84
SU018	Essex - Caledonia S.U.			530	8.60	61.63
SU019	Essex North S.U.			212	3.40	62.35
SU020	Franklin Northeast S.U.			1,714	29.08	58.94
SU021	Franklin Northwest S.U.			2,319	38.11	60.85
SU022	Franklin West S.U.			1,758	17.70	99.32
SU023	Franklin Central S.U.			2,870	31.25	91.84
SU024	Grand Isle S.U.			676	12.35	54.74
SU025	Lamoille North S.U.			1,943	31.04	62.60
SU026	Lamoille South S.U.			1,683	17.35	97.00
SU027	Orange East S.U.			1,220	18.29	66.70
SU028	Orange Southwest S.U.			966	20.70	46.67
SU029	Orange North S.U.			716	12.00	59.67
SU030	Orange - Windsor S.U.			899	13.00	69.15
SU031	North Country S.U.			2,790	51.80	53.86
SU032	Washington Central S.U.			1,667	26.87	62.04
SU033	Rutland South S.U.			983	19.12	51.41
SU034	Orleans Central S.U.			1,146	19.20	59.69
SU035	Orleans Southwest S.U.			1,131	17.90	63.18
SU036	Rutland Northeast S.U.			1,645	23.12	71.15
SU037	Rutland Central S.U.			1,062	14.08	75.43
SU038	Rutland Southwest S.U.			657	15.60	42.12
SU039	Rutland - Windsor S.U.			434	8.14	53.32
SU040	Rutland City S.D.			2,418	40.00	60.45
SU041	Washington Northeast S.U.			662	7.80	84.87
SU042	Washington West S.U.			2,049	25.60	80.04
SU043	Washington South S.U.			713	11.28	63.21
SU044	Montpelier S.D.			1,016	13.00	78.15
SU045	Windham Central S.U.			973	20.10	48.41
SU046	Windham Northeast S.U.			1,281	22.00	58.23
SU047	Windham Southeast S.U.			2,835	53.50	52.99
SU048	Windham Southwest S.U.			732	17.00	43.06
SU049	Windsor Northwest S.U.			552	12.00	46.00
SU050	Windsor Central S.U.			1,072	22.90	46.81
SU051	Windsor Southeast S.U.			1,189	16.20	73.40
SU052	Windsor Southwest S.U.			1,042	18.15	57.41
SU053	Hartford S.D.			1,675	20.54	81.55
SU054	Dresden Interstate S.D.			307	3.00	102.33
SU055	Springfield S.D.			1,464	18.90	77.46
SU056	Blue Mountain Union S.D.			453	1.50	302.00
SU057	Essex Town S.D.			1,241	11.00	112.82
SU058	Milton S.D.			1,758	17.00	103.41
SU059	Dresden Interstate S.D.			307	3.00	102.33
SU060	St.Johnsbury S.D.			657	6.50	101.08
SU061	Franklin West S.U.			1,758	17.70	99.32
SU062	Winooski S.D.			850	8.60	98.84
SU063	Lamoille South S.U.			1,683	17.35	97.00
SU064	South Burlington S.D.			2,591	27.48	94.29
SU065	Franklin Central S.U.			2,870	31.25	91.84
SU066	Colchester S.D.			2,185	24.50	89.18
SU067	Chittenden South S.U.			4,365	49.76	87.72
SU068	Southwest Vermont S.U.			3,204	36.75	87.18
SU069	Chittenden East S.U.			2,858	33.00	86.61
SU070	Addison Northwest S.U.			1,205	14.00	86.07
SU071	Washington Northeast S.U.			662	7.80	84.87
SU072	Burlington S.D.			3,923	46.50	84.37
SU073	Hartford S.D.			1,675	20.54	81.55
SU074	Washington West S.U.			2,049	25.60	80.04
SU075	Montpelier S.D.			1,016	13.00	78.15
SU076	Springfield S.D.			1,464	18.90	77.46
SU077	Rutland Central S.U.			1,062	14.08	75.43
SU078	Battenkill Valley S.U.			342	4.60	74.35
SU079	Windsor Southeast S.U.			1,189	16.20	73.40
SU080	Rutland Northeast S.U.			1,645	23.12	71.15
SU081	Orange - Windsor S.U.			899	13.00	69.15
SU082	Orange East S.U.			1,220	18.29	66.70
SU083	Chittenden Central S.U.			2,610	39.20	66.58
SU084	Addison Northeast S.U.			1,674	26.00	64.38
SU085	Caledonia Central S.U.			787	12.40	63.47
SU086	Caledonia North S.U.			1,059	16.70	63.41
SU087	Washington South S.U.			713	11.28	63.21
SU088	Orleans Southwest S.U.			1,131	17.90	63.18
SU089	Barre S.U.			2,491	39.65	62.82
SU090	Lamoille North S.U.			1,943	31.04	62.60
SU091	Essex North S.U.			212	3.40	62.35
SU092	Washington Central S.U.			1,667	26.87	62.04
SU093	Essex - Caledonia S.U.			530	8.60	61.63
SU094	Franklin Northwest S.U.			2,319	38.11	60.85
SU095	Rutland City S.D.			2,418	40.00	60.45
SU096	Orleans Central S.U.			1,146	19.20	59.69
SU097	Orange North S.U.			716	12.00	59.67
SU098	Franklin Northeast S.U.			1,714	29.08	58.94
SU099	Windham Northeast S.U.			1,281	22.00	58.23
SU100	Windsor Southwest S.U.			1,042	18.15	57.41
SU101	Rivendell Interstate S.D.			511	9.00	56.78
SU102	Addison Central S.U.			1,857	32.89	56.46
SU103	Grand Isle S.U.			676	12.35	54.74
SU104	Bennington - Rutland S.U.			1,013	18.55	54.61
SU105	North Country S.U.			2,790	51.80	53.86
SU106	Rutland - Windsor S.U.			434	8.14	53.32
SU107	Windham Southeast S.U.			2,835	53.50	52.99
SU108	Rutland South S.U.			983	19.12	51.41
SU109	Addison - Rutland S.U.			1,470	29.70	49.49
SU110	Windham Central S.U.			973	20.10	48.41
SU111	Windham Central S.U.			1,072	22.90	46.81
SU112	Orange Southwest S.U.			966	20.70	46.67
SU113	Windsor Northwest S.U.			552	12.00	46.00
SU114	Windham Southwest S.U.			732	17.00	43.06
SU115	Rutland Southwest S.U.			657	15.60	42.12
T999	Statewide Total			88,105	1,275.95	69.05

				Data are at S.U. Level		
				Enrollment	Staff FTE S.U.-wide	Staff to Student
Statewide figures				60	60	60
				88,105	1,275.95	69.05
1	2	3	4	5	6	7
SU057	Blue Mountain Union S.D.			453	1.50	302.00
SU059	Essex Town S.D.			1,241	11.00	112.82
SU010	Milton S.D.			1,758	17.00	103.41
SU055	Dresden Interstate S.D.			307	3.00	102.33
SU011	St.Johnsbury S.D.			657	6.50	101.08
SU022	Franklin West S.U.			1,758	17.70	99.32
SU017	Winooski S.D.			850	8.60	98.84
SU026	Lamoille South S.U.			1,683	17.35	97.00
SU016	South Burlington S.D.			2,591	27.48	94.29
SU023	Franklin Central S.U.			2,870	31.25	91.84
SU007	Colchester S.D.			2,185	24.50	89.18
SU014	Chittenden South S.U.			4,365	49.76	87.72
SU005	Southwest Vermont S.U.			3,204	36.75	87.18
SU012	Chittenden East S.U.			2,858	33.00	86.61
SU002	Addison Northwest S.U.			1,205	14.00	86.07
SU041	Washington Northeast S.U.			662	7.80	84.87
SU015	Burlington S.D.			3,923	46.50	84.37
SU054	Hartford S.D.			1,675	20.54	81.55
SU042	Washington West S.U.			2,049	25.60	80.04
SU045	Montpelier S.D.			1,016	13.00	78.15
SU056	Springfield S.D.			1,464	18.90	77.46
SU037	Rutland Central S.U.			1,062	14.08	75.43
SU060	Battenkill Valley S.U.			342	4.60	74.35
SU052	Windsor Southeast S.U.			1,189	16.20	73.40
SU036	Rutland Northeast S.U.			1,645	23.12	71.15
SU030	Orange - Windsor S.U.			899	13.00	69.15
SU027	Orange East S.U.			1,220	18.29	66.70
SU013	Chittenden Central S.U.			2,610	39.20	66.58
SU001	Addison Northeast S.U.			1,674	26.00	64.38
SU009	Caledonia Central S.U.			787	12.40	63.47
SU008	Caledonia North S.U.			1,059	16.70	63.41
SU043	Washington South S.U.			713	11.28	63.21
SU035	Orleans Southwest S.U.			1,131	17.90	63.18
SU061	Barre S.U.			2,491	39.65	62.82
SU025	Lamoille North S.U.			1,943	31.04	62.60
SU019	Essex North S.U.			212	3.40	62.35
SU032	Washington Central S.U.			1,667	26.87	62.04
SU018	Essex - Caledonia S.U.			530	8.60	61.63
SU021	Franklin Northwest S.U.			2,319	38.11	60.85
SU040	Rutland City S.D.			2,418	40.00	60.45
SU034	Orleans Central S.U.			1,146	19.20	59.69
SU029	Orange North S.U.			716	12.00	59.67
SU020	Franklin Northeast S.U.			1,714	29.08	58.94
SU047	Windham Northeast S.U.			1,281	22.00	58.23
SU053	Windsor Southwest S.U.			1,042	18.15	57.41
SU062	Rivendell Interstate S.D.			511	9.00	56.78
SU003	Addison Central S.U.			1,857	32.89	56.46
SU024	Grand Isle S.U.			676	12.35	54.74
SU006	Bennington - Rutland S.U.			1,013	18.55	54.61
SU031	North Country S.U.			2,790	51.80	53.86
SU039	Rutland - Windsor S.U.			434	8.14	53.32
SU048	Windham Southeast S.U.			2,835	53.50	52.99
SU033	Rutland South S.U.			983	19.12	51.41
SU004	Addison - Rutland S.U.			1,470	29.70	49.49
SU046	Windham Central S.U.			973	20.10	48.41
SU051	Windham Central S.U.			1,072	22.90	46.81
SU028	Orange Southwest S.U.			966	20.70	46.67
SU050	Windsor Northwest S.U.			552	12.00	46.00
SU049	Windham Southwest S.U.			732	17.00	43.06
SU038	Rutland Southwest S.U.			657	15.60	42.12
T999	Statewide Total			88,105	1,275.95	69.05

Section 4: Licensed educator-to-student ratios

Sec. 17. STUDENT-TO-STAFF RATIOS; DATA

In order to develop meaningful proposals to determine optimal cost-effective student-to-staff ratios, the commissioner of education shall research and, on or before January 15, 2011, shall present to the senate and house committees on education the following statistics for the most recent academic year for which data is available:

- (4) licensed educator-to-student ratios at a supervisory unionwide level, without including transportation, food service, maintenance, enterprise operations, or community service operations; and

Subsection (4) of section 17 looks at the licensed educator-to-student ratios at a supervisory unionwide level. The Educator Quality division of the Department of Education provides certificates and licensure to professional educators. Table 10 is a list of the educator descriptions and categories used in this section.

Table 10: Licensed Educators for subsection (4)

Description and Category ID	
101	Preschool/PreKindergarten Teachers
102	Kindergarten Teachers
103	Elementary Teachers (Grades 1-6)
104	Secondary Teachers (Grades 7-12)
105	Teachers of Ungraded Classes (include EEE, Special Ed.)
108	Vocational Teachers
201	Attendance & Social Work Personnel
202	Guidance Counselors/Directors - Elem (Grades 1-6)
203	Guidance Counselors/Directors - Sec (Grades 7-12)
204	Nurses
302	Audiovisual & Instructional Technology Staff
303	Title 1 Coordinators
305	Curriculum Coordinators
306	EEE Directors
307	Librarians
309	Special Education Directors
311	Voc Education and Adult Ed Directors
401	Superintendents
402	Assistant Superintendents
501	Principals
502	Assistant Principals
504	Department Heads

The data used for subsection (4) calculations were extracted from the 2011 Teacher/Staff FTE and Salary Report and are from FY2011 (school year 2010 – 2011). The licensed educator categories from the report and those in Table 5 do not specify which individuals in which specific categories are licensed. Therefore, the FTE count used for the following calculations is probably somewhat overstated.

Licensed educators span a broad range from classroom teachers to principals and superintendents and to some instructional technology staff. Based on that range, licensed educator-to-student data were calculated with two groupings:

- (4)a – using all licensed educator staff; and
- (4)b – using only those categories of licensed educators used in the “Student/Teacher Ratio” section of the 2011 Teacher/Staff FTE and Salary Report.

Subsection 4a: All Licensed Educators

Table 10 above is a listing of the licensed educators used to compute the all licensed educators-to-student ratios at a supervisory unionwide level. In FY2011, there were 10,081 licensed educator FTE’s working in the Vermont public schools that had an enrollment of 88,105. The statewide average ratio for all licensed educators was 8.7 students per licensed educator. The maximum ratio was 11.14 at Lamoille South Supervisory Union and the minimum ratio was 6.62 at Windham Southwest Supervisory Union.

Complete data may be found in Table 11 on the following page.

Table 11

(4)a

subsec. (4), sec. 17, Act 153

Student-to-All Licensed Educators Ratio, FY2011

Student to All Licensed Educators

maximum: 11.14
 median: 8.54
 average: 8.64
 minimum: 6.62

				Data are at S.U. Level		
				Enrollment	Staff FTE S.U.-wide	Staff to Student
				60	60	60
Statewide figures				88,105	10,080.73	8.74
1	2	3	4	5	6	7
SU001	Addison	Northeast S.U.		1,674	194.93	8.59
SU002	Addison	Northwest S.U.		1,205	132.13	9.12
SU003	Addison	Central S.U.		1,857	218.14	8.51
SU004	Addison	- Rutland S.U.		1,470	191.01	7.70
SU005	Southwest	Vermont S.U.		3,204	364.89	8.78
SU006	Bennington	- Rutland S.U.		1,013	121.25	8.35
SU007	Colchester	S.D.		2,185	200.80	10.88
SU008	Caledonia	North S.U.		1,059	129.05	8.21
SU009	Caledonia	Central S.U.		787	91.30	8.62
SU010	Milton	S.D.		1,758	166.80	10.54
SU011	St.Johnsbury	S.D.		657	66.50	9.88
SU012	Chittenden	East S.U.		2,858	289.50	9.87
SU013	Chittenden	Central S.U.		2,610	304.90	8.56
SU014	Chittenden	South S.U.		4,365	401.93	10.86
SU015	Burlington	S.D.		3,923	425.79	9.21
SU016	South Burlington	S.D.		2,591	241.05	10.75
SU017	Winooski	S.D.		850	96.84	8.78
SU018	Essex	- Caledonia S.U.		530	64.15	8.26
SU019	Essex	North S.U.		212	31.60	6.71
SU020	Franklin	Northeast S.U.		1,714	196.81	8.71
SU021	Franklin	Northwest S.U.		2,319	270.17	8.58
SU022	Franklin	West S.U.		1,758	170.49	10.31
SU023	Franklin	Central S.U.		2,870	337.87	8.49
SU024	Grand Isle	S.U.		676	82.85	8.16
SU025	Lamoille	North S.U.		1,943	231.20	8.40
SU026	Lamoille	South S.U.		1,683	151.08	11.14
SU027	Orange	East S.U.		1,220	171.33	7.12
SU028	Orange	Southwest S.U.		966	128.40	7.52
SU029	Orange	North S.U.		716	78.10	9.17
SU030	Orange	- Windsor S.U.		899	121.90	7.37
SU031	North Country	S.U.		2,790	366.66	7.61
SU032	Washington	Central S.U.		1,667	183.99	9.06
SU033	Rutland	South S.U.		983	126.70	7.76
SU034	Orleans	Central S.U.		1,146	138.58	8.27
SU035	Orleans	Southwest S.U.		1,131	140.65	8.04
SU036	Rutland	Northeast S.U.		1,645	188.36	8.73
SU037	Rutland	Central S.U.		1,062	127.31	8.34
SU038	Rutland	Southwest S.U.		657	90.17	7.29
SU039	Rutland	- Windsor S.U.		434	59.92	7.24
SU040	Rutland	City S.D.		2,418	296.15	8.16
SU041	Washington	Northeast S.U.		662	80.70	8.20
SU042	Washington	West S.U.		2,049	221.85	9.24
SU043	Washington	South S.U.		713	76.00	9.38
SU045	Montpelier	S.D.		1,016	113.54	8.95
SU046	Windham	Central S.U.		973	112.35	8.66
SU047	Windham	Northeast S.U.		1,281	164.85	7.77
SU048	Windham	Southeast S.U.		2,835	349.45	8.11
SU049	Windham	Southwest S.U.		732	110.58	6.62
SU050	Windsor	Northwest S.U.		552	73.35	7.53
SU051	Windsor	Central S.U.		1,072	139.71	7.67
SU052	Windsor	Southeast S.U.		1,189	140.68	8.45
SU053	Windsor	Southwest S.U.		1,042	115.33	9.03
SU054	Hartford	S.D.		1,675	224.61	7.46
SU055	Dresden	Interstate S.D.		307	29.90	10.27
SU056	Springfield	S.D.		1,464	159.50	9.18
SU057	Blue Mountain	Union S.D.		453	47.20	9.60
SU059	Essex	Town S.D.		1,241	122.85	10.10
SU060	Battenkill	Valley S.U.		342	45.01	7.60
SU061	Barre	S.U.		2,491	302.57	8.23
SU062	Rivendell	Interstate S.D.		511	59.45	8.60
T999	Statewide Total			88,105	10,080.73	8.74

				Data are at S.U. Level		
				Enrollment	Staff FTE S.U.-wide	Staff to Student
				60	60	60
Statewide figures				88,105	10,080.73	8.74
1	2	3	4	5	6	7
SU026	Lamoille	South S.U.		1,683	151.08	11.14
SU007	Colchester	S.D.		2,185	200.80	10.88
SU014	Chittenden	South S.U.		4,365	401.93	10.86
SU016	South Burlington	S.D.		2,591	241.05	10.75
SU010	Milton	S.D.		1,758	166.80	10.54
SU022	Franklin	West S.U.		1,758	170.49	10.31
SU055	Dresden	Interstate S.D.		307	29.90	10.27
SU059	Essex	Town S.D.		1,241	122.85	10.10
SU011	St.Johnsbury	S.D.		657	66.50	9.88
SU012	Chittenden	East S.U.		2,858	289.50	9.87
SU057	Blue Mountain	Union S.D.		453	47.20	9.60
SU043	Washington	South S.U.		713	76.00	9.38
SU042	Washington	West S.U.		2,049	221.85	9.24
SU015	Burlington	S.D.		3,923	425.79	9.21
SU056	Springfield	S.D.		1,464	159.50	9.18
SU029	Orange	North S.U.		716	78.10	9.17
SU002	Addison	Northwest S.U.		1,205	132.13	9.12
SU032	Washington	Central S.U.		1,667	183.99	9.06
SU053	Windsor	Southwest S.U.		1,042	115.33	9.03
SU045	Montpelier	S.D.		1,016	113.54	8.95
SU017	Winooski	S.D.		850	96.84	8.78
SU005	Southwest	Vermont S.U.		3,204	364.89	8.78
SU036	Rutland	Northeast S.U.		1,645	188.36	8.73
SU020	Franklin	Northeast S.U.		1,714	196.81	8.71
SU046	Windham	Central S.U.		973	112.35	8.66
SU009	Caledonia	Central S.U.		787	91.30	8.62
SU062	Rivendell	Interstate S.D.		511	59.45	8.60
SU001	Addison	Northeast S.U.		1,674	194.93	8.59
SU021	Franklin	Northwest S.U.		2,319	270.17	8.58
SU013	Chittenden	Central S.U.		2,610	304.90	8.56
SU003	Addison	Central S.U.		1,857	218.14	8.51
SU023	Franklin	Central S.U.		2,870	337.87	8.49
SU052	Windsor	Southeast S.U.		1,189	140.68	8.45
SU025	Lamoille	North S.U.		1,943	231.20	8.40
SU006	Bennington	- Rutland S.U.		1,013	121.25	8.35
SU037	Rutland	Central S.U.		1,062	127.31	8.34
SU034	Orleans	Central S.U.		1,146	138.58	8.27
SU018	Essex	- Caledonia S.U.		530	64.15	8.26
SU061	Barre	S.U.		2,491	302.57	8.23
SU008	Caledonia	North S.U.		1,059	129.05	8.21
SU041	Washington	Northeast S.U.		662	80.70	8.20
SU040	Rutland	City S.D.		2,418	296.15	8.16
SU024	Grand Isle	S.U.		676	82.85	8.16
SU048	Windham	Southeast S.U.		2,835	349.45	8.11
SU035	Orleans	Southwest S.U.		1,131	140.65	8.04
SU047	Windham	Northeast S.U.		1,281	164.85	7.77
SU033	Rutland	South S.U.		983	126.70	7.76
SU004	Addison	- Rutland S.U.		1,470	191.01	7.70
SU051	Windsor	Central S.U.		1,072	139.71	7.67
SU031	North Country	S.U.		2,790	366.66	7.61
SU060	Battenkill	Valley S.U.		342	45.01	7.60
SU050	Windsor	Northwest S.U.		552	73.35	7.53
SU028	Orange	Southwest S.U.		966	128.40	7.52
SU054	Hartford	S.D.		1,675	224.61	7.46
SU030	Orange	- Windsor S.U.		899	121.90	7.37
SU038	Rutland	Southwest S.U.		657	90.17	7.29
SU039	Rutland	- Windsor S.U.		434	59.92	7.24
SU027	Orange	East S.U.		1,220	171.33	7.12
SU019	Essex	North S.U.		212	31.60	6.71
SU049	Windham	Southwest S.U.		732	110.58	6.62
T999	Statewide Total			88,105	10,080.73	8.74

Listed
High to Low

Subsection 4b: Licensed Classroom Educators

The 2011 Teacher/Staff FTE and Salary Report does not use all licensed educators when calculating student/teacher ratios. It uses a subset of educators more in-line with what are thought of as classroom teachers. Table 12 is a list of the educators used to calculate the licensed classroom educator-to-student ratios. It is understood that the list is not a comprehensive list of all classroom teachers. Therefore, the results should be considered and used judiciously.

Table 12: Licensed Classroom Educators for subsection (4)

Description and Category ID	
101	Preschool/PreKindergarten Teachers
102	Kindergarten Teachers
103	Elementary Teachers (Grades 1-6)
104	Secondary Teachers (Grades 7-12)
105	Teachers of Ungraded Classes (include EEE, Special Ed.)
309	Special Education Directors
504	Department Heads

In FY2011, there were 8,239 FTE’s in the category considered to be licensed classroom educators for this section. This resulted in a statewide average licensed classroom educator-to-student ratio of 10.7, using an enrollment of 88,105.

The supervisory union with the largest licensed classroom educator-to-student ratio was Lamoille South S.U. with a ratio of 13.08. The supervisory union with the lowest ratio was Windham Southwest S.U. at a ratio of 8.20 students per licensed classroom educator.

Complete data may be found in Table 13 on the following page.

Table 13

(4)b

subsec. (4), sec. 17, Act 153

Student-to-Licensed Classroom Educators Ratio, FY2011

Student to Licensed Classroom Educators

		Data are at S.U. Level		
		Enrollment	Staff FTE S.U.-wide	Staff to Student
		60	60	60
Statewide figures		88,105	8,238.59	10.69
1	2	3	4	5
SU001	Addison Northeast S.U.	1,674	164.77	10.16
SU002	Addison Northwest S.U.	1,205	112.23	10.74
SU003	Addison Central S.U.	1,857	179.69	10.33
SU004	Addison - Rutland S.U.	1,470	152.82	9.62
SU005	Southwest Vermont S.U.	3,204	308.59	10.38
SU006	Bennington - Rutland S.U.	1,013	103.95	9.75
SU007	Colchester S.D.	2,185	167.70	13.03
SU008	Caledonia North S.U.	1,059	109.10	9.71
SU009	Caledonia Central S.U.	787	76.80	10.25
SU010	Milton S.D.	1,758	148.05	11.87
SU011	St.Johnsbury S.D.	657	57.50	11.43
SU012	Chittenden East S.U.	2,858	236.70	12.07
SU013	Chittenden Central S.U.	2,610	211.00	12.37
SU014	Chittenden South S.U.	4,365	344.23	12.68
SU015	Burlington S.D.	3,923	351.74	11.15
SU016	South Burlington S.D.	2,591	207.75	12.47
SU017	Winooski S.D.	850	79.34	10.71
SU018	Essex - Caledonia S.U.	530	52.20	10.15
SU019	Essex North S.U.	212	24.65	8.60
SU020	Franklin Northeast S.U.	1,714	153.60	11.16
SU021	Franklin Northwest S.U.	2,319	225.99	10.26
SU022	Franklin West S.U.	1,758	149.14	11.79
SU023	Franklin Central S.U.	2,870	271.50	10.57
SU024	Grand Isle S.U.	676	68.35	9.89
SU025	Lamoille North S.U.	1,943	173.17	11.22
SU026	Lamoille South S.U.	1,683	128.63	13.08
SU027	Orange East S.U.	1,220	122.99	9.92
SU028	Orange Southwest S.U.	966	91.75	10.53
SU029	Orange North S.U.	716	59.50	12.03
SU030	Orange - Windsor S.U.	899	98.10	9.16
SU031	North Country S.U.	2,790	294.21	9.48
SU032	Washington Central S.U.	1,667	151.39	11.01
SU033	Rutland South S.U.	983	102.98	9.55
SU034	Orleans Central S.U.	1,146	117.78	9.73
SU035	Orleans Southwest S.U.	1,131	113.20	9.99
SU036	Rutland Northeast S.U.	1,645	159.58	10.31
SU037	Rutland Central S.U.	1,062	103.95	10.22
SU038	Rutland Southwest S.U.	657	73.48	8.94
SU039	Rutland - Windsor S.U.	434	48.50	8.95
SU040	Rutland City S.D.	2,418	228.30	10.59
SU041	Washington Northeast S.U.	662	68.10	9.72
SU042	Washington West S.U.	2,049	187.45	10.93
SU043	Washington South S.U.	713	62.05	11.49
SU045	Montpelier S.D.	1,016	97.54	10.42
SU046	Windham Central S.U.	973	92.19	10.55
SU047	Windham Northeast S.U.	1,281	137.20	9.34
SU048	Windham Southeast S.U.	2,835	282.45	10.04
SU049	Windham Southwest S.U.	732	89.30	8.20
SU050	Windsor Northwest S.U.	552	61.95	8.91
SU051	Windsor Central S.U.	1,072	116.67	9.19
SU052	Windsor Southeast S.U.	1,189	115.50	10.29
SU053	Windsor Southwest S.U.	1,042	93.30	11.17
SU054	Hartford S.D.	1,675	176.11	9.51
SU055	Dresden Interstate S.D.	307	24.90	12.33
SU056	Springfield S.D.	1,464	133.50	10.97
SU057	Blue Mountain Union S.D.	453	40.20	11.27
SU059	Essex Town S.D.	1,241	96.17	12.90
SU060	Battenkill Valley S.U.	342	39.00	8.77
SU061	Barre S.U.	2,491	251.16	9.92
SU062	Rivendell Interstate S.D.	511	48.95	10.44
T999	Statewide Total	88,105	8,238.59	10.69

		Data are at S.U. Level		
		Enrollment	Staff FTE S.U.-wide	Staff to Student
		60	60	60
Statewide figures		88,105	8,238.59	10.69
1	2	3	4	5
SU026	Lamoille South S.U.	1,683	128.63	13.08
SU007	Colchester S.D.	2,185	167.70	13.03
SU059	Essex Town S.D.	1,241	96.17	12.90
SU014	Chittenden South S.U.	4,365	344.23	12.68
SU016	South Burlington S.D.	2,591	207.75	12.47
SU013	Chittenden Central S.U.	2,610	211.00	12.37
SU055	Dresden Interstate S.D.	307	24.90	12.33
SU012	Chittenden East S.U.	2,858	236.70	12.07
SU029	Orange North S.U.	716	59.50	12.03
SU010	Milton S.D.	1,758	148.05	11.87
SU022	Franklin West S.U.	1,758	149.14	11.79
SU043	Washington South S.U.	713	62.05	11.49
SU011	St.Johnsbury S.D.	657	57.50	11.43
SU057	Blue Mountain Union S.D.	453	40.20	11.27
SU025	Lamoille North S.U.	1,943	173.17	11.22
SU053	Windsor Southwest S.U.	1,042	93.30	11.17
SU020	Franklin Northeast S.U.	1,714	153.60	11.16
SU015	Burlington S.D.	3,923	351.74	11.15
SU032	Washington Central S.U.	1,667	151.39	11.01
SU056	Springfield S.D.	1,464	133.50	10.97
SU042	Washington West S.U.	2,049	187.45	10.93
SU002	Addison Northwest S.U.	1,205	112.23	10.74
SU017	Winooski S.D.	850	79.34	10.71
SU040	Rutland City S.D.	2,418	228.30	10.59
SU023	Franklin Central S.U.	2,870	271.50	10.57
SU046	Windham Central S.U.	973	92.19	10.55
SU028	Orange Southwest S.U.	966	91.75	10.53
SU062	Rivendell Interstate S.D.	511	48.95	10.44
SU045	Montpelier S.D.	1,016	97.54	10.42
SU005	Southwest Vermont S.U.	3,204	308.59	10.38
SU003	Addison Central S.U.	1,857	179.69	10.33
SU036	Rutland Northeast S.U.	1,645	159.58	10.31
SU052	Windsor Southeast S.U.	1,189	115.50	10.29
SU021	Franklin Northwest S.U.	2,319	225.99	10.26
SU009	Caledonia Central S.U.	787	76.80	10.25
SU037	Rutland Central S.U.	1,062	103.95	10.22
SU001	Addison Northeast S.U.	1,674	164.77	10.16
SU018	Essex - Caledonia S.U.	530	52.20	10.15
SU048	Windham Southeast S.U.	2,835	282.45	10.04
SU035	Orleans Southwest S.U.	1,131	113.20	9.99
SU061	Barre S.U.	2,491	251.16	9.92
SU027	Orange East S.U.	1,220	122.99	9.92
SU024	Grand Isle S.U.	676	68.35	9.89
SU006	Bennington - Rutland S.U.	1,013	103.95	9.75
SU034	Orleans Central S.U.	1,146	117.78	9.73
SU041	Washington Northeast S.U.	662	68.10	9.72
SU008	Caledonia North S.U.	1,059	109.10	9.71
SU004	Addison - Rutland S.U.	1,470	152.82	9.62
SU033	Rutland South S.U.	983	102.98	9.55
SU054	Hartford S.D.	1,675	176.11	9.51
SU031	North Country S.U.	2,790	294.21	9.48
SU047	Windham Northeast S.U.	1,281	137.20	9.34
SU051	Windsor Central S.U.	1,072	116.67	9.19
SU030	Orange - Windsor S.U.	899	98.10	9.16
SU039	Rutland - Windsor S.U.	434	48.50	8.95
SU038	Rutland Southwest S.U.	657	73.48	8.94
SU050	Windsor Northwest S.U.	552	61.95	8.91
SU060	Battenkill Valley S.U.	342	39.00	8.77
SU019	Essex North S.U.	212	24.65	8.60
SU049	Windham Southwest S.U.	732	89.30	8.20
T999	Statewide Total	88,105	8,238.59	10.69

Section 5: Total Expenditures for Transportation, Food Service, Maintenance, Enterprise Operations, and Community Service Operations

Sec. 17. STUDENT-TO-STAFF RATIOS; DATA

In order to develop meaningful proposals to determine optimal cost-effective student-to-staff ratios, the commissioner of education shall research and, on or before January 15, 2011, shall present to the senate and house committees on education the following statistics for the most recent academic year for which data is available:

- (5) total expenditures, at both the supervisory unionwide and statewide levels, of transportation, food service, maintenance, enterprise operations, or community service operations, with a breakdown of contractual services and services provided by the supervisory union or school district.

Subsection (5) of section 17 aggregates expenditures for maintenance, transportation, food service, enterprise operations, and community service operations at a supervisory unionwide level. Data for these categories were from expenditure data in the FY2011 Summary of the Annual Statistical Reports of Schools. A brief summary of what functions and programs were used is shown in Table 14.

Table 14: Maintenance, Transportation, Food Service, Enterprise Operations, and Community Service Operations Descriptions

Category	Function or Program	Description
Maintenance	F2600	Operation and maintenance of the plant including grounds, building, and equipment
Transportation	F2711, 2712, and 2720	Transportation of students and non-resident students and co-and extra-curricular activities
Food Service	P910	Providing food services to students and staff
Enterprise Operations	F3200	Activities financed primarily through user charges
Community Services	P800	Activities providing community services to students, staff, or community participants; excludes adult education services

Complete data may be found in Table 15 on the following page.

Table 15
Supervisory Unionwide Expenditures, FY2011

(5)

subsec. (5), sec. 17, Act 153

Supervisory Unionwide Expenditures

F2600 Maintenance
F2700 Transportation
P910 Food Service Operations
F3200 Enterprise Operations
P800 Community Service

				Data at Supervisory Unionwide Level				
				Maintenance F2600	Transportation F2700	Food Service P910	Enterprise Operations F3200	Community Service P800
				59	60	59	5	16
Statewide figures				130,110,780	58,257,499	42,577,365	679,216	10,346,835
1	2	3	4	5	6	7	8	9
SU001	Addison Northeast S.U.			2,106,008	1,025,067	1,106,224	-	11,509
SU002	Addison Northwest S.U.			1,574,254	990,235	106,348	-	-
SU003	Addison Central S.U.			2,944,999	1,001,934	839,921	-	-
SU004	Addison - Rutland S.U.			2,049,521	1,228,964	630,405	-	-
SU005	Southwest Vermont S.U.			4,498,146	1,664,321	1,614,107	-	-
SU006	Bennington - Rutland S.U.			1,213,752	911,626	504,420	-	179,159
SU007	Colchester S.D.			3,290,199	1,062,505	1,070,694	-	-
SU008	Caledonia North S.U.			1,308,426	796,078	544,231	-	-
SU009	Caledonia Central S.U.			1,083,308	487,939	404,449	-	-
SU010	Milton S.D.			2,647,413	800,468	502,038	-	-
SU011	St.Johnsbury S.D.			718,009	403,981	484,798	-	-
SU012	Chittenden East S.U.			3,664,244	3,677,362	1,345,653	-	-
SU013	Chittenden Central S.U.			4,281,011	686,319	1,512,436	101,110	1,696,993
SU014	Chittenden South S.U.			4,186,266	4,740,948	2,883,185	-	-
SU015	Burlington S.D.			6,896,399	678,603	2,574,571	-	1,012,044
SU016	South Burlington S.D.			3,384,940	1,541,407	1,201,096	567,549	518,518
SU017	Winooski S.D.			1,052,494	108,234	548,012	-	-
SU018	Essex - Caledonia S.U.			821,495	442,965	302,170	-	-
SU019	Essex North S.U.			322,082	257,473	124,098	-	-
SU020	Franklin Northeast S.U.			2,288,456	1,156,694	898,004	-	1,486
SU021	Franklin Northwest S.U.			2,889,177	1,572,132	1,185,481	-	-
SU022	Franklin West S.U.			1,562,496	1,030,495	89,396	-	-
SU023	Franklin Central S.U.			3,439,431	1,272,592	1,315,682	-	-
SU024	Grand Isle S.U.			1,069,244	621,028	332,033	-	-
SU025	Lamoille North S.U.			2,817,881	1,775,515	1,020,436	1,577	278,232
SU026	Lamoille South S.U.			1,836,250	742,345	576,763	-	-
SU027	Orange East S.U.			2,356,198	1,211,338	617,980	-	-
SU028	Orange Southwest S.U.			3,272,437	737,726	529,965	-	-
SU029	Orange North S.U.			976,594	374,048	11,000	-	-
SU030	Orange - Windsor S.U.			1,463,604	801,759	513,614	-	-
SU031	North Country S.U.			4,221,377	2,322,363	1,000,400	-	-
SU032	Washington Central S.U.			2,418,153	1,118,511	948,885	-	1,739,312
SU033	Rutland South S.U.			1,736,703	594,740	452,099	-	30,067
SU034	Orleans Central S.U.			1,738,928	925,310	714,952	-	-
SU035	Orleans Southwest S.U.			1,492,946	880,507	625,039	-	-
SU036	Rutland Northeast S.U.			2,118,157	2,000,246	684,178	-	347,820
SU037	Rutland Central S.U.			1,446,933	394,095	447,182	-	-
SU038	Rutland Southwest S.U.			1,164,195	400,261	305,959	-	-
SU039	Rutland - Windsor S.U.			981,736	193,242	176,486	-	-
SU040	Rutland City S.D.			4,741,151	953,444	1,100,348	-	-
SU041	Washington Northeast S.U.			873,505	483,180	298,765	-	80,380
SU042	Washington West S.U.			2,949,281	1,050,766	1,067,783	-	-
SU043	Washington South S.U.			1,167,501	441,183	390,363	-	-
SU045	Montpelier S.D.			1,695,878	250,436	489,041	-	-
SU046	Windham Central S.U.			1,381,497	1,077,076	440,373	-	615
SU047	Windham Northeast S.U.			2,445,834	871,319	698,339	-	152,478
SU048	Windham Southeast S.U.			5,222,545	1,722,217	1,554,288	-	4,108,778
SU049	Windham Southwest S.U.			1,077,429	793,938	443,908	-	-
SU050	Windsor Northwest S.U.			792,179	605,575	350,508	-	-
SU051	Windsor Central S.U.			2,551,313	653,388	646,236	-	-
SU052	Windsor Southeast S.U.			1,725,147	833,577	524,704	-	-
SU053	Windsor Southwest S.U.			1,884,425	1,130,289	470,742	-	-
SU054	Hartford S.D.			2,640,328	770,234	466,921	-	-
SU055	Dresden Interstate S.D.			315,928	247,620	15,013	-	-
SU056	Springfield S.D.			2,818,403	674,316	604,452	-	187,082
SU057	Blue Mountain Union S.D.			-	352,577	-	-	-
SU059	Essex Town S.D.			1,462,726	721,870	535,052	7,635	2,362
SU060	Battenkill Valley S.U.			597,930	155,521	177,088	-	-
SU061	Barre S.U.			3,552,974	1,462,472	1,330,653	1,345	-
SU062	Rivendell Interstate S.D.			880,944	375,125	228,398	-	-
T999	Statewide Total			130,110,780	58,257,499	42,577,365	679,216	10,346,835

A breakdown of contractual services and those services provided by supervisory union or school districts was not obtained directly from the supervisory unions or school districts. However, data for some broad categories can be provided based on expenditure data from the FY2011 Summary of the Annual Statistical Reports of Schools as seen in Table 16.

Table 16: Estimates of Purchased Services as Contractual Services

Object Code	Description	Amount	Count
331	Purchased professional or technical services - S.U. assessments	808,486	19
	at S.U.	-	-
	at LEA	808,486	19
332	Purchased professional or technical services - from an S.U.	2,603,534	34
	at S.U.	-	-
	at LEA	2,603,534	34
3XX	Purchased professional or technical services - not purchased from an S.U.	14,364,680	217
	at S.U.	2,901,899	30
	at LEA	11,462,781	187
450	Construction services for construction, renovating, remodeling, and improvement of sites paid to contractors	1,992,444	37
	at S.U.	35,828	2
	at LEA	1,956,616	35
4XX	Purchased property services for operation, repair, or maintenance of property owned by LEA that are not construction services	26,571,402	289
	at S.U.	2,052,445	39
	at LEA	24,518,957	250
511	Student transportation services purchased from another Vermont public LEA	5,190,054	52
	at S.U.	79,641	3
	at LEA	5,110,413	49
512	Student transportation services purchased from an independent or non-Vermont public school	355,254	11
	at S.U.	27,696	3
	at LEA	327,558	8
519	Student transportation services purchased private or public carriers or individuals	24,629,379	200
	at S.U.	502,644	19
	at LEA	24,126,736	181
	Grand Total	76,515,233	328
	at S.U.	5,600,153	45
	at LEA	70,915,080	283

It can be seen from the data in Table 16 that the vast majority of purchased services are at the school district level. It should be noted that all business managers may not interpret the programs, functions, and objects in the annual statistical collection in the same fashion.

Summary

Data comparisons between supervisory unions regarding the number of personnel and expenditures in various categories as well as total expenditures is difficult in Vermont. The 48 supervisory unions and 112 supervisory districts offer a different range of services at the supervisory level. A supervisory union that offers few services to its member school districts will not require as many personnel nor as large an expenditure budget as would a supervisory union of similar size but that offers more services at the S.U. level.

Sec. 9 of Act 153 of 2010 requires supervisory unions to consolidate more services at the supervisory level. FY2011, which covers the data in this report, is the first year of transition for that mandate. Supervisory unions throughout the state are beginning the process of consolidating services but at different rates. When combining those differing rates with the different starting points as to what services are offered where, comparing any given supervisory union with any other can present problems and drawing decisive conclusions is difficult. However, when the transition period of sec. 9 of Act 153 is over, comparisons between supervisory unions should be more accurate.