2017 ESSA School Index and Indicator Summary Statistics

Final Calculations Based on Approved ESSA Plan

030618

Specific Updates to the 2017 ESSA School Index Calculations

- 2016 Five-Year Adjusted Cohort Graduation Rate (ACGR)—updated student table to include the corrections posted to the 2015 Four-Year ACGR. If the 2016 Five-Year ACGR was not higher than the 2015 Four-Year ACGR the 2015 Four-Year ACGR was used at 5% weight in place of the 2016 Five-Year ACGR.

- School Quality and Student Success Indicator Components:
  - Updated Student Engagement/Chronic Absence to include only those students enrolled in a school 10 or more days and if enrolled in multiple schools for 10 or more days the Chronic Absence Risk level is applied to all schools in which the student was enrolled 10 or more days.
  - Clarified list of Computer Science Credits that count in SQSS
  - Updated ACT Composite and ACT Readiness Benchmark indicator to include all full academic year students active in Cycle 7 Grade 12, not just those that matched a test.
  - Updated school mobile status of students to match post-appeals mobile status for Reading achievement, science achievement and science growth

ESSA School Index Score: All Students

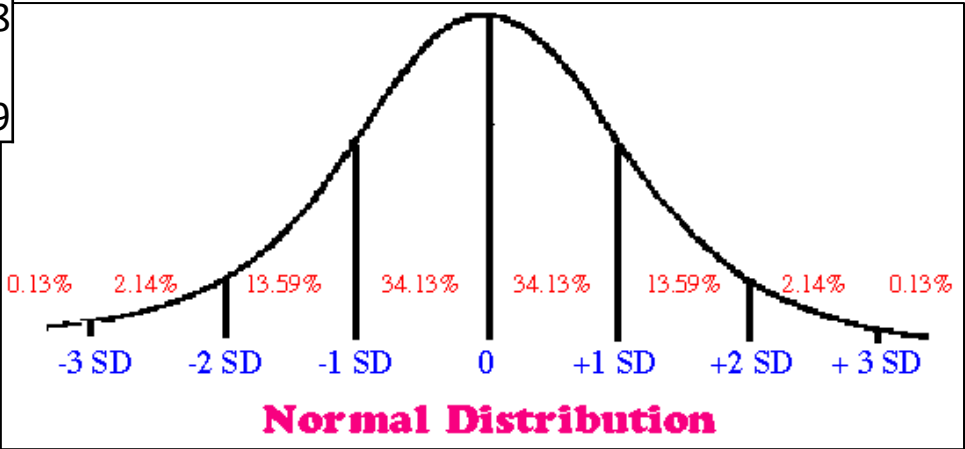|	N	Mean	Std Dev	Minimum	Maximum
1 - Elementary Level	536	72.29	7.53	52.11	91.05
2 - Middle Level	205	72.59	7.54	46.50	89.12
3 - High School Level	309	67.43	7.88	31.13	98.30
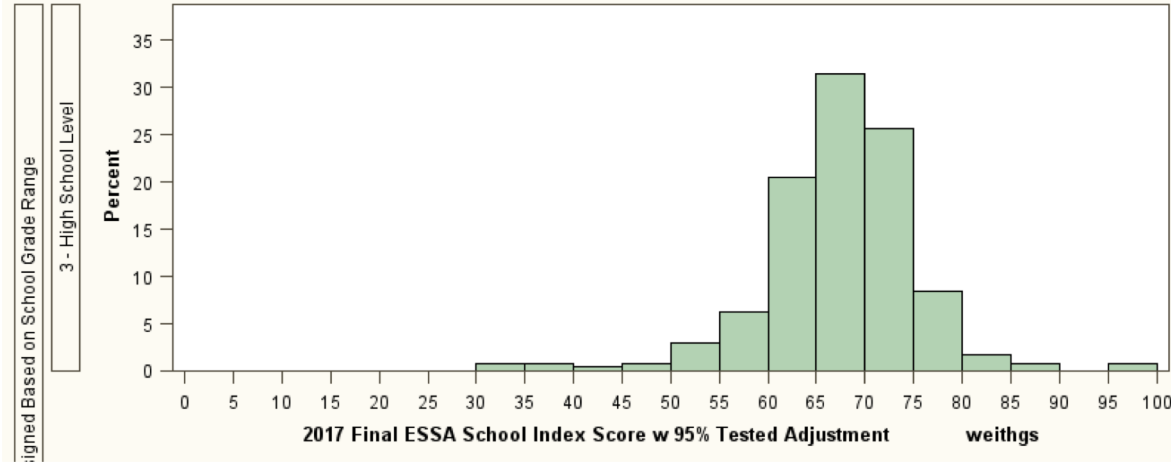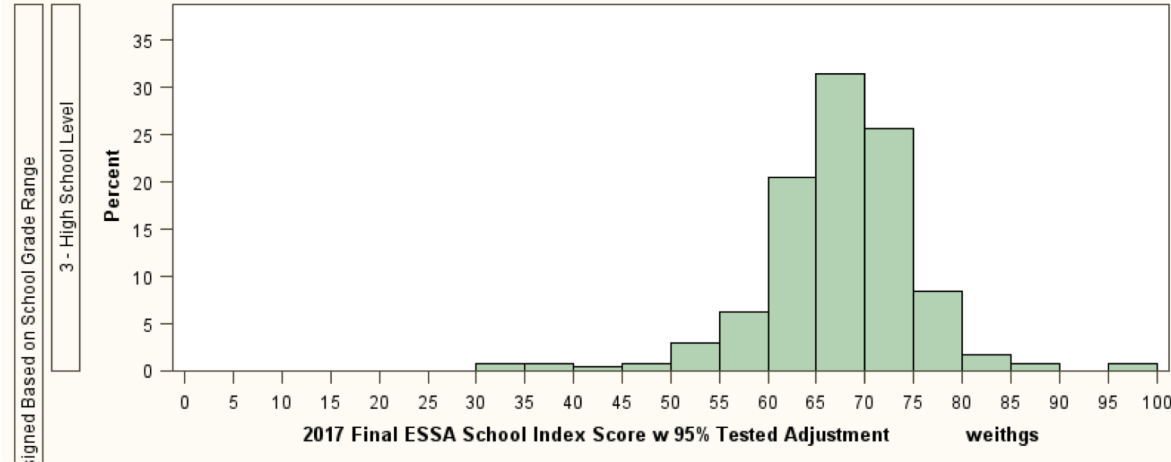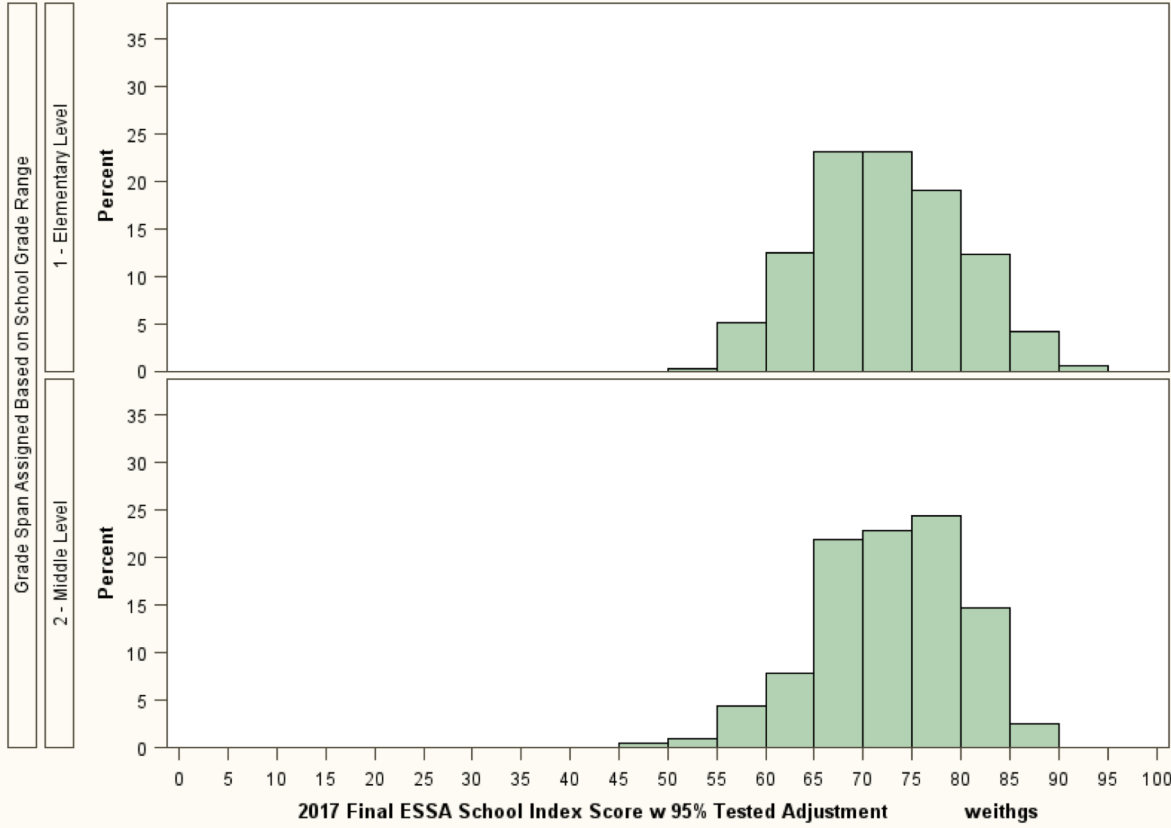
ESSA School Index Score: Statistical Markers for Distributions by Grade Span*

Grade_Span	P_5	P_10	P_15	P_20	P_25	P_30	P_35	P_40	P_45	P_50	P_55	P_60	P_65	P_70	P_75	P_80	P_85	P_90	P_95
1 - Elementary Level	59.86	62.65	64.45	65.82	67.15	68.05	69.05	69.82	70.74	72.15	72.99	73.920	75.23	76.43	77.735	79.25	80.47	82.08	84.79
2 - Middle Level	58.90	62.34	65.30	66.49	67.31	68.46	69.89	70.78	71.94	72.66	74.09	75.425	76.61	77.17	77.710	79.13	80.30	82.25	84.15
3 - High School Level	54.51	59.52	60.98	62.45	63.61	64.47	65.65	66.52	67.57	68.13	68.75	69.410	70.11	70.81	71.330	72.64	74.18	75.85	78.33

	-2 SD	-1.5 SD	-1 SD	-0.5 SD	Mean	0.5 SD	1.0 SD	1.5 SD	2.0 SD
1-Elementary	57.18	60.99	64.81	68.62	72.44	76.26	80.07	83.89	87.70
2-Middle	57.23	60.98	64.72	68.46	72.21	75.95	79.70	83.44	87.18
3-High School	51.47	55.35	59.22	63.10	66.98	70.86	74.74	78.62	82.49

0.13%   2.14%   13.59%   34.13%   34.13%   13.59%   2.14%   0.13%

-3 SD   -2 SD   -1 SD   0   +1 SD   +2 SD   + 3 SD

Normal Distribution

*Percentiles are calculated for all schools in the grade span including schools participating in Title I and schools not participating or not eligible.

Weighted Achievement: Means and Variation by Grade Span

|	N	Mean	Std Dev	Minimum	Maximum
1 - Elementary Level	536	67.10	14.98	26.20	105.36
2 - Middle Level	205	69.15	15.88	11.50	104.16
3 - High School Level	309	52.91	15.73	1.94	117.57
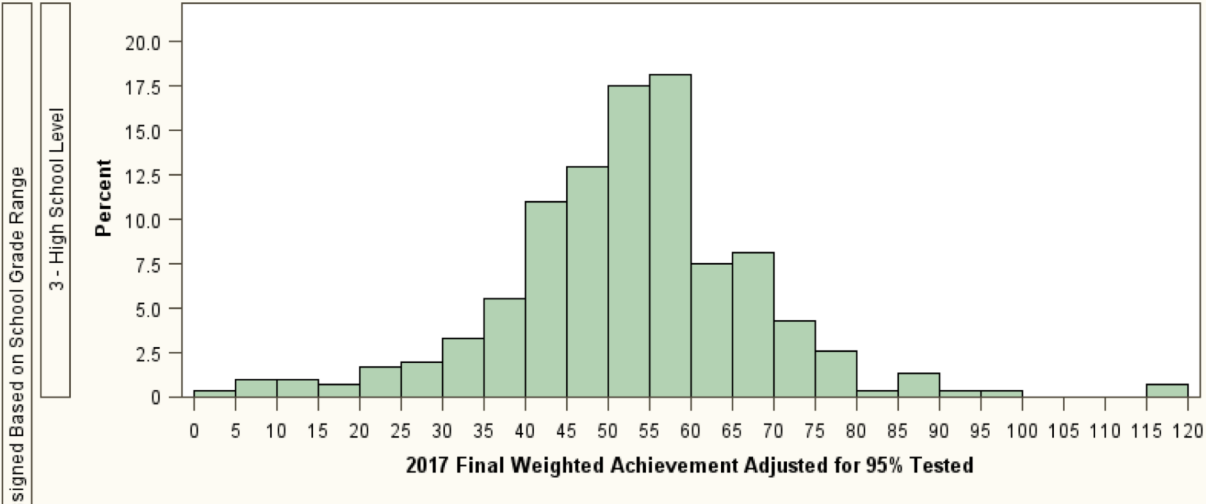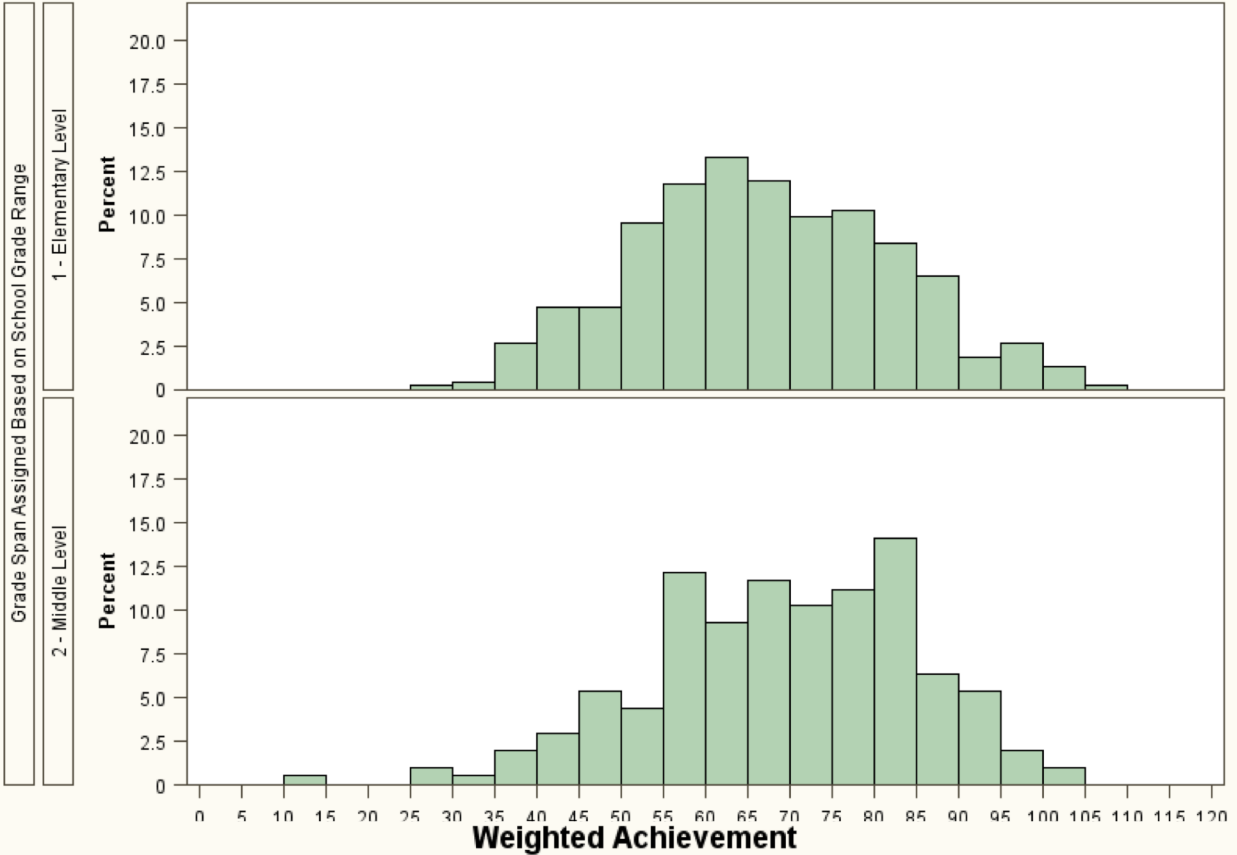
Weighted Achievement: Statistical Markers for Distributions by Grade Span

Grade Span	P_5	P_10	P_15	P_20	P_25	P_30	P_35	P_40	P_45	P_50	P_55	P_60	P_65	P_70	P_75	P_80	P_85	P_90	P_95
1 - Elementary Level	42.74	47.91	51.92	54.340	56.95	58.94	60.51	62.50	64.42	65.865	68.26	70.920	73.38	75.69	77.645	80.55	83.52	86.38	93.79
2 - Middle Level	41.43	48.53	52.99	55.845	58.33	60.20	63.20	66.32	68.45	70.250	73.16	75.245	77.03	78.97	80.940	82.97	84.86	88.89	91.85
3 - High School Level	26.41	35.06	39.65	42.930	44.61	46.47	47.80	50.30	52.22	53.200	54.58	55.880	57.44	58.42	60.420	64.24	66.88	69.79	76.53

	-2 SD	-1.5 SD	-1 SD	-0.5 SD	Mean	0.5 SD	1.0 SD	1.5 SD	2.0 SD
1-Elementary	37.14	44.63	52.12	59.61	67.10	74.59	82.08	89.57	97.06
2-Middle	37.39	45.33	53.27	61.21	69.15	77.09	85.03	92.97	100.91
3-High School	21.45	29.32	37.18	45.05	52.91	60.78	68.64	76.51	84.37

School Value-Added Growth: Means and Variation by Grade Span

	N	Mean	Std Dev	Minimum	Maximum
1 - Elementary Level	536	80.26	3.97	70.18	89.66
2 - Middle Level	205	80.40	2.72	70.52	86.48
3 - High School Level	309	79.84	2.53	72.23	86.57

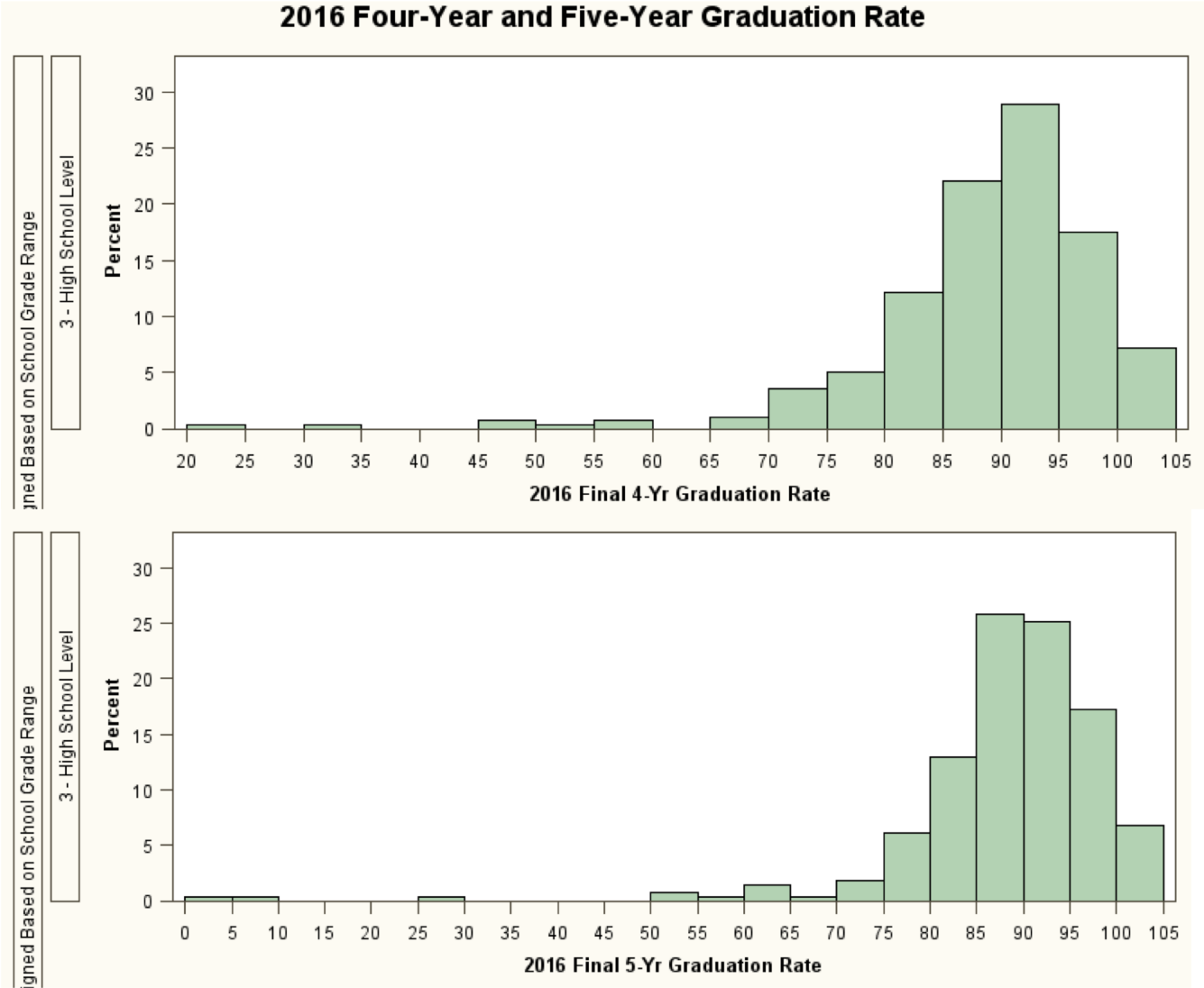2017 Value-Added Content and ELP Growth Scores
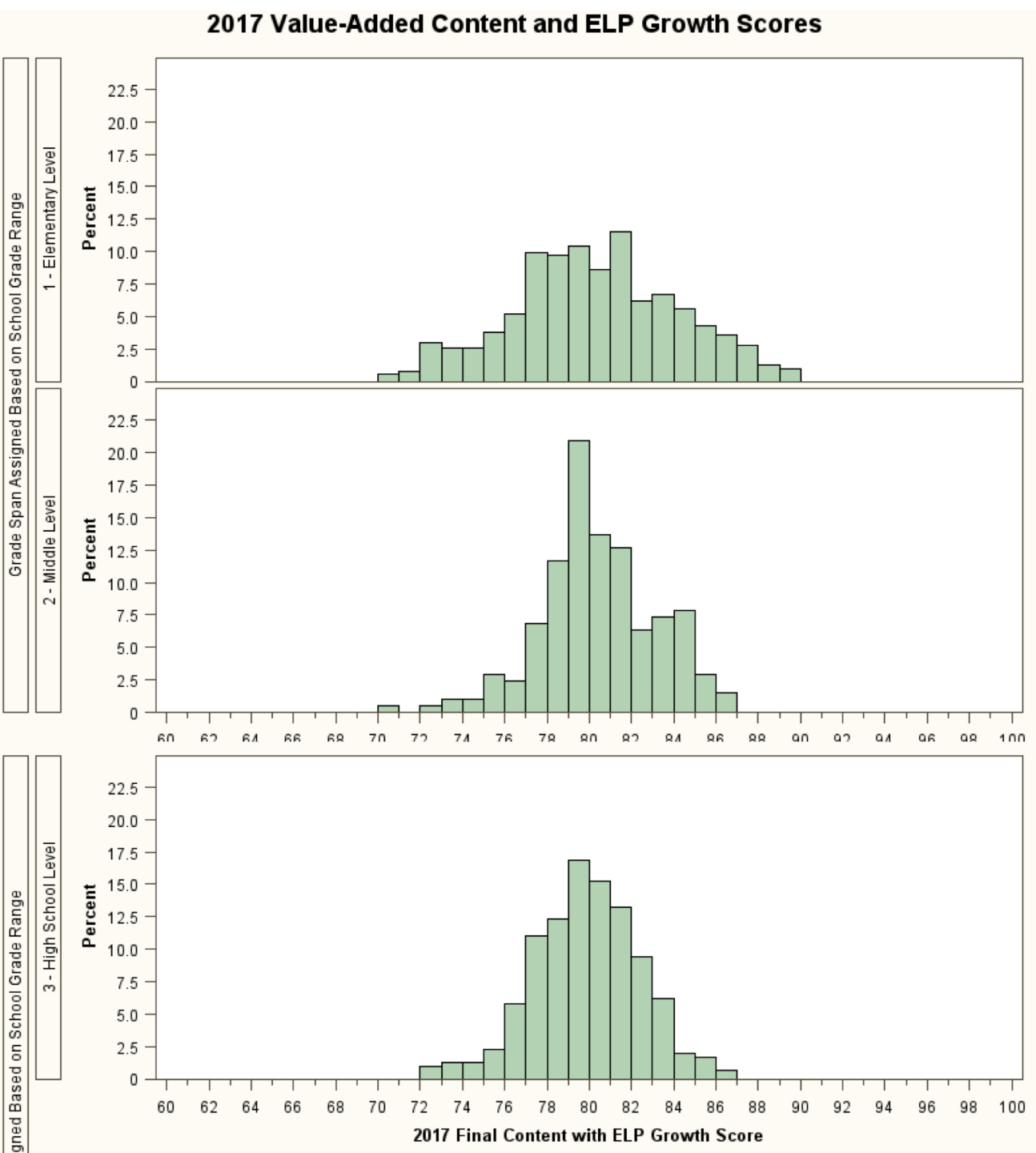
School Value-Added Growth: Statistical Markers for Distributions by Grade Span

	P_5	P_10	P_15	P_20	P_25	P_30	P_35	P_40	P_45	P_50	P_55	P_60	P_65	P_70	P_75	P_80	P_85	P_90	P_95
1 - Elementary Level	73.06	75.15	76.29	77.070	77.705	78.17	78.75	79.15	79.48	80.23	80.71	81.17	81.63	82.29	83.045	83.830	84.47	85.68	87.09
2 - Middle Level	75.84	77.26	77.98	78.615	78.920	79.10	79.29	79.51	79.83	80.16	80.60	80.92	81.28	81.55	82.100	82.945	83.35	84.37	84.71
3 - High School Level	75.91	76.51	77.37	77.710	78.170	78.71	79.02	79.23	79.54	79.93	80.11	80.45	80.87	81.25	81.580	81.990	82.36	83.06	83.94

	-2 SD	-1.5 SD	-1 SD	-0.5 SD	Mean	0.5 SD	1.0 SD	1.5 SD	2.0 SD
1-Elementary	72.32	74.31	76.29	78.28	80.26	82.25	84.23	86.22	88.20
2-Middle	74.96	76.32	77.68	79.04	80.40	81.76	83.12	84.48	85.84
3-High School	74.78	76.05	77.31	78.58	79.84	81.11	82.37	83.64	84.90

Adjusted Cohort Graduation Rates: Means and Variation by Grade Span

Label	N	Mean	Std Dev	Minimum	Maximum
2016 4-Yr Adjusted Cohort Graduation Rate	280	88.47	10.20	22.22	100.00
2016 5-Yr Adjusted Cohort Graduation Rate	278	88.04	11.40	0.00	100.00

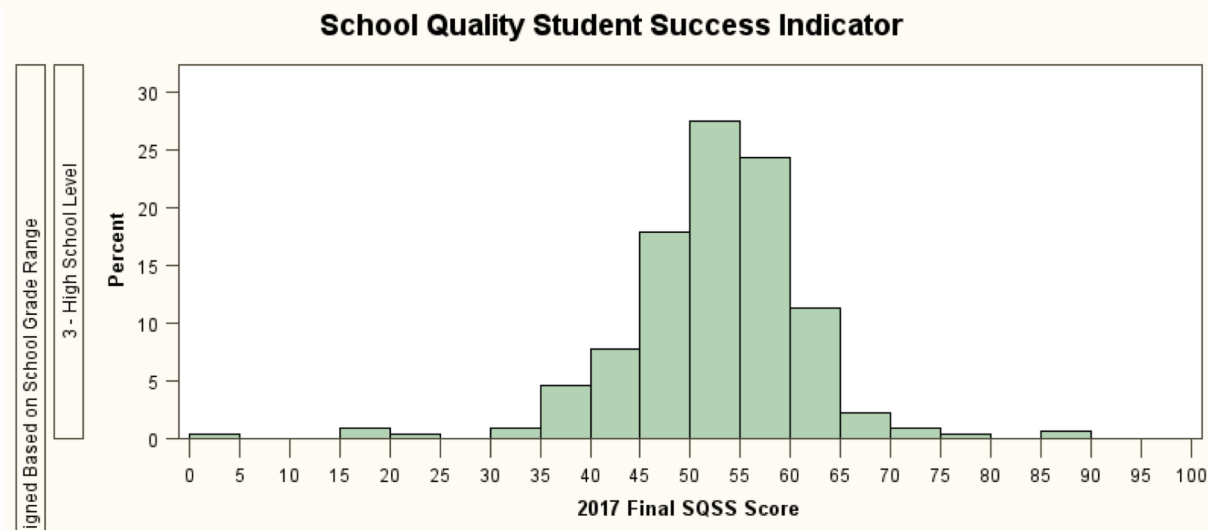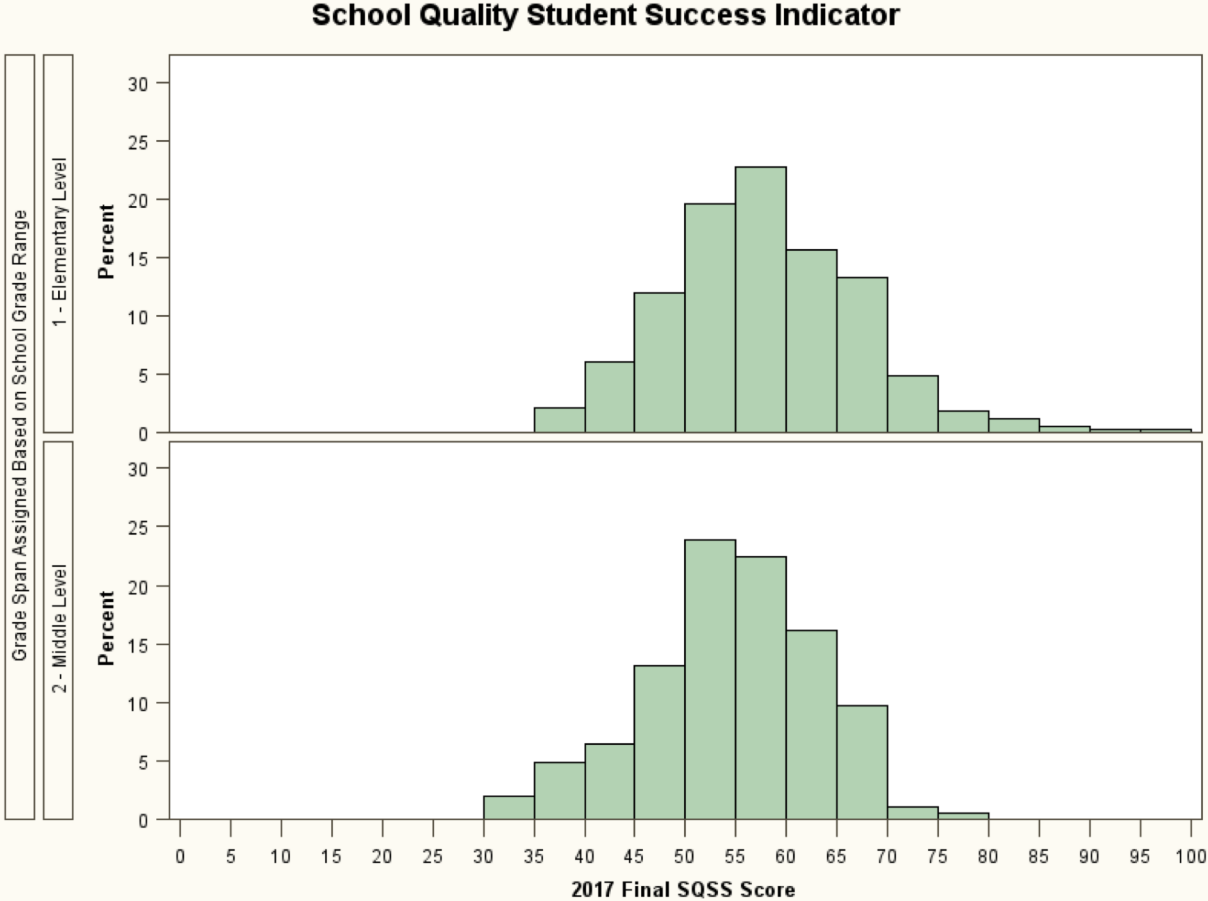2016 Four-Year and Five-Year Graduation Rate

Adjusted Cohort Graduation Rates: Statistical Markers for Distributions by Grade Span

	P_5	P_10	P_15	P_20	P_25	P_30	P_35	P_40	P_45	P_50	P_55	P_60	P_65	P_70	P_75	P_80	P_85	P_90	P_95
2016Four-Year ACGR	71.78	78.875	81.13	83.33	85.255	86.24	87.585	88.495	89.775	90.485	90.91	91.94	93.37	93.97	94.895	95.625	96.55	97.78	100
2016 Five-Year ACGR	71.1	78.95	81.08	83.57	85.11	85.96	86.67	87.67	88.68	89.69	90.74	91.82	92.73	93.67	94.7	95.65	96.47	97.62	100

	-2 SD	-1.5 SD	-1 SD	-0.5 SD	Mean	0.5 SD	1.0 SD	1.5 SD	2.0 SD
2016Four-Year ACGR	68.07	73.17	78.27	83.37	88.47	93.57	98.67	103.77	108.87
2016 Five-Year ACGR	65.24	70.94	76.64	82.34	88.04	93.74	99.44	105.14	110.84

School Quality Student Success (SQSS): Means and Variation by Grade Span

Grade Span	N	Mean	Std Dev	Minimum	Maximum
1 - Elementary Level	536	57.82	9.40	35.55	98.53
2 - Middle Level	205	54.63	8.55	31.08	75.13
3 - High School Level	309	52.54	9.08	3.63	86.74

School Quality Student Success Indicator

School Quality Student Success Indicator

School Quality Student Success (SQSS): Statistical Markers for Distributions by Grade Span

	P_5	P_10	P_15	P_20	P_25	P_30	P_35	P_40	P_45	P_50	P_55	P_60	P_65	P_70	P_75	P_80	P_85	P_90	P_95
1 - Elementary Level	43.30	46.45	48.33	50.00	51.46	52.58	53.69	55.14	56.41	57.42	58.25	595.51	60.67	62.43	64.24	65.36	67.00	69.46	73.17
2 - Middle Level	37.16	43.99	45.82	48.29	49.51	50.62	51.56	53.28	54.64	54.96	55.98	57.35	58.53	59.13	60.46	62.03	63.58	65.68	67.53
3 - High School Level	38.48	42.05	45.14	47.13	48.34	49.15	50.54	51.20	52.26	53.26	54.07	54.98	55.65	56.70	57.46	58.94	60.14	61.43	64.58

	-2 SD	-1.5 SD	-1 SD	-0.5 SD	Mean	0.5 SD	1.0 SD	1.5 SD	2.0 SD
1-Elementary	39.02	43.72	48.42	53.12	57.82	62.52	67.22	71.92	76.62
2-Middle	37.53	41.81	46.08	50.36	54.63	58.91	63.18	67.46	71.73
3-High School	34.38	38.92	43.46	48.00	52.54	57.08	61.62	66.16	70.70

# Components of School Quality Student Success Indicator

SQSS Component Means and Variability by Grade Span

Grade Span Assigned Based on School Grade Range	SQSS Component	N	Mean	Std Dev	Minimum	Maximum
1 - Elementary Level	Chronic Absence - Percentage Score	536	72.45	9.66	47.00	100.00
	Reading Achievement - Percentage Score	494	39.48	14.32	5.59	82.98
	Science Achievement - Percentage Score	494	41.44	14.88	8.15	79.87
	Science Growth - Percentage Score	466	51.22	7.75	27.45	80.21
2 - Middle Level	Chronic Absence - Percentage Score	205	75.46	10.65	45.49	100.00
	Reading Achievement - Percentage Score	205	42.34	13.15	2.33	74.58
	Science Achievement - Percentage Score	205	43.89	15.01	6.67	78.65
	Science Growth - Percentage Score	205	50.77	6.46	31.94	67.86
	On-Time Credits - Percentage Score	25	90.11	19.14	0.00	100.00
3 - High School Level	Chronic Absence - Percentage Score	309	72.75	12.90	1.00	100.00
	Reading Achievement - Percentage Score	308	38.41	13.71	0.00	100.00
	Science Achievement - Percentage Score	308	34.67	13.73	0.00	89.19
	Science Growth - Percentage Score	308	50.02	7.55	25.00	72.14
	ACT Composite - Percentage Score	281	48.24	16.54	0.00	98.25
	ACT Benchmark Readiness - Percentage Score	281	40.75	18.59	0.00	138.60
	On-Time Credits - Percentage Score	307	85.26	15.40	0.00	100.00
	High School Final GPA - Percentage Score	281	61.67	15.71	0.00	100.00
	AP/IB/CC Credits - Percentage Score	281	50.12	17.79	0.00	100.00
	Computer Science Credits - Percentage Score	281	7.44	8.66	0.00	50.00
	Community Learning Services Credits - Percentage Score	281	4.00	12.65	0.00	100.00

Percent of Points Earned for Chronic Absence for Students in Grades K - 11

Risk Level	Description	Points Earned per Student
Low Risk	Absent less than 5% of days enrolled	1.0
Moderate Risk	Absent 5% to less then 10% of days enrolled	0.5
High Risk = Chronic Absence	Absent 10% or more of days enrolled	0.0

Includes full academic year students (not highly mobile).
Students enrolled continuously from October 1 through Cycle 7.
Attendance from quarters 1 – 4
Cycle 7 enrollment
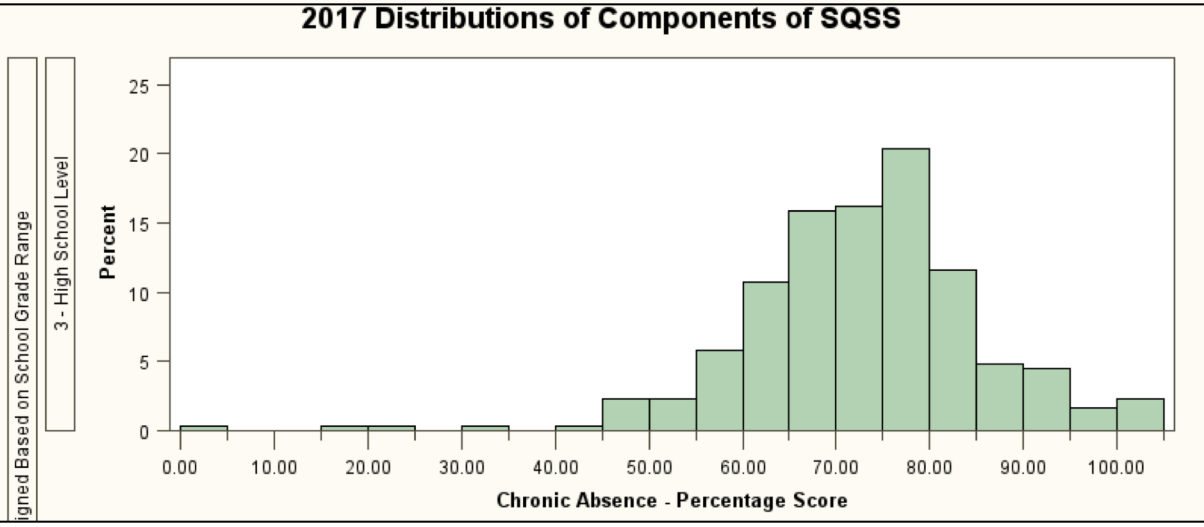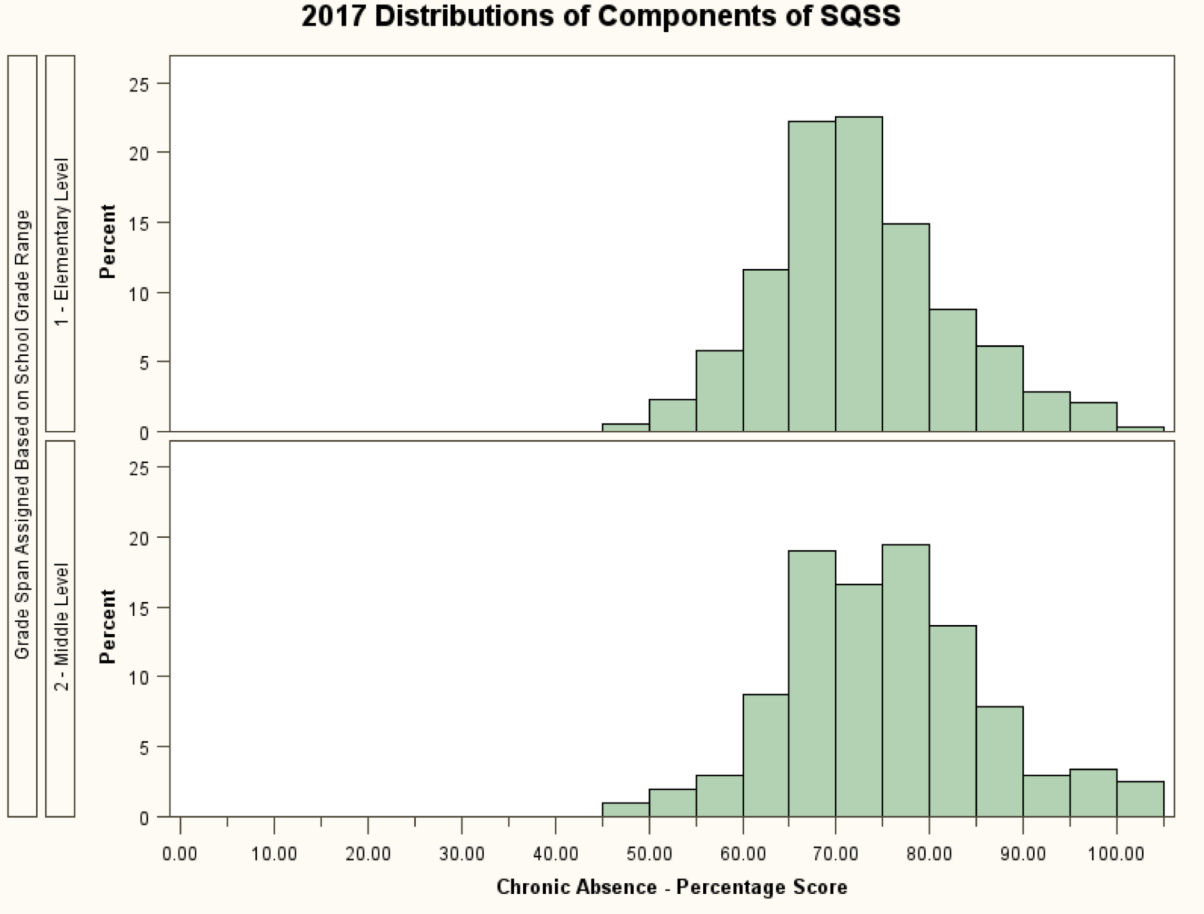
Percent of Points Earned for Reading Achievement for Students in Grades 3 - 10

Achievement Levels	Description	Points Earned per Student
On or Above Grade Level for Reading	ACT Aspire: Ready or Exceeds	1.0
Not at Grade Level for Reading	ACT Aspire: Close or In Need of Support	0.0

Includes full academic year students (not highly mobile). Students enrolled continuously from October 1 through testing.

MSAA excluded due to lack of Reading Score—Only ELA score available.
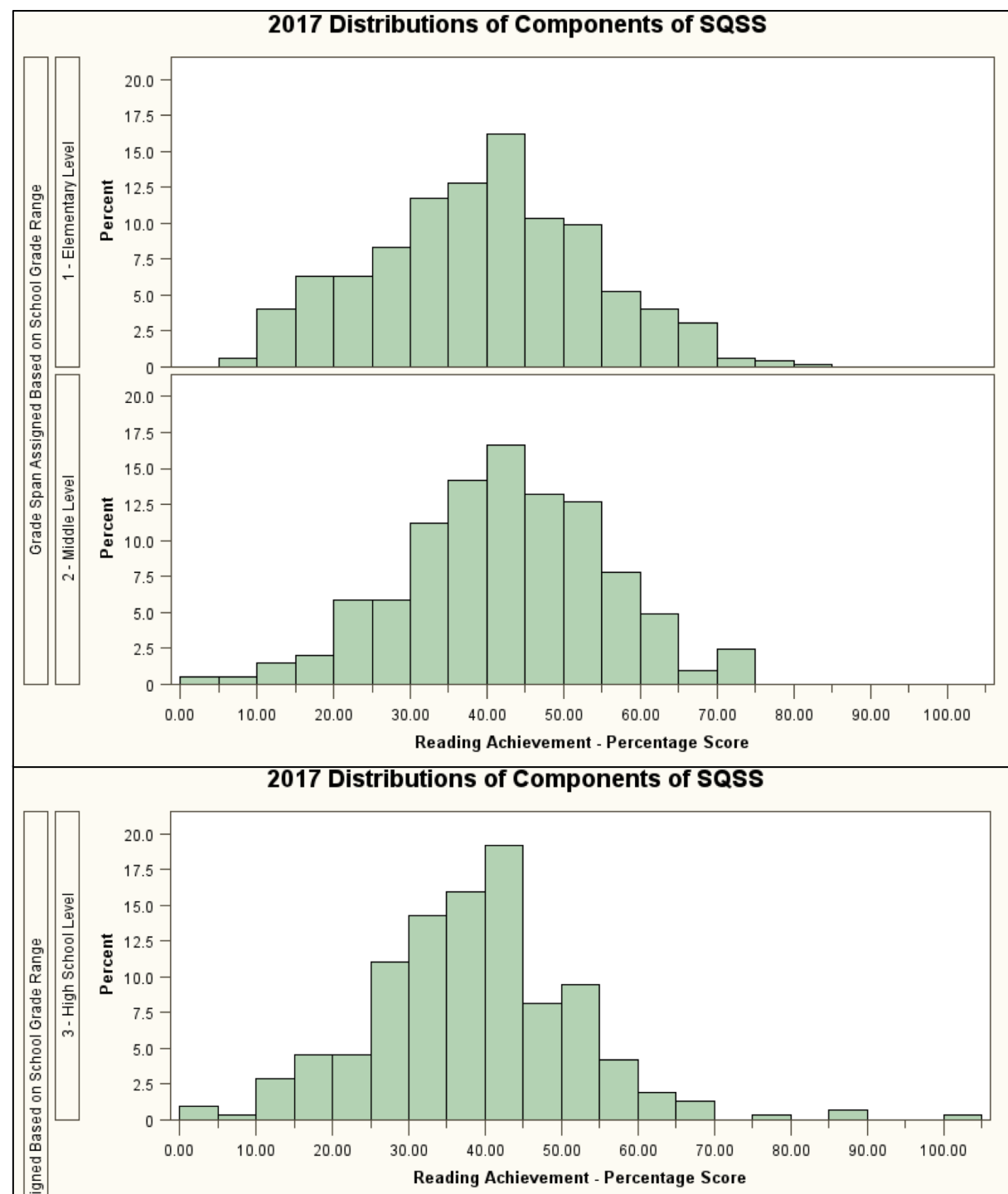
Percent of Points Earned for Science Achievement for Students Grades 3 - 10

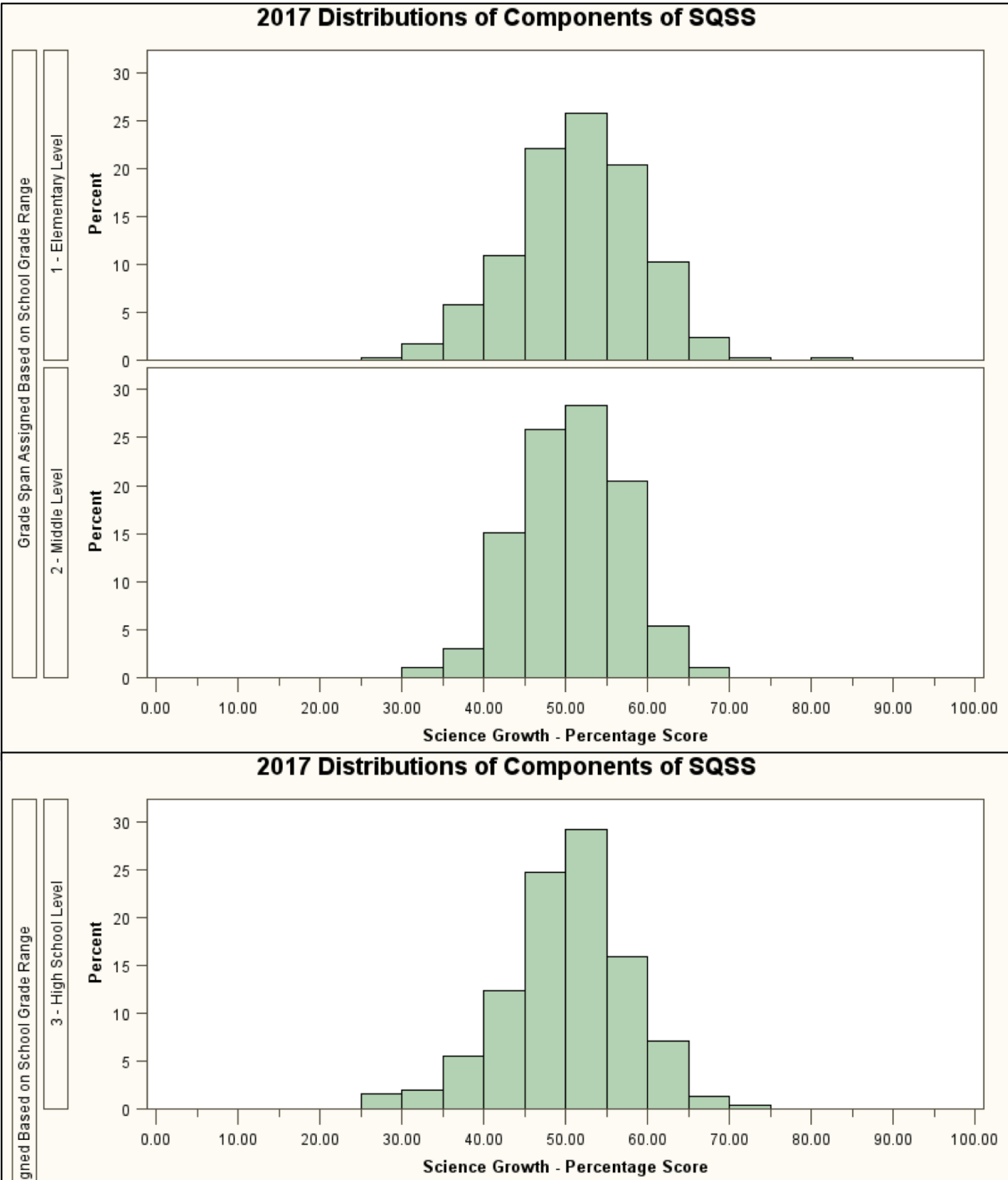| Achievement Levels	Description	Points Earned per Student
On or Above Grade Level for Science	ACT Aspire: Ready or Exceeds APA Science Levels Independent or Functional Independence	1.0
Not at Grade Level for Science	ACT Aspire Close or In Need of Support APA Science Levels: Supported Independence, Emergent, Not Evident	0.0

Includes full academic year students (not highly mobile). Students enrolled continuously from October 1 through testing.
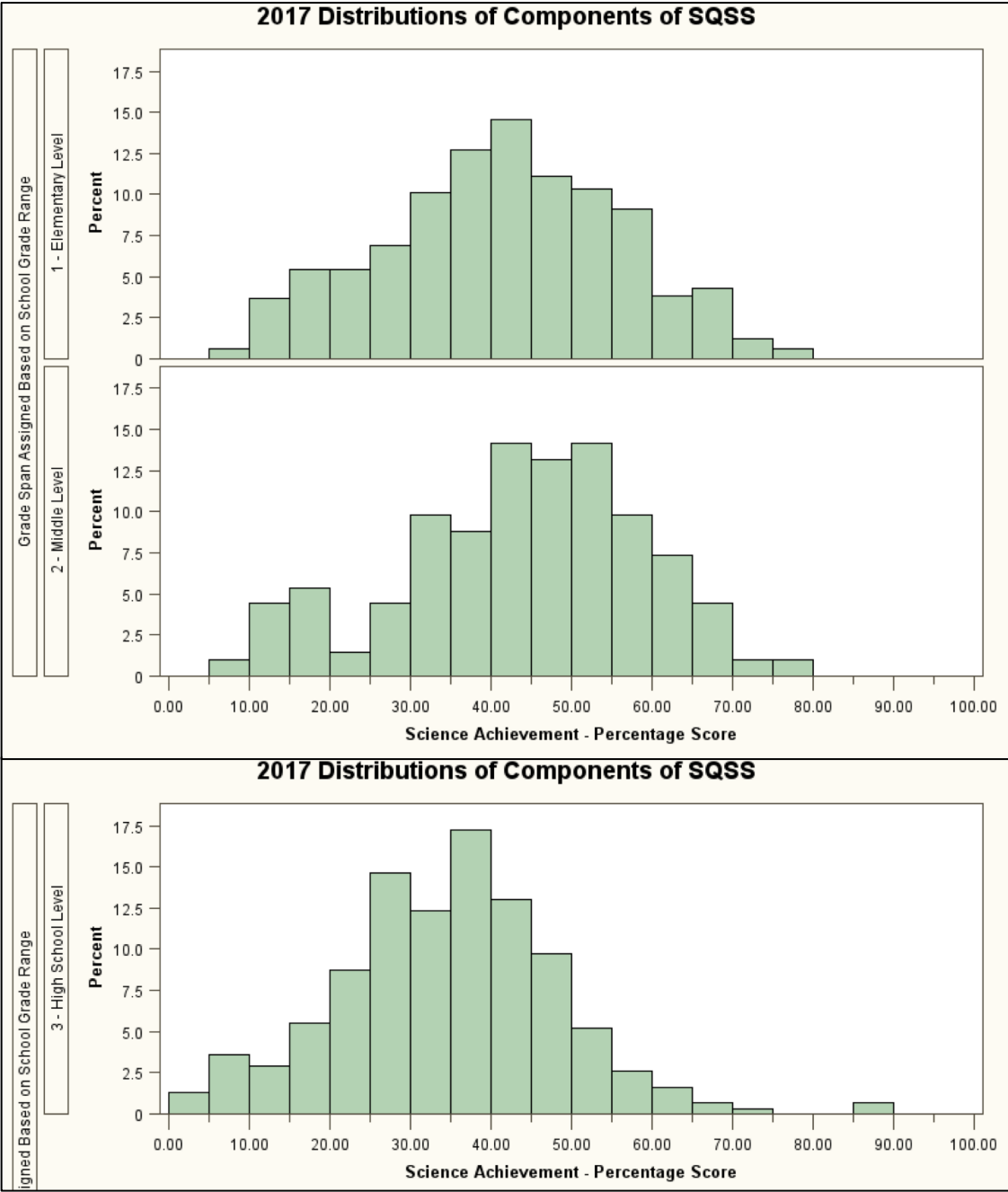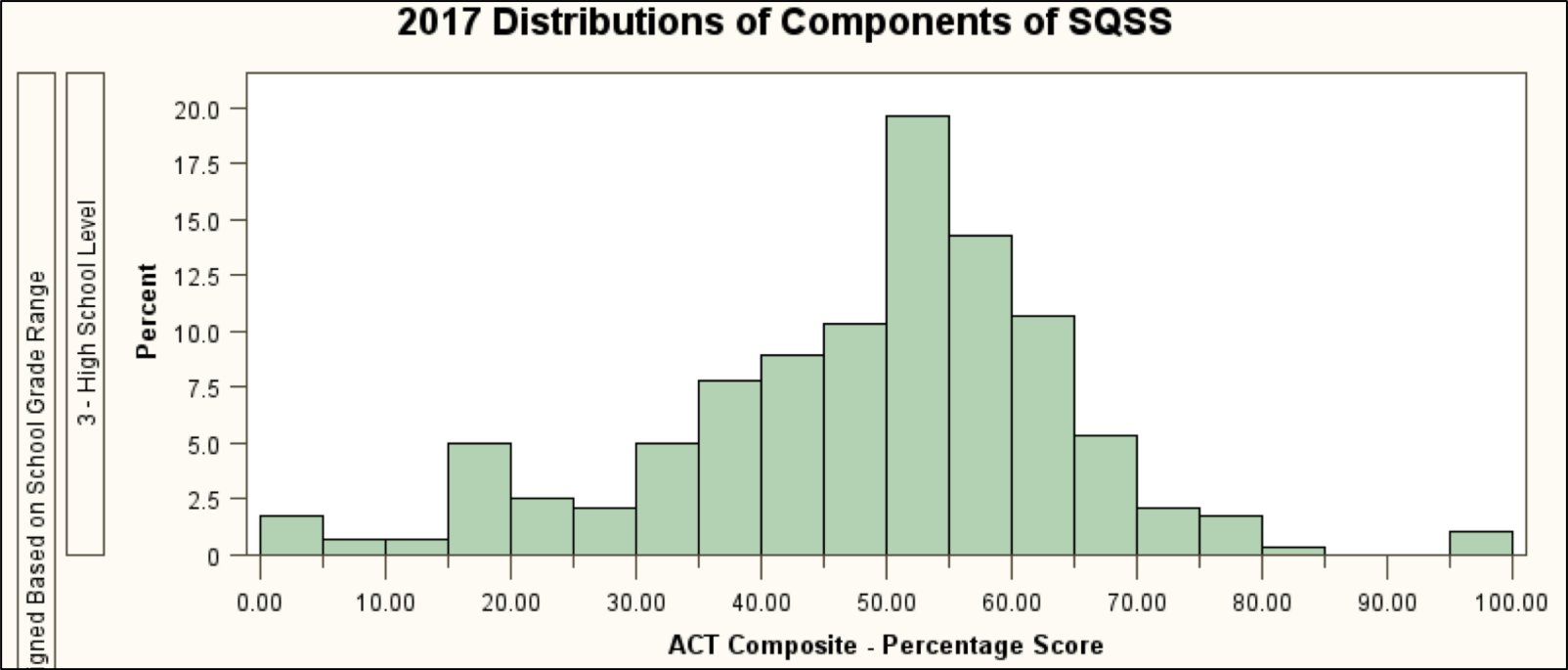
Percent of Points Earned for Growth in Science Achievement for Students Grades 4 - 10

Bottom	Description	Points Earned per Student
Growth in Top Quartile	Science Value-Added Score at/above 75th percentile of growth of students in same grade	1.0
Growth in Middle Quartiles	Science Value-Added Score At/Above 25th percentile to less than 75th percentile of growth of students in same grade	0.5
Growth in Bottom Quartile	Science Value-added score is below the 25th percentile of growth of students in same grade	0.0

Includes full academic year students (not highly mobile). Students enrolled continuously from October 1 through testing. ACT Aspire Science scores only.


2017 Distributions of Components of SQSS

Percent of Points Earned for ACT Composite Score of 19 for students in Grade 12

2017 Distributions of Components of SQSS

(Y-axis: Percent; X-axis: ACT Composite - Percentage Score; left label: Assigned Based on School Grade Range; 3 - High School Level)

Achievement Levels	Points Earned per Student
Best ACT Composite Score at/above 19	1.0
Best ACT Composite Score below 19	0.0

The ACT Composite includes students in Grade 12 cycle 7 certified data with ACT scores. Highly mobile students are excluded

Uses best ACT Composite score from any of previous 3 years.

Percent of Points Earned for ACT Scores at/above ACT College Readiness Benchmark for Students in Grade 12


2017 Distributions of Components of SQSS
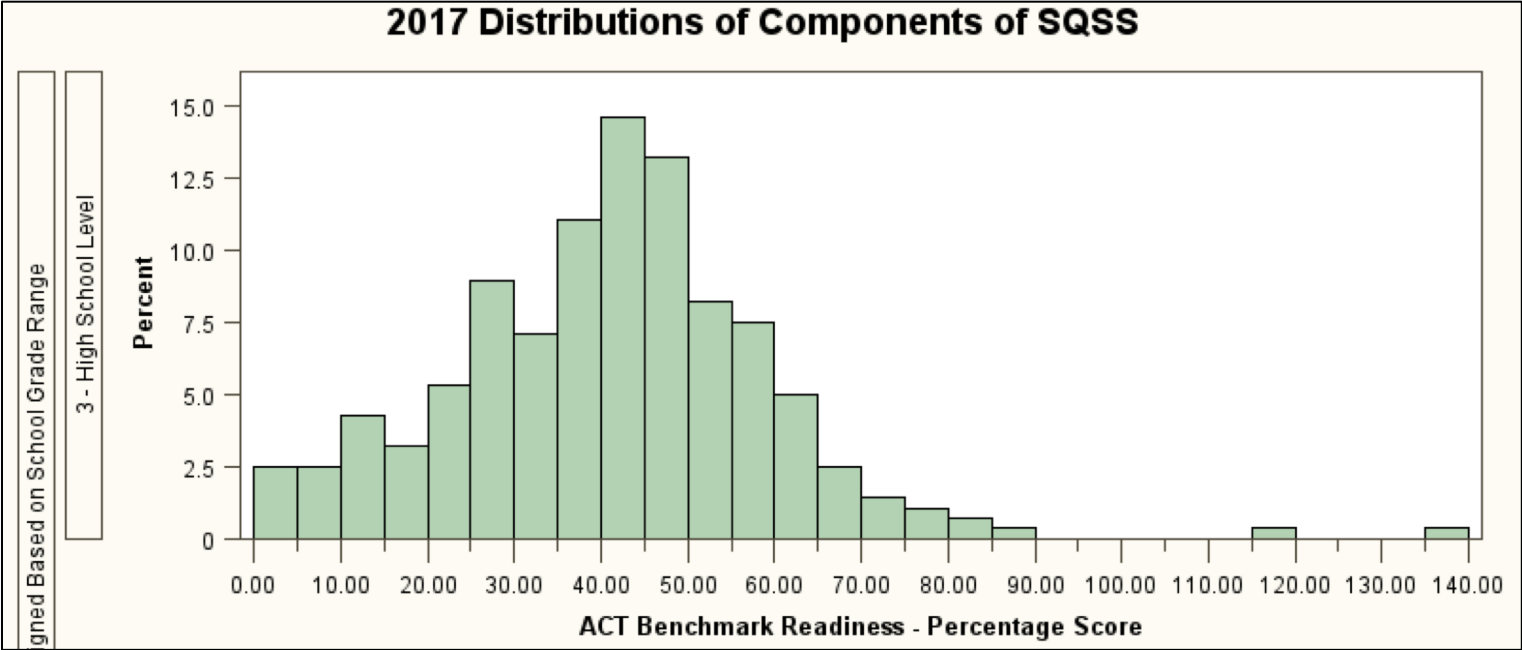
Achievement Levels	Points Earned per Student
Best ACT Reading Score ≥ 22	0.5
Best ACT Math Score ≥ 22	0.5
Best ACT Science Score ≥ 23	0.5

The ACT College Readiness calculation includes students in Grade 12 cycle 7 certified data with ACT scores. Highly mobile students are excluded.
Uses best ACT Composite score from any of previous 3 years.

Percent of Points Earned for Students Earning On-Time Credits for Grade Levels 9-11

Credit Earning	Points Earned per Student
Grade 9 completed ≥ 5.5 credit Grade 10 completed ≥ 11.0 credits Grade 11 completed ≥ 16.5 credits	1.0
Fewer credits earned than those listed above	0.0
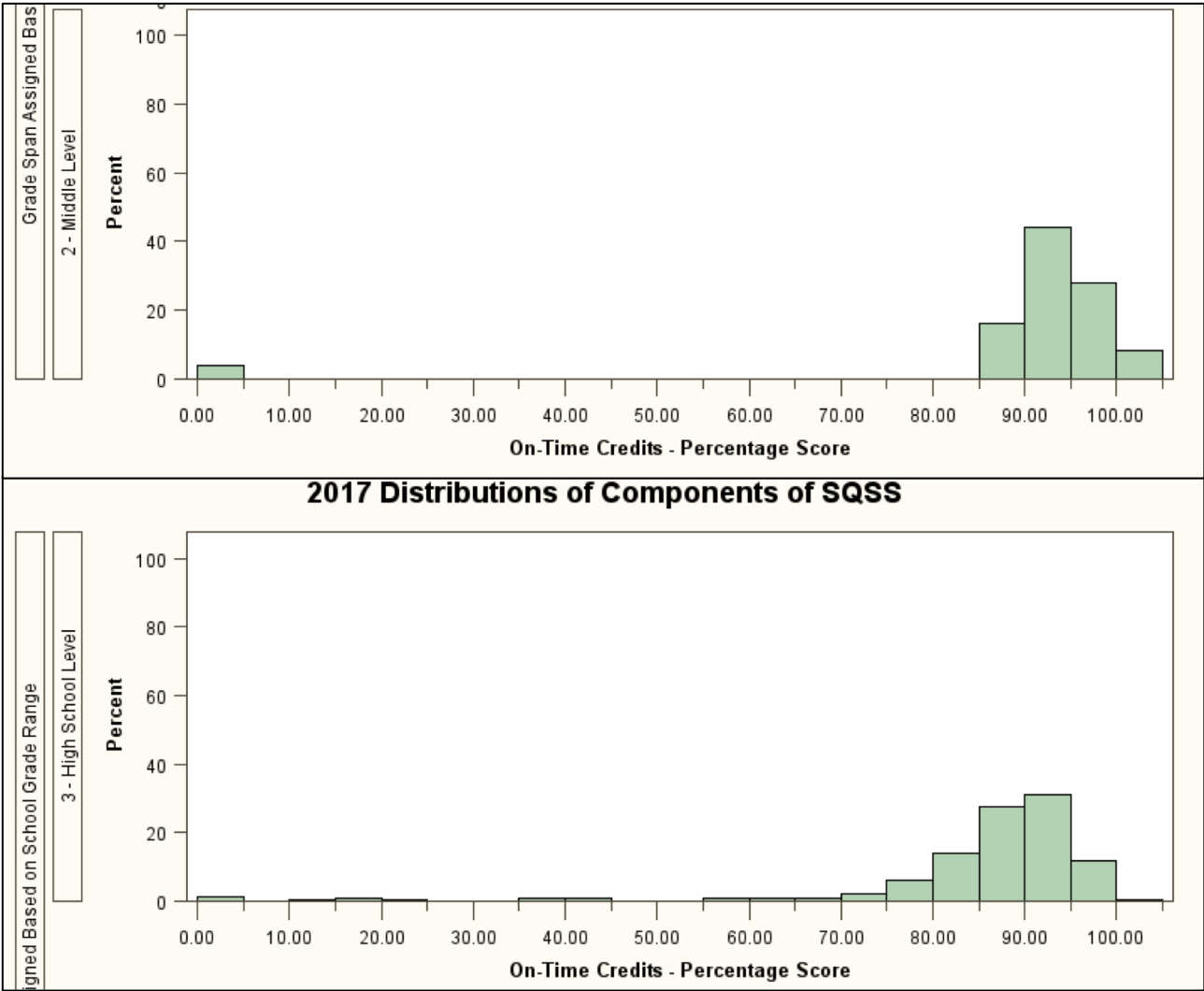
Students' on-time credits are calculated for students in Grades 9 - 11 for each school. Grades included in the score are based on the school's actual grade range. Highly mobile students are excluded

# Percent of Points Earned for High School GPA of 2.8 or Higher for students in Grade 12
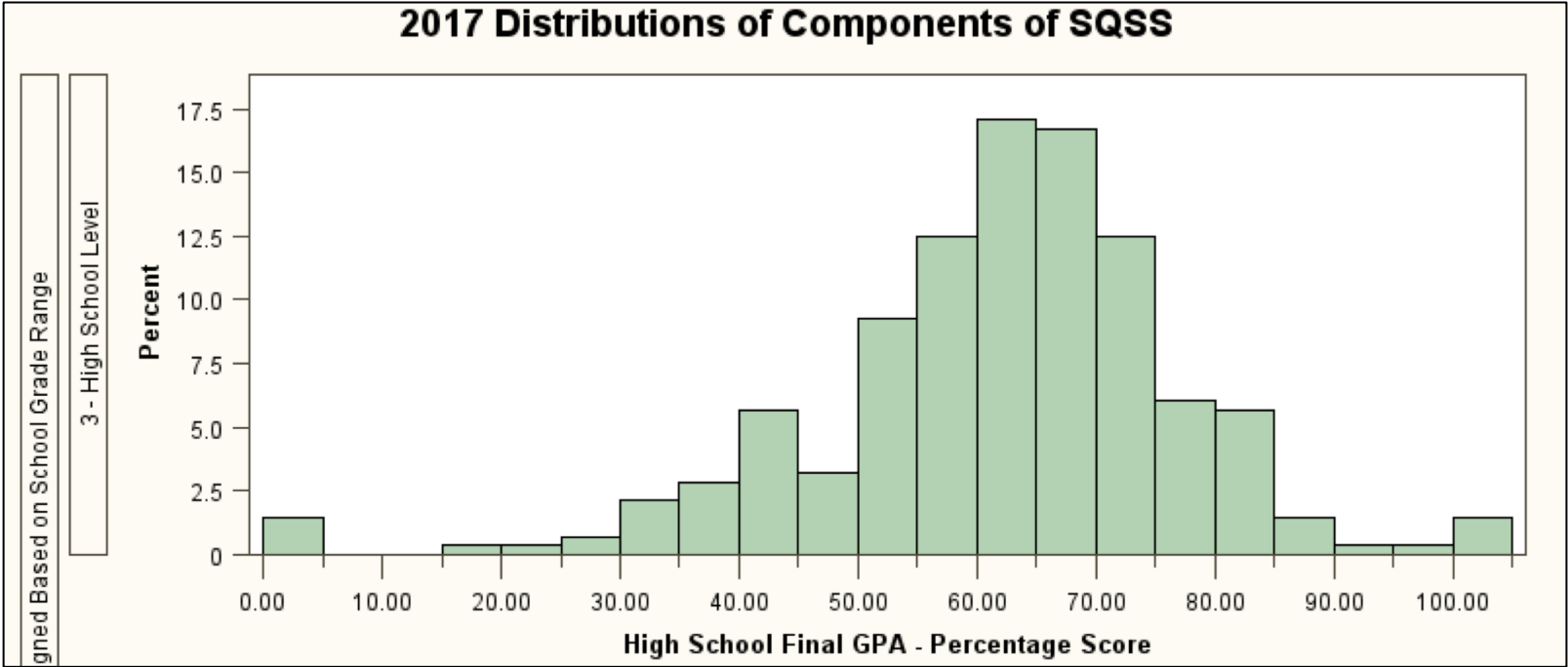
Achievement Levels	Points Earned per Student
High School GPA ≥ 2.8	1.0
High School GPA < 2.8	0.0

Includes Grade 12 students from cycle 7 with full academic year in Grade 12 (not highly mobile).
Uses students' Cycle 7 reported high school GPA.

Percent of Points Earned for Grade 12 Students Completing AP, IB, or Concurrent Credit Course(s)
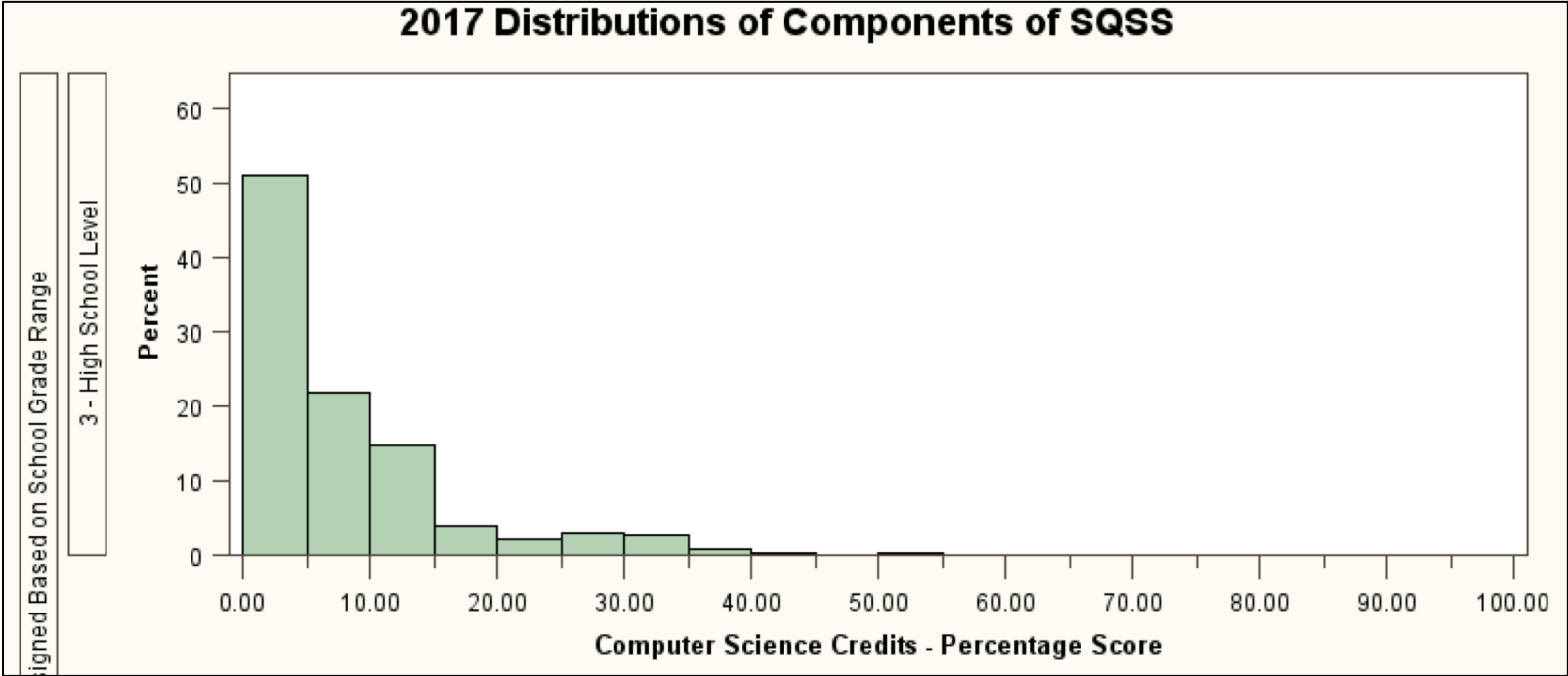
Includes ACE Concurrent Credit Courses
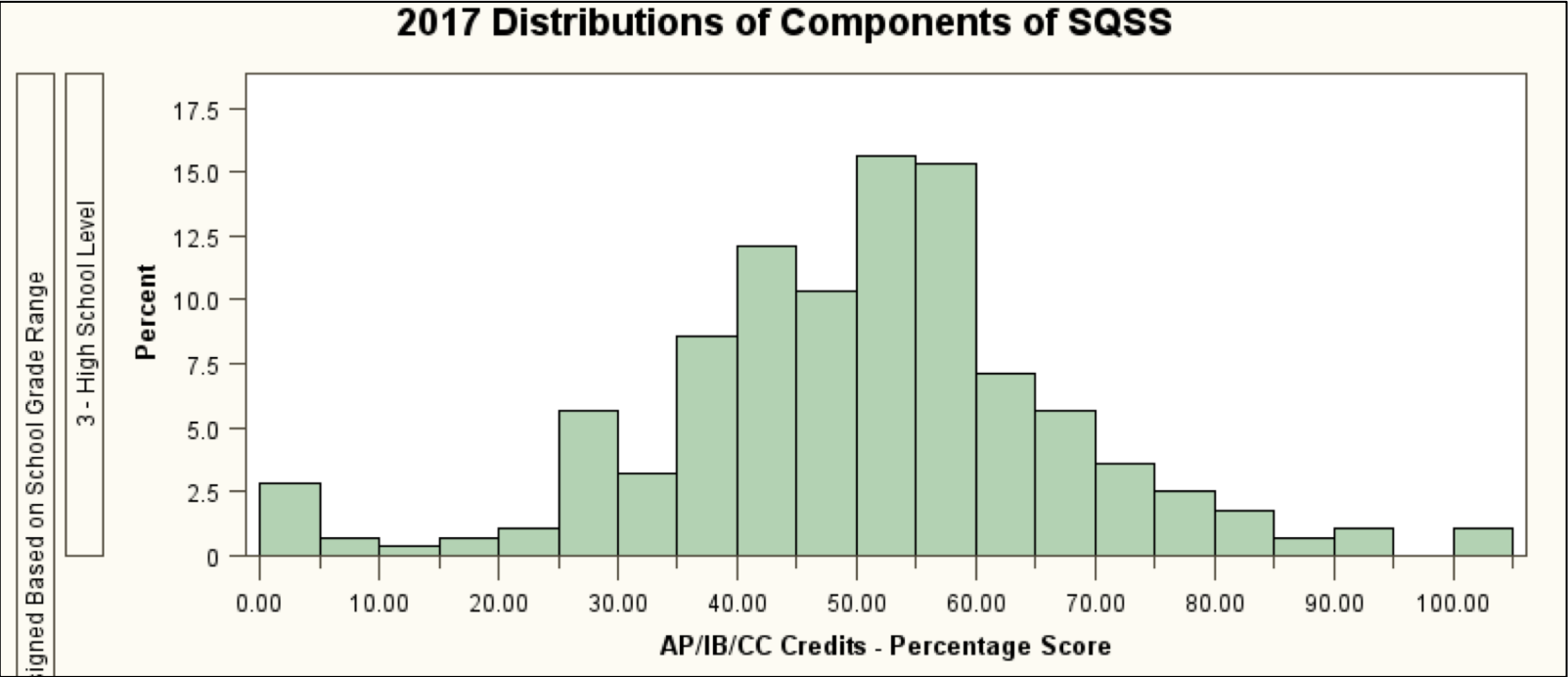
2017 Distributions of Components of SQSS

Achievement Levels	Points Earned per Student
Completing 1 or more credits in grades 9 – 12	1.0
No credits earned in grades 9 - 12	0.0

The AP/IB/Concurrent Credit calculation includes students in Grade 12 cycle 7 certified data with course credit records from any of grades 9 - 12. Highly mobile students are excluded.
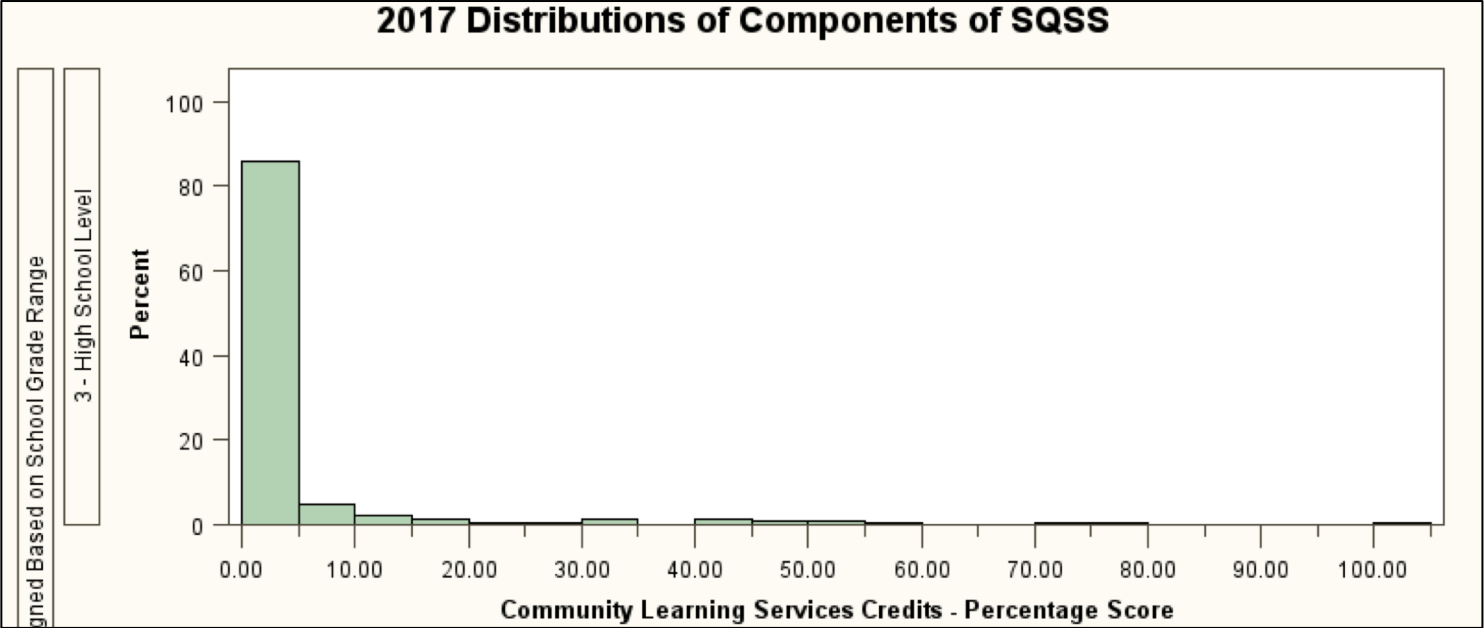
Percent of Points Earned for Grade 12 Students Completing Computer Science Course(s)

Achievement Levels	Points Earned per Student
Completing 1 or more credits in grades 9 – 12	1.0
No credits earned in grades 9 - 12	0.0

The AP/IB/Concurrent Credit calculation includes students in Grade 12 cycle 7 certified data with course credit records from any of grades 9 - 12. Highly mobile students are excluded.

Percent of Points Earned for Grade 12 Students Completing Community or Service Learning Course(s)

2017 Distributions of Components of SQSS

Achievement Levels	Points Earned per Student
Completing 1 or more credits in grades 9 – 12	1.0
No credits earned in grades 9 - 12	0.0

The AP/IB/Concurrent Credit calculation includes students in Grade 12 cycle 7 certified data with course credit records from any of grades 9 - 12. Highly mobile students are excluded.

ESSA School Index Scores at 1st and 5th Percentiles* of Statewide Title I School Distributions

Grade Span	Value at 1st Percentile 2016	Value at 1st Percentile 2017	Value at 1st Percentile 2018	Value at 5th Percentile 2016	Value at 5th Percentile 2017	Value at 5th Percentile 2018
1 – Elementary Level	56.00	55.62	TBD	59.67	59.68	TBD
2 – Middle Level	55.22	53.60	TBD	58.40	58.63	TBD
3 – High School Level	39.95	33.82	TBD	51.07	53.53	TBD

*Fifth Percentile values in this table are based on the Title I participating schools in each grade span; thus these values may differ from the Percentile values reported when including all schools.

Districts with one or more schools that have one or more subgroups whose ESSA School Index score is at or below the ESSA School Index Score at 1st percentile each year for three consecutive years will be notified of their schools which have consistently underperforming subgroups and are eligible for Targeted Support and Improvement. Districts will be notified annually based on the three most current years of ESSA School Index scores of subgroups meeting the minimum N of 15 for all indicators in all three years.

Beginning in 2018, schools with consistently underperforming subgroups whose subgroup ESSA School Index scores are at or below the ESSA School Index score at the 5th percentile, will be eligible for Additional Targeted Support and Improvement. This eligibility will be evaluated every three years.