



Simplified Example of Pupil Weighting and Equalization

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Equalization Example

Let's take a simplified case of 11 districts.

District	Long-term Average Daily Membership (ADM)
A	144
B	553
C	245
D	940
E	603
F	542
G	977
H	609
I	474
J	610
K	743
Total	6,440

Equalization Example

Certain students within the district receive a higher weight. Hypothetical weights are identified below.

District	Long-term Average Daily Membership (ADM)	Additional Weighted Students
A	144	5
B	553	-2
C	245	-3
D	940	156
E	603	6
F	542	191
G	977	247
H	609	91
I	474	38
J	610	378
K	743	140
Total	6,440	1,246

*Example- each secondary student receives an additional weight of 13%: 100 secondary students equals 13 additional weighted students (13%*100).

Equalization Example

On account of the additional weights the long-term average daily membership increases by 1,246.

District	Long-term Average Daily Membership (ADM)	Additional Weighted Students	Weighted Long-Term ADM
A	144	5	149
B	553	-2	551
C	245	-3	242
D	940	156	1,096
E	603	6	609
F	542	191	733
G	977	247	1,224
H	609	91	700
I	474	38	512
J	610	378	988
K	743	140	883
Total	6,440	1,246	7,686

Equalization Example

Recall, there are only 6,440 students in the State so a factor, the equalization ratio, is used to deflate the weighted population back to the actual “physical” student population.

District	Long-term Average Daily Membership (ADM)	Additional Weighted Students	Weighted Long-Term ADM
A	144	5	149
B	553	-2	551
C	245	-3	242
D	940	156	1,096
E	603	6	609
F	542	191	733
G	977	247	1,224
H	609	91	700
I	474	38	512
J	610	378	988
K	743	140	883
Total	6,440	1,246	7,686

$$\text{Equalization Ratio} = \frac{LT ADM_{\text{Unweighted}}}{LT ADM_{\text{weighted}}} = \frac{6,440}{7,686} = .8379$$

Equalization Example

Applying equalization factor to the weighted long-term ADM the student population is returned to its original size and equalized pupils are determined.

District	Long-term Average Daily Membership (ADM)	Weighted Long-Term ADM	Equalized Pupils (EP)	Difference Between ADM and EP
A	144	149	125	-19
B	553	551	462	-91
C	245	242	203	-42
D	940	1,096	918	-22
E	603	609	510	-93
F	542	733	614	72
G	977	1,224	1,026	49
H	609	700	586	-23
I	474	512	429	-45
J	610	988	828	218
K	743	883	740	-3
Total	6,440	7,686	6,440	0

$$\text{Equalization Ratio} = \frac{LT ADM_{Unweighted}}{LT ADM_{weighted}} = \frac{6,440}{7,686} = .8379$$

Equalized Tax Rates

The districts equalized pupil count is used to determine tax rates.

District	Education Spending Budget	Equalized Pupils (EP)	Education Spending/EP	Tax Rate (Hypothetical Yield of \$10,000)
A-1	1,875,000	125	\$15,000	1.50
A-2	1,875,000	150	\$12,500	1.25
A-3	1,875,000	100	\$18,750	1.88

$$\text{Education Spending per Equalized Pupil} = \frac{\text{Education Spending}}{\text{Equalized Pupil}} = \frac{\$1.875M}{125} = \$15,000$$

$$\text{Equalized Tax Rate} = \frac{\text{Education Spending per EP}}{\text{Yield}} = \frac{\$15,000}{\$10,000} = \$1.50$$



Part 2 - How are additional weighted pupils calculated?

Additional Weights Example

Let's take a look at how additional weights are calculated.

Step 1. Determine long-term average daily membership

- ADM is the number of full time equivalent (FTE) students whose education is paid for by the district from the 11th day through the 30th day of the school year.
- A half-time student would be counted as 0.5 FTE
- A two year average of ADM is used

District	EEE/pre-k	Elementary	Secondary	State Placed Students - Elementary	State Placed Students - Secondary	Total Unweighted LT ADM
D	421	1970	1825	4	2	4221

Additional Weights Example

Grade Weighting

Step 2. Apply grade specific weighting

- EEE/Pre-k students receive a weight of 0.46
- Elementary students equal 1.0
- Secondary (7-12) students are counted as 1.13

District D	EEE/pre-k	Elementary	Secondary	State Placed Students - Elementary	State Placed Students - Secondary	Total <u>Grade</u> weighted LT ADM
<i>Weights</i>	0.46	1	1.13	1	1.13	
LT ADM	421	1970	1825	4	2	4222
Grade Weight	193.7	1970.0	2062.3	4.0	2.3	4232.2

Additional Weights Example

Poverty Weighting

Step 3. Apply weight for economically disadvantaged students

- The percentage of economically disadvantage students is determine for each district
- The percentage is applied to the grade-weighted ADM
- Each economically disadvantaged grade weighted student receives an additional weight of 0.25

District	Total <u>Grade</u> Weighted LT ADM	Percentage of Economically Disadvantaged Students	Grade Weighted LT ADM in Poverty	Additional Poverty Weight
<i>Weights</i>				0.25
D	4232.2	50%	2116.1	264.5

Additional Weights Example

English Language Learner (ELL) Weighting

Step 4. Apply weight for ELL students

- The number of ELL students is determined for each district
- Each ELL student receives an additional weight of 0.20

District	Number of ELL ADM	Additional ELL Weight
<i>Weights</i>		<i>0.20</i>
D	300	60

Additional Weights Example

Total Long-term Weighted ADM and Equalized Pupils

Step 6. Add them up!

- Add up all additional weights to determine total weighted LT ADM
- Apply statewide equalization ratio to determine equalized pupils

District	Grade Weighted LT ADM	Additional Poverty Weight	Additional ELL Weight	Total Weighted LT ADM	Equalization Ratio	Equalized Pupils (EP)
D	4232.2	264.5	60	4556.7	0.93	4237.1