

TECHNICAL REPORT
PART IV - APPENDIX FOR POOLED ANALYSIS
Summative Assessment

**English Language Proficiency Assessment for the
21st Century -
Listening, Reading, Speaking, and Writing**

Grades K-12

2022-2023 Administration

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ELPA21

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Section 1: Summative Assessment - Student Participation

Table S1.1: Students Who Participated in Each Mode of Testing - Summative

Grade	Total	Braille		Online		Paper	
		N	%	N	%	N	%
K	≥27,960	<10	0.00	≥27,890	99.76	≥60	0.24
1	≥27,830	<10	0.00	≥27,760	99.77	≥60	0.23
2	≥23,230	<10	0.00	≥23,170	99.72	≥60	0.28
3	≥19,600	<10	0.02	≥19,570	99.83	≥30	0.15
4	≥16,660	<10	0.00	≥16,630	99.80	≥30	0.20
5	≥13,980	<10	0.01	≥13,960	99.91	≥10	0.09
6	≥12,780	<10	0.02	≥12,760	99.91	<10	0.07
7	≥11,740	<10	0.01	≥11,730	99.91	<10	0.08
8	≥11,980	<10	0.00	≥11,960	99.89	≥10	0.11
9	≥14,880	<10	0.01	≥14,870	99.98	<10	0.01
10	≥12,930	<10	0.00	≥12,930	100.00	<10	0.00
11	≥10,090	<10	0.00	≥10,080	99.97	<10	0.03
12	≥8,180	<10	0.02	≥8,170	99.96	<10	0.01
Total	≥211,870	≥10	0.00	≥211,560	99.85	≥300	0.14

Table S1.2: Student Participation by Subgroups - Summative

Subgroup	Status	K		1		2-3		4-5		6-8		9-12	
		N	%	N	%	N	%	N	%	N	%	N	%
Total		≥27,960	100.0	≥27,830	100.0	≥42,840	100.0	≥30,640	100.0	≥36,500	100.0	≥46,080	100.0
Grade	K	≥27,960	100.0										
	1			≥27,830	100.0								
	2					≥23,230	54.2						
	3					≥19,600	45.8						
	4							≥16,660	54.4				
	5							≥13,980	45.6				
	6									≥12,780	35.0		
	7									≥11,740	32.2		
	8									≥11,980	32.8		
	9											≥14,880	32.3
	10											≥12,930	28.1
	11											≥10,090	21.9
	12											≥8,180	17.8
Gender	Female	≥13,410	48.0	≥13,490	48.5	≥20,330	47.5	≥13,920	45.4	≥16,170	44.3	≥20,270	44.0
	Male	≥14,290	51.1	≥14,130	50.8	≥22,220	51.9	≥16,550	54.0	≥20,150	55.2	≥25,600	55.6
	Missing	≥260	0.9	≥210	0.8	≥290	0.7	≥160	0.5	≥170	0.5	≥200	0.4

Subgroup	Status	K		1		2-3		4-5		6-8		9-12	
		N	%	N	%	N	%	N	%	N	%	N	%
Ethnicity	American Indian or Alaskan Native	≥90	0.3	≥80	0.3	≥130	0.3	≥80	0.3	≥110	0.3	≥110	0.2
	Asian	≥4,180	15.0	≥3,980	14.3	≥5,290	12.4	≥3,220	10.5	≥3,100	8.5	≥3,840	8.4
	Black or African American	≥3,000	10.7	≥2,860	10.3	≥4,610	10.8	≥3,240	10.6	≥3,880	10.6	≥5,200	11.3
	Hispanic or Latino	≥15,860	56.7	≥16,060	57.7	≥25,010	58.4	≥18,160	59.3	≥22,020	60.3	≥29,060	63.1
	Native Hawaiian or Other Pacific Islander	≥50	0.2	≥50	0.2	≥70	0.2	≥40	0.2	≥80	0.2	≥90	0.2
	Pacific Islander	≥550	2.0	≥560	2.0	≥930	2.2	≥840	2.8	≥1,130	3.1	≥1,260	2.7
	Two or More Races	≥1,330	4.8	≥1,470	5.3	≥2,650	6.2	≥2,280	7.4	≥3,030	8.3	≥2,560	5.6
	White	≥2,560	9.2	≥2,450	8.8	≥3,630	8.5	≥2,410	7.9	≥2,690	7.4	≥3,220	7.0
	Other/Unknown	≥310	1.1	≥290	1.1	≥490	1.2	≥330	1.1	≥430	1.2	≥700	1.5

Section 2: Summative Assessment - Raw Score Summary

Table S2.1: Summative Raw Score Summary - Kindergarten

Domain	Level	N	Min	Mean	Max	SD
Listening	1	≥4,360	0	13.3	23	4.2
	2	≥4,100	13	20.0	27	1.8
	3	≥13,470	18	24.8	29	1.9
	4	≥2,810	24	27.4	29	0.9
	5	≥3,090	26	28.2	29	0.7
Reading	1	≥4,530	0	10.6	18	3.1
	2	≥4,850	10	15.8	21	1.5
	3	≥10,070	13	19.2	23	1.4
	4	≥3,800	18	21.1	23	0.9
	5	≥4,470	19	21.9	23	0.8
Speaking	1	≥5,530	0	5.4	14	4.0
	2	≥3,470	10	14.4	18	1.6
	3	≥7,770	14	19.2	23	1.6
	4	≥3,820	17	22.1	25	0.9
	5	≥7,070	20	24.5	27	1.2
Writing	1	≥10,500	0	4.2	8	1.6
	2	≥8,260	5	9.0	13	1.8
	3	≥6,480	11	14.8	18	1.6
	4	≥930	16	17.4	18	0.5
	5	≥1,520	17	18.0	18	0.2
Overall	Emerging	≥5,830	0	40.2	67	12.2
	Progressing	≥20,010	32	73.9	95	10.3
	Proficient	≥1,750	84	91.8	97	2.4

Table S2.2: Summative Raw Score Summary - Grade 1

Domain	Level	N	Min	Mean	Max	SD
Listening	1	≥2,730	0	11.1	17	3.0
	2	≥1,780	12	16.6	21	1.4
	3	≥7,960	15	20.6	23	1.4
	4	≥6,860	20	22.7	24	0.8
	5	≥8,390	21	23.6	24	0.6
Reading	1	≥7,420	0	12.5	20	2.8
	2	≥4,780	11	16.9	23	1.6
	3	≥7,690	14	20.4	27	1.9
	4	≥3,480	20	24.1	30	1.6
	5	≥4,250	23	27.4	30	1.7
Speaking	1	≥7,560	0	12.2	21	5.4
	2	≥7,250	12	19.4	23	1.3
	3	≥2,720	17	21.1	24	1.0
	4	≥4,110	17	22.0	24	0.9
	5	≥5,900	18	23.5	25	1.0
Writing	1	≥9,880	0	7.4	16	3.9
	2	≥5,670	13	16.3	20	1.2
	3	≥7,180	16	18.8	20	0.8
	4	≥2,060	18	19.7	20	0.5
	5	≥2,810	19	19.9	20	0.2
Overall	Emerging	≥4,000	0	42.8	75	13.0
	Progressing	≥19,520	29	75.7	96	10.7
	Proficient	≥4,000	84	92.5	99	3.0

Table S2.3: Summative Raw Score Summary - Grade 2

Domain	Level	N	Min	Mean	Max	SD
Listening	1	≥1,410	0	9.4	15	2.6
	2	≥1,140	10	14.6	19	1.4
	3	≥5,780	13	19.9	24	1.9
	4	≥7,290	19	23.4	26	1.2
	5	≥7,500	22	25.0	26	0.9
Reading	1	≥5,600	0	13.9	23	3.0
	2	≥3,790	10	18.2	27	2.0
	3	≥6,700	16	23.2	35	2.7
	4	≥3,480	22	28.6	34	1.9
	5	≥3,460	25	32.2	36	1.9
Speaking	1	≥4,990	0	8.9	17	4.7
	2	≥3,890	12	16.1	20	1.3
	3	≥3,700	15	18.3	22	1.1
	4	≥4,860	16	20.0	23	1.1
	5	≥5,560	18	22.1	25	1.2
Writing	1	≥5,590	0	4.3	12	2.8
	2	≥3,610	5	11.6	16	1.7
	3	≥6,830	8	15.7	21	1.7
	4	≥3,560	13	18.6	22	1.2
	5	≥3,430	14	20.6	24	1.2
Overall	Emerging	≥2,390	0	35.3	64	11.1
	Progressing	≥15,300	24	73.6	98	12.2
	Proficient	≥5,260	83	96.1	110	4.3

Table S2.4: Summative Raw Score Summary - Grade 3

Domain	Level	N	Min	Mean	Max	SD
Listening	1	≥1,150	0	9.6	15	2.5
	2	≥990	10	15.2	19	1.6
	3	≥4,950	14	21.1	25	2.0
	4	≥6,830	20	24.2	26	1.1
	5	≥5,610	23	25.4	26	0.7
Reading	1	≥5,820	0	16.0	26	3.5
	2	≥3,040	15	22.9	31	2.2
	3	≥5,860	19	28.6	35	2.3
	4	≥2,830	25	32.1	36	1.5
	5	≥1,880	28	34.0	36	1.3
Speaking	1	≥3,470	0	8.5	18	5.2
	2	≥2,320	12	16.7	21	1.3
	3	≥3,480	15	19.0	23	1.2
	4	≥5,300	16	20.8	24	1.1
	5	≥4,860	19	22.9	25	1.1
Writing	1	≥5,490	0	7.5	17	4.5
	2	≥3,130	9	15.7	20	1.4
	3	≥5,970	12	18.6	23	1.3
	4	≥2,950	17	20.6	23	0.9
	5	≥1,870	19	22.0	24	1.0
Overall	Emerging	≥2,020	0	37.5	76	12.4
	Progressing	≥13,650	33	82.7	104	12.6
	Proficient	≥3,700	92	100.9	110	2.9

Table S2.5: Summative Raw Score Summary - Grade 4

Domain	Level	N	Min	Mean	Max	SD
Listening	1	≥1,420	0	10.7	19	3.2
	2	≥1,040	12	17.2	22	1.8
	3	≥3,340	15	22.3	28	2.1
	4	≥6,780	20	26.8	32	1.7
	5	≥4,000	26	29.8	32	1.2
Reading	1	≥3,820	0	7.8	17	2.2
	2	≥2,330	7	11.7	19	1.6
	3	≥5,250	9	16.8	24	2.3
	4	≥3,080	17	22.0	29	1.7
	5	≥1,990	21	25.9	30	1.8
Speaking	1	≥2,450	0	8.1	17	4.8
	2	≥1,770	11	17.3	22	1.6
	3	≥3,320	15	20.5	24	1.3
	4	≥4,920	18	23.0	27	1.2
	5	≥4,050	21	25.5	30	1.3
Writing	1	≥3,210	0	5.8	16	3.5
	2	≥2,100	9	15.1	22	2.0
	3	≥8,100	13	22.0	28	2.3
	4	≥2,000	20	25.5	29	1.0
	5	≥1,070	23	27.1	30	1.1
Overall	Emerging	≥2,200	0	35.4	66	12.3
	Progressing	≥11,550	34	82.7	109	13.2
	Proficient	≥2,680	92	103.8	119	4.3

Table S2.6: Summative Raw Score Summary - Grade 5

Domain	Level	N	Min	Mean	Max	SD
Listening	1	≥1,470	0	12.0	20	3.6
	2	≥1,090	14	19.4	25	1.9
	3	≥1,770	18	23.3	28	1.7
	4	≥6,340	21	27.3	32	1.7
	5	≥3,260	27	30.3	32	1.1
Reading	1	≥3,180	0	8.5	16	2.4
	2	≥2,110	8	13.8	20	1.9
	3	≥5,250	13	20.0	27	2.5
	4	≥2,140	20	24.8	29	1.6
	5	≥1,140	23	27.5	30	1.5
Speaking	1	≥2,440	0	9.2	20	5.4
	2	≥1,780	12	18.8	23	1.5
	3	≥4,090	16	22.1	26	1.3
	4	≥3,260	21	24.3	28	1.0
	5	≥2,280	22	26.3	30	1.1
Writing	1	≥2,260	0	5.8	17	3.4
	2	≥1,420	8	15.7	21	2.1
	3	≥8,270	15	23.2	28	2.3
	4	≥1,270	23	26.7	30	1.0
	5	≥600	25	27.9	30	1.0
Overall	Emerging	≥2,220	2	40.2	76	14.5
	Progressing	≥10,070	42	89.9	111	11.9
	Proficient	≥1,510	98	108.1	118	3.3

Table S2.7: Summative Raw Score Summary - Grade 6

Domain	Level	N	Min	Mean	Max	SD
Listening	1	≥1,290	0	14.8	23	3.9
	2	≥940	13	21.3	28	2.1
	3	≥3,060	19	26.6	35	2.5
	4	≥4,570	25	32.1	37	1.9
	5	≥2,870	31	35.6	38	1.3
Reading	1	≥2,950	0	9.3	17	2.4
	2	≥2,260	8	13.7	20	1.8
	3	≥4,850	12	19.2	29	2.4
	4	≥1,650	20	24.4	31	1.6
	5	≥920	23	28.0	33	1.9
Speaking	1	≥2,230	0	5.7	14	4.0
	2	≥1,460	9	14.4	17	1.4
	3	≥3,790	13	18.1	21	1.3
	4	≥2,740	17	20.7	23	0.9
	5	≥2,450	18	23.1	27	1.3
Writing	1	≥2,130	0	3.5	12	2.8
	2	≥1,400	6	12.1	17	1.9
	3	≥6,630	12	18.4	24	2.1
	4	≥1,480	19	21.8	26	1.0
	5	≥1,000	20	23.6	28	1.3
Overall	Emerging	≥1,990	0	38.1	69	12.0
	Progressing	≥9,050	34	83.9	111	12.8
	Proficient	≥1,560	94	105.8	124	4.5

Table S2.8: Summative Raw Score Summary - Grade 7

Domain	Level	N	Min	Mean	Max	SD
Listening	1	≥1,850	0	16.7	28	4.3
	2	≥1,520	17	24.5	31	2.4
	3	≥4,250	22	30.8	37	2.4
	4	≥2,410	30	34.6	38	1.3
	5	≥1,660	33	36.4	38	1.1
Reading	1	≥3,680	0	10.7	19	2.8
	2	≥2,870	11	17.3	24	2.0
	3	≥3,860	16	23.0	30	2.3
	4	≥810	23	27.5	32	1.4
	5	≥410	26	30.0	33	1.5
Speaking	1	≥2,390	0	6.1	15	4.3
	2	≥1,710	10	15.5	19	1.5
	3	≥3,870	14	19.2	23	1.3
	4	≥1,960	19	21.6	25	0.9
	5	≥1,700	21	23.7	27	1.2
Writing	1	≥3,110	0	7.0	17	5.0
	2	≥2,220	12	17.0	21	1.5
	3	≥4,920	16	20.6	25	1.5
	4	≥840	20	23.2	26	0.9
	5	≥540	21	24.7	28	1.1
Overall	Emerging	≥2,810	0	46.1	84	15.9
	Progressing	≥8,040	47	91.0	114	11.0
	Proficient	≥740	102	110.9	123	3.6

Table S2.9: Summative Raw Score Summary - Grade 8

Domain	Level	N	Min	Mean	Max	SD
Listening	1	≥1,880	0	16.9	26	4.3
	2	≥1,360	18	25.0	32	2.3
	3	≥3,990	24	31.5	38	2.3
	4	≥2,720	31	35.2	38	1.2
	5	≥1,970	32	36.7	38	1.0
Reading	1	≥3,540	0	11.2	20	3.0
	2	≥2,660	12	18.4	25	2.1
	3	≥4,570	18	24.8	32	2.4
	4	≥690	25	29.3	33	1.3
	5	≥370	27	31.1	33	1.2
Speaking	1	≥2,340	0	5.8	14	4.4
	2	≥1,480	9	15.5	19	1.5
	3	≥4,050	14	19.4	23	1.3
	4	≥1,960	18	21.8	25	0.9
	5	≥2,020	20	24.0	27	1.2
Writing	1	≥3,170	0	7.6	19	5.3
	2	≥2,180	11	17.8	22	1.5
	3	≥5,140	16	21.5	26	1.5
	4	≥800	21	24.0	27	0.9
	5	≥550	22	25.4	28	1.1
Overall	Emerging	≥2,760	3	46.7	84	16.2
	Progressing	≥8,320	49	95.1	117	11.3
	Proficient	≥690	107	114.0	124	2.9

Table S2.10: Summative Raw Score Summary - Grade 9

Domain	Level	N	Min	Mean	Max	SD
Listening	1	≥4,260	0	8.4	16	2.6
	2	≥1,930	8	13.5	20	1.8
	3	≥4,870	11	18.4	25	2.3
	4	≥2,350	17	22.3	26	1.5
	5	≥1,400	20	24.3	26	1.2
Reading	1	≥6,320	0	10.3	20	2.9
	2	≥3,110	10	18.0	27	2.6
	3	≥4,530	17	26.0	36	3.3
	4	≥540	29	33.0	38	1.6
	5	≥270	31	36.1	40	1.7
Speaking	1	≥4,400	0	4.1	12	3.5
	2	≥2,500	9	14.4	19	2.0
	3	≥4,900	13	20.1	24	1.6
	4	≥1,550	20	23.2	25	0.8
	5	≥1,380	23	25.3	27	1.0
Writing	1	≥5,680	0	5.6	16	4.4
	2	≥2,950	10	15.5	21	1.5
	3	≥5,240	14	19.5	25	1.7
	4	≥540	19	22.7	26	1.0
	5	≥320	22	24.3	28	1.1
Overall	Emerging	≥5,560	0	33.1	70	13.0
	Progressing	≥8,700	34	80.2	110	13.2
	Proficient	≥380	98	106.2	118	3.8

Table S2.11: Summative Raw Score Summary - Grade 10

Domain	Level	N	Min	Mean	Max	SD
Listening	1	≥2,770	0	8.8	16	2.5
	2	≥1,680	8	13.6	20	1.8
	3	≥4,170	11	18.6	26	2.3
	4	≥2,360	18	22.4	26	1.5
	5	≥1,880	20	24.4	26	1.2
Reading	1	≥4,550	0	10.5	20	2.9
	2	≥2,660	10	18.1	29	2.6
	3	≥4,440	17	26.3	36	3.4
	4	≥690	28	32.9	38	1.6
	5	≥480	31	36.0	40	1.6
Speaking	1	≥2,840	0	4.7	12	3.6
	2	≥2,160	9	14.4	19	2.1
	3	≥4,380	14	20.1	25	1.6
	4	≥1,700	20	23.2	25	0.9
	5	≥1,700	22	25.3	27	1.0
Writing	1	≥4,040	0	6.8	16	4.4
	2	≥2,540	11	15.5	21	1.5
	3	≥5,000	14	19.6	26	1.7
	4	≥740	19	22.6	26	1.1
	5	≥480	21	24.2	27	1.1
Overall	Emerging	≥3,910	0	36.4	73	12.6
	Progressing	≥8,160	37	81.8	111	13.3
	Proficient	≥650	98	106.4	117	3.6

Table S2.12: Summative Raw Score Summary - Grade 11

Domain	Level	N	Min	Mean	Max	SD
Listening	1	≥1,250	0	9.2	15	2.4
	2	≥1,150	8	13.6	20	1.9
	3	≥3,280	10	18.7	25	2.4
	4	≥2,130	17	22.4	26	1.5
	5	≥2,210	20	24.4	26	1.2
Reading	1	≥2,570	0	10.8	20	3.0
	2	≥2,030	10	18.0	26	2.6
	3	≥3,950	17	26.4	37	3.4
	4	≥850	28	33.0	38	1.6
	5	≥610	31	35.9	40	1.7
Speaking	1	≥1,370	0	4.7	12	3.7
	2	≥1,400	9	14.6	19	2.0
	3	≥3,630	14	20.2	24	1.6
	4	≥1,710	19	23.2	25	0.8
	5	≥1,840	22	25.3	27	1.0
Writing	1	≥2,120	0	7.6	16	4.3
	2	≥2,030	10	15.5	20	1.5
	3	≥4,340	14	19.7	25	1.7
	4	≥880	20	22.6	26	1.0
	5	≥590	21	24.3	28	1.2
Overall	Emerging	≥1,990	9	39.3	69	12.4
	Progressing	≥7,060	34	83.3	110	13.4
	Proficient	≥870	97	106.5	120	3.7

Table S2.13: Summative Raw Score Summary - Grade 12

Domain	Level	N	Min	Mean	Max	SD
Listening	1	≥790	0	9.1	15	2.4
	2	≥960	8	13.7	20	1.9
	3	≥2,890	10	18.8	25	2.4
	4	≥1,750	18	22.4	26	1.5
	5	≥1,730	19	24.3	26	1.2
Reading	1	≥1,910	0	10.9	20	2.9
	2	≥1,770	10	17.9	27	2.7
	3	≥3,280	18	26.5	35	3.4
	4	≥670	28	33.1	39	1.7
	5	≥460	30	36.0	40	1.7
Speaking	1	≥900	0	4.1	12	3.8
	2	≥1,210	8	14.6	19	2.1
	3	≥2,940	14	20.1	24	1.6
	4	≥1,470	20	23.2	25	0.8
	5	≥1,540	21	25.3	27	1.0
Writing	1	≥1,540	0	8.3	15	4.2
	2	≥1,800	10	15.4	20	1.6
	3	≥3,620	14	19.6	25	1.7
	4	≥670	19	22.6	25	1.0
	5	≥450	21	24.2	28	1.1
Overall	Emerging	≥1,370	1	41.1	71	12.4
	Progressing	≥6,020	29	82.6	112	13.6
	Proficient	≥650	97	106.4	118	3.7

Section 3: Summative Assessment - Raw Score Distributions

Figure S3.1: Summative Raw Score Distributions - Kindergarten Listening

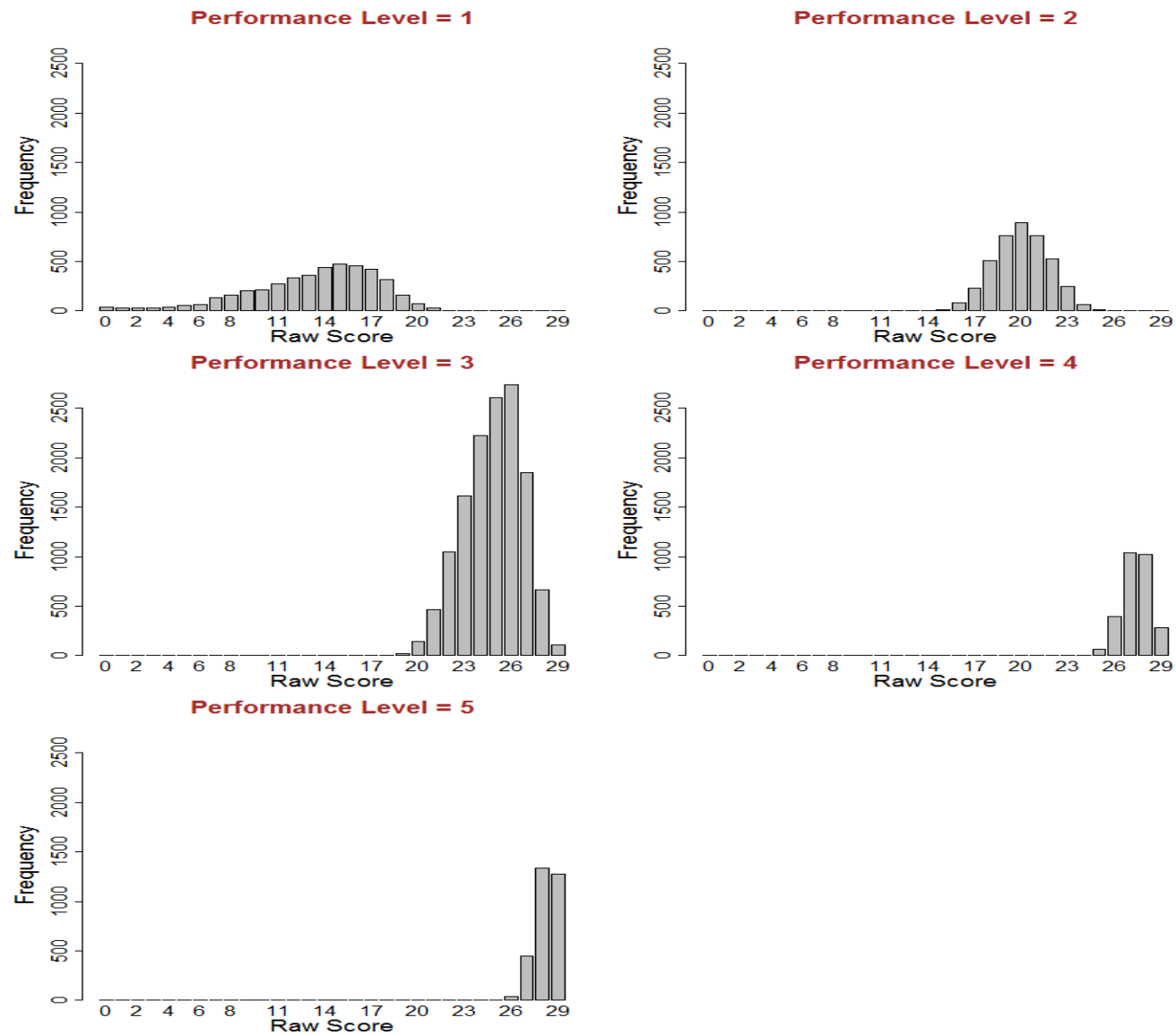


Figure S3.2: Summative Raw Score Distributions - Kindergarten Reading

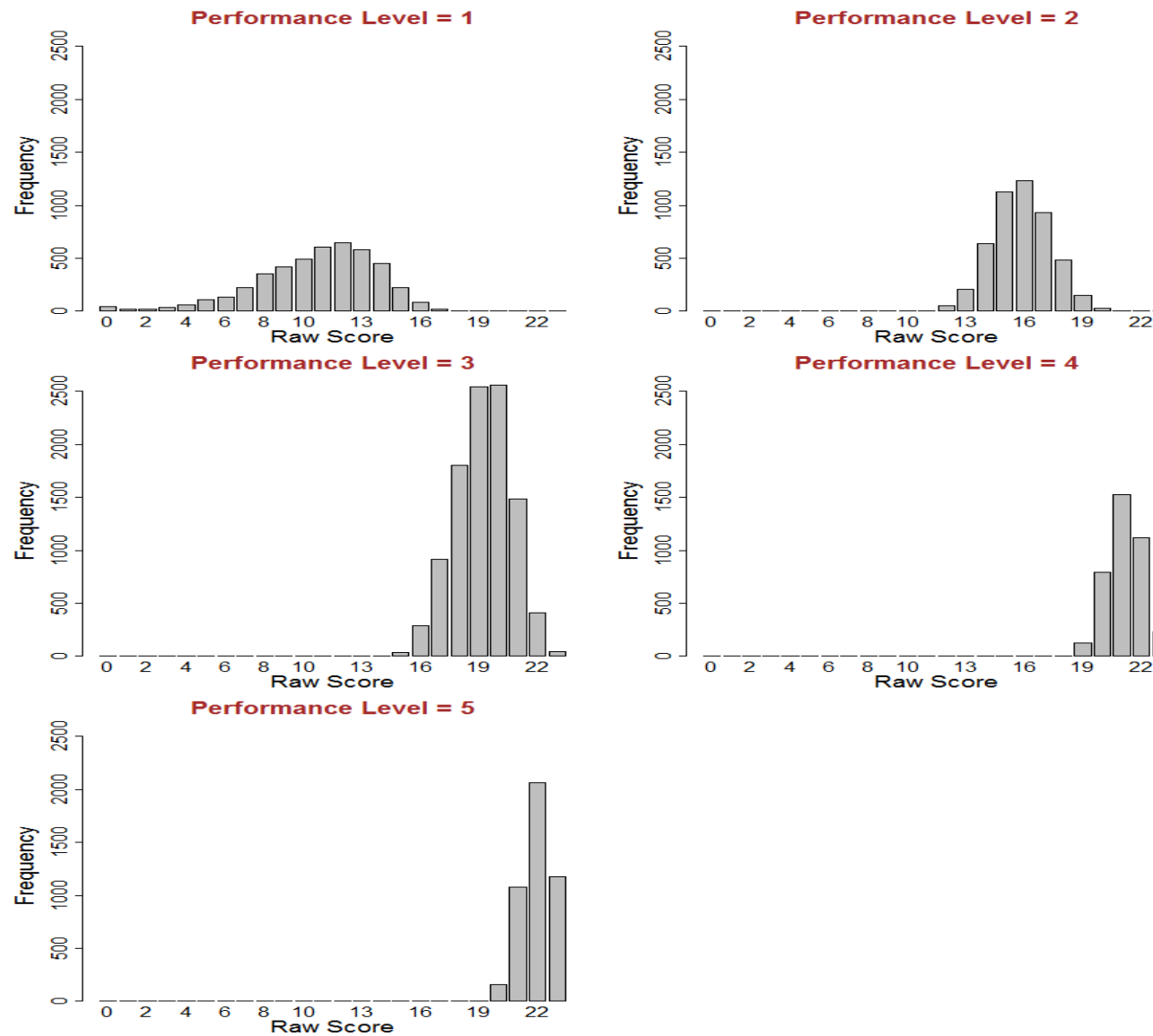


Figure S3.3: Summative Raw Score Distributions - Kindergarten Speaking

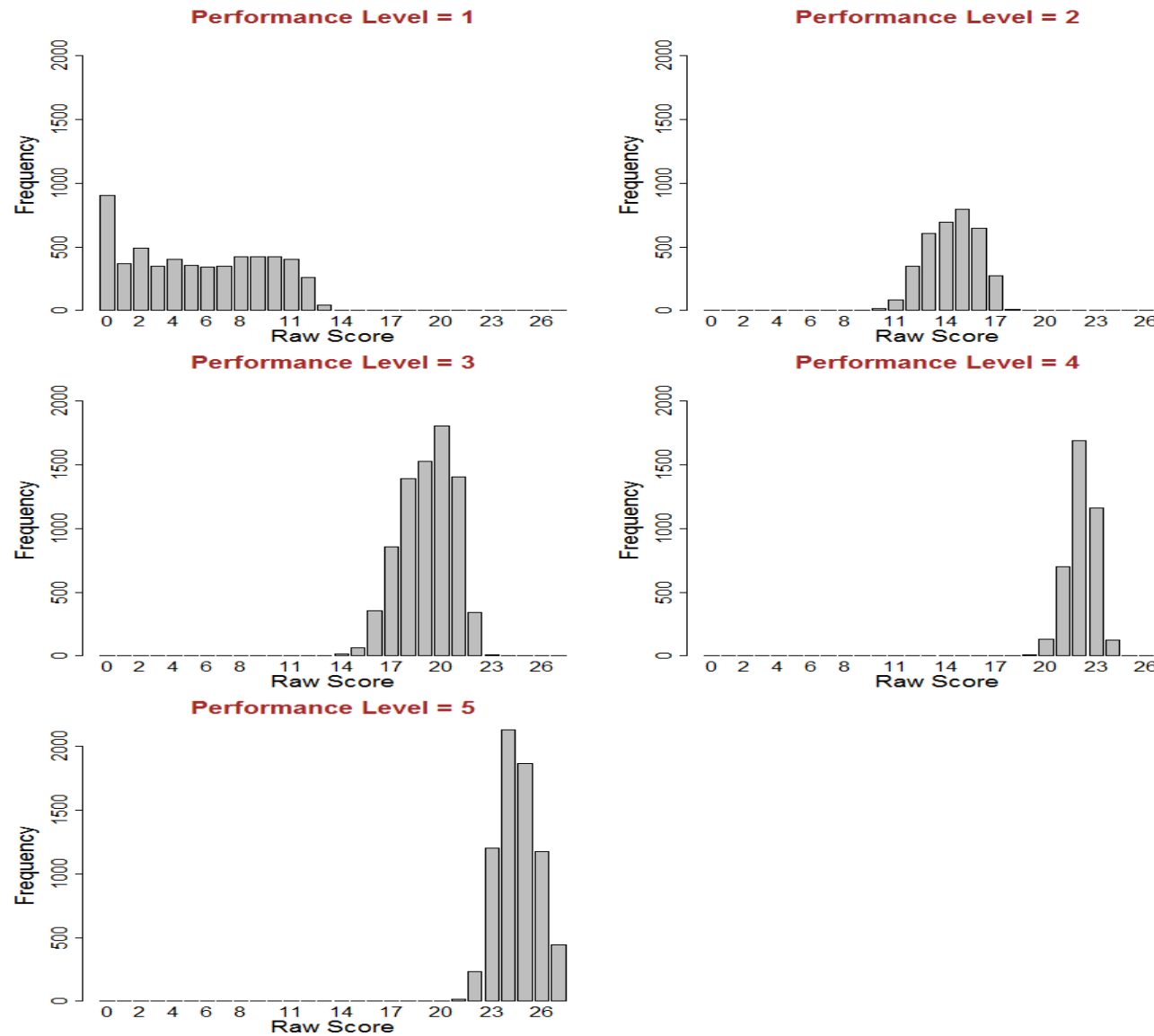


Figure S3.4: Summative Raw Score Distributions - Kindergarten Writing

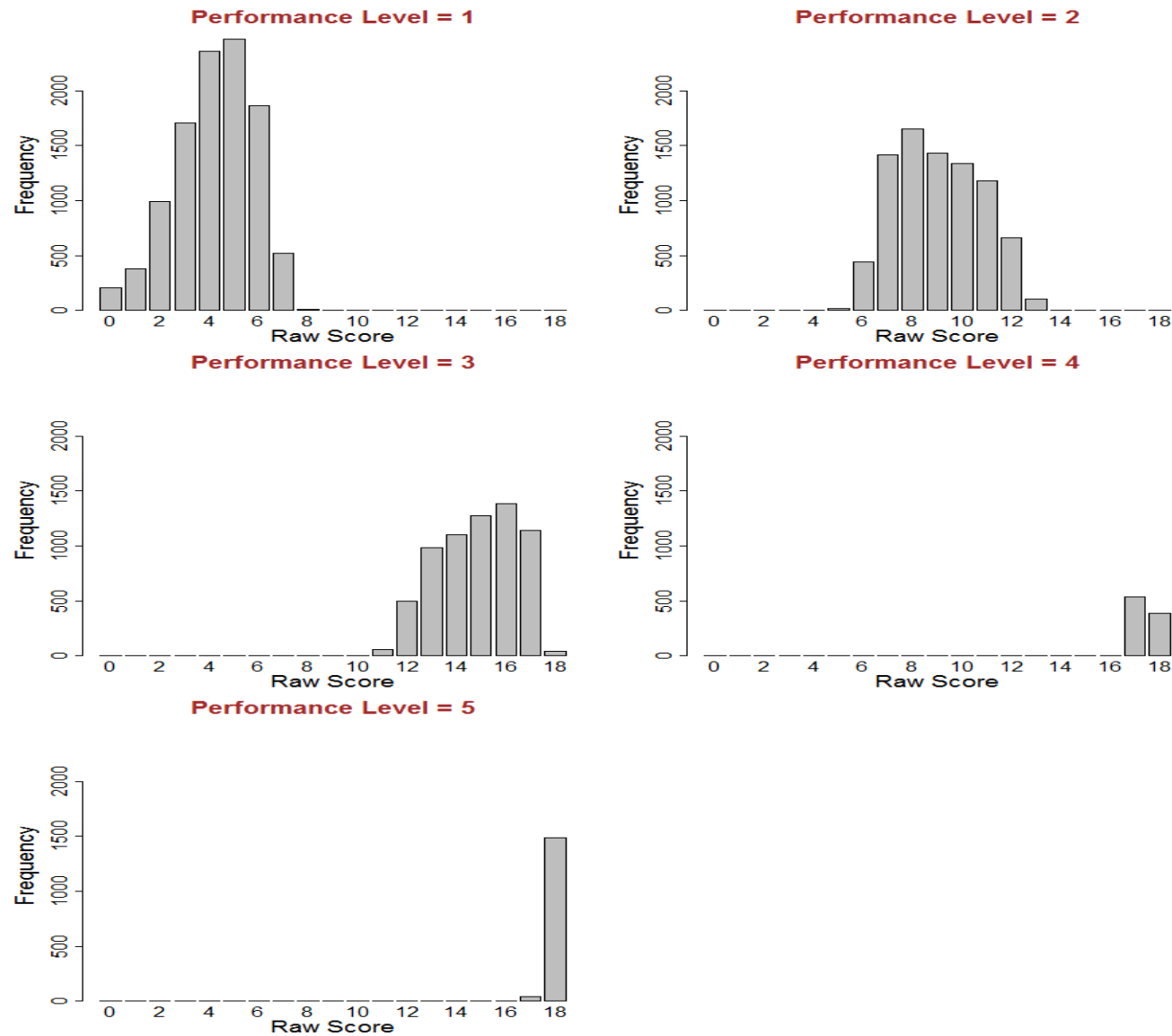


Figure S3.5: Summative Raw Score Distributions - Kindergarten Overall

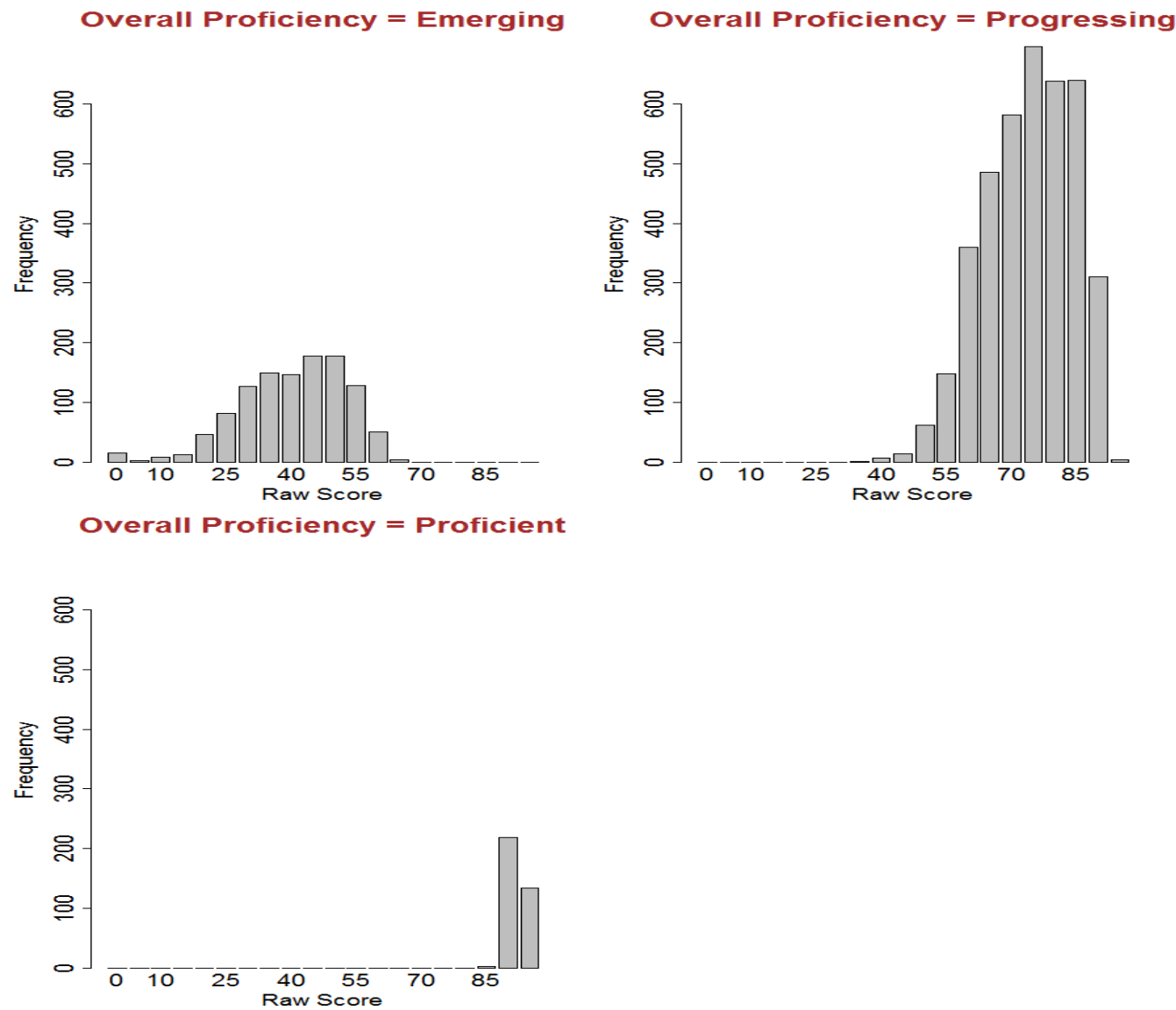


Figure S3.6: Summative Raw Score Distributions - Grade 1 Listening

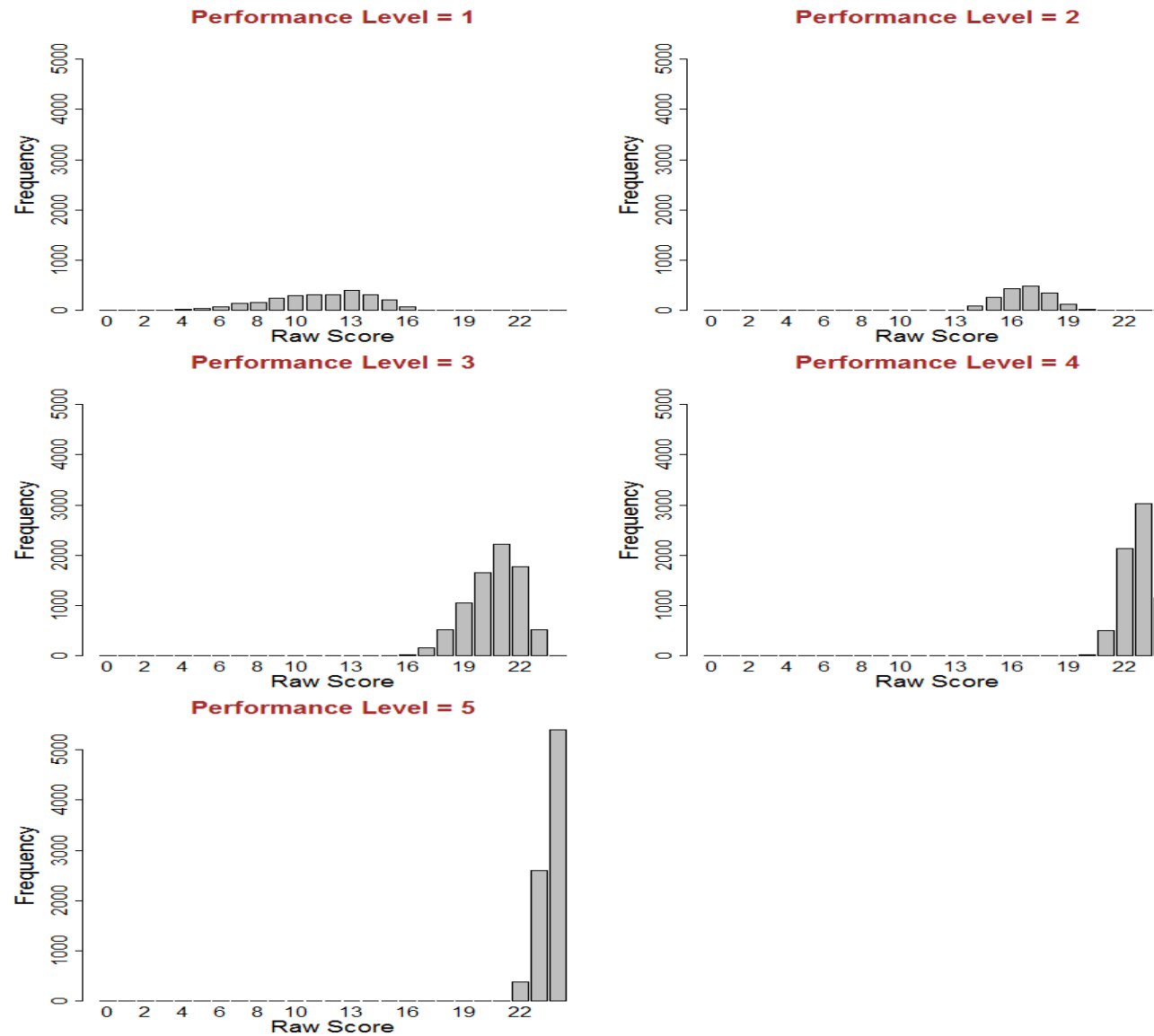


Figure S3.7: Summative Raw Score Distributions - Grade 1 Reading

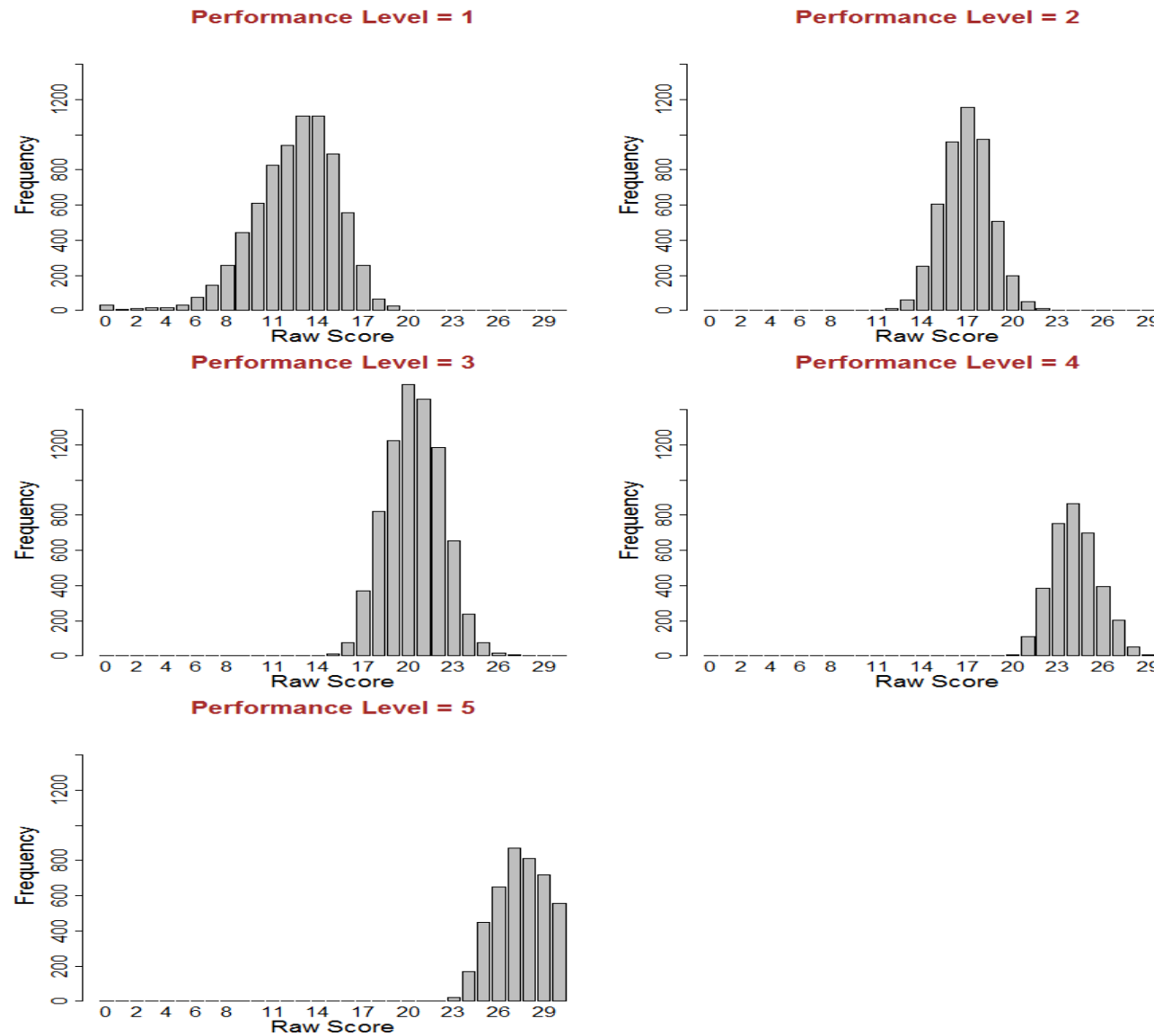


Figure S3.8: Summative Raw Score Distributions - Grade 1 Speaking

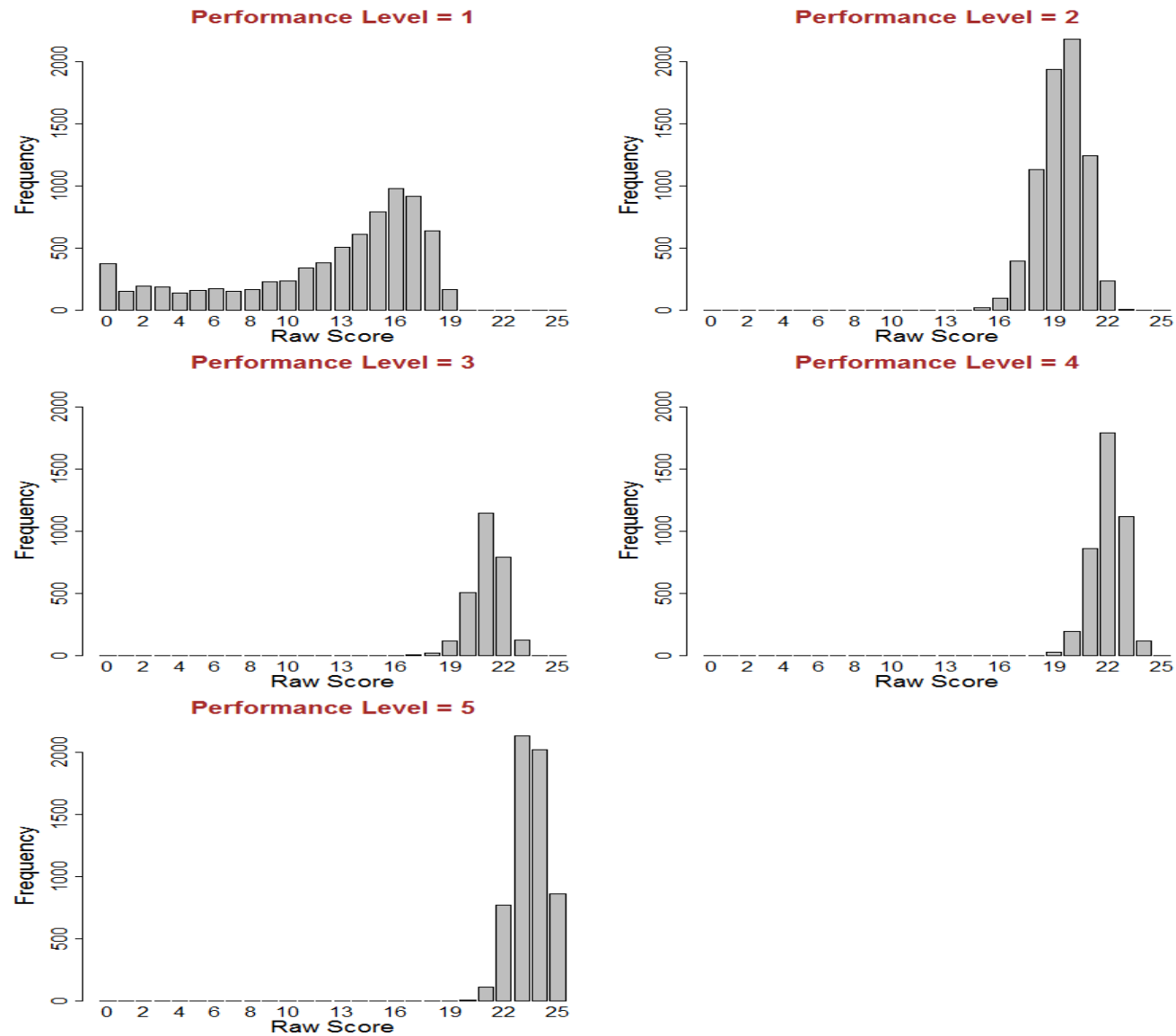


Figure S3.9: Summative Raw Score Distributions - Grade 1 Writing

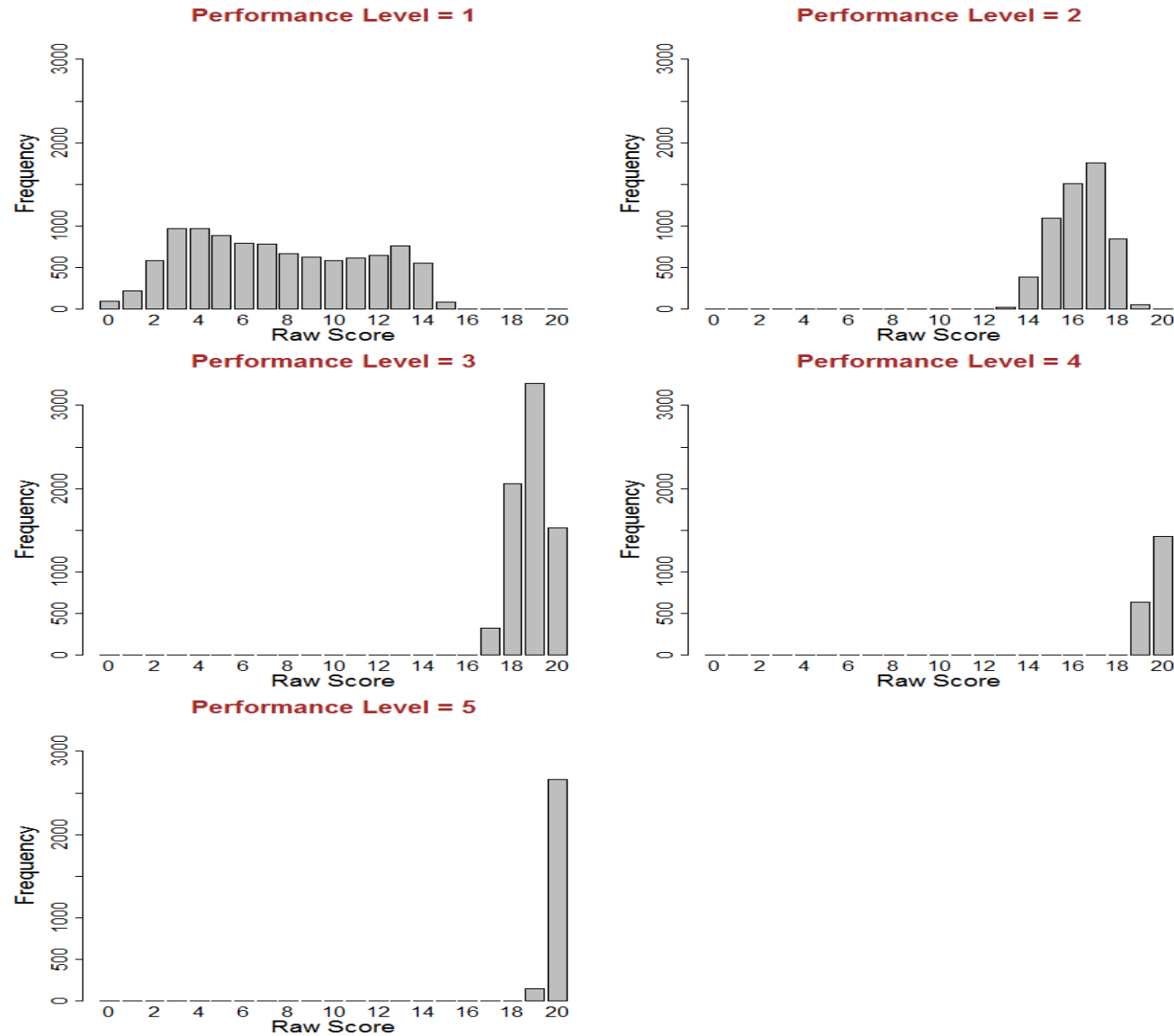


Figure S3.10: Summative Raw Score Distributions - Grade 1 Overall

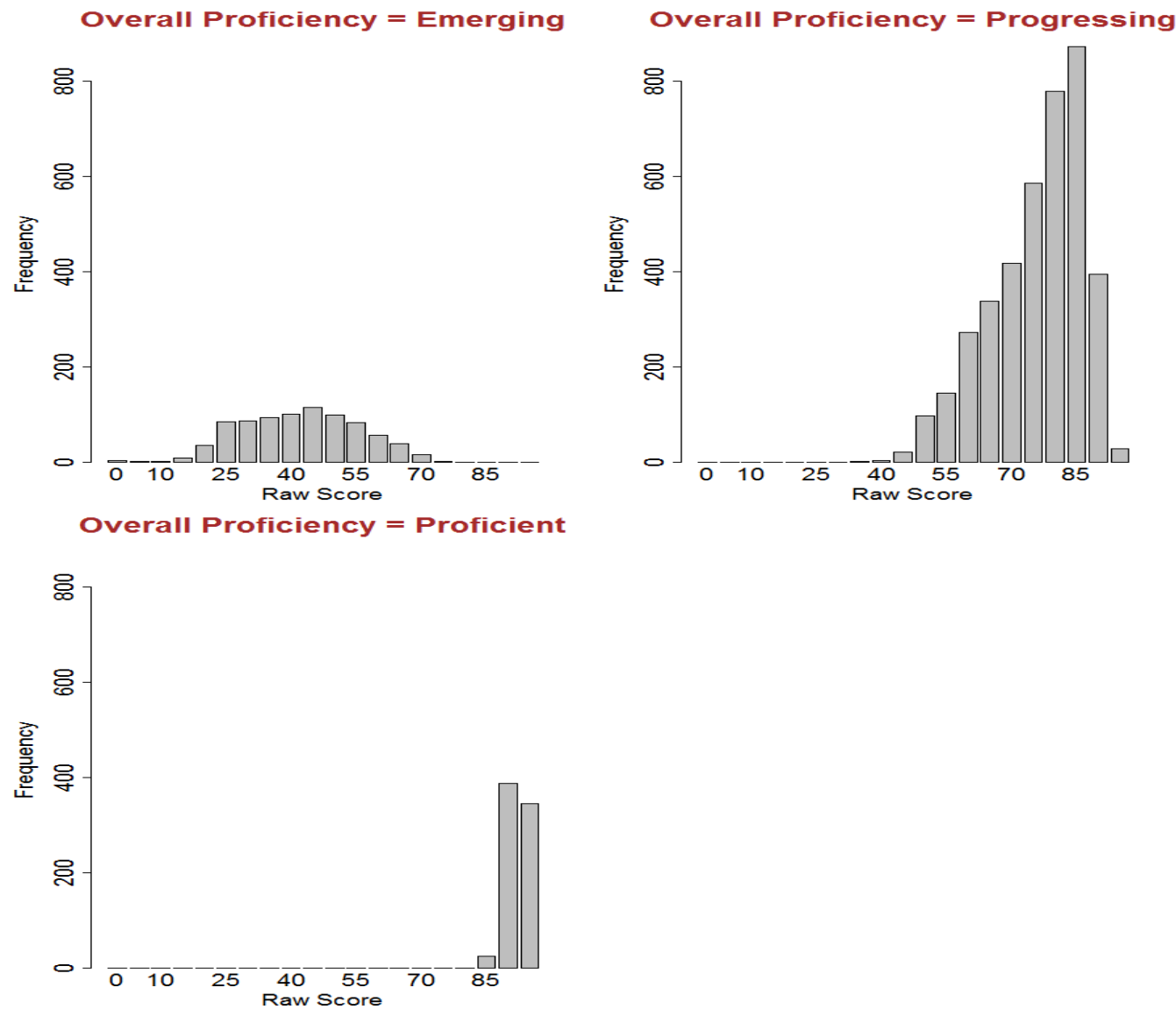


Figure S3.11: Summative Raw Score Distributions - Grade 2 Listening

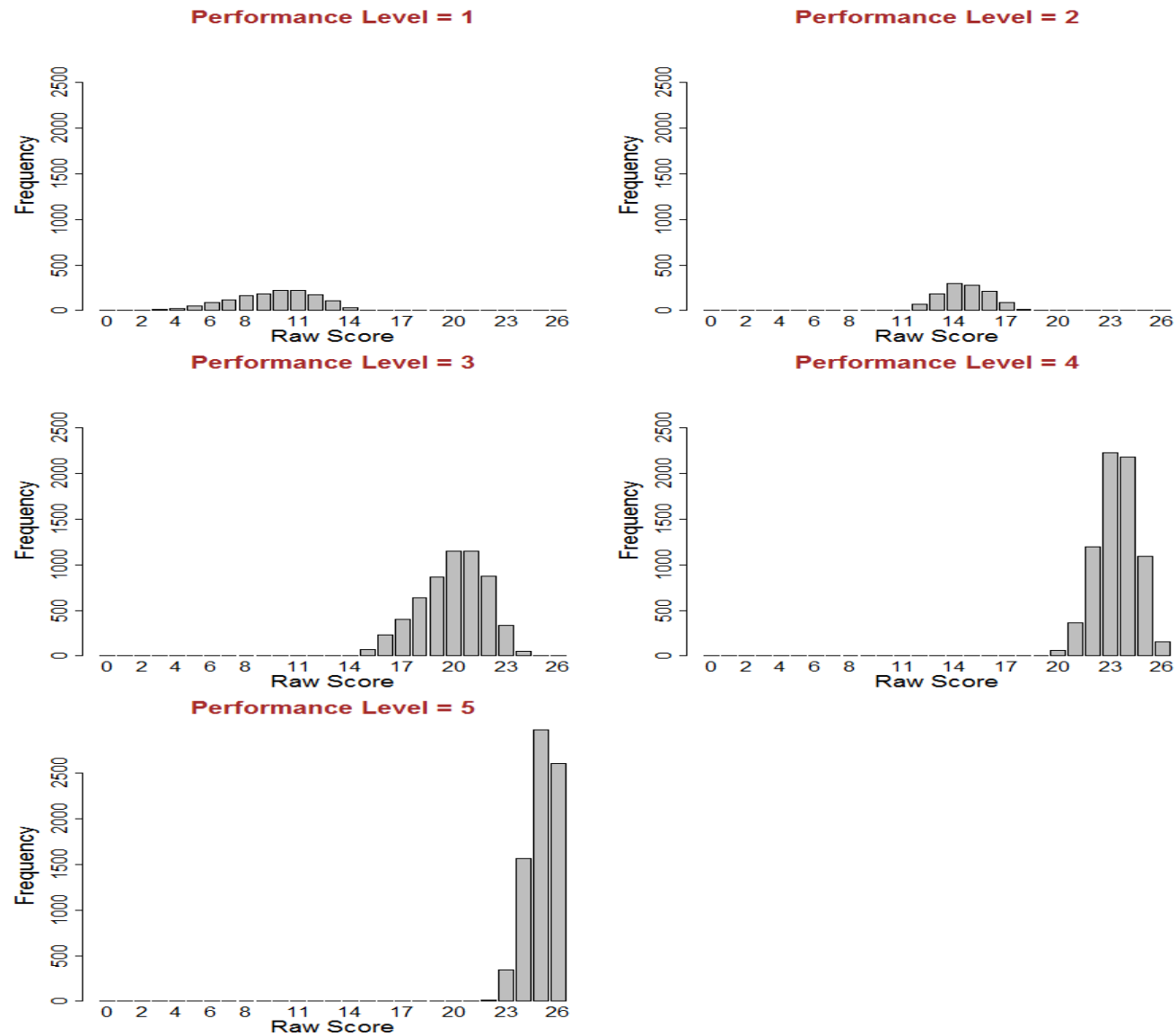


Figure S3.12: Summative Raw Score Distributions - Grade 2 Reading

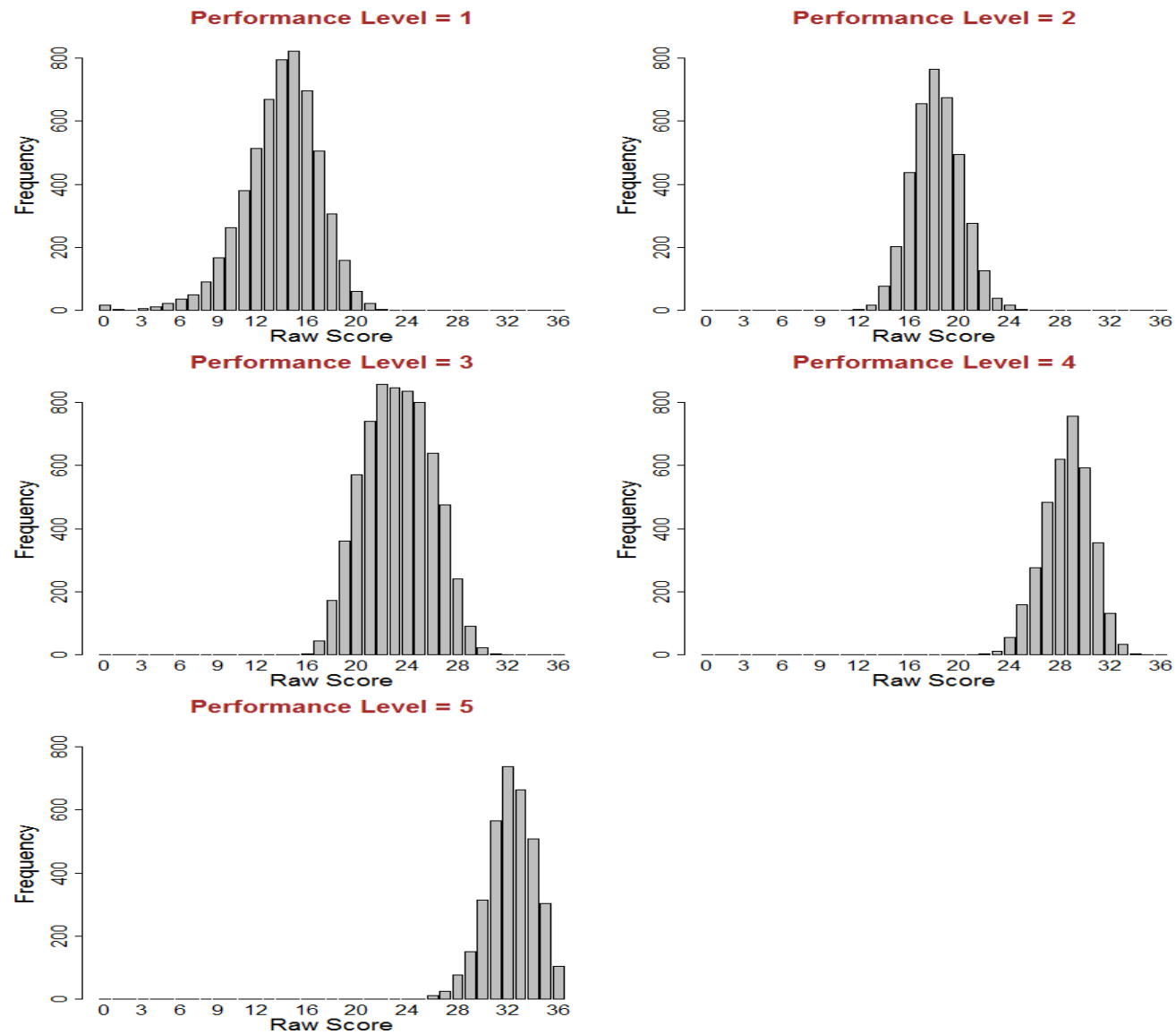


Figure S3.13: Summative Raw Score Distributions - Grade 2 Speaking

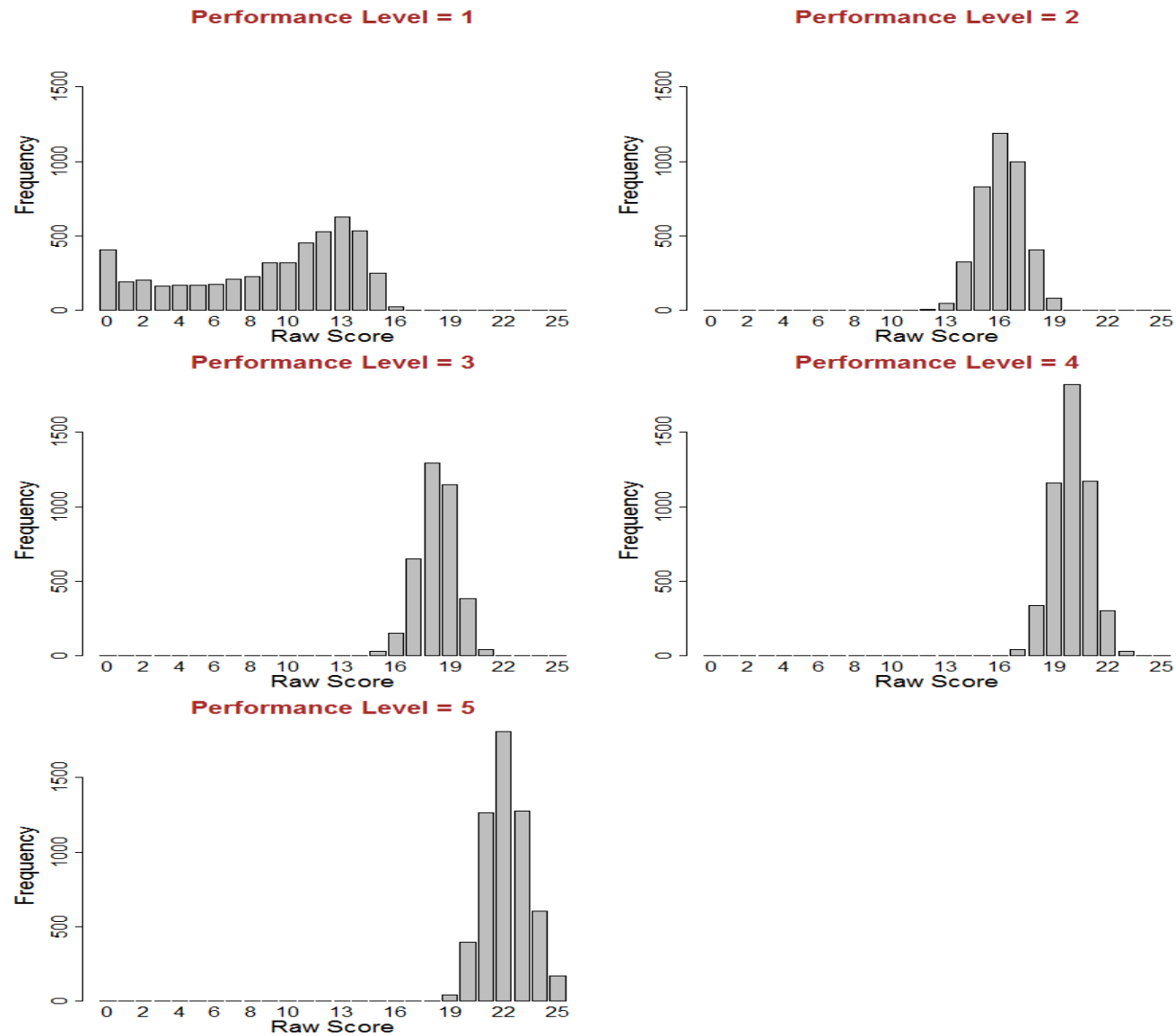


Figure S3.14: Summative Raw Score Distributions - Grade 2 Writing

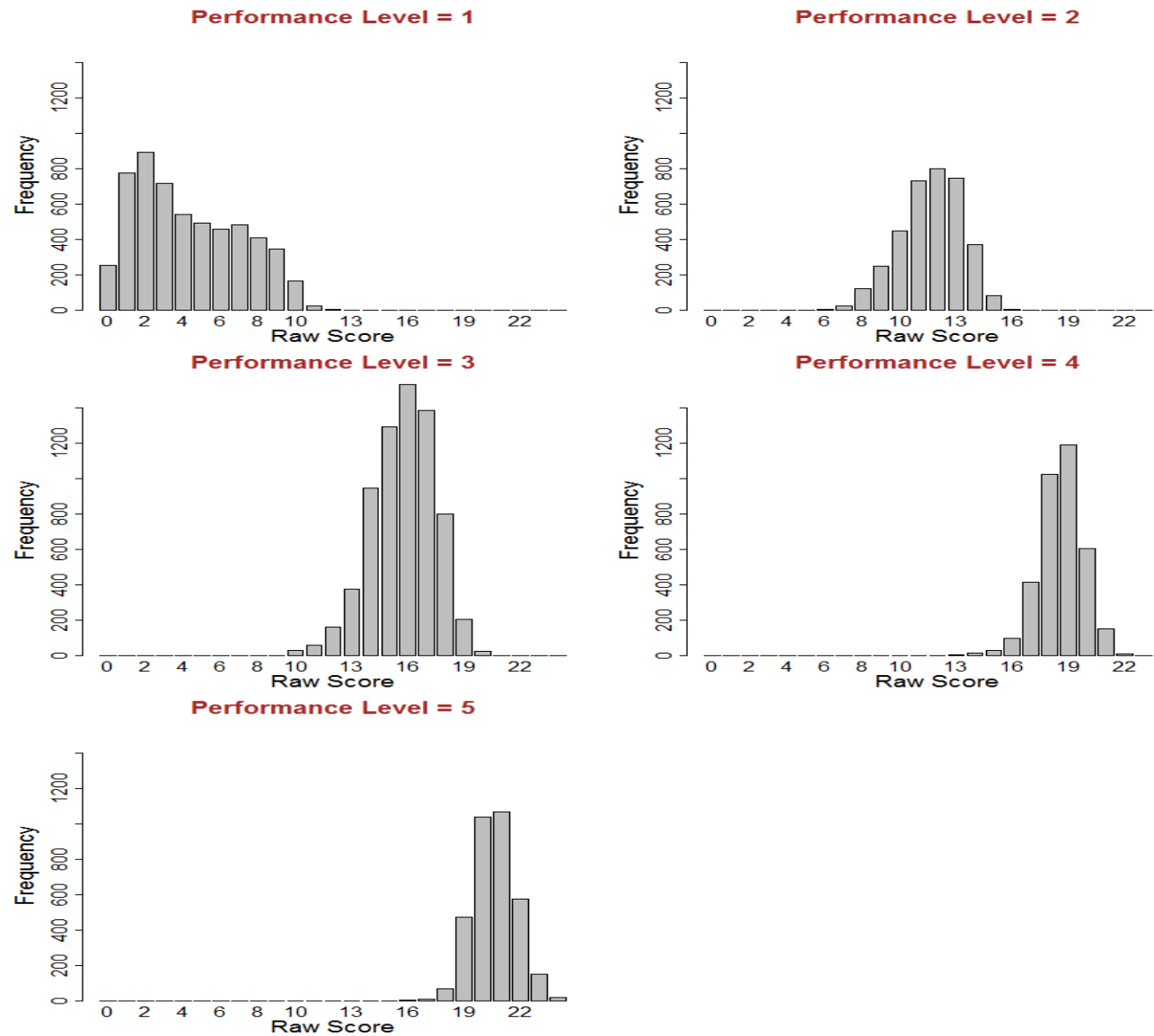


Figure S3.15: Summative Raw Score Distributions - Grade 2 Overall

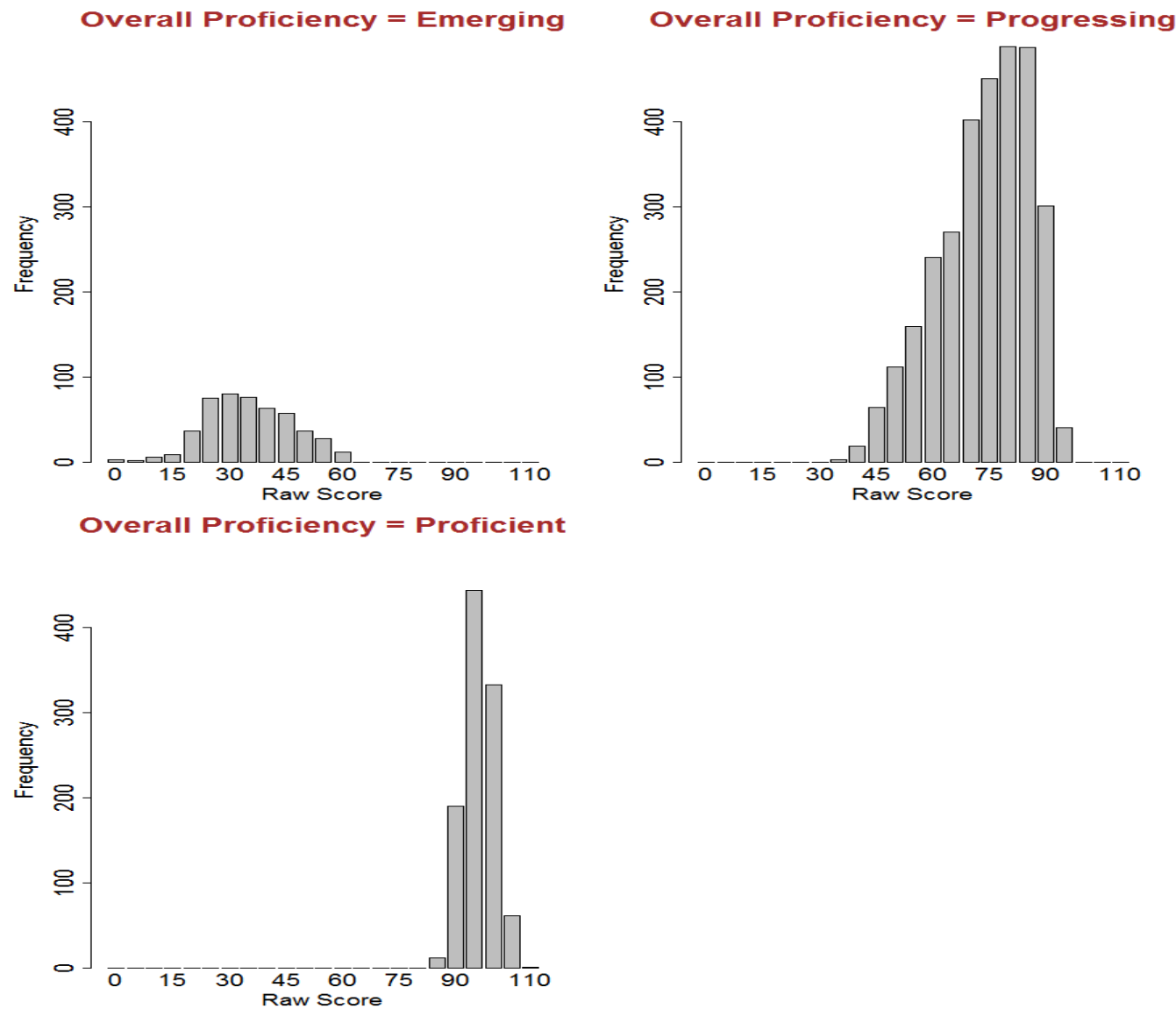


Figure S3.16: Summative Raw Score Distributions - Grade 3 Listening

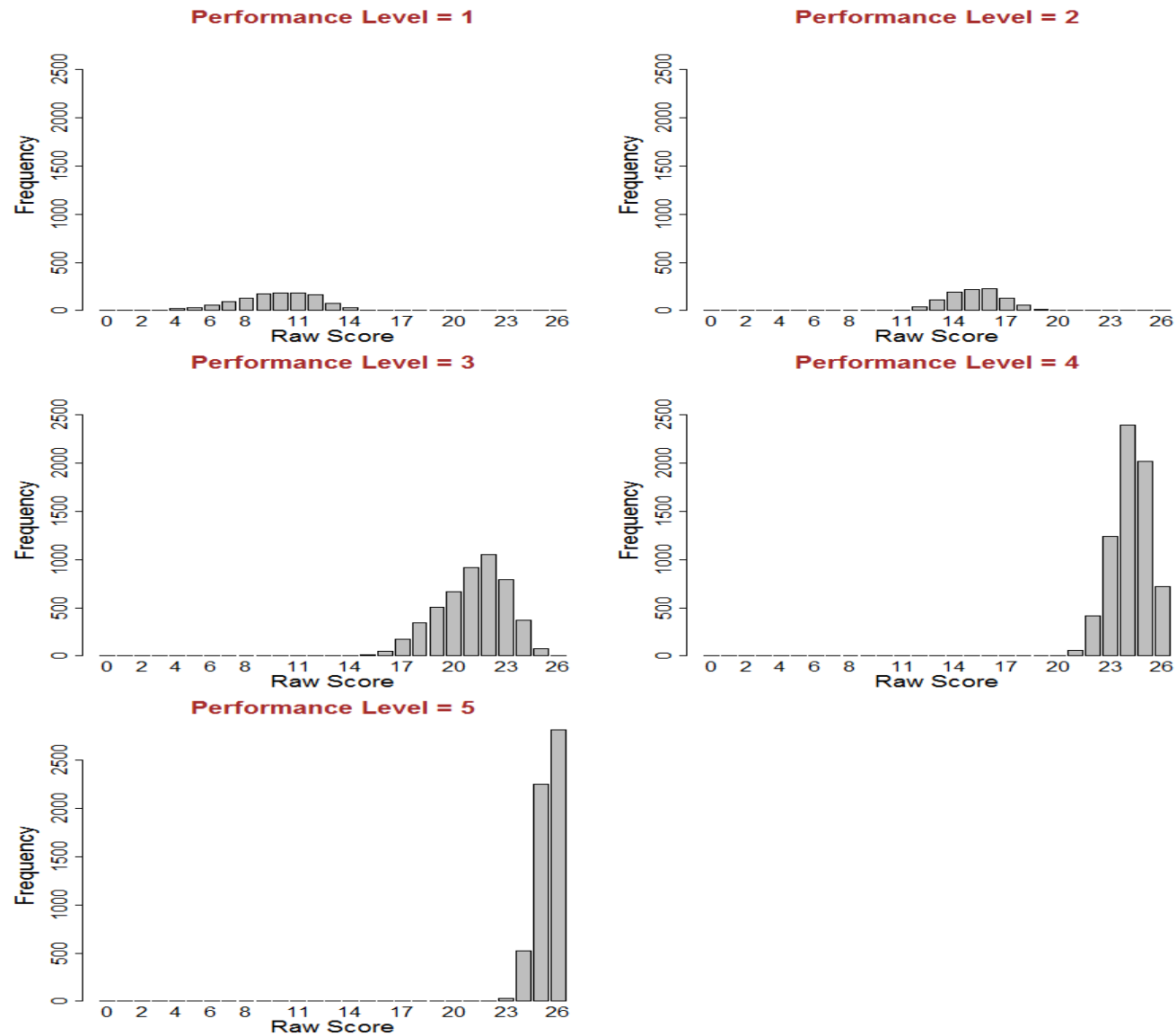


Figure S3.17: Summative Raw Score Distributions - Grade 3 Reading

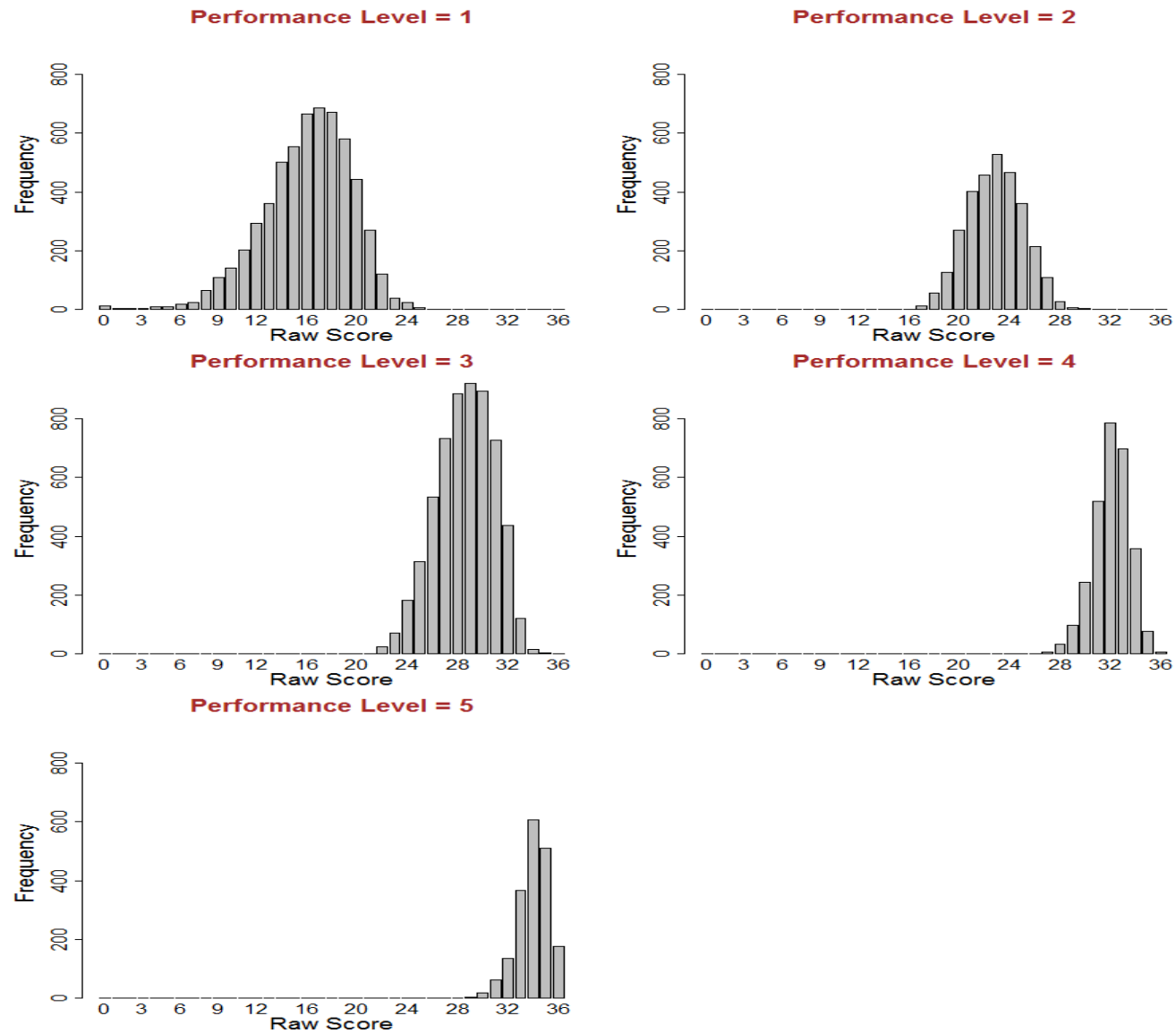


Figure S3.18: Summative Raw Score Distributions - Grade 3 Speaking

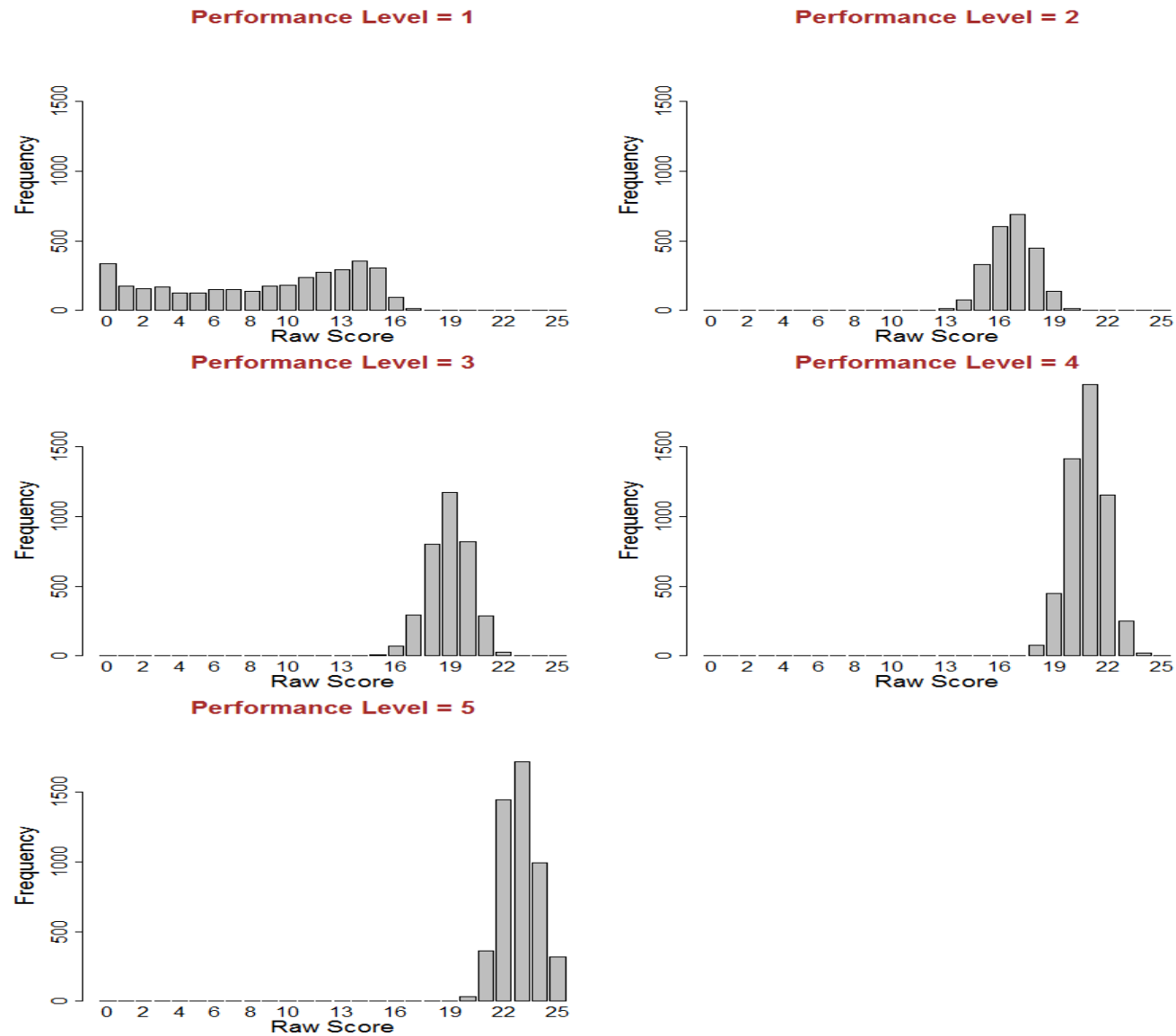


Figure S3.19: Summative Raw Score Distributions - Grade 3 Writing

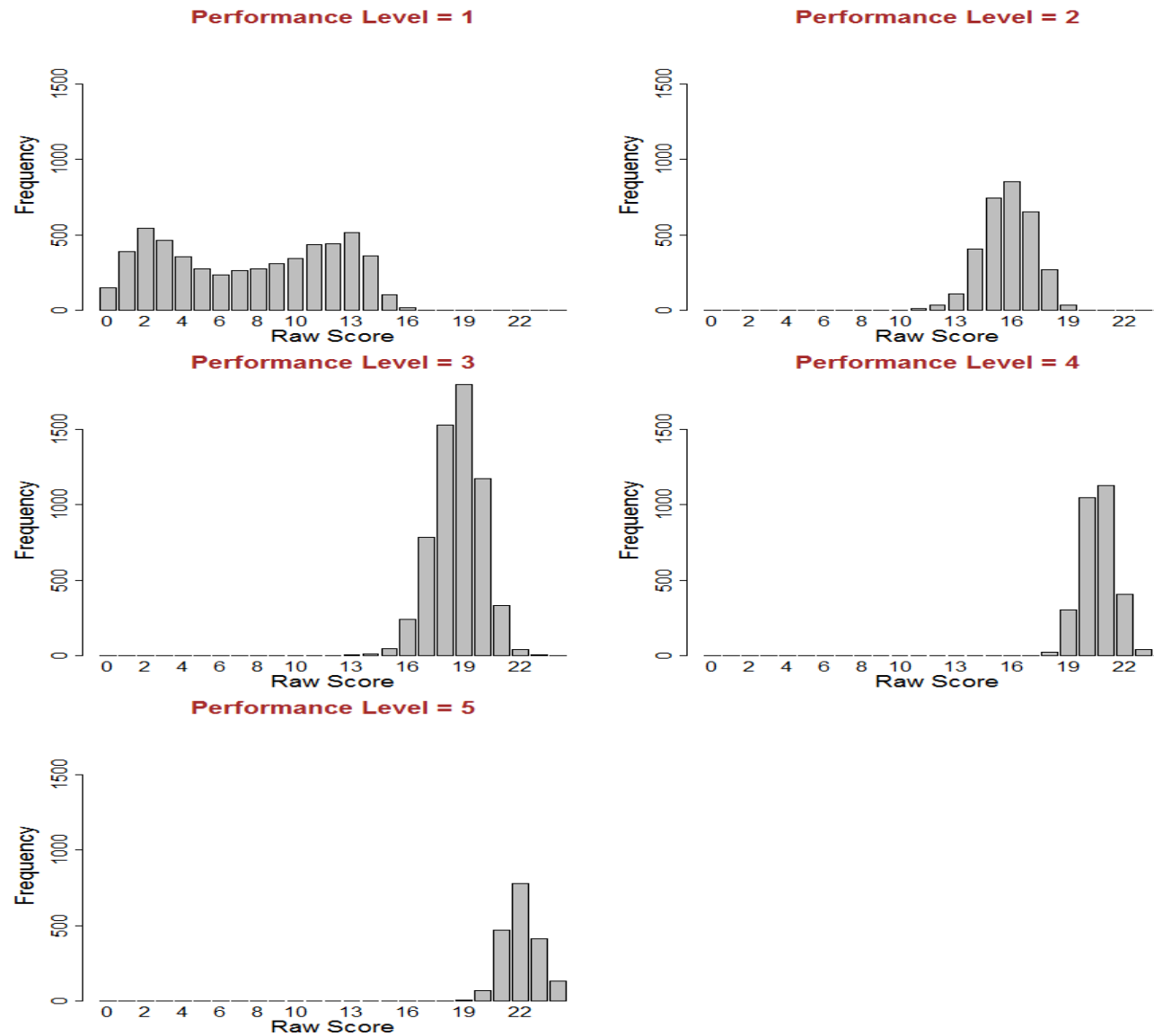


Figure S3.20: Summative Raw Score Distributions - Grade 3 Overall

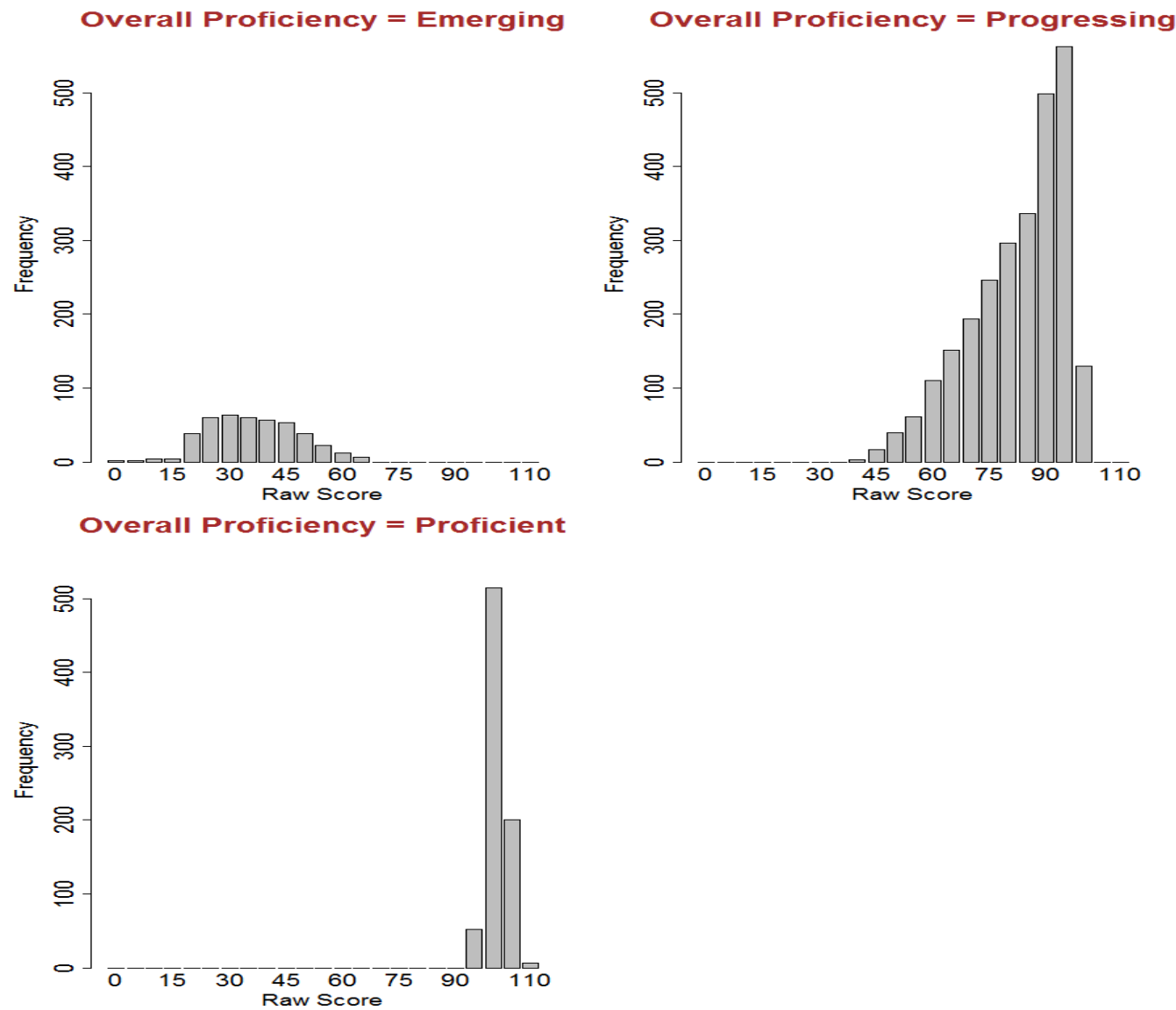


Figure S3.21: Summative Raw Score Distributions - Grade 4 Listening

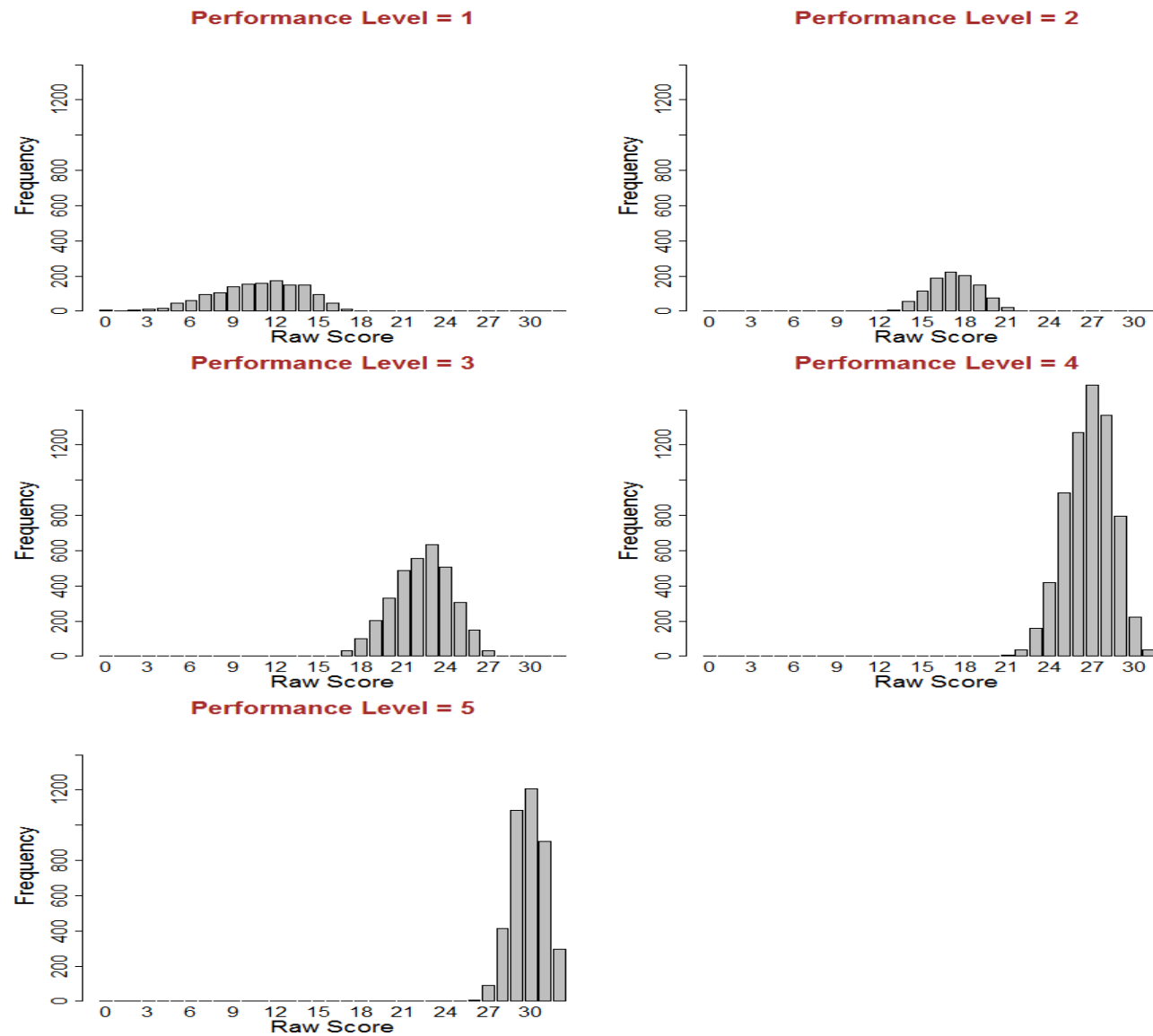


Figure S3.22: Summative Raw Score Distributions - Grade 4 Reading

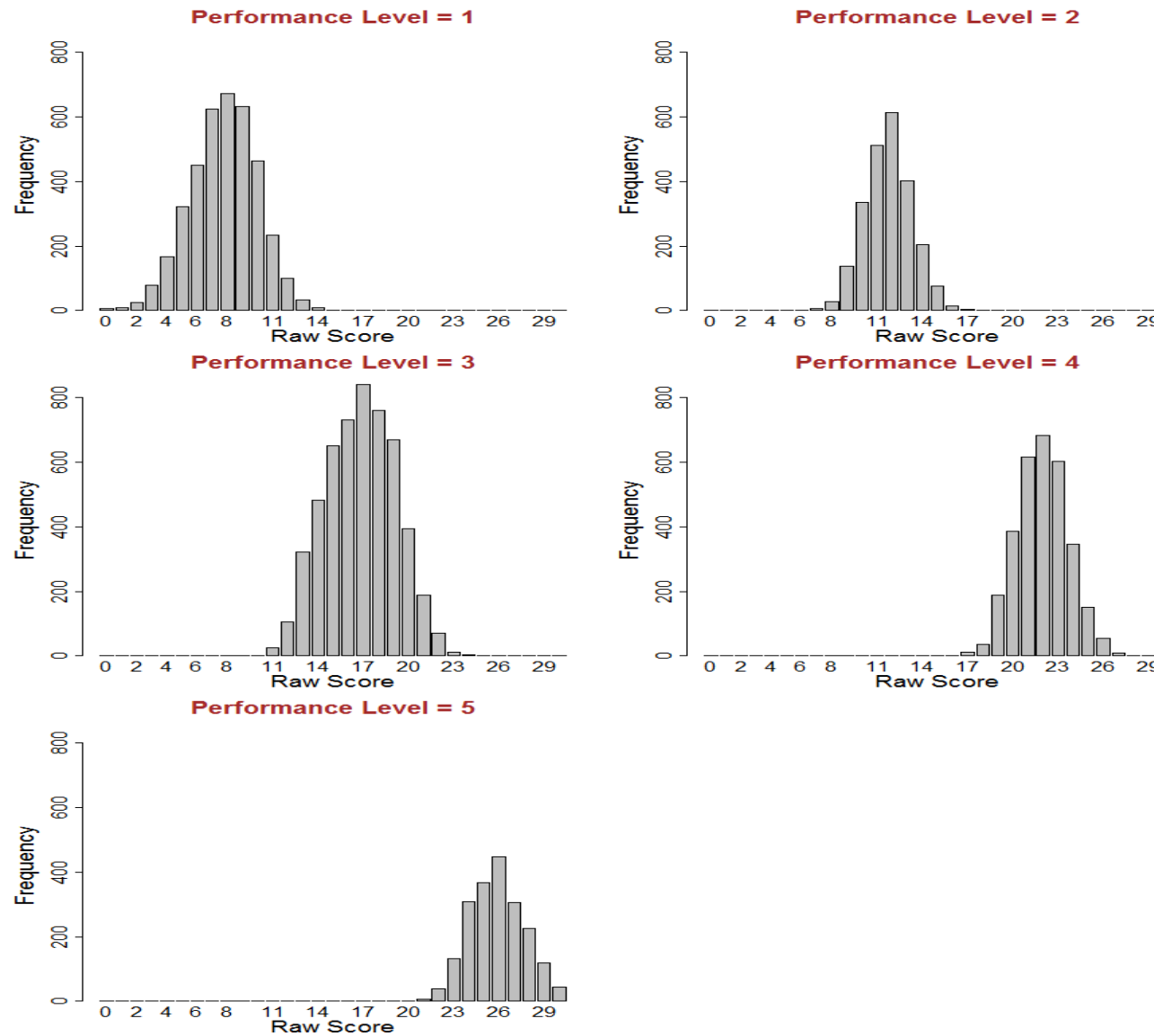


Figure S3.23: Summative Raw Score Distributions - Grade 4 Speaking

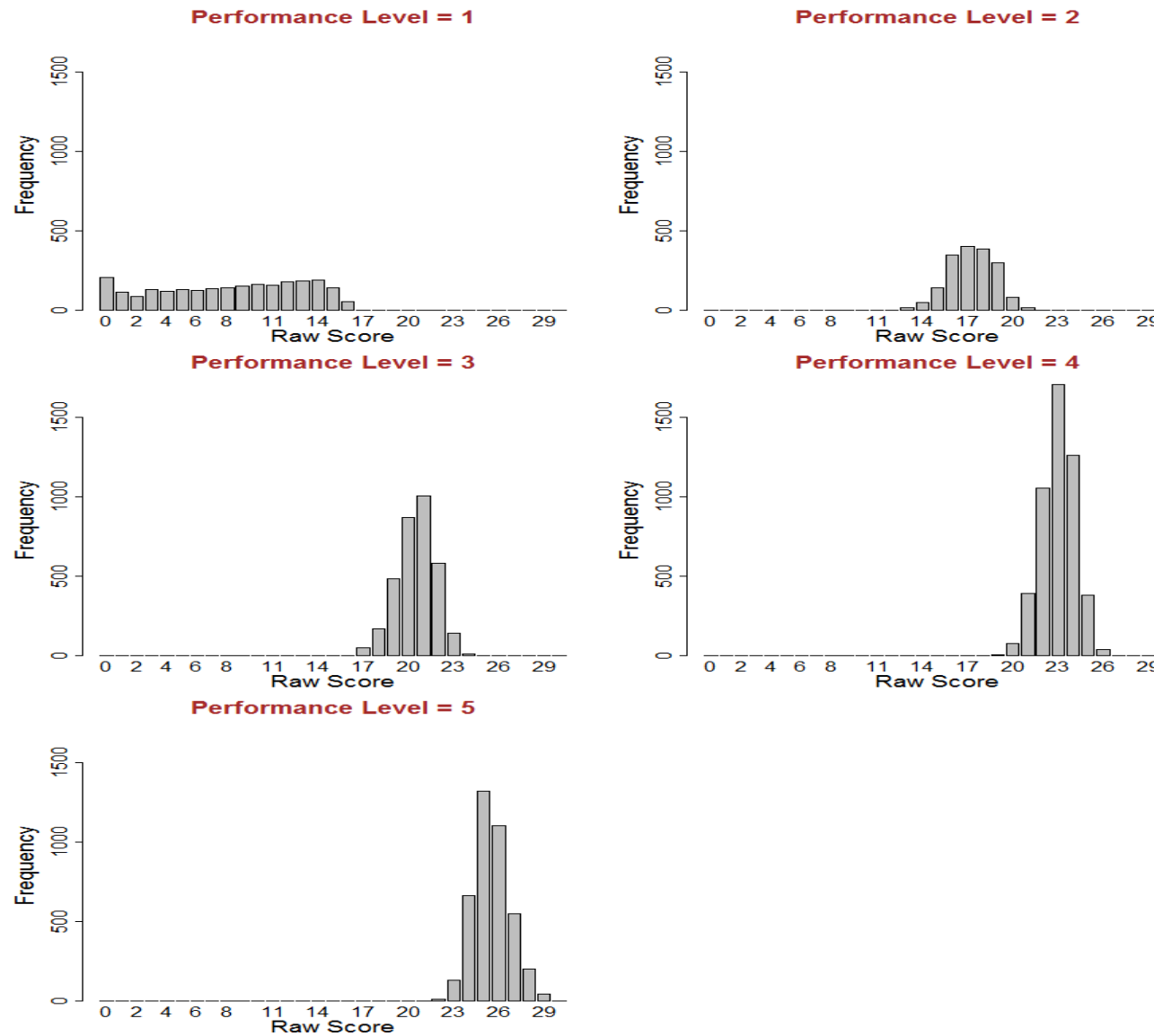


Figure S3.24: Summative Raw Score Distributions - Grade 4 Writing

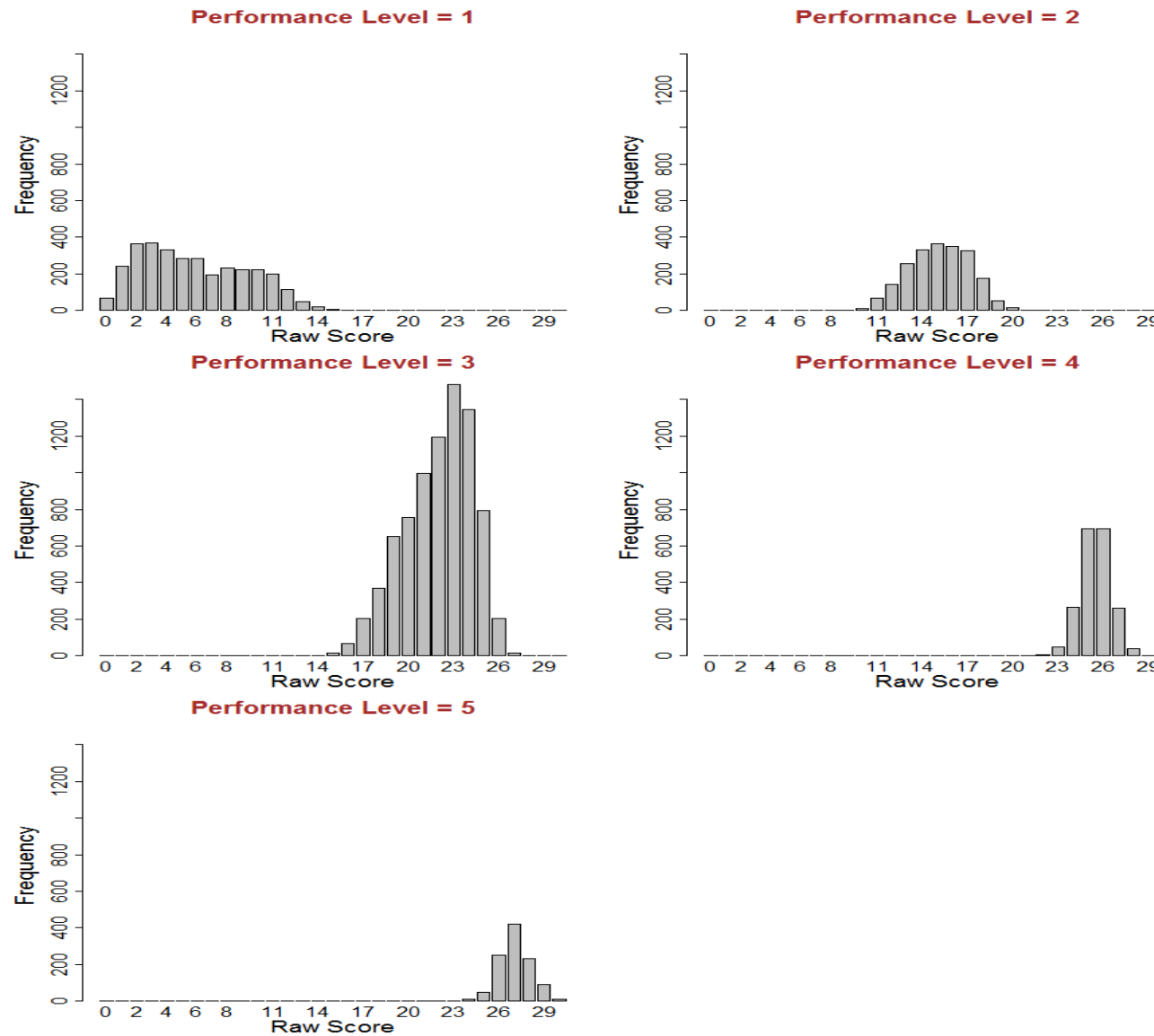


Figure S3.25: Summative Raw Score Distributions - Grade 4 Overall

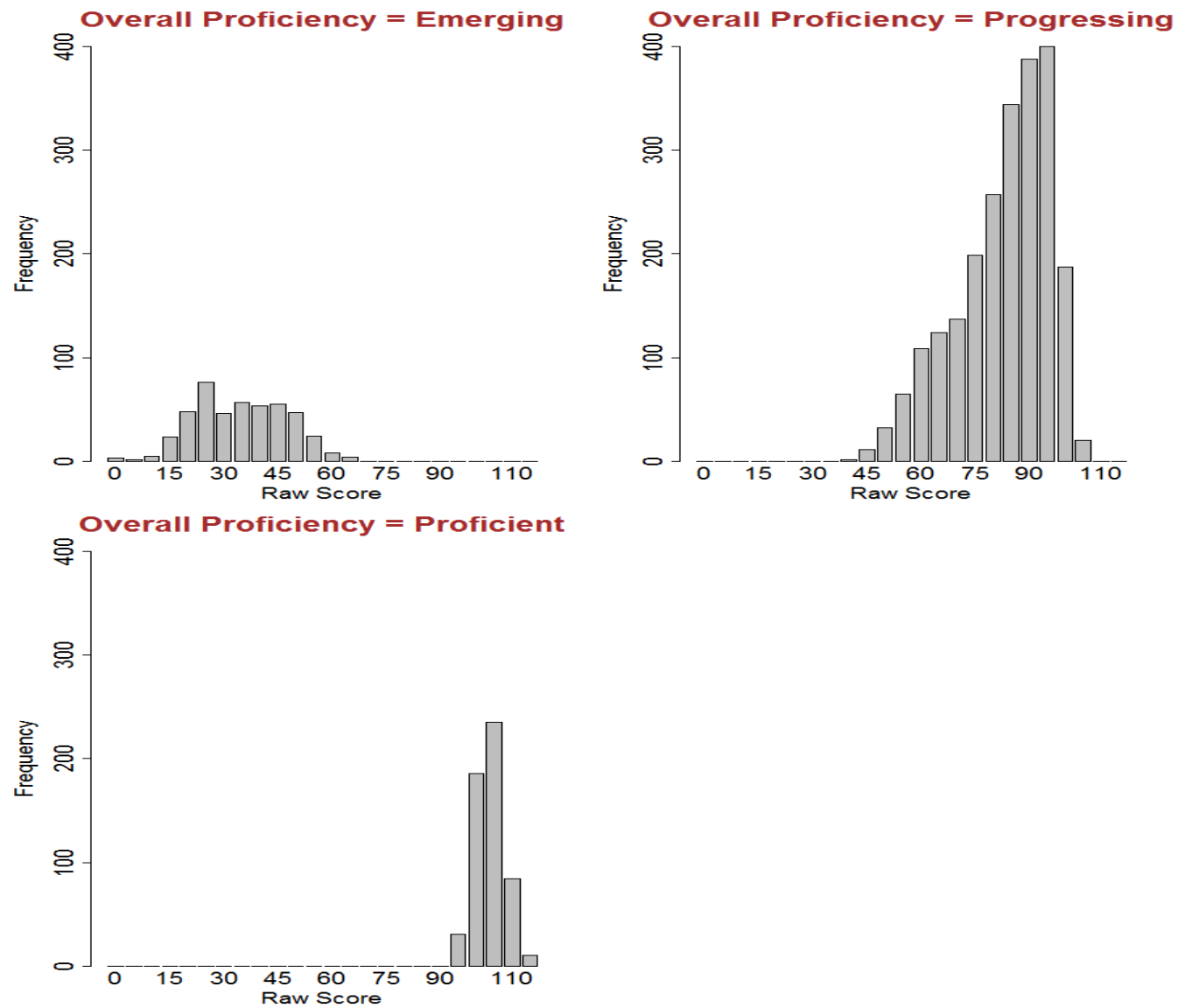


Figure S3.26: Summative Raw Score Distributions - Grade 5 Listening

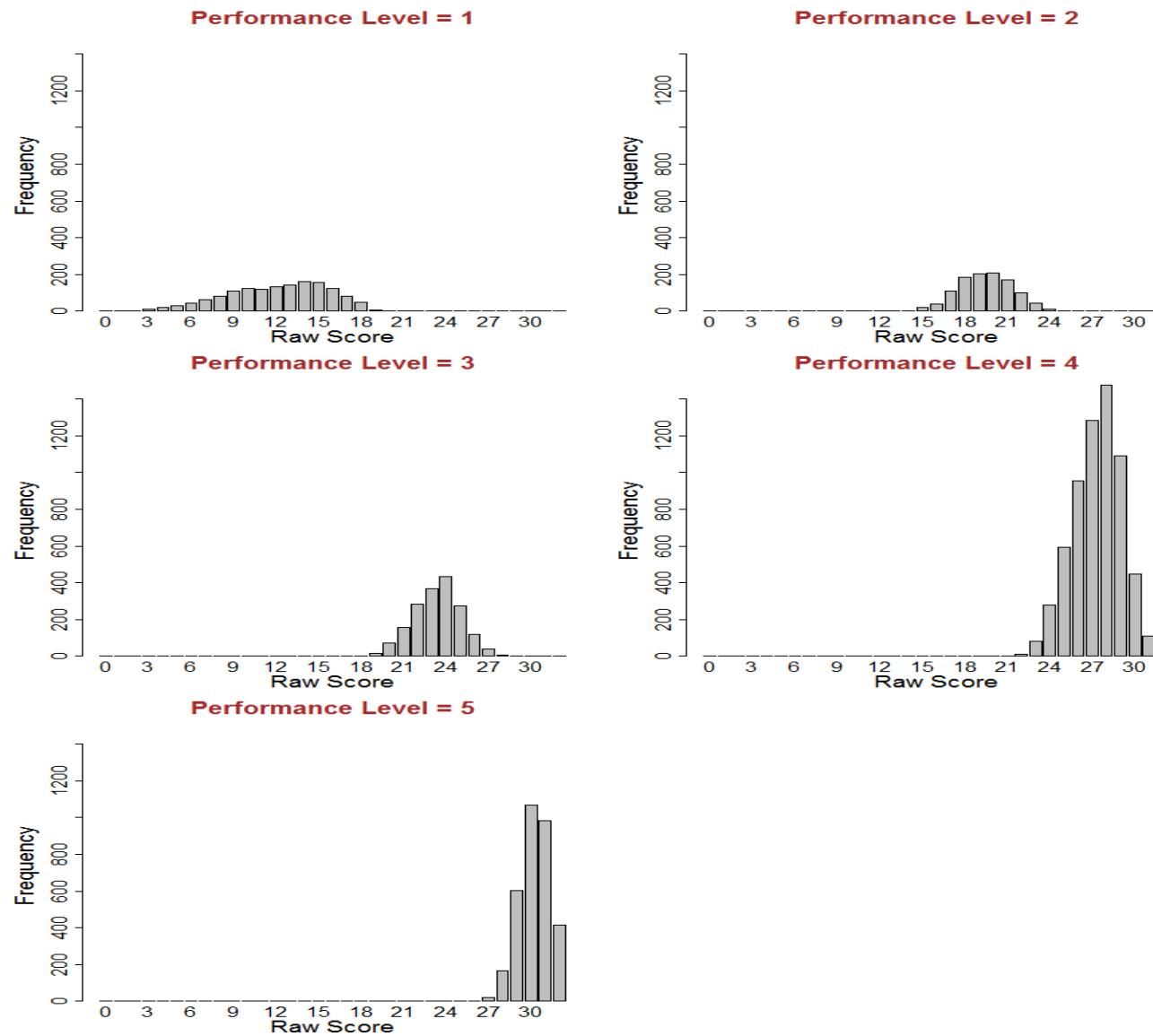


Figure S3.27: Summative Raw Score Distributions - Grade 5 Reading

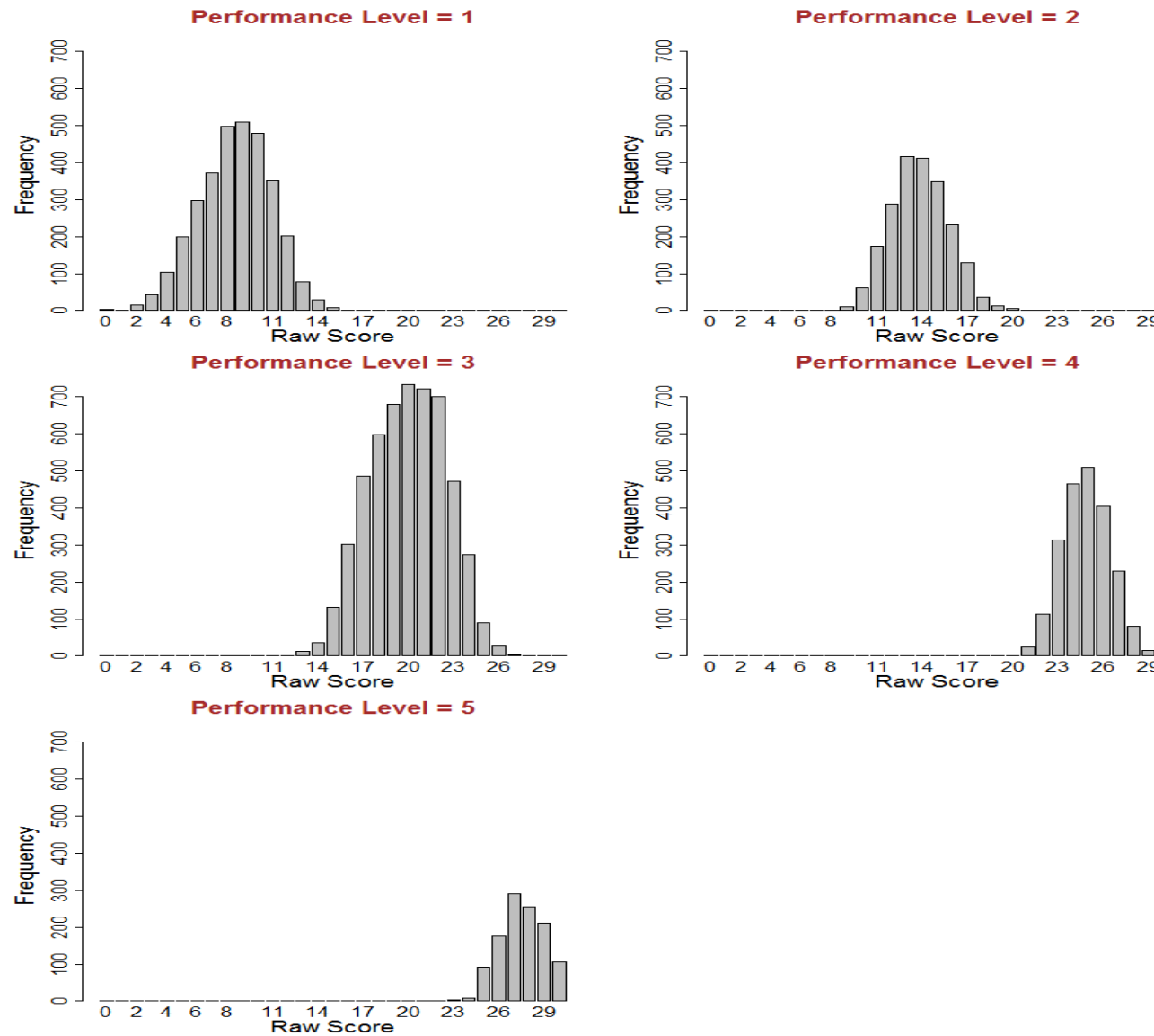


Figure S3.28: Summative Raw Score Distributions - Grade 5 Speaking

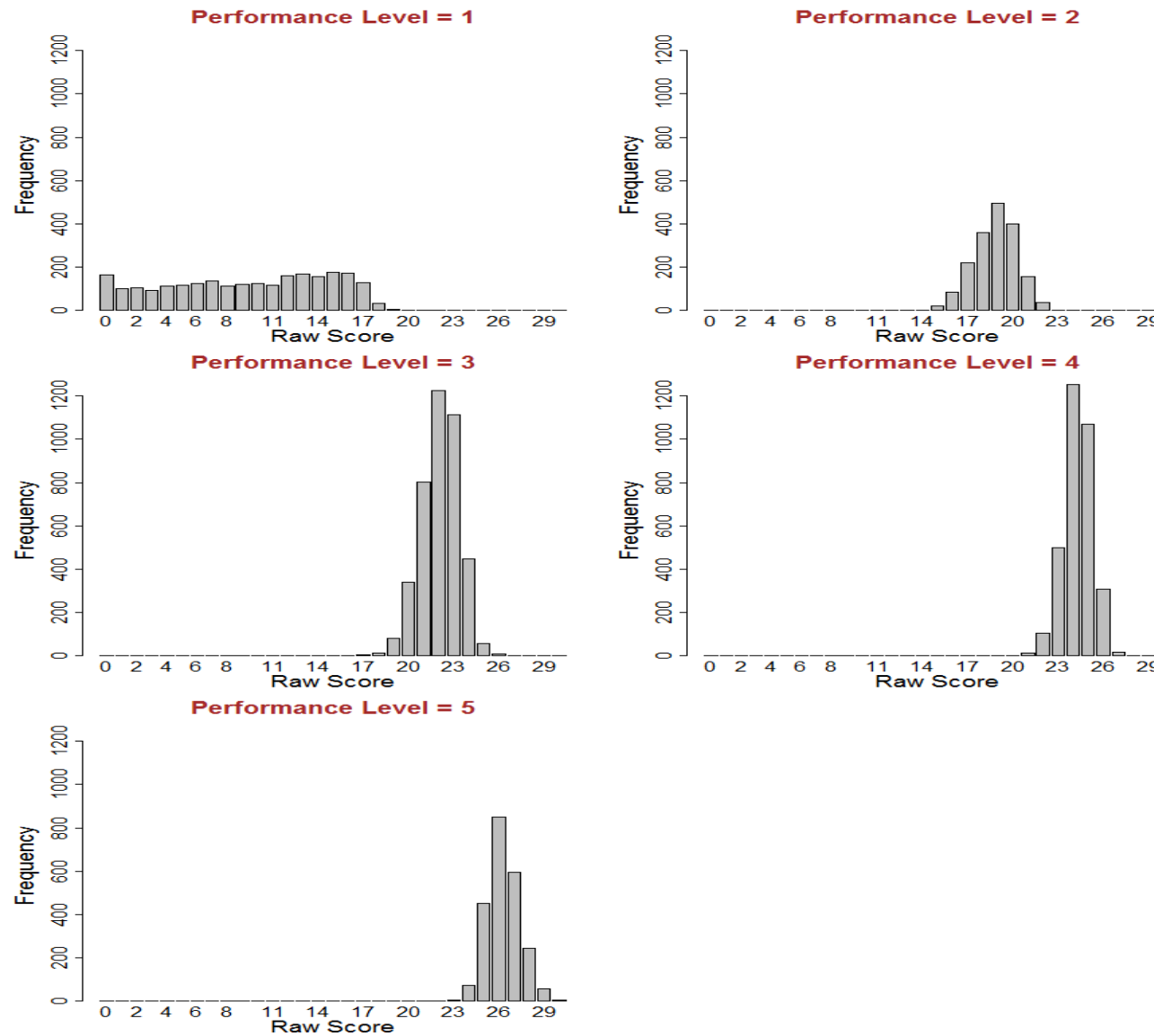


Figure S3.29: Summative Raw Score Distributions - Grade 5 Writing

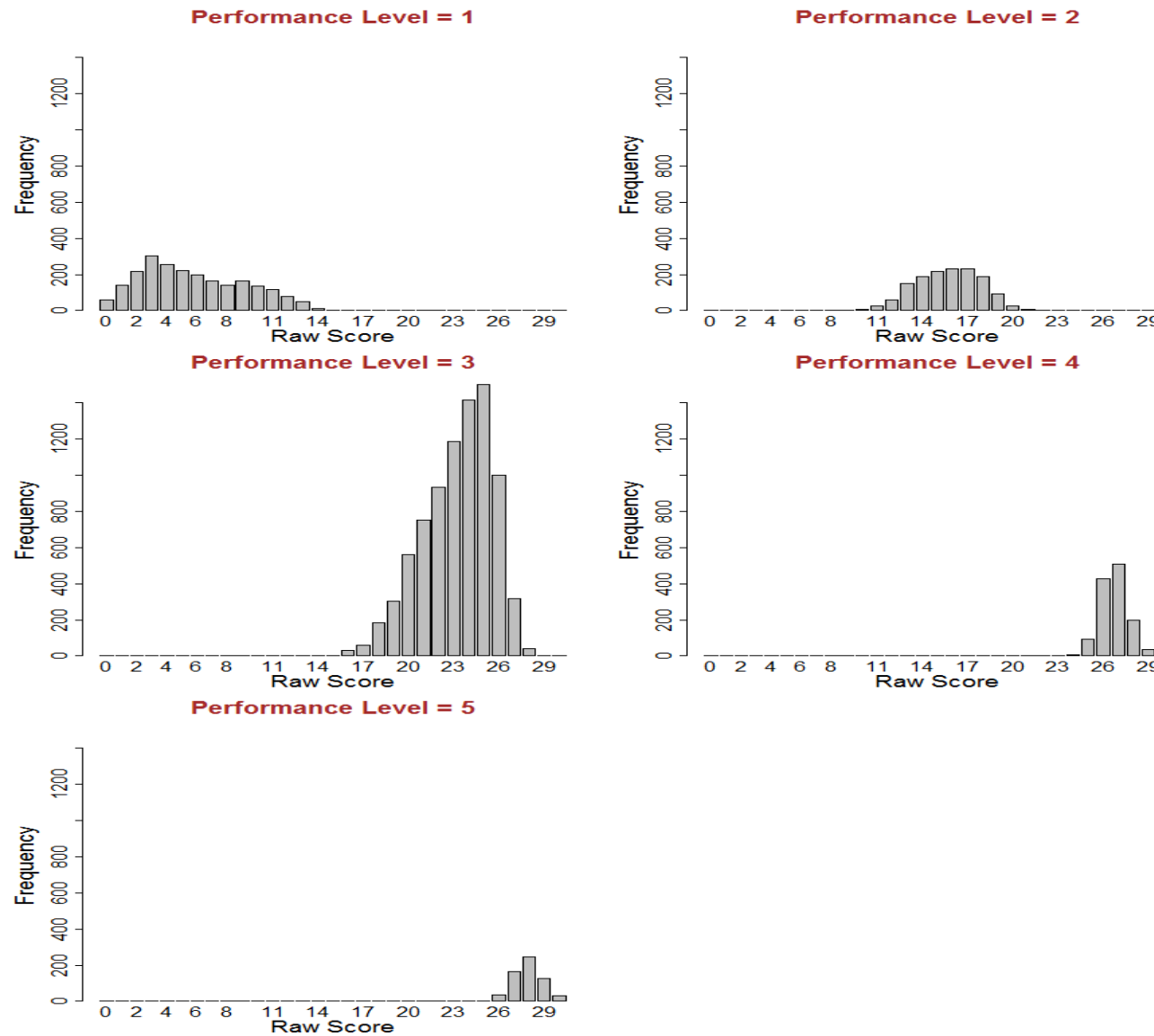


Figure S3.30: Summative Raw Score Distributions - Grade 5 Overall

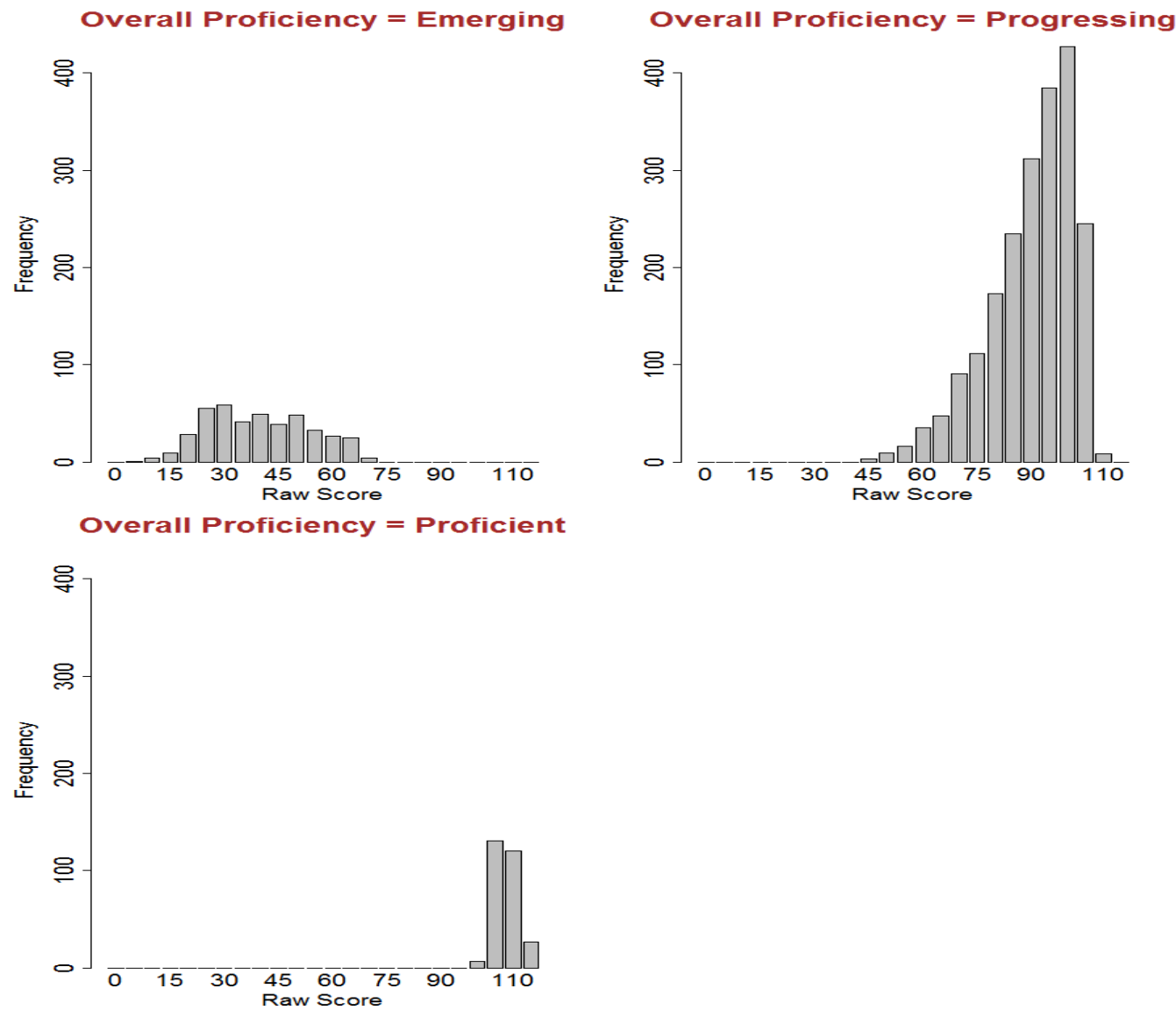


Figure S3.31: Summative Raw Score Distributions - Grade 6 Listening

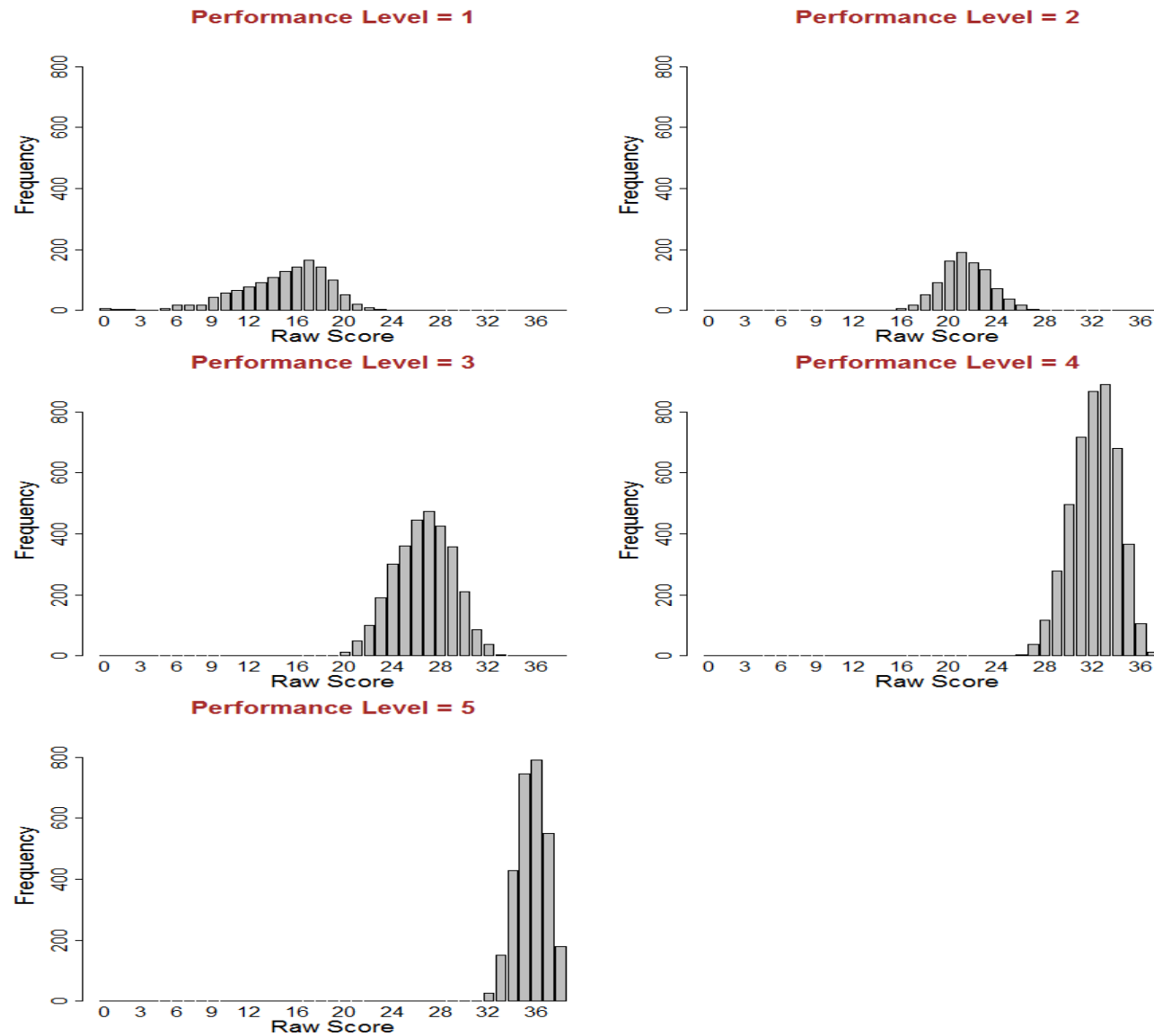


Figure S3.32: Summative Raw Score Distributions - Grade 6 Reading

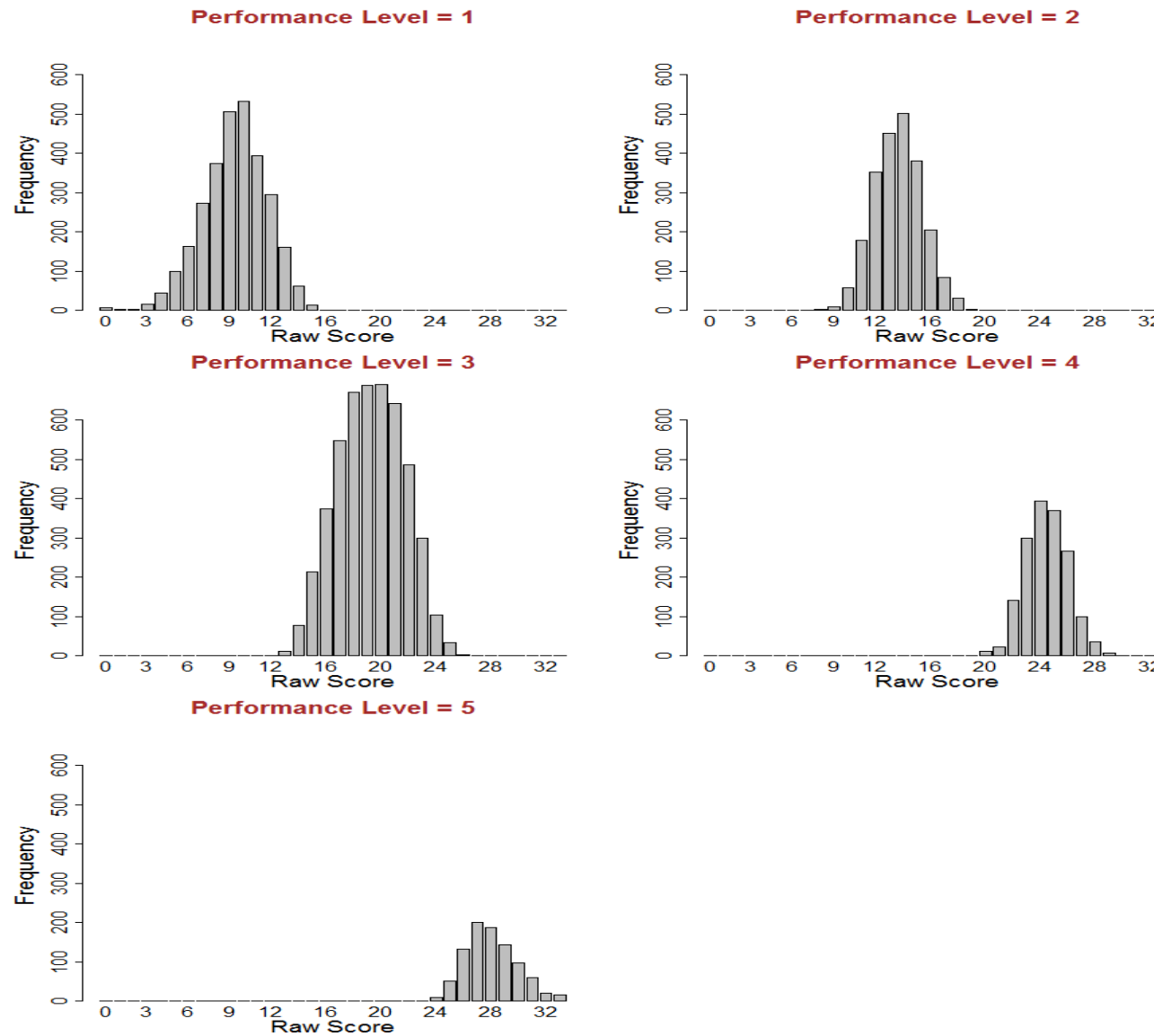


Figure S3.33: Summative Raw Score Distributions - Grade 6 Speaking

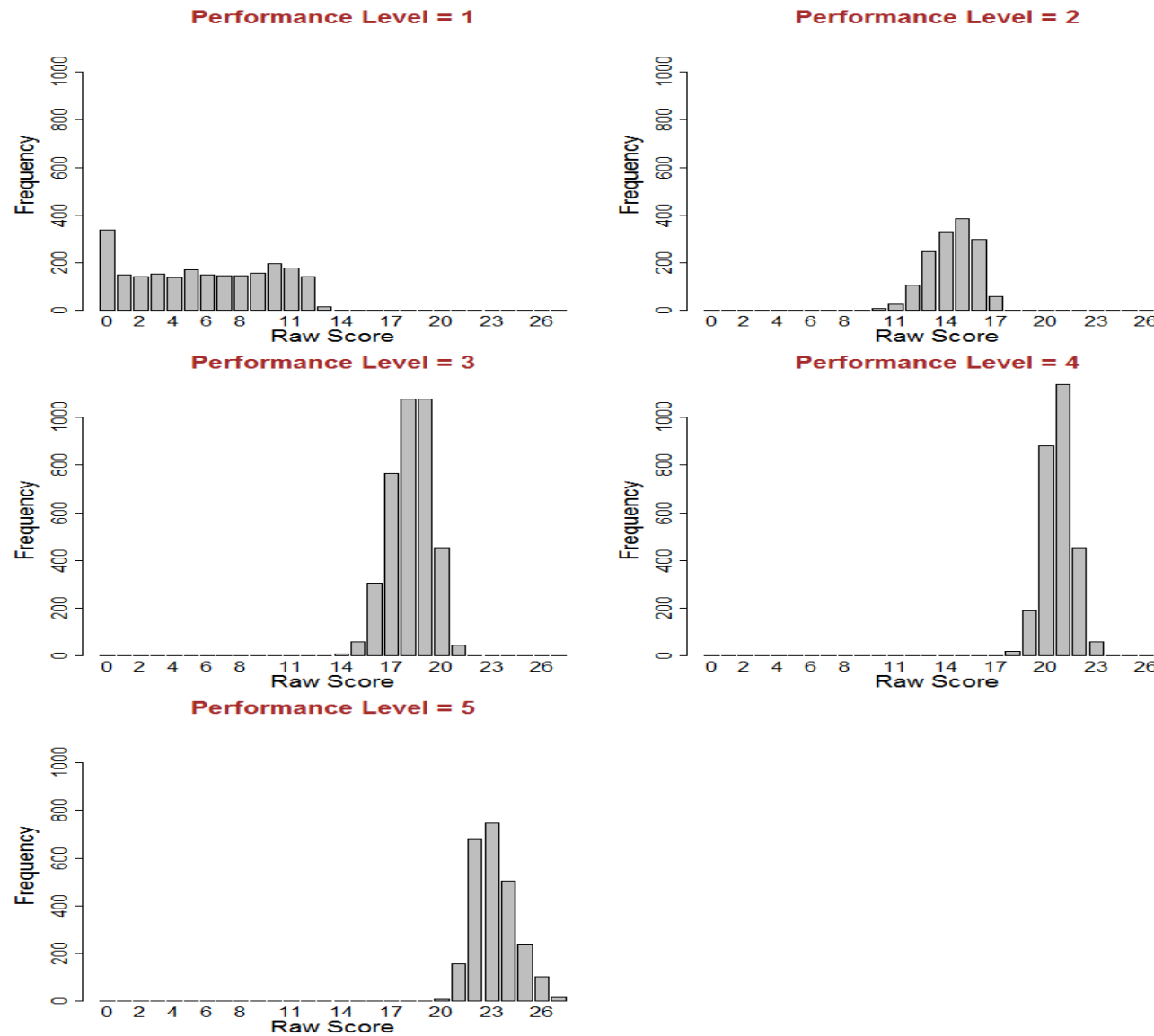


Figure S3.34: Summative Raw Score Distributions - Grade 6 Writing

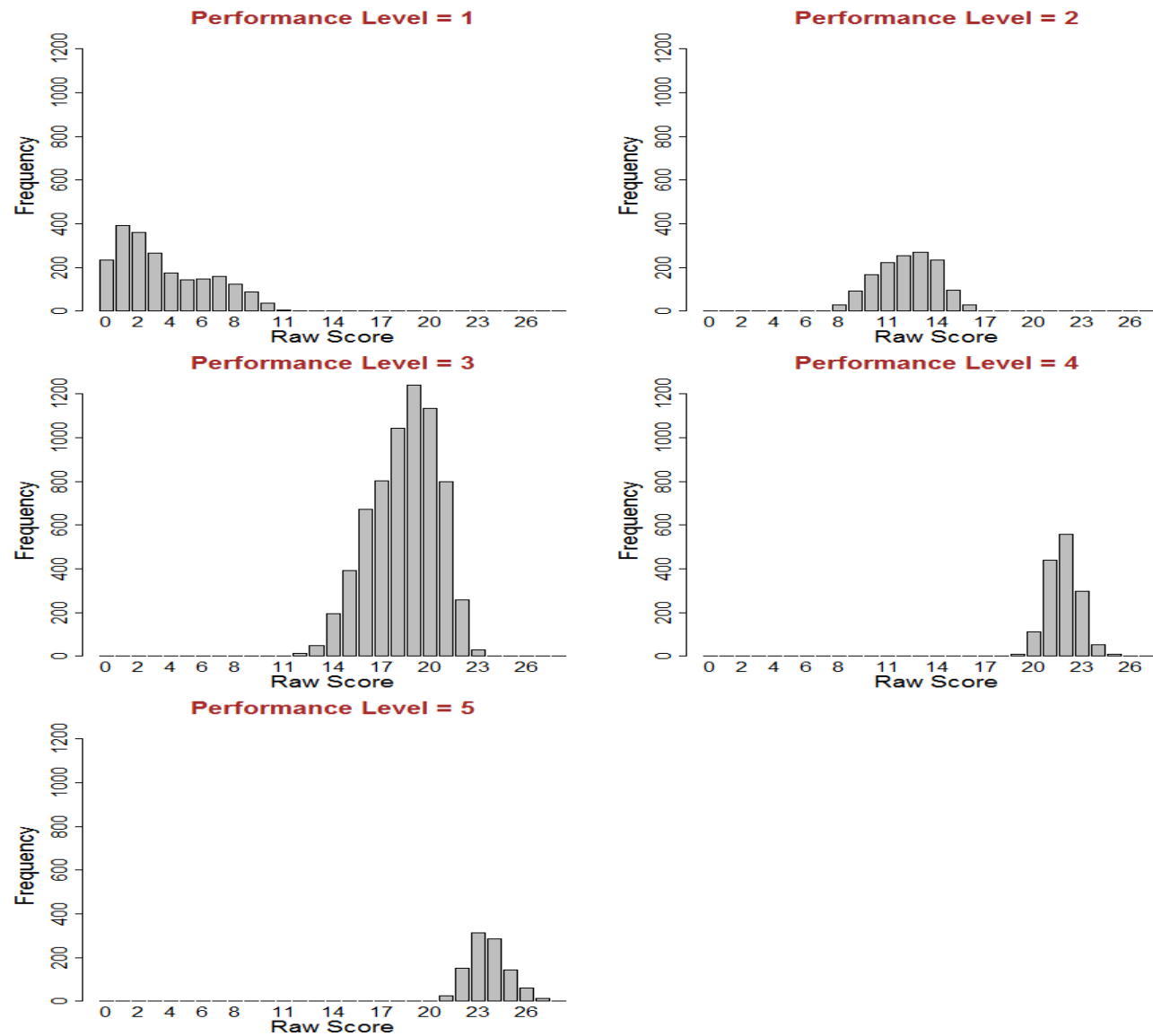


Figure S3.35: Summative Raw Score Distributions - Grade 6 Overall

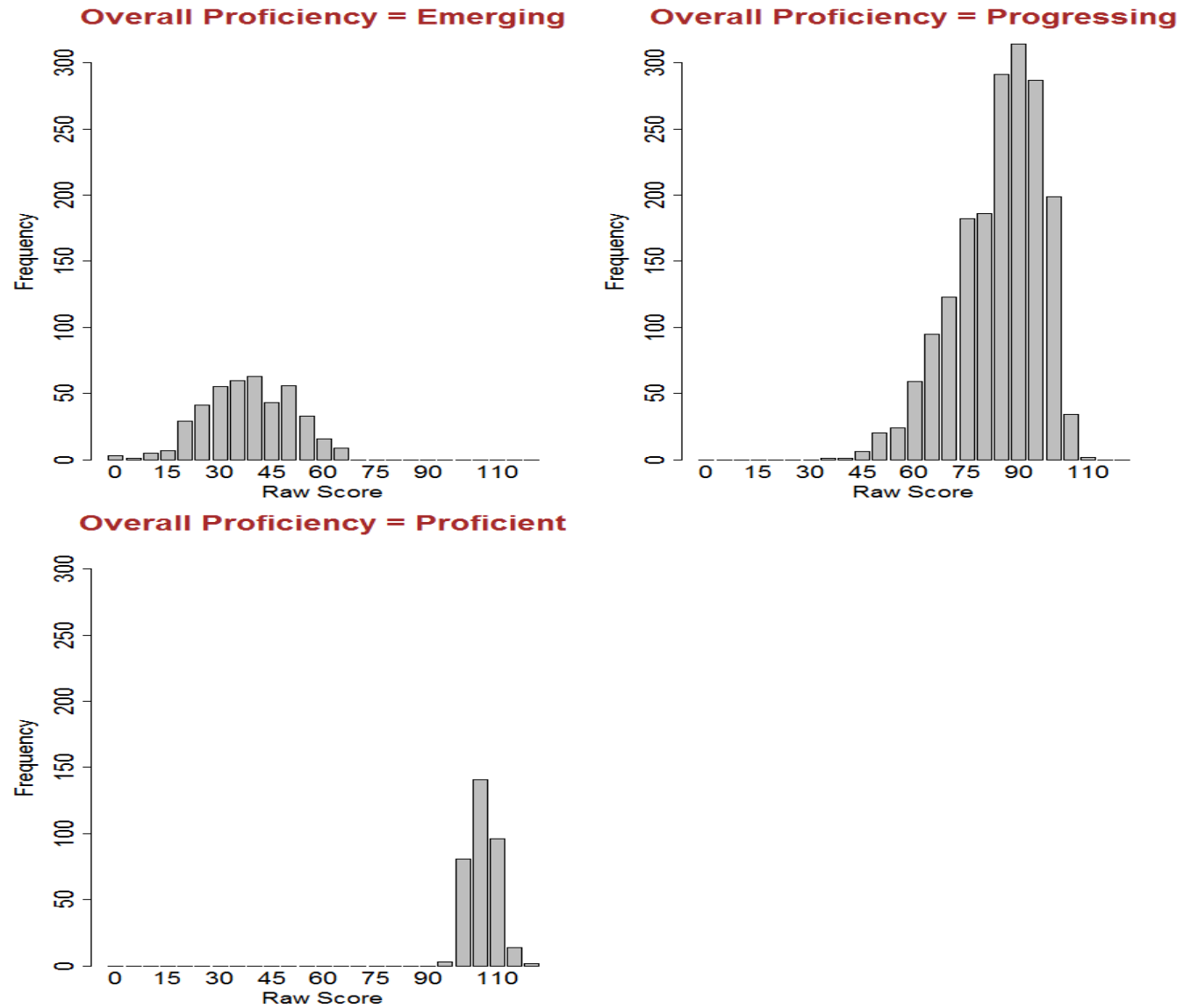


Figure S3.36: Summative Raw Score Distributions - Grade 7 Listening

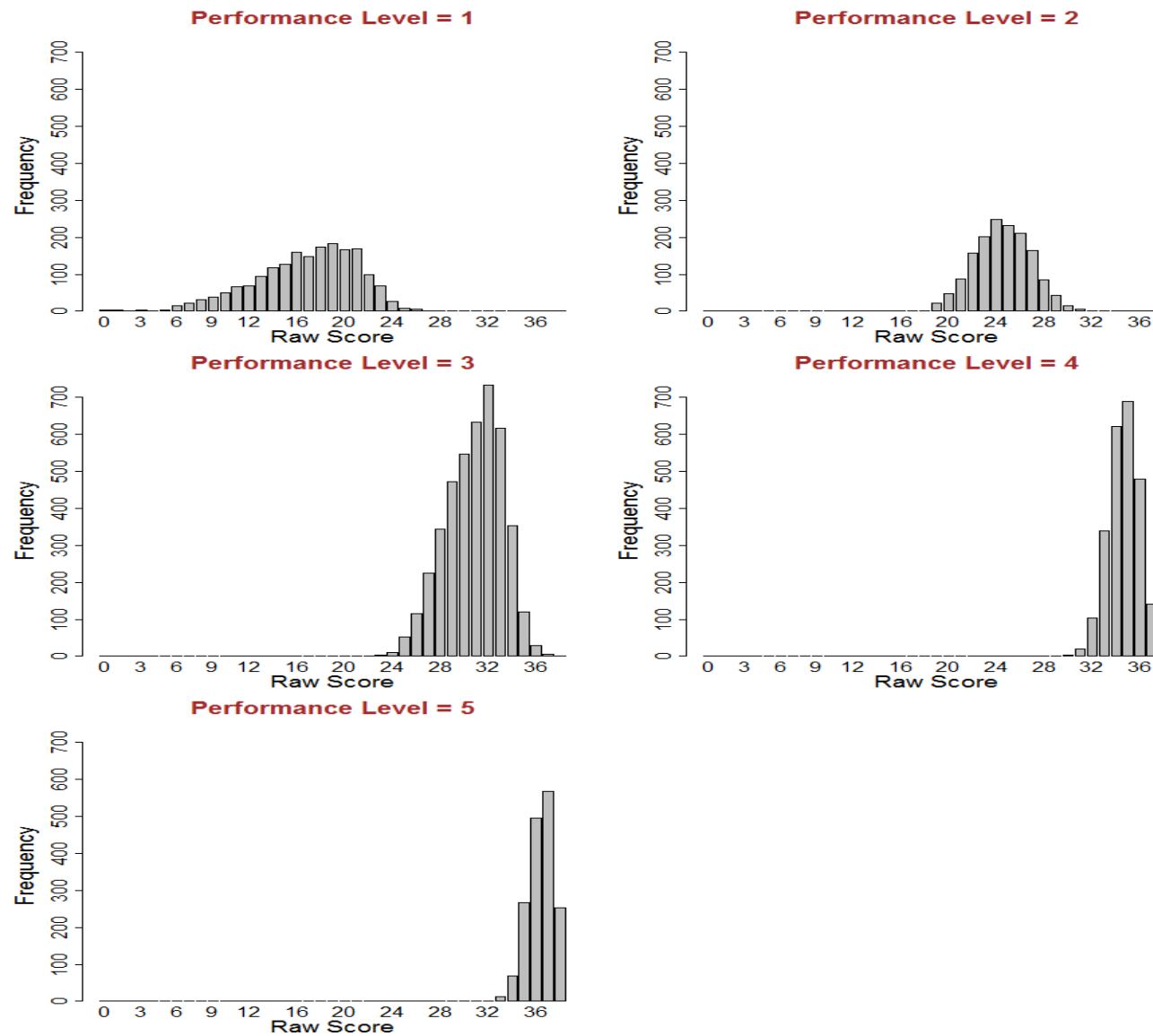


Figure S3.37: Summative Raw Score Distributions - Grade 7 Reading

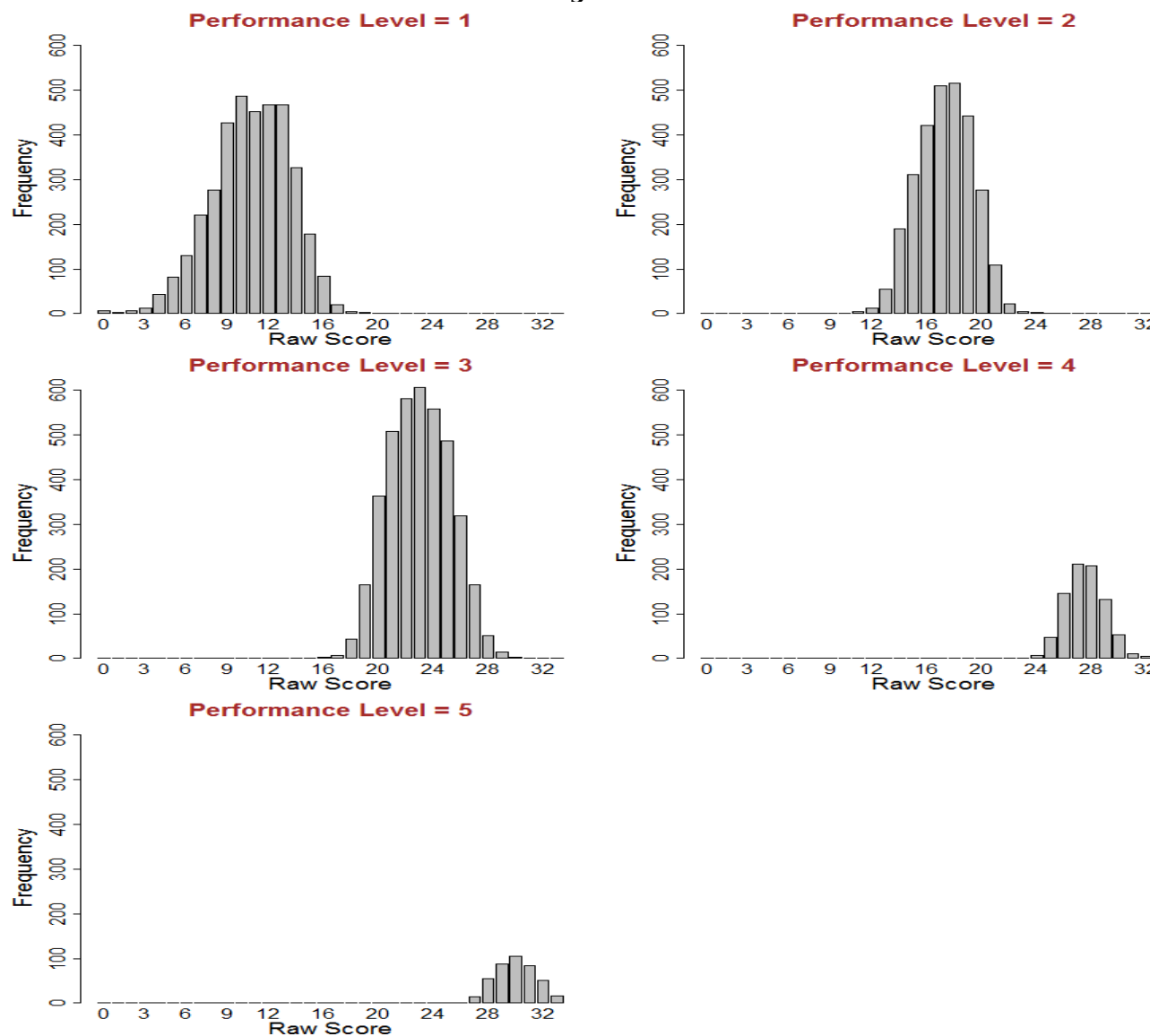


Figure S3.38: Summative Raw Score Distributions - Grade 7 Speaking

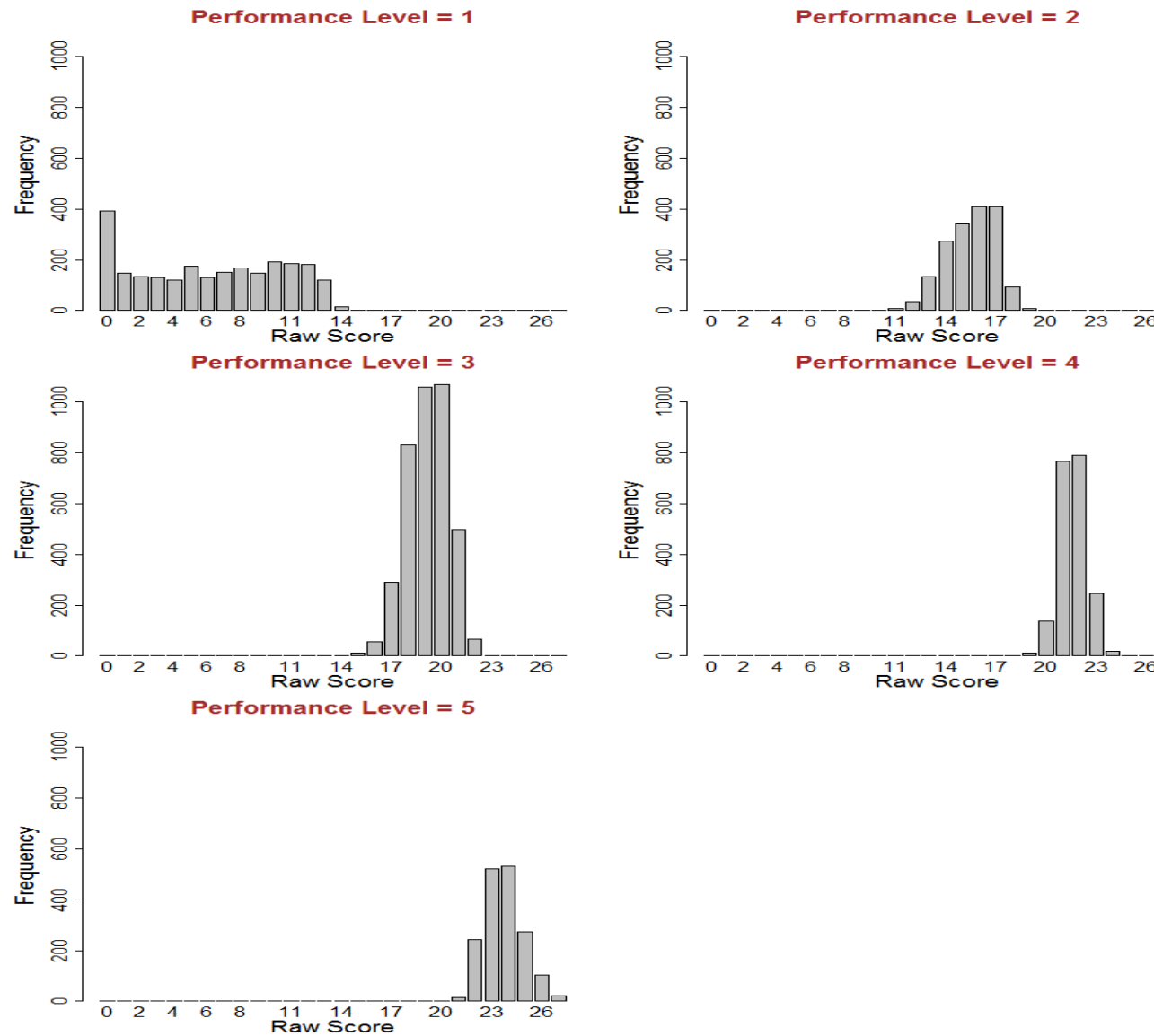


Figure S3.39: Summative Raw Score Distributions - Grade 7 Writing

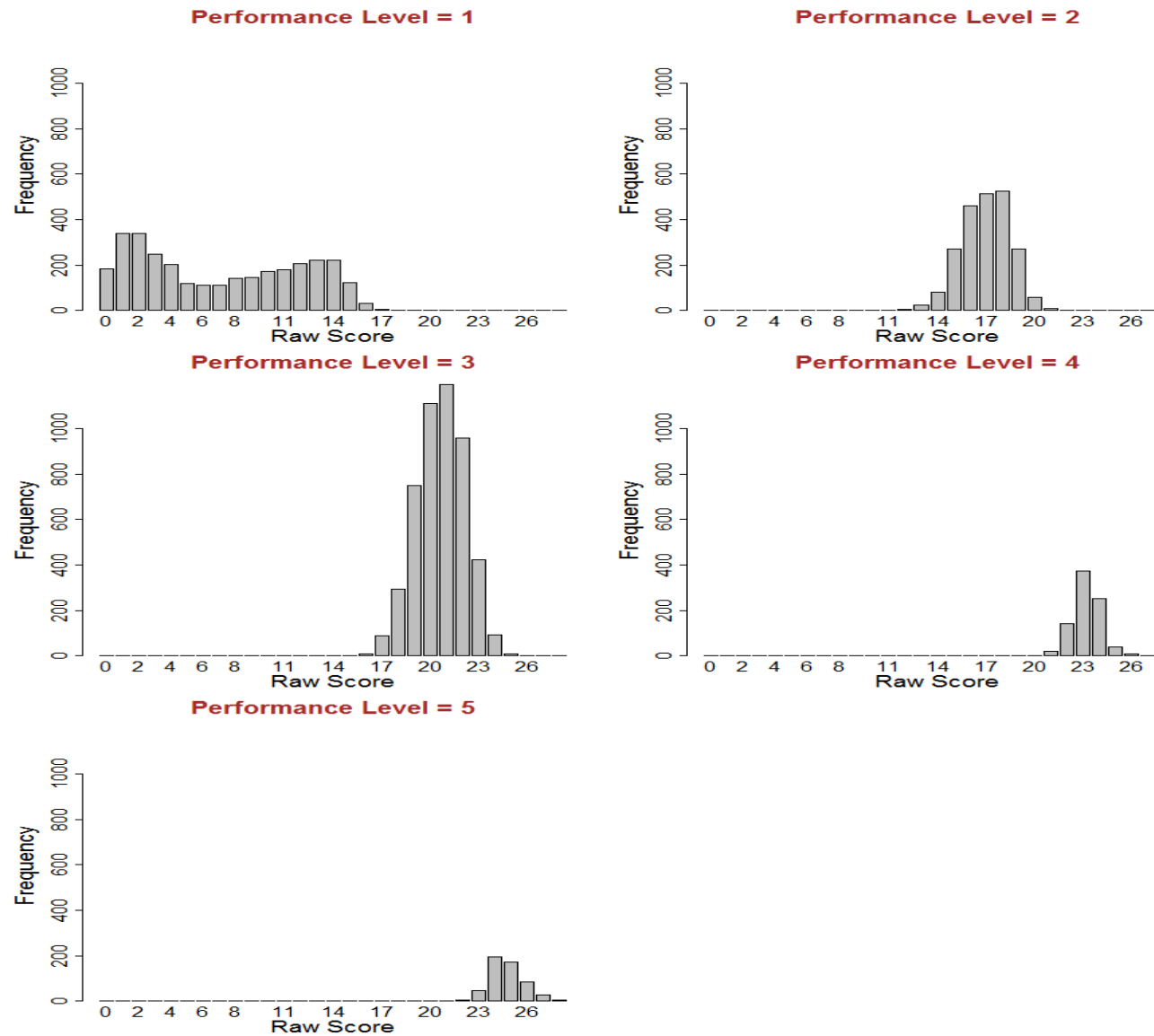


Figure S3.40: Summative Raw Score Distributions - Grade 7 Overall

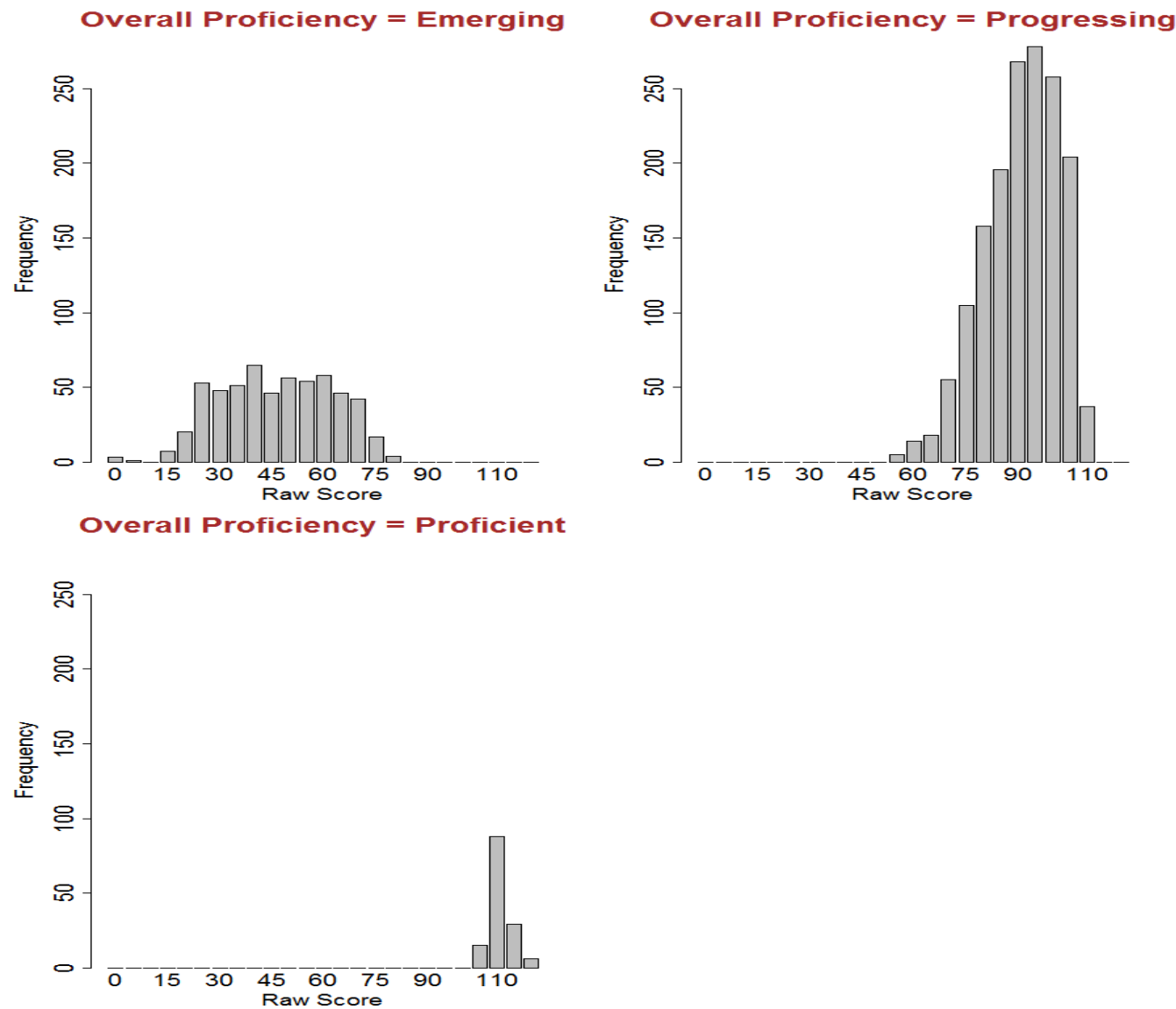


Figure S3.41: Summative Raw Score Distributions - Grade 8 Listening

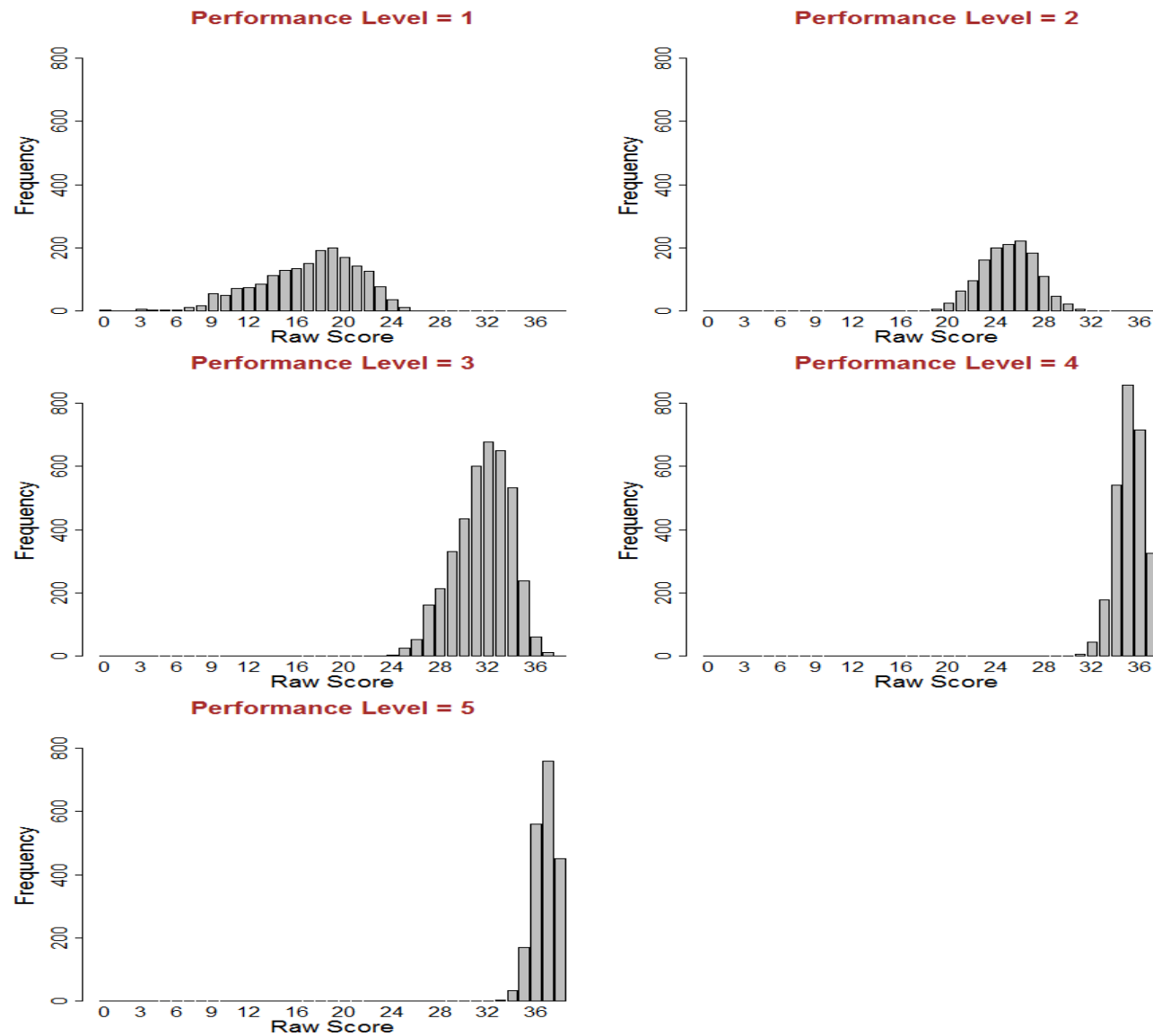


Figure S3.42: Summative Raw Score Distributions - Grade 8 Reading

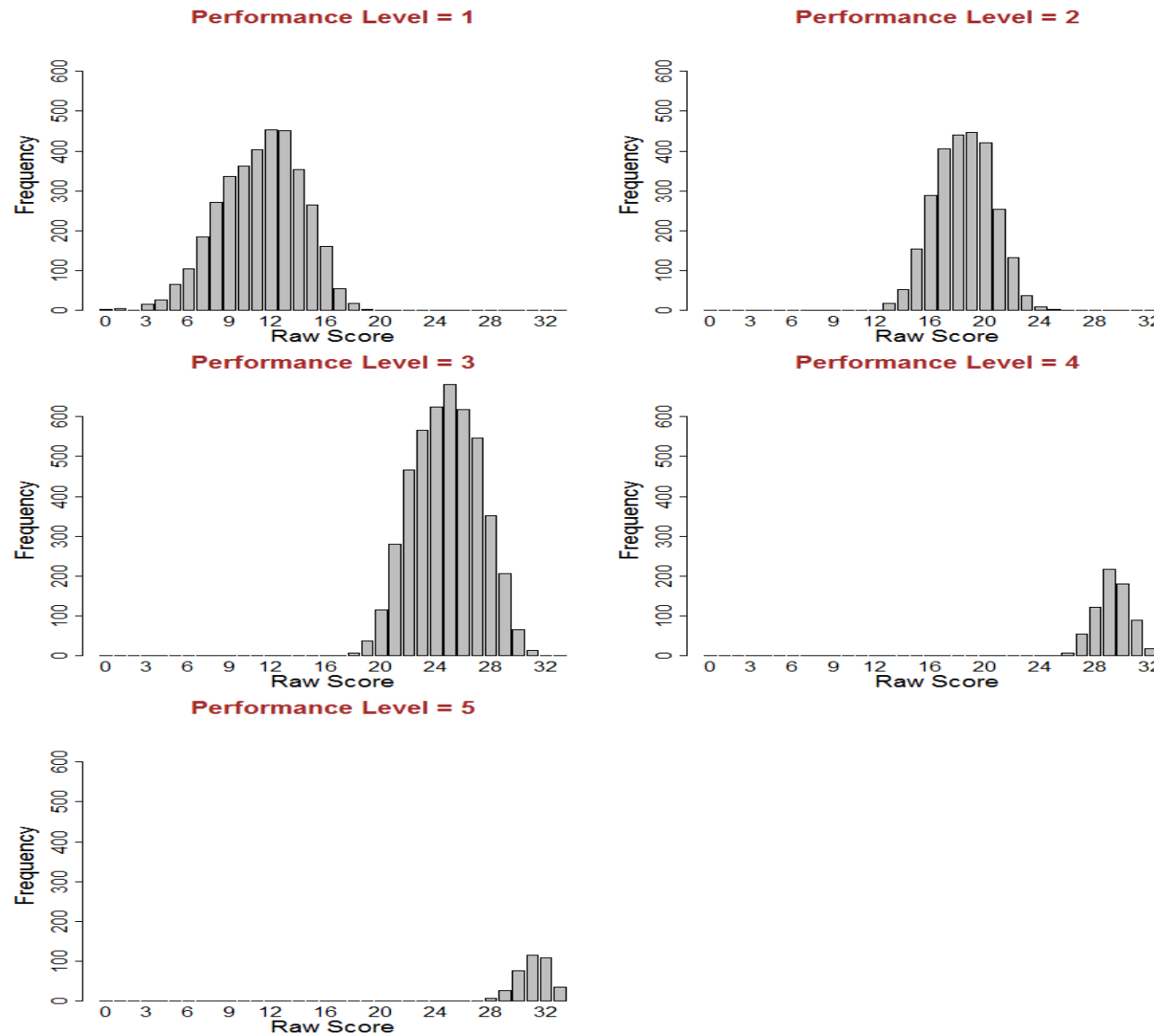


Figure S3.43: Summative Raw Score Distributions - Grade 8 Speaking

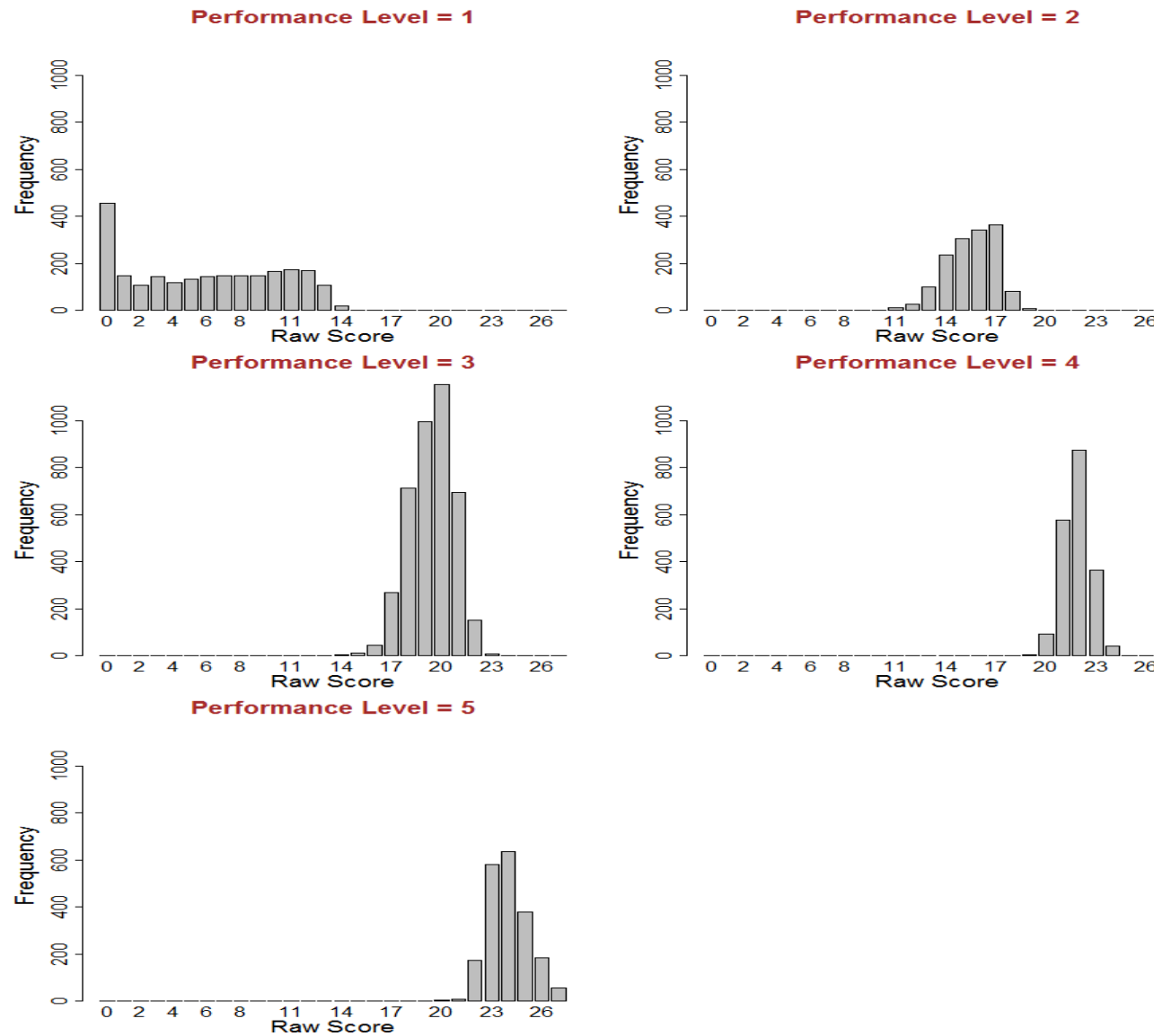


Figure S3.44: Summative Raw Score Distributions - Grade 8 Writing

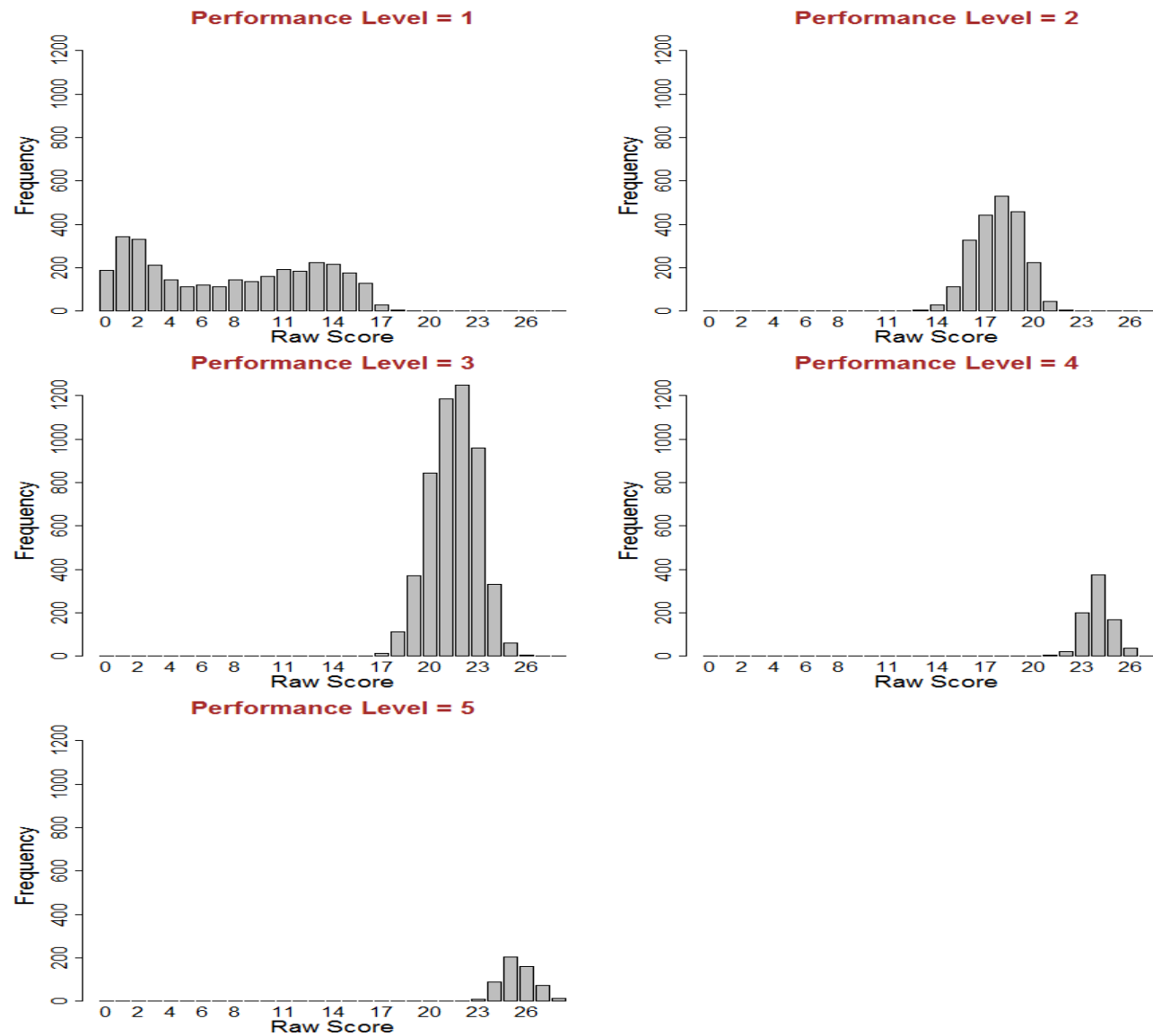


Figure S3.45: Summative Raw Score Distributions - Grade 8 Overall

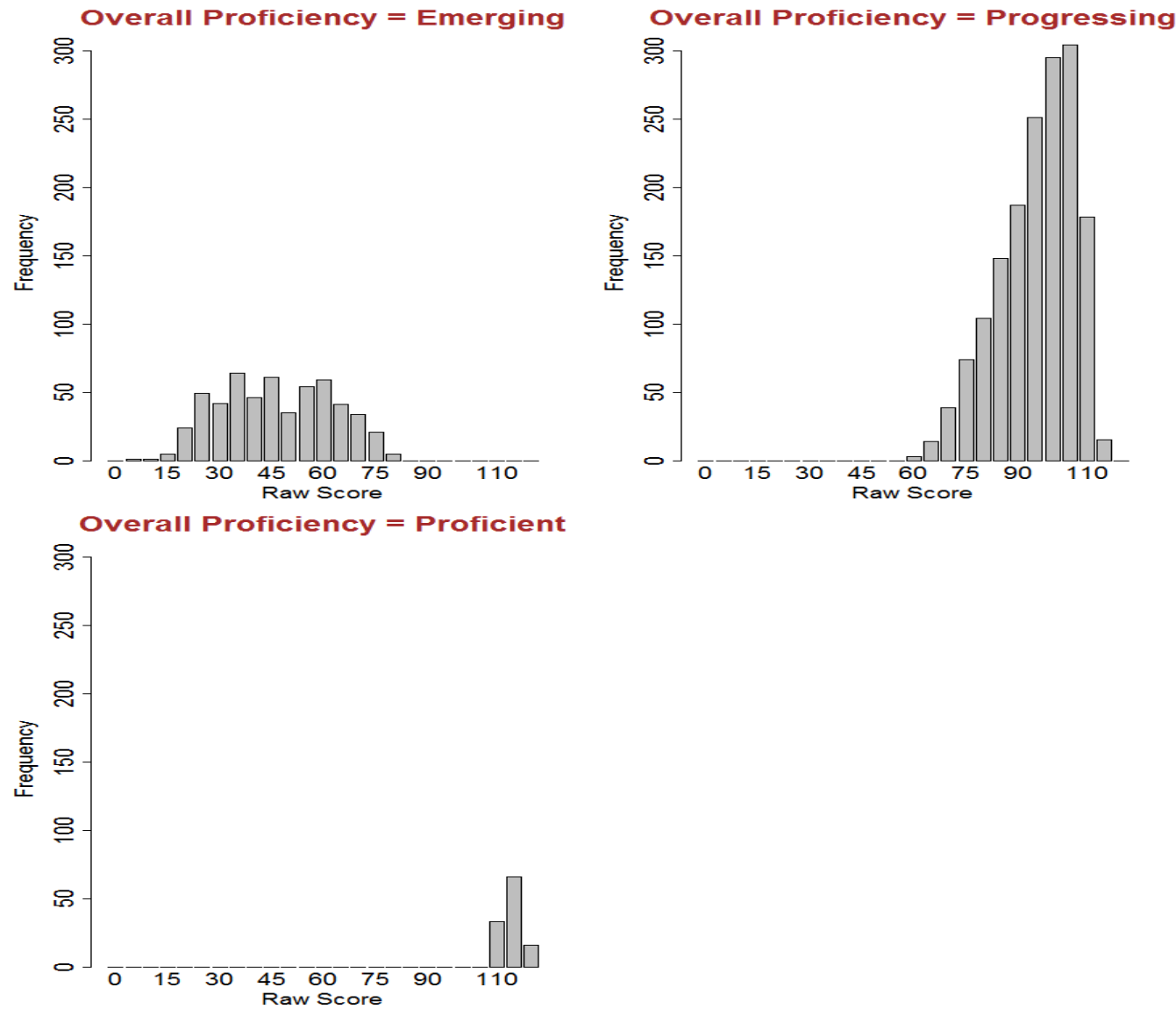


Figure S3.46: Summative Raw Score Distributions - Grade 9 Listening

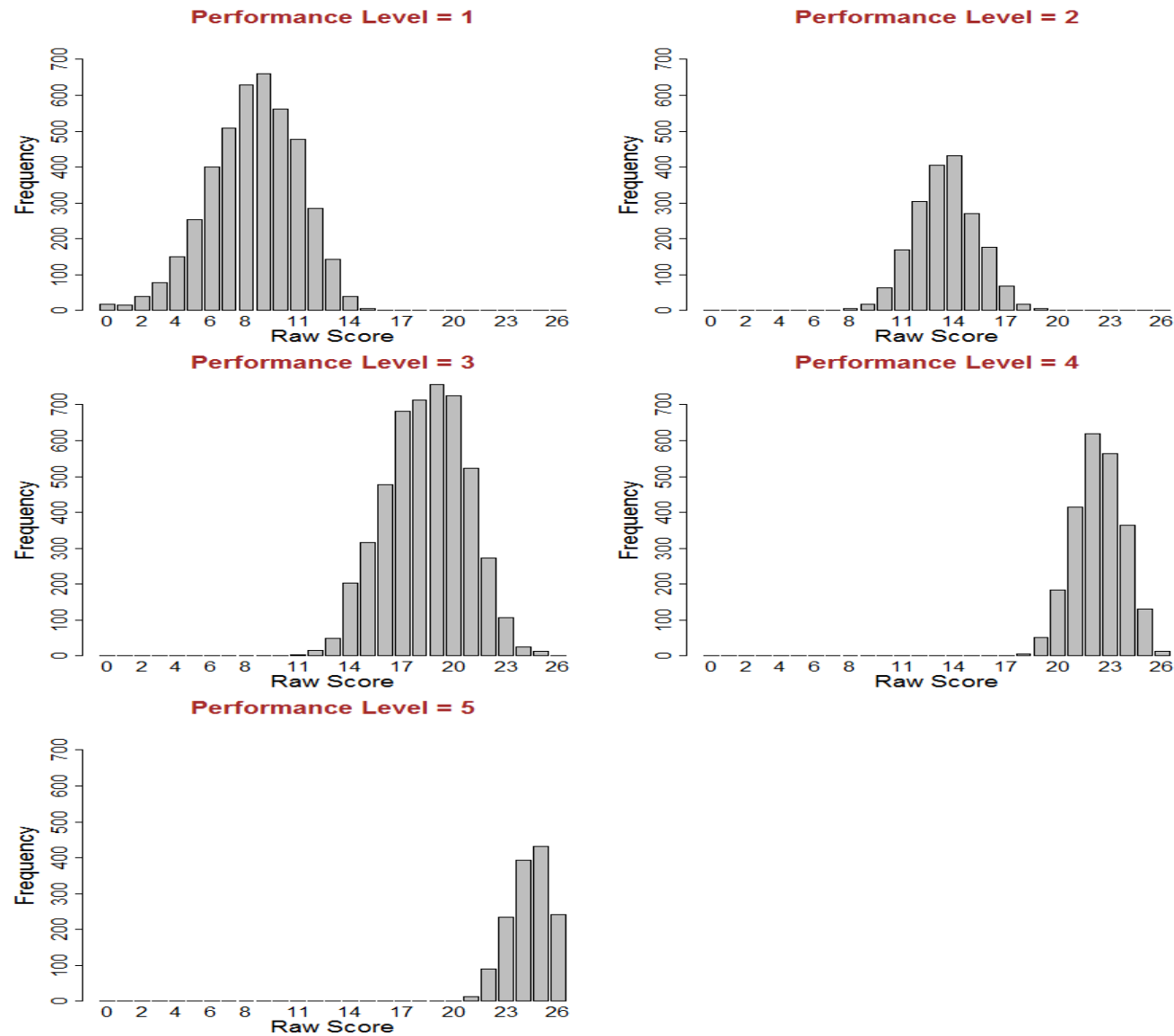


Figure S3.47: Summative Raw Score Distributions - Grade 9 Reading

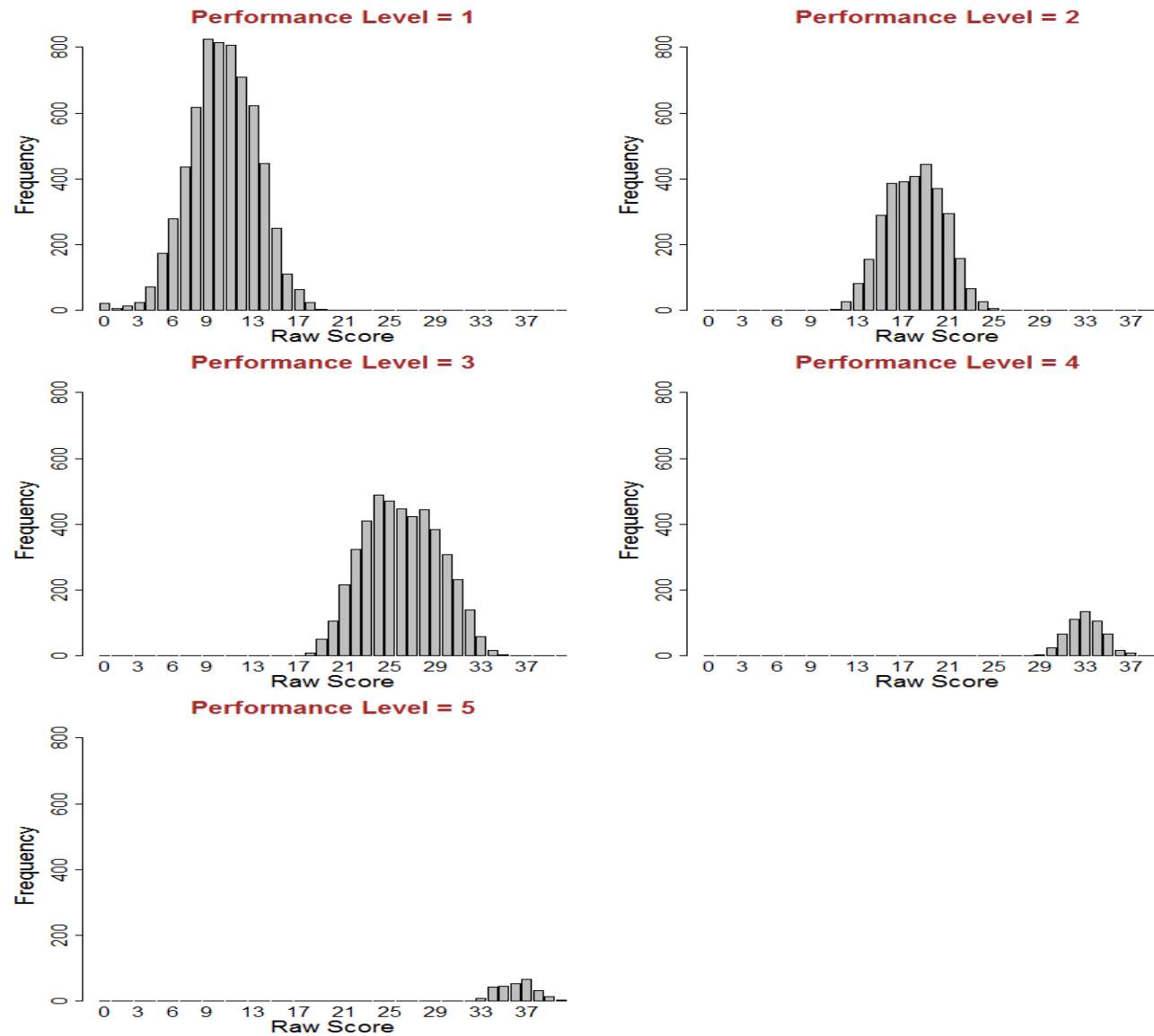


Figure S3.48: Summative Raw Score Distributions - Grade 9 Speaking

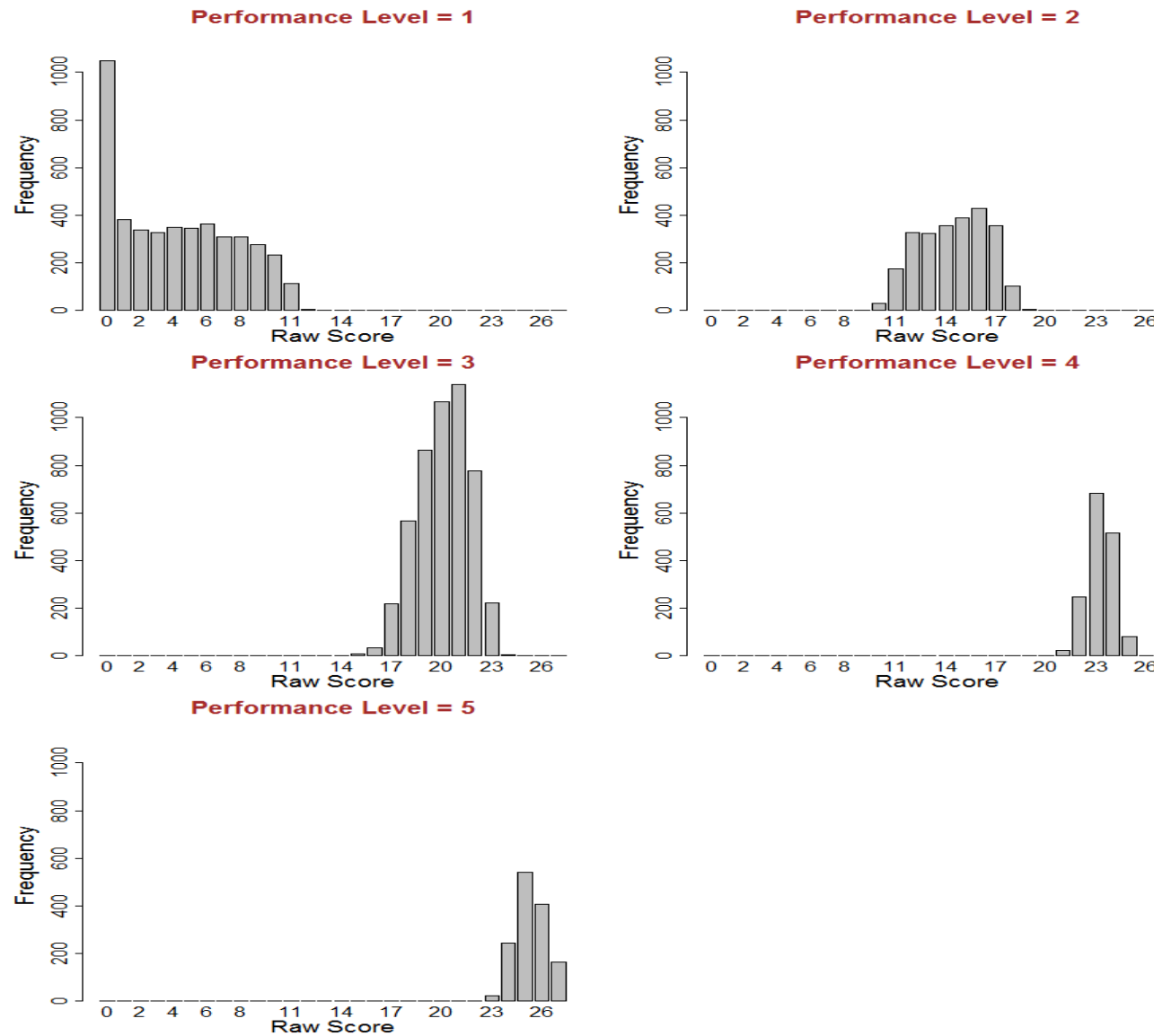


Figure S3.49: Summative Raw Score Distributions - Grade 9 Writing

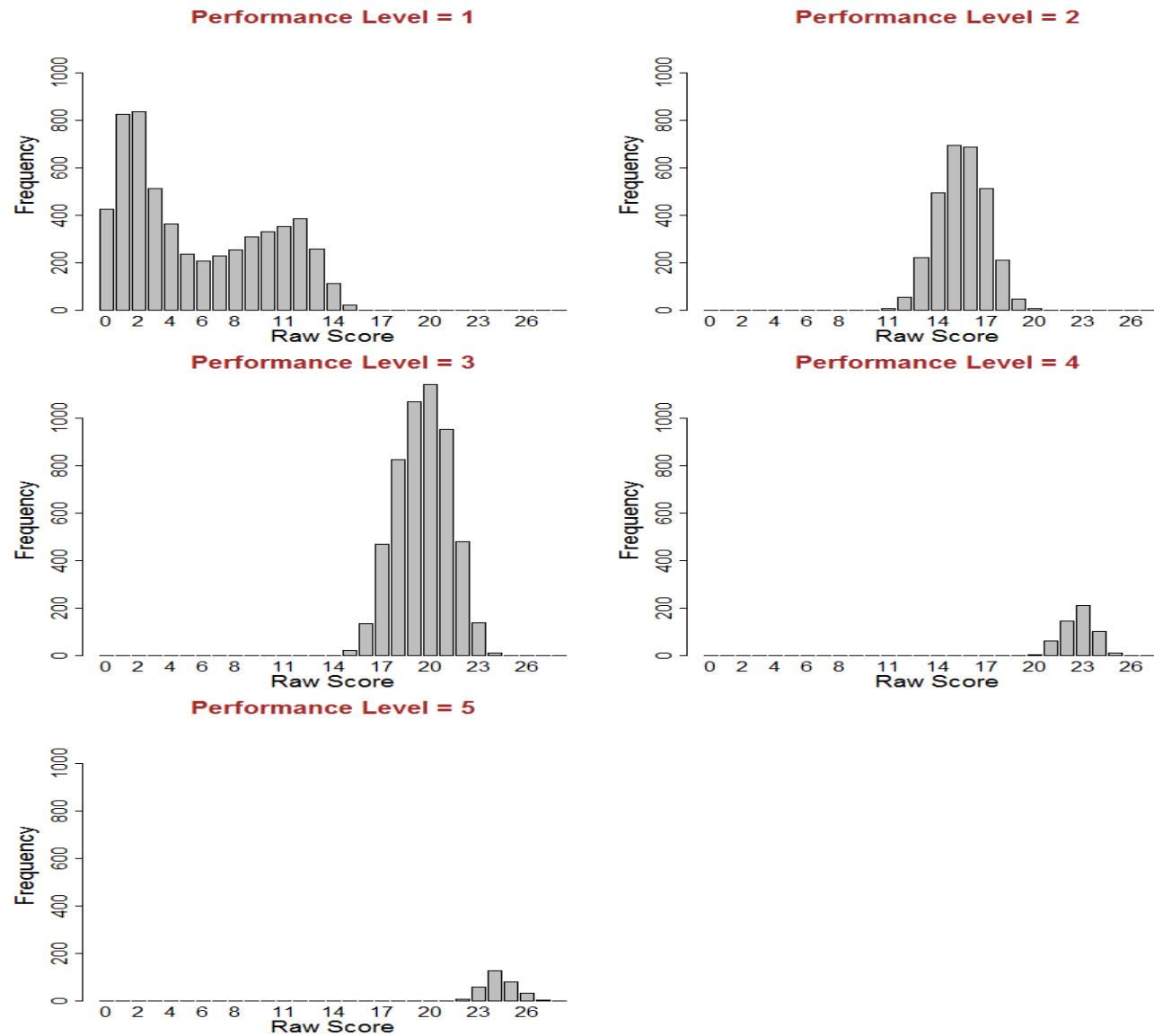


Figure S3.50: Summative Raw Score Distributions - Grade 9 Overall

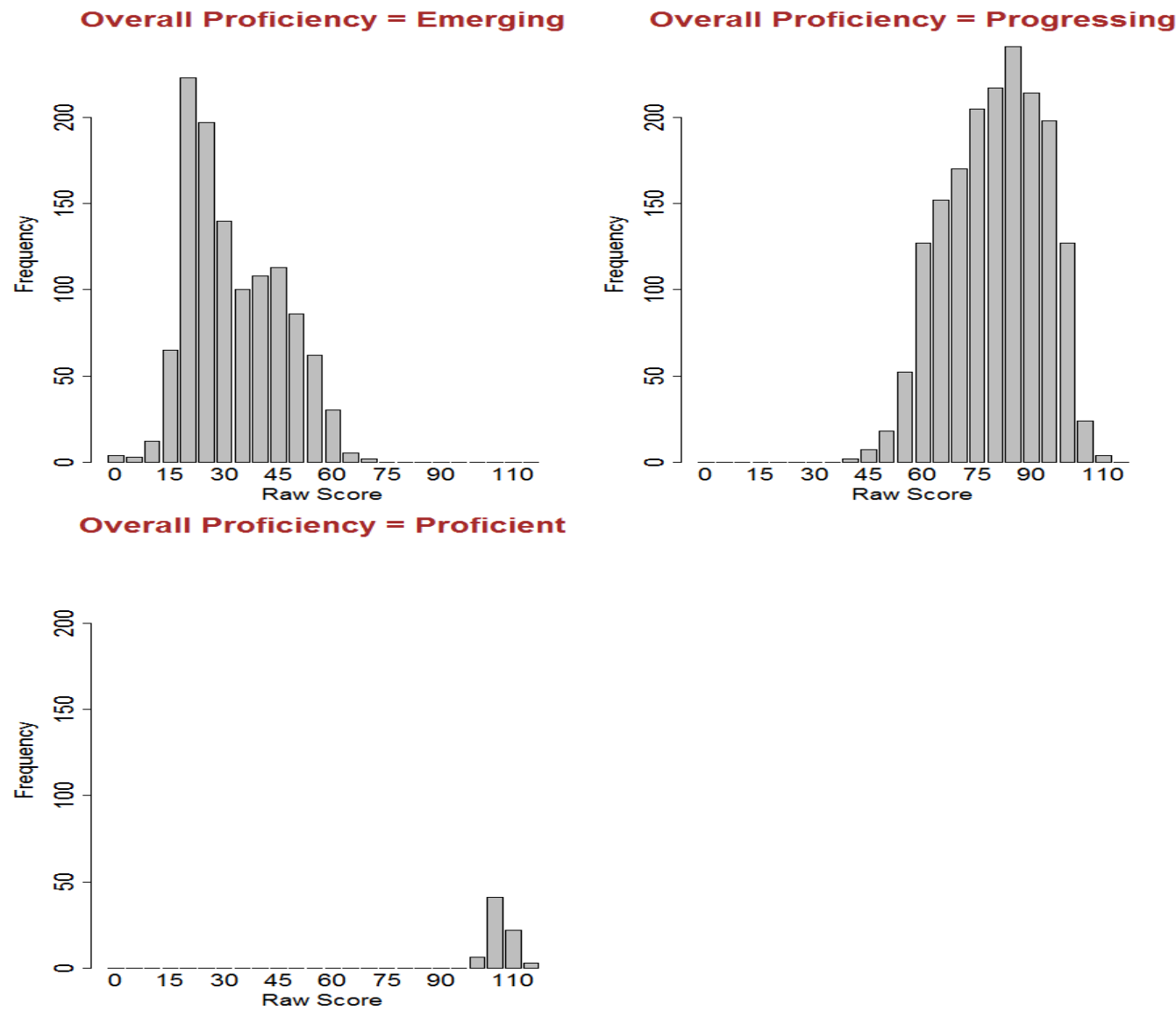


Figure S3.51: Summative Raw Score Distributions - Grade 10 Listening

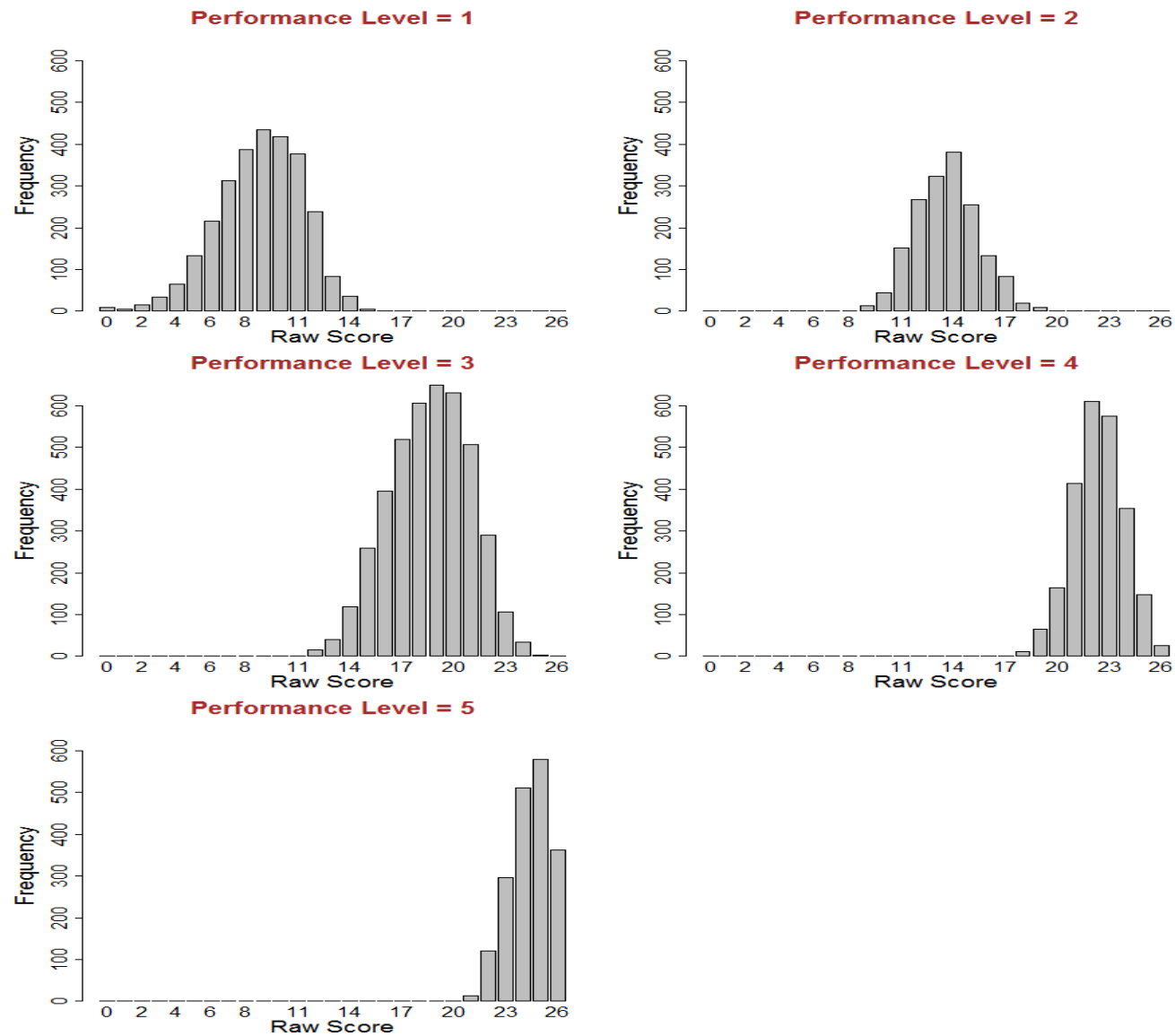


Figure S3.52: Summative Raw Score Distributions - Grade 10 Reading

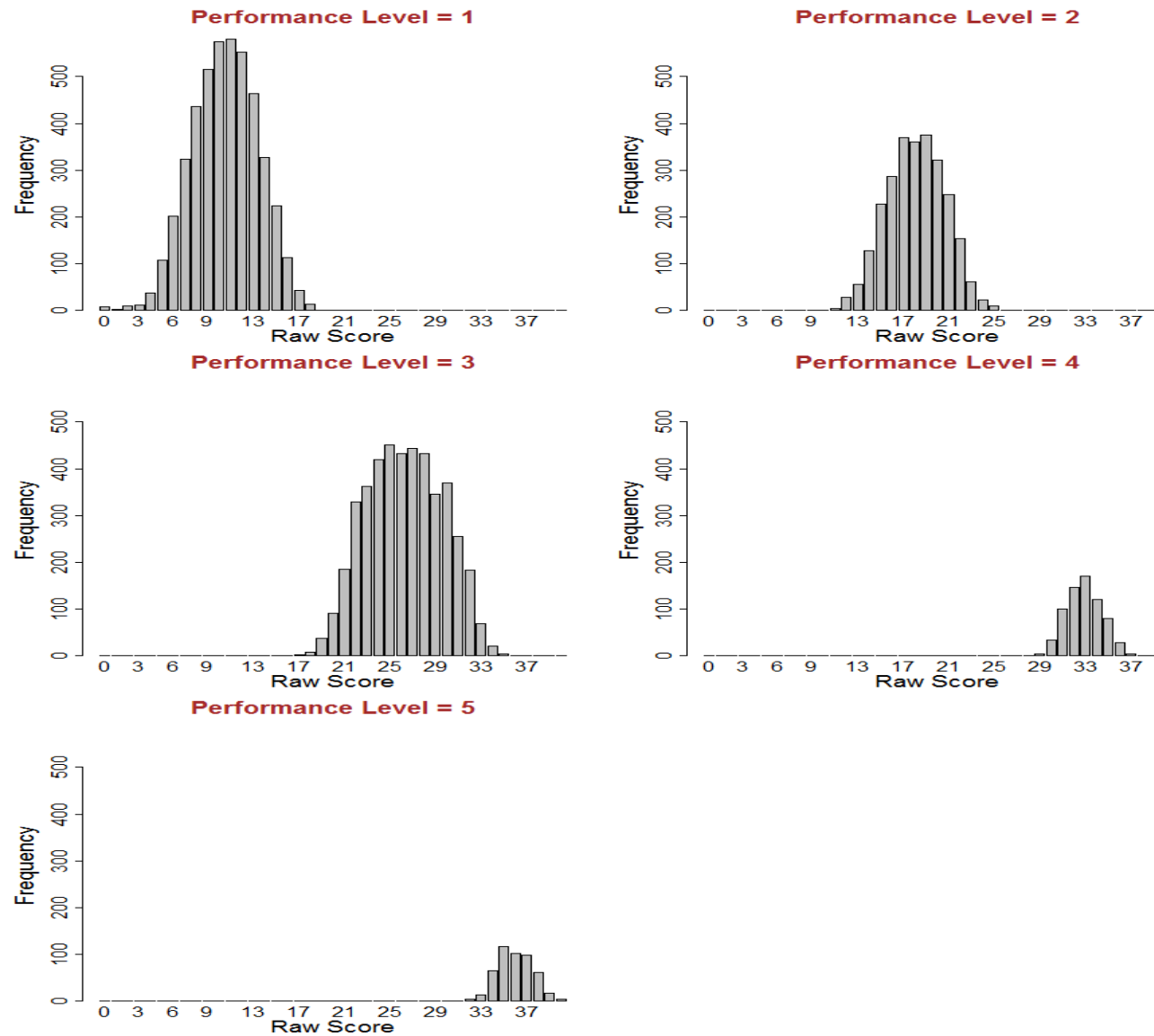


Figure S3.53: Summative Raw Score Distributions - Grade 10 Speaking

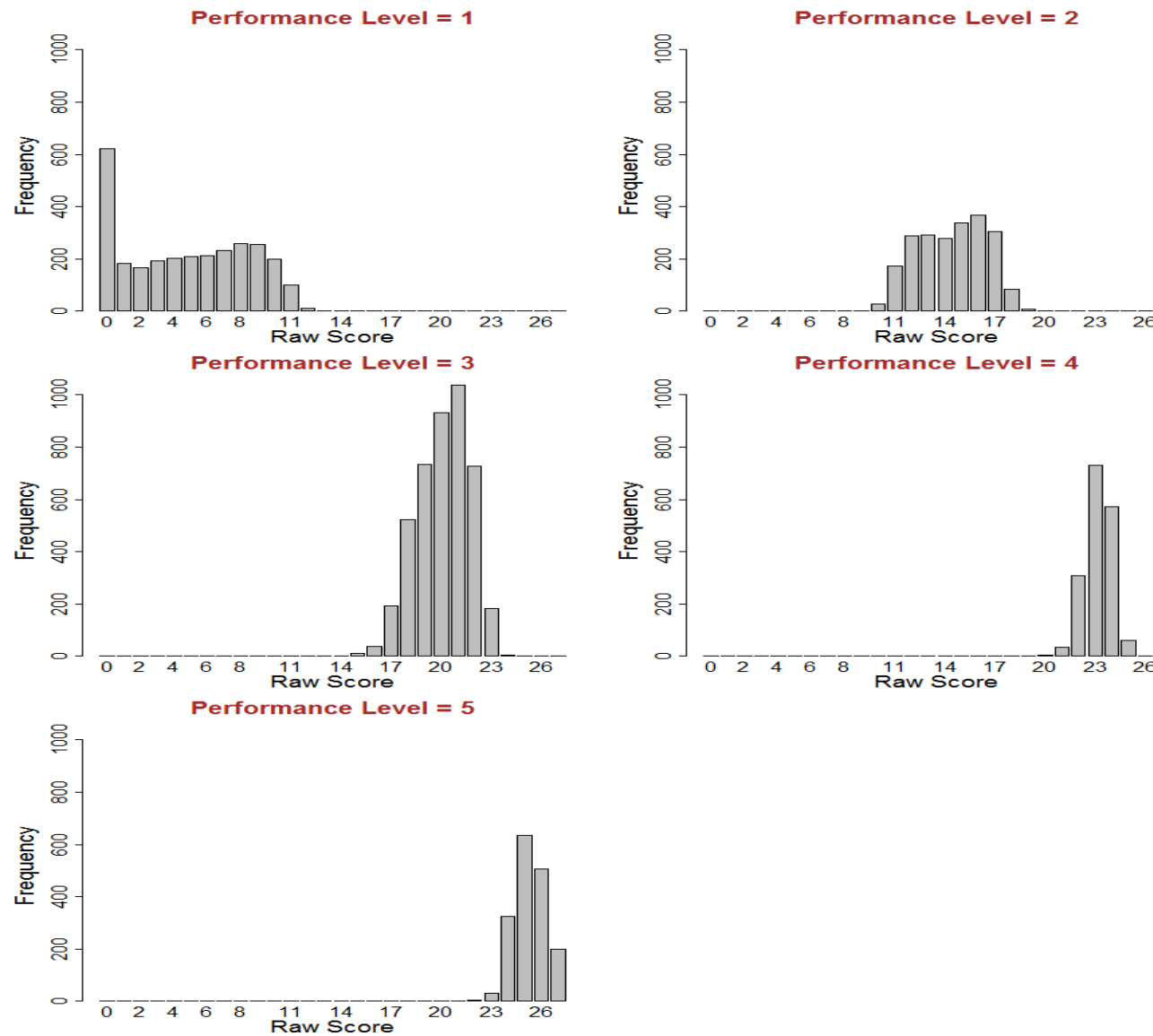


Figure S3.54: Summative Raw Score Distributions - Grade 10 Writing

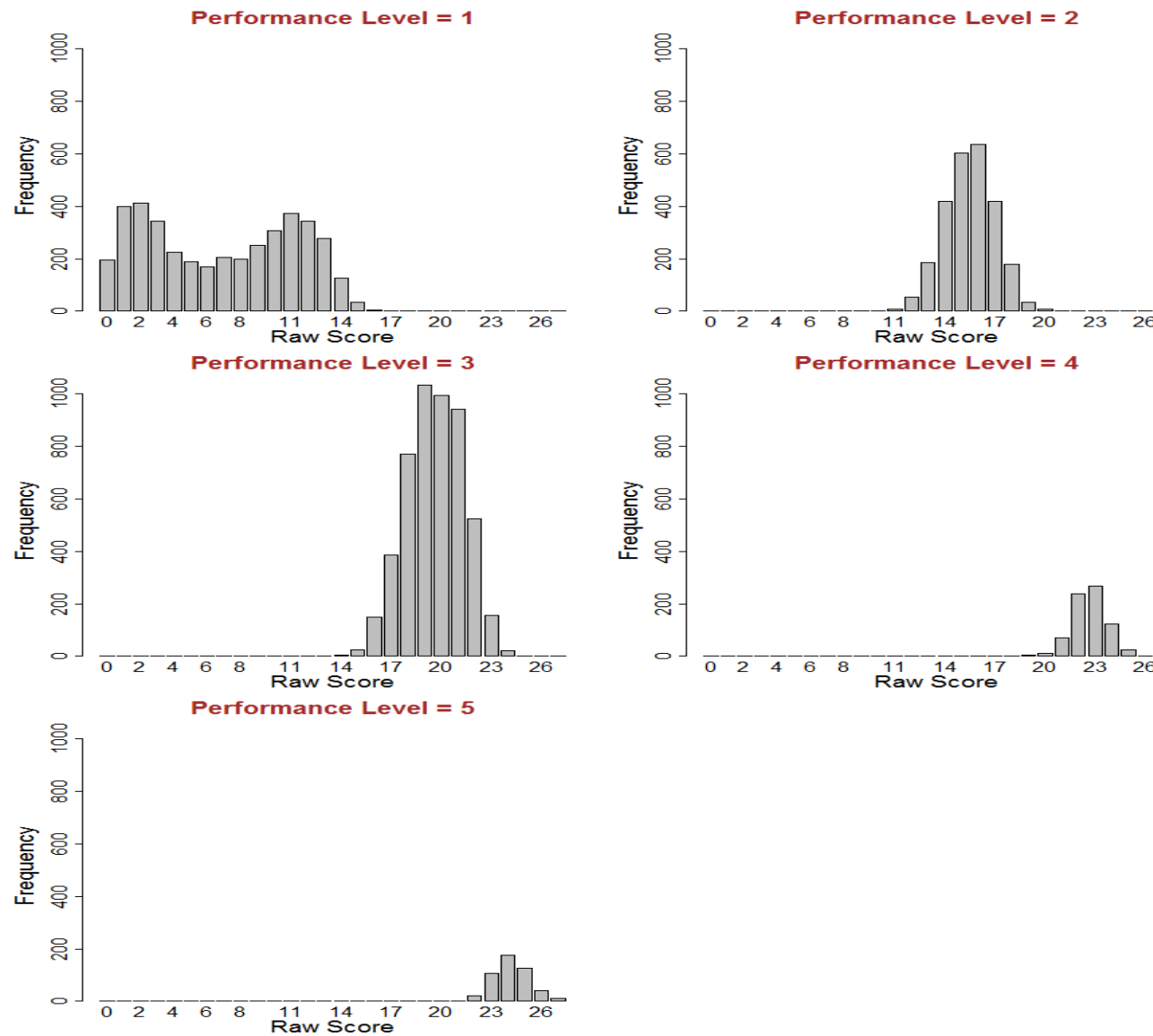


Figure S3.55: Summative Raw Score Distributions - Grade 10 Overall

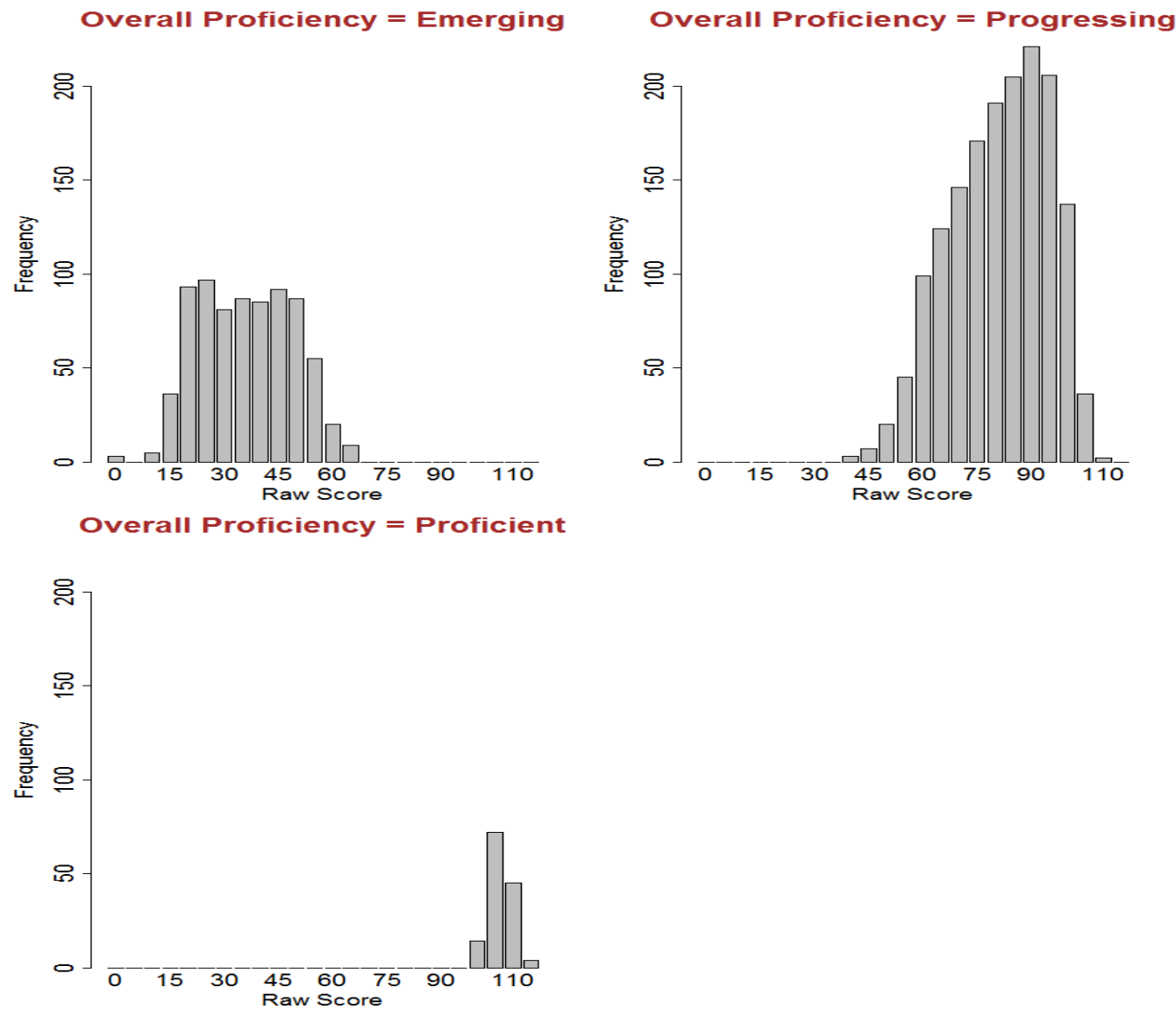


Figure S3.56: Summative Raw Score Distributions - Grade 11 Listening

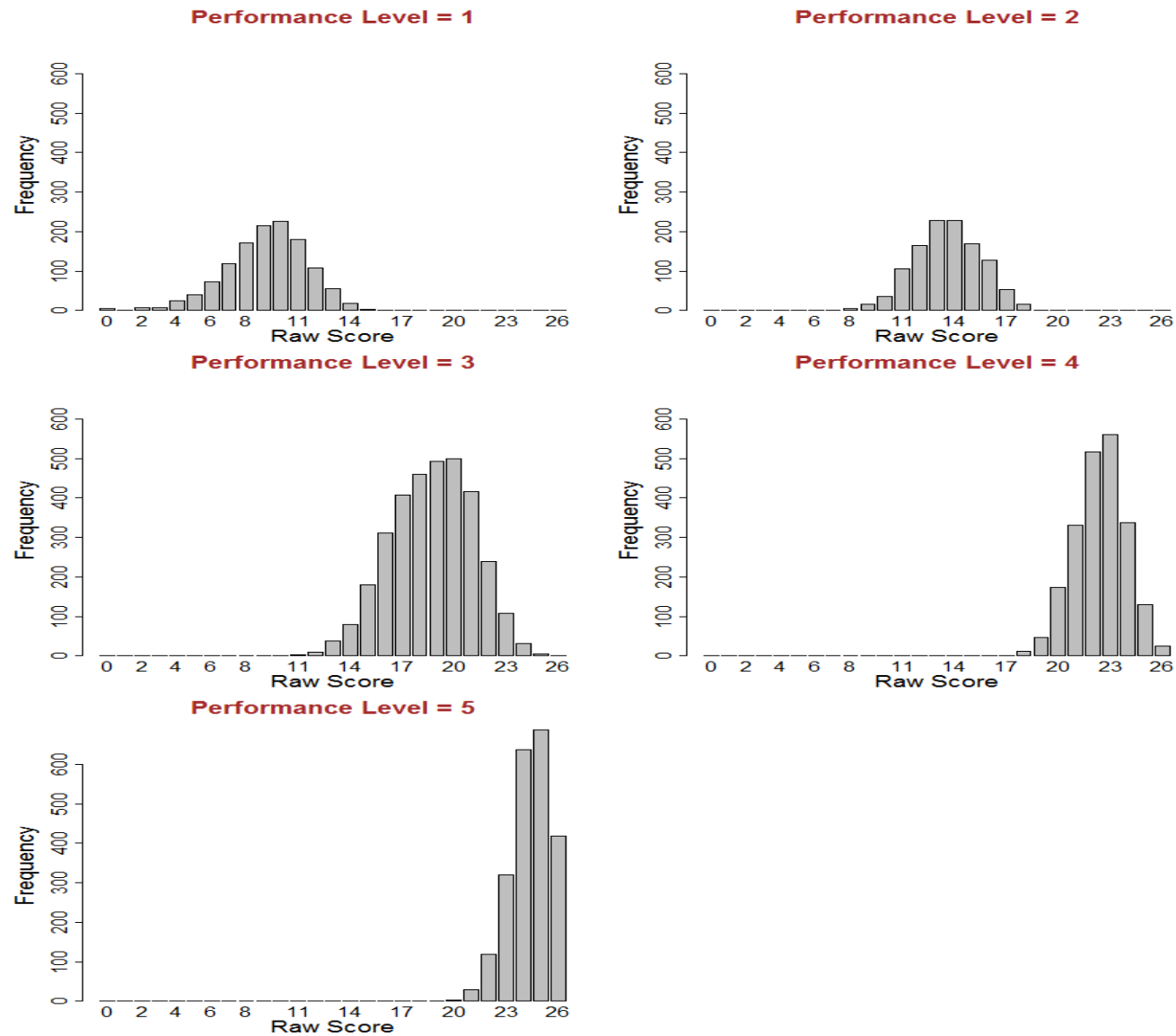


Figure S3.57: Summative Raw Score Distributions - Grade 11 Reading

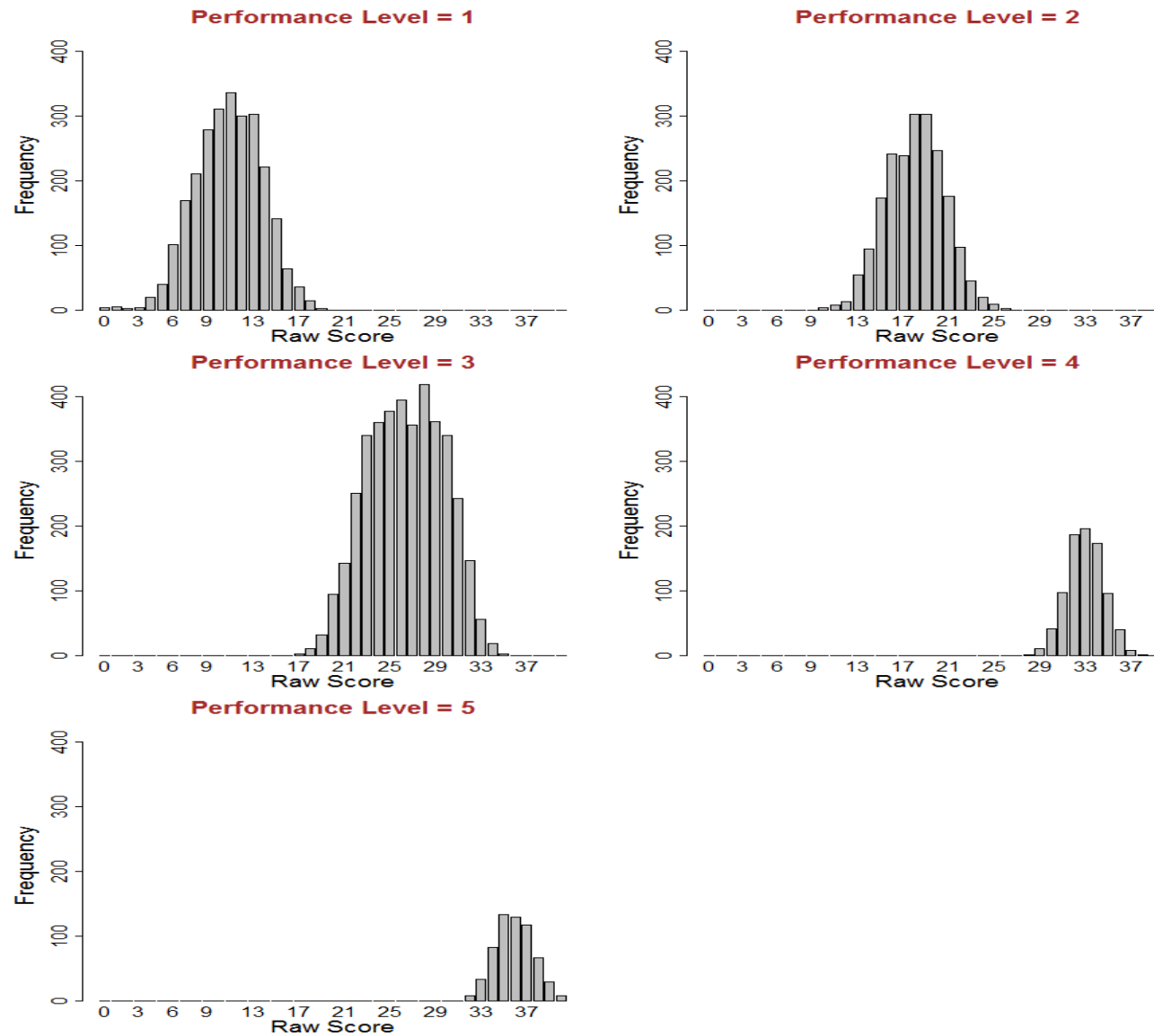


Figure S3.58: Summative Raw Score Distributions - Grade 11 Speaking

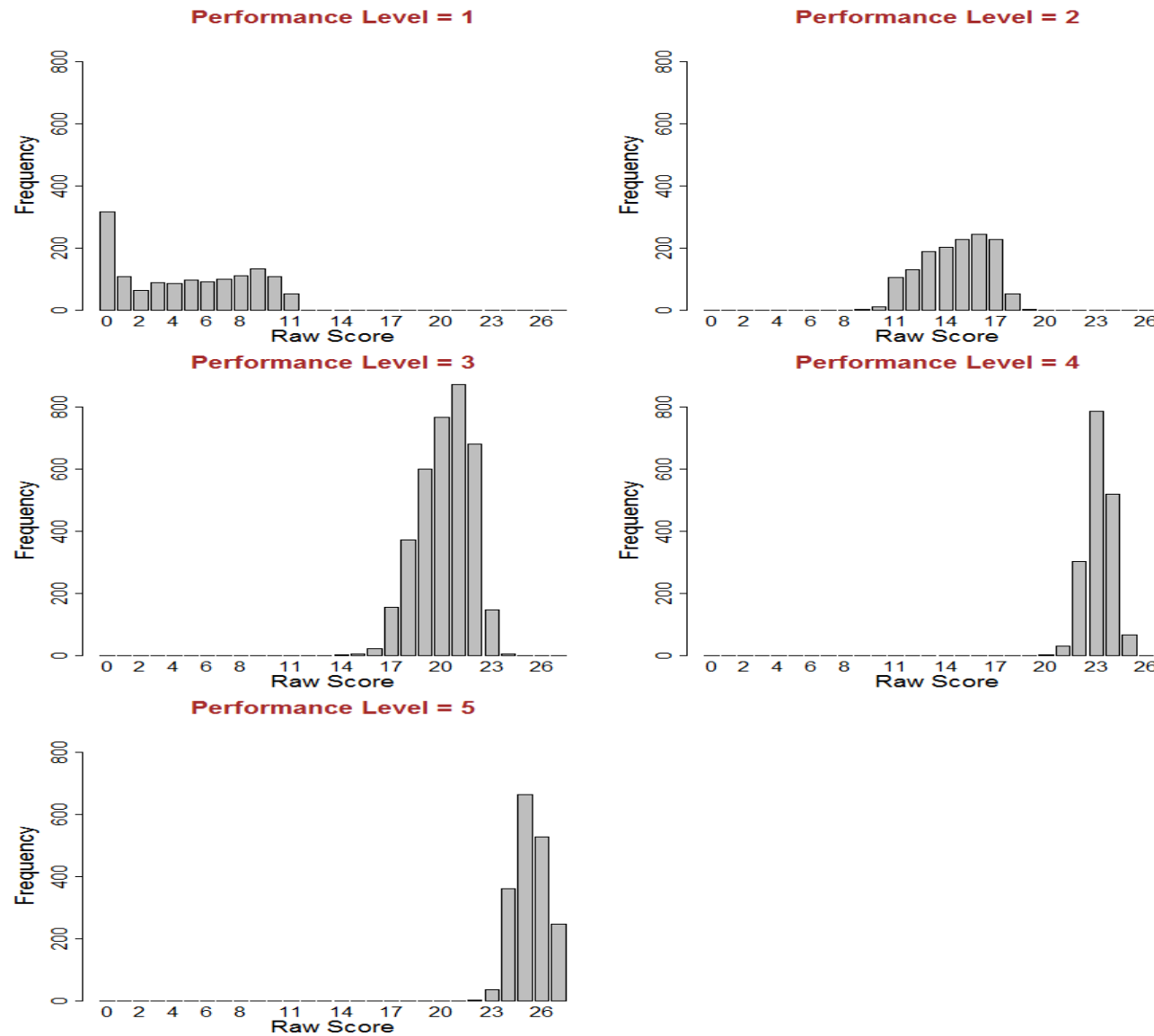


Figure S3.59: Summative Raw Score Distributions - Grade 11 Writing

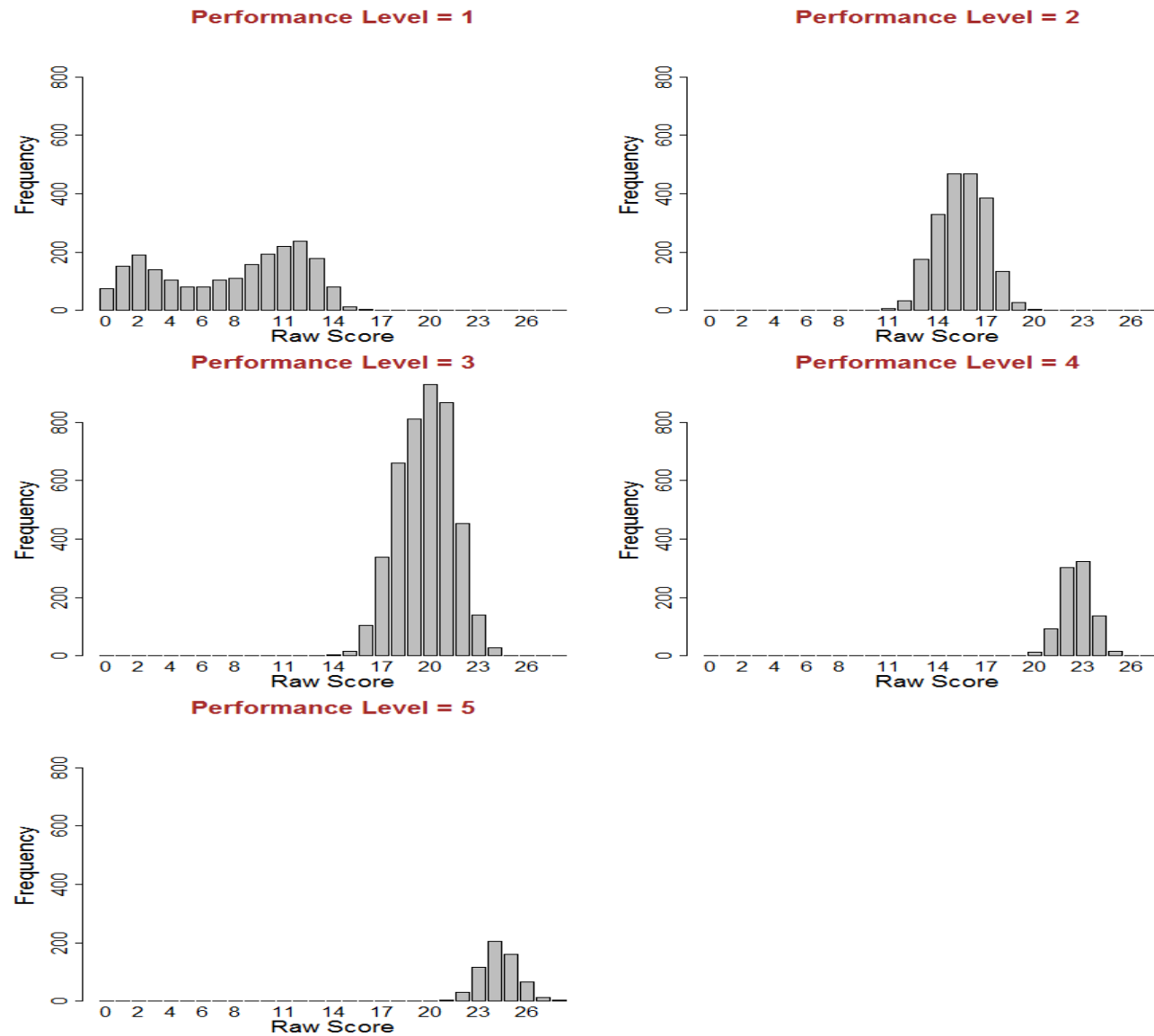


Figure S3.60: Summative Raw Score Distributions - Grade 11 Overall

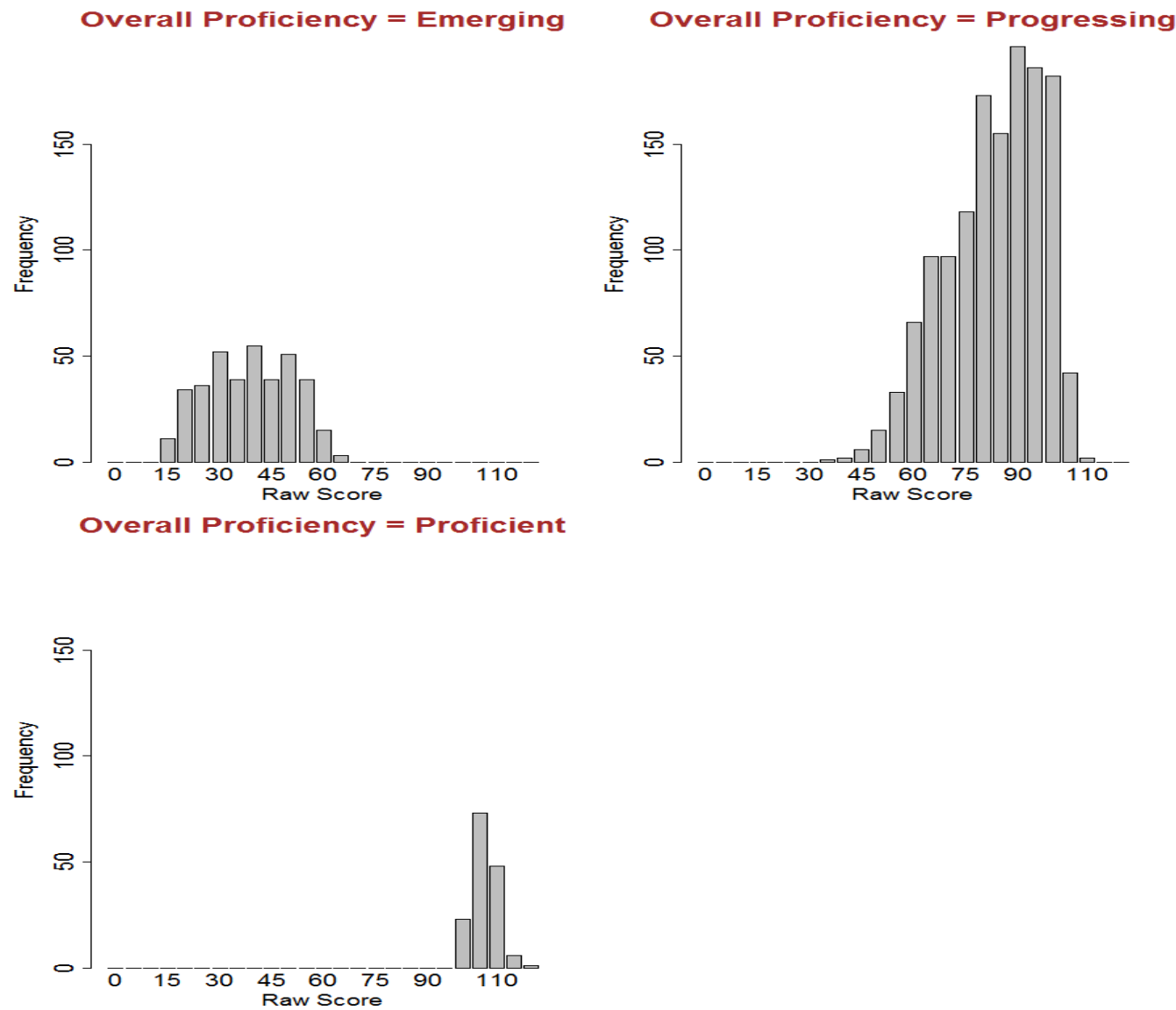


Figure S3.61: Summative Raw Score Distributions - Grade 12 Listening

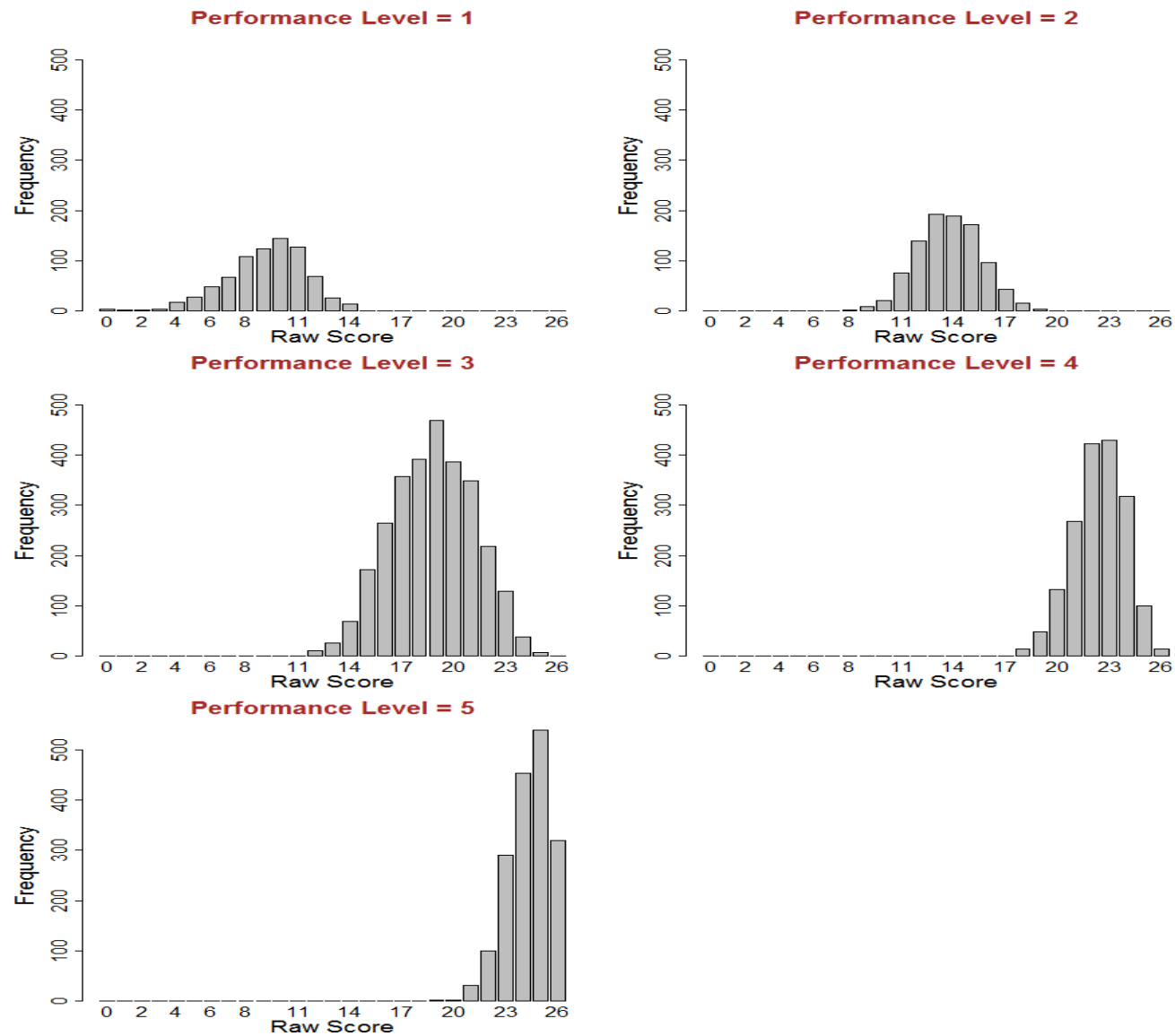


Figure S3.62: Summative Raw Score *Distributions* - Grade 12 Reading

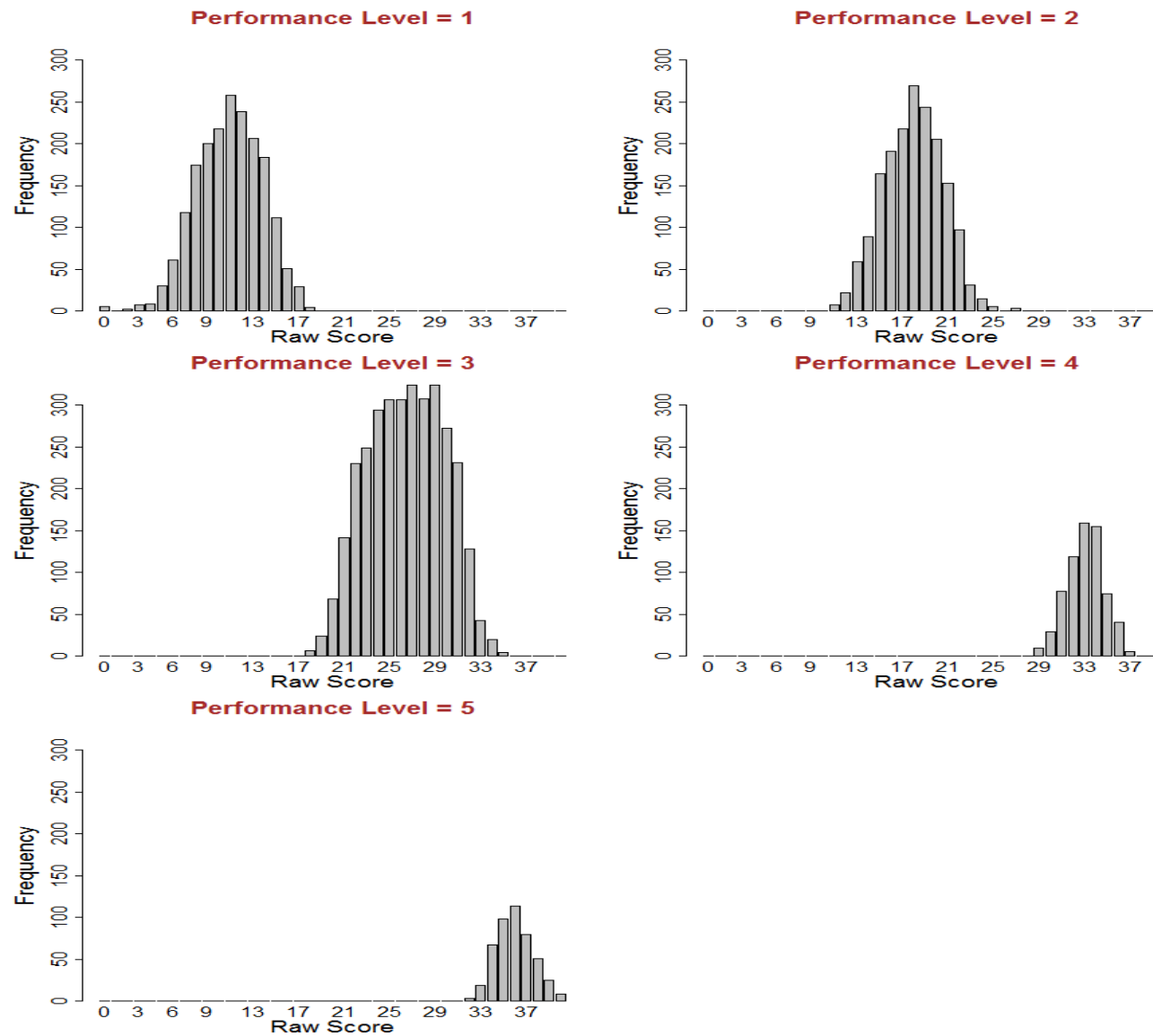


Figure S3.63: Summative Raw Score Distributions - Grade 12 Speaking

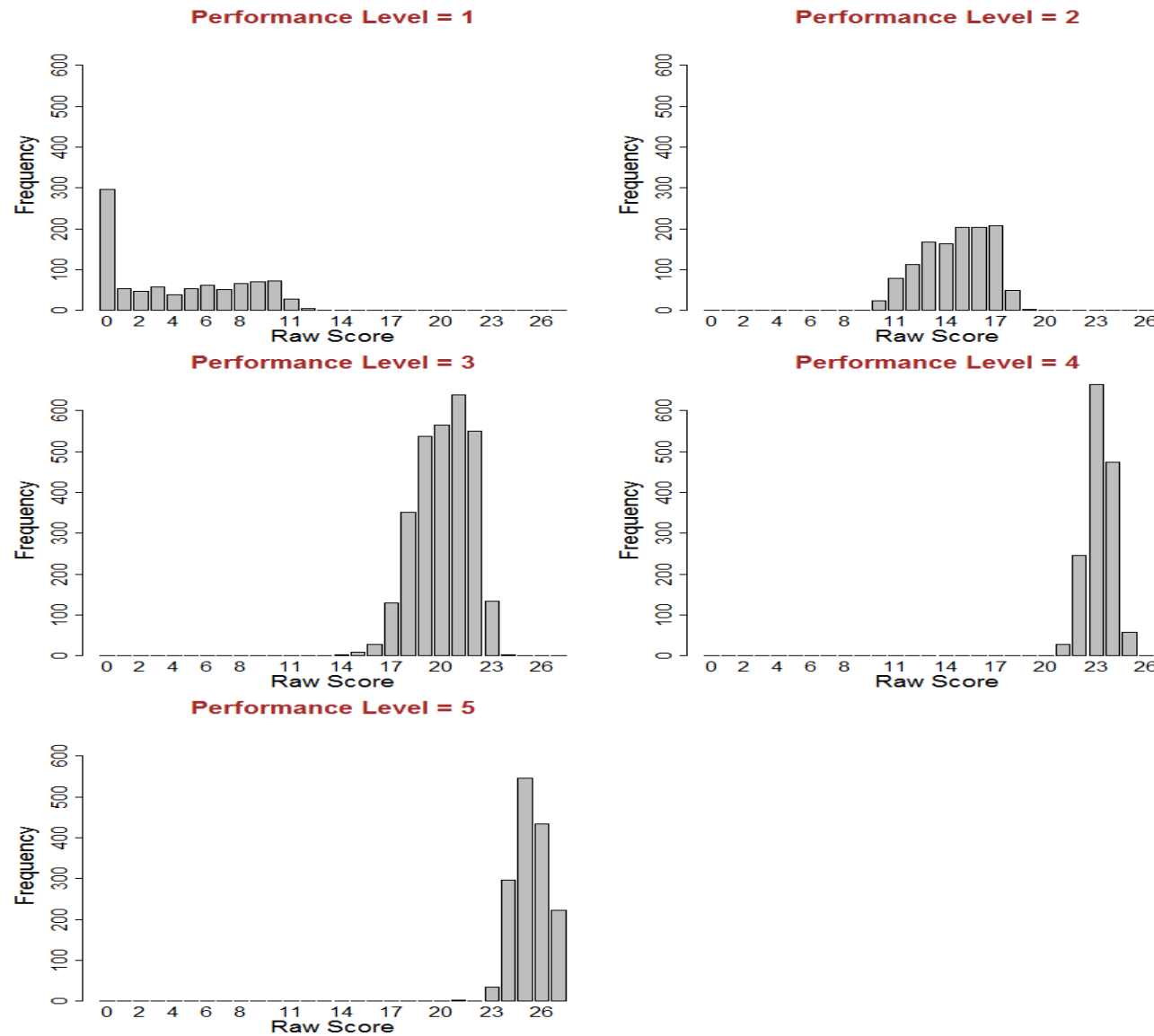


Figure S3.64: Summative Raw Score Distributions - Grade 12 Writing

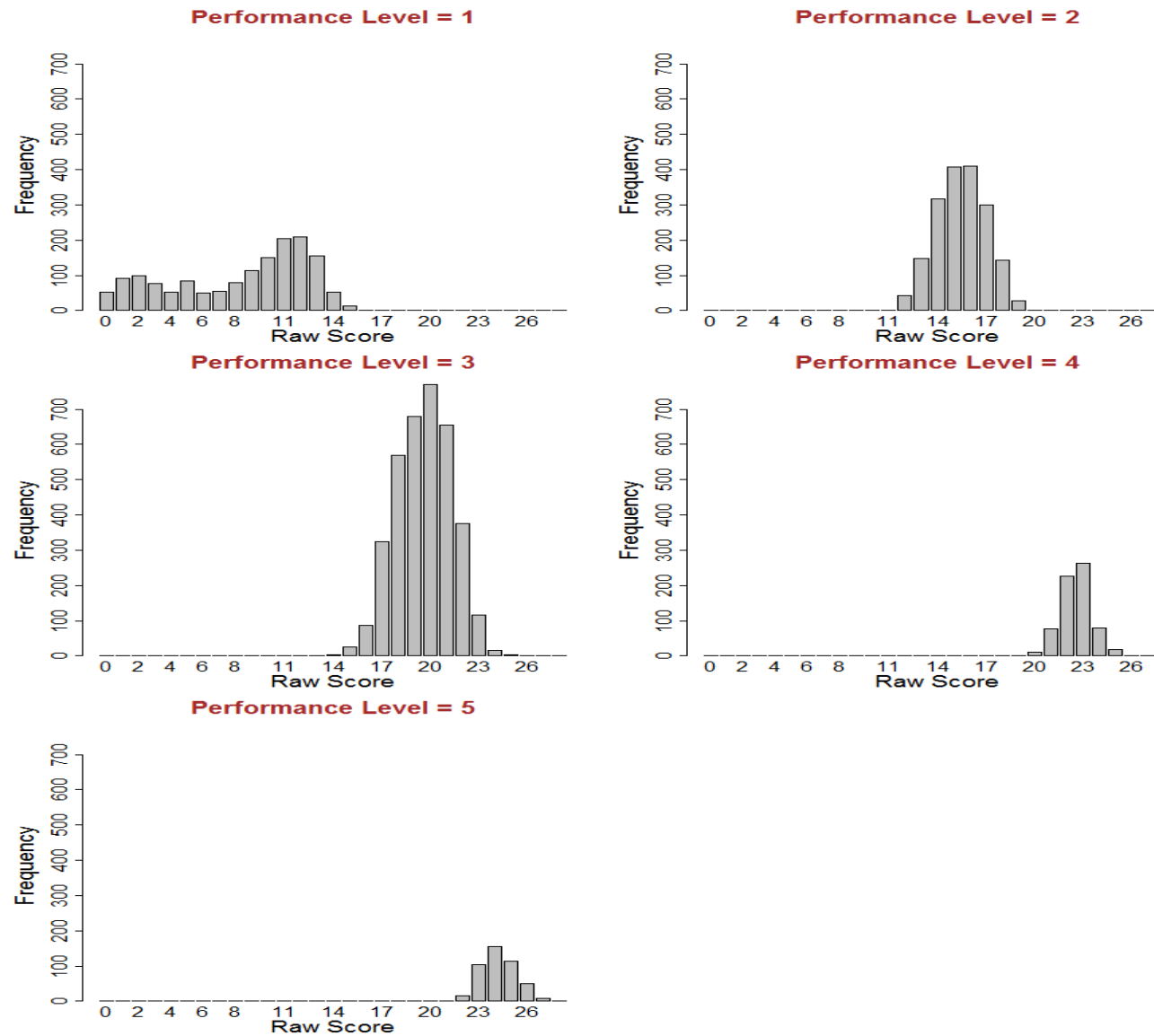
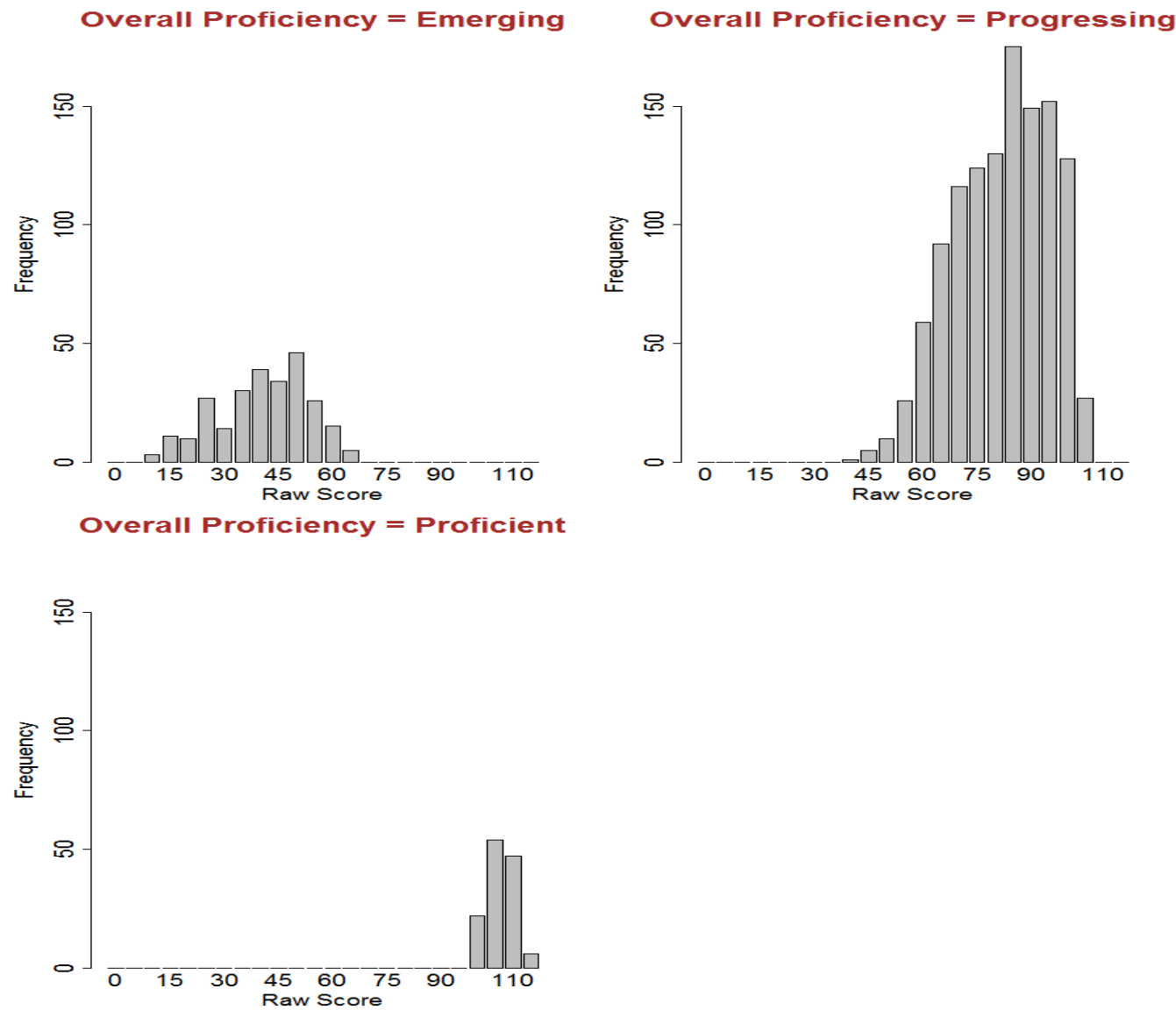


Figure S3.65: Summative Raw Score Distributions - Grade 12 Overall



Section 4: Summative Assessment - Scale Score Summary

- * Domain tests with Exemption or Not Attempted are excluded.
- * The statistics are suppressed when the N count is fewer than 10.

Table S4.1: Summative Scale Score Summary by Subgroup - Kindergarten

Subgroup	Status	Listening					Reading				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥27,910	233	547.5	745	77.1	≥27,810	247	548.7	740	73.6
Gender	Female	≥13,390	233	555.2	745	76.6	≥13,370	247	555.7	740	73.3
	Male	≥14,270	233	540.5	745	77.0	≥14,180	247	542.2	740	73.3
	Missing	≥250	381	540.3	738	70.8	≥250	417	538.7	729	67.7
Ethnicity	American Indian or Alaskan Native	≥90	386	553.0	695	68.9	≥90	388	554.2	693	67.2
	Asian	≥4,180	233	571.8	745	77.5	≥4,160	247	571.5	740	73.9
	Black or African American	≥2,990	233	550.0	745	73.4	≥2,960	247	552.4	740	69.4
	Hispanic or Latino	≥15,840	233	539.4	745	75.3	≥15,810	247	540.8	740	72.1
	Native Hawaiian or Other Pacific Islander	≥50	306	541.9	682	71.9	≥50	409	549.1	677	60.7
	Pacific Islander	≥550	233	532.4	706	71.7	≥540	247	535.9	700	69.0
	Two or More Races	≥1,320	233	536.3	745	80.2	≥1,310	247	537.8	740	76.0
	White	≥2,560	240	560.6	745	80.0	≥2,550	253	561.1	740	76.6
	Other/Unknown	≥310	339	573.6	738	77.6	≥310	402	574.5	729	72.3

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.1: Summative Scale Score Summary by Subgroup - Kindergarten (cont.)

Subgroup	Status	Speaking					Writing				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥27,730	285	559.4	744	91.3	≥27,770	302	532.0	718	76.1
Gender	Female	≥13,340	285	570.1	744	89.9	≥13,350	302	535.5	718	75.2
	Male	≥14,130	285	549.3	744	91.6	≥14,160	302	528.9	718	76.8
	Missing	≥250	339	555.2	742	86.9	≥250	354	522.7	715	75.2
Ethnicity	American Indian or Alaskan Native	≥90	328	570.4	722	85.2	≥90	397	541.8	688	71.6
	Asian	≥4,140	285	584.4	744	85.1	≥4,160	302	567.2	718	81.5
	Black or African American	≥2,950	285	579.2	744	82.3	≥2,940	302	537.8	718	78.0
	Hispanic or Latino	≥15,770	285	547.3	744	92.2	≥15,790	302	519.8	718	69.9
	Native Hawaiian or Other Pacific Islander	≥50	329	568.1	686	82.2	≥50	338	528.9	696	78.9
	Pacific Islander	≥540	285	546.6	731	83.1	≥540	302	518.8	704	74.5
	Two or More Races	≥1,310	285	546.0	744	97.8	≥1,310	302	516.5	718	72.8
	White	≥2,550	316	576.5	744	89.4	≥2,540	306	550.4	718	79.7
	Other/Unknown	≥310	322	585.3	742	85.8	≥310	392	559.6	715	80.2

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.1: Summative Scale Score Summary by Subgroup - Kindergarten (cont.)

Subgroup	Status	Comprehension					Overall				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥27,940	3361	5474.8	6776	534.6	≥27,960	3160	5468.5	7023	592.1
Gender	Female	≥13,400	3361	5526.3	6776	529.3	≥13,410	3160	5528.4	7023	584.3
	Male	≥14,270	3361	5427.5	6654	535.9	≥14,290	3160	5413.5	7023	594.7
	Missing	≥250	4407	5410.9	6553	490.1	≥260	4052	5408.9	6977	548.2
Ethnicity	American Indian or Alaskan Native	≥90	4321	5514.6	6553	492.4	≥90	4007	5537.2	6518	533.3
	Asian	≥4,180	3361	5617.0	6553	517.9	≥4,180	3160	5688.5	7023	589.4
	Black or African American	≥2,990	3361	5479.5	6553	501.8	≥3,000	3160	5531.4	7023	558.2
	Hispanic or Latino	≥15,850	3361	5429.6	6553	533.6	≥15,860	3160	5386.3	7023	575.5
	Native Hawaiian or Other Pacific Islander	≥50	4140	5451.3	6553	467.8	≥50	3741	5470.6	6610	552.8
	Pacific Islander	≥550	3361	5382.5	6553	496.1	≥550	3160	5362.7	6811	556.8
	Two or More Races	≥1,320	3361	5402.2	6553	561.2	≥1,330	3160	5361.6	7023	615.1
	White	≥2,560	3361	5551.6	6776	547.6	≥2,560	3276	5594.0	7023	604.6
	Other/Unknown	≥310	4229	5648.3	6553	525.6	≥310	3918	5685.4	6977	583.6

* Scale scores cannot be compared across grade bands.

Table S4.2: Summative Scale Score Summary by Subgroup - Grade 1

Subgroup	Status	Listening					Reading				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥27,800	233	547.6	711	76.1	≥27,690	235	536.7	759	81.5
Gender	Female	≥13,480	233	554.1	711	74.4	≥13,450	235	542.3	759	82.0
	Male	≥14,110	233	541.7	711	77.2	≥14,030	235	531.7	759	80.8
	Missing	≥200	351	532.7	664	67.6	≥200	370	512.4	729	72.8
Ethnicity	American Indian or Alaskan Native	≥80	353	556.7	701	71.1	≥80	388	542.0	745	76.2
	Asian	≥3,980	270	569.6	711	77.1	≥3,950	254	574.9	759	85.2
	Black or African American	≥2,850	233	555.2	711	74.6	≥2,820	235	548.3	759	80.2
	Hispanic or Latino	≥16,050	233	540.6	711	74.4	≥16,020	235	524.6	759	77.0
	Native Hawaiian or Other Pacific Islander	≥50	389	534.6	666	63.1	≥50	417	542.7	730	71.4
	Pacific Islander	≥560	249	541.5	701	71.9	≥550	272	532.0	745	80.1
	Two or More Races	≥1,460	270	533.0	711	77.4	≥1,450	349	515.9	759	81.5
	White	≥2,440	336	558.8	711	78.2	≥2,440	301	553.1	759	82.0
	Other/Unknown	≥290	241	554.0	711	76.0	≥290	254	544.6	759	83.2

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.2: Summative Scale Score Summary by Subgroup - Grade 1 (cont.)

Subgroup	Status	Speaking					Writing				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥27,640	263	559.8	736	77.5	≥27,680	238	528.2	741	87.5
Gender	Female	≥13,440	263	568.0	736	75.3	≥13,450	238	534.4	741	86.8
	Male	≥13,980	263	552.0	736	78.9	≥14,020	238	522.5	741	87.9
	Missing	≥200	312	548.4	718	65.6	≥200	341	504.7	707	81.1
Ethnicity	American Indian or Alaskan Native	≥80	348	571.9	705	59.8	≥80	364	533.2	726	80.3
	Asian	≥3,930	271	582.2	736	76.1	≥3,950	258	566.7	741	86.0
	Black or African American	≥2,810	263	575.5	736	75.2	≥2,810	238	540.3	741	83.9
	Hispanic or Latino	≥16,000	263	550.5	736	76.5	≥16,020	238	515.5	741	84.8
	Native Hawaiian or Other Pacific Islander	≥50	354	563.2	722	64.0	≥50	369	533.0	711	76.3
	Pacific Islander	≥550	279	554.6	721	69.1	≥550	277	528.2	726	84.7
	Two or More Races	≥1,450	298	548.6	736	82.6	≥1,450	315	505.1	741	90.7
	White	≥2,430	291	572.8	736	77.3	≥2,440	318	547.8	741	86.6
	Other/Unknown	≥290	318	569.4	736	66.6	≥290	258	532.4	741	86.6

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.2: Summative Scale Score Summary by Subgroup - Grade 1 (cont.)

Subgroup	Status	Comprehension					Overall				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥27,810	3387	5451.5	6698	545.0	≥27,830	2967	5441.5	7032	621.6
Gender	Female	≥13,480	3387	5494.2	6698	542.3	≥13,490	2967	5498.9	7032	612.9
	Male	≥14,120	3387	5412.9	6698	545.2	≥14,130	2967	5389.1	7032	625.8
	Missing	≥200	4261	5310.8	6580	479.2	≥210	3975	5287.8	6740	547.7
Ethnicity	American Indian or Alaskan Native	≥80	4237	5509.5	6698	518.1	≥80	3949	5509.9	6835	556.5
	Asian	≥3,980	3557	5664.9	6698	571.7	≥3,980	3239	5689.2	7032	627.0
	Black or African American	≥2,860	3387	5515.7	6698	538.5	≥2,860	2967	5533.4	7032	606.4
	Hispanic or Latino	≥16,050	3387	5385.2	6698	520.8	≥16,060	2967	5357.4	7032	600.1
	Native Hawaiian or Other Pacific Islander	≥50	4675	5418.4	6467	447.7	≥50	4300	5447.0	6736	524.7
	Pacific Islander	≥560	3387	5405.2	6698	522.7	≥560	3362	5408.3	6835	589.7
	Two or More Races	≥1,470	3814	5324.4	6698	543.8	≥1,470	3685	5295.3	7032	638.1
	White	≥2,440	3936	5542.1	6698	554.1	≥2,450	3637	5568.8	7032	623.7
	Other/Unknown	≥290	3387	5517.4	6698	560.3	≥290	3150	5500.9	7032	600.1

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.3: Summative Scale Score Summary by Subgroup - Grade 2

Subgroup	Status	Listening					Reading				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥23,200	221	527.9	707	68.4	≥23,100	225	513.4	733	71.7
Gender	Female	≥11,050	240	530.9	707	67.8	≥11,010	240	518.5	733	72.0
	Male	≥11,980	221	525.2	705	68.8	≥11,920	225	508.8	731	71.1
	Missing	≥160	334	527.1	698	64.0	≥160	378	509.0	722	67.2
Ethnicity	American Indian or Alaskan Native	≥70	367	540.8	652	52.5	≥702	417	513.1	664	64.2
	Asian	≥2,910	240	544.2	707	68.9	≥2,900	242	540.6	733	72.5
	Black or African American	≥2,490	221	532.5	692	67.9	≥2,460	225	521.3	720	71.1
	Hispanic or Latino	≥13,740	239	524.8	707	66.8	≥13,710	240	506.4	733	69.8
	Native Hawaiian or Other Pacific Islander	≥40	373	515.3	635	64.9	≥40	402	516.6	662	72.4
	Pacific Islander	≥460	221	511.9	649	57.8	≥460	225	507.3	670	62.5
	Two or More Races	≥1,150	312	514.3	700	72.9	≥1,140	308	497.0	720	73.3
	White	≥2,020	221	531.8	698	73.5	≥2,000	225	522.5	721	72.9
	Other/Unknown	≥290	319	528.3	678	73.9	≥290	358	517.0	681	73.9

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.3: Summative Scale Score Summary by Subgroup - Grade 2 (cont.)

Subgroup	Status	Speaking					Writing				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥23,090	251	535.2	732	75.3	≥23,100	231	507.7	734	77.8
Gender	Female	≥11,010	258	540.9	732	74.0	≥11,000	245	513.9	734	76.5
	Male	≥11,910	251	530.0	731	76.2	≥11,930	231	502.1	725	78.6
	Missing	≥160	318	533.7	700	67.0	≥160	350	502.5	706	75.3
Ethnicity	American Indian or Alaskan Native	≥70	332	538.5	665	62.1	≥70	377	508.6	625	69.9
	Asian	≥2,900	259	551.8	732	73.6	≥2,900	321	536.8	725	75.0
	Black or African American	≥2,450	251	544.0	729	69.2	≥2,450	231	515.9	729	76.3
	Hispanic or Latino	≥13,710	261	530.7	721	75.3	≥13,710	245	500.2	734	76.7
	Native Hawaiian or Other Pacific Islander	≥40	376	542.4	702	66.7	≥40	365	513.8	668	80.4
	Pacific Islander	≥460	251	525.9	663	62.6	≥460	231	509.4	658	68.9
	Two or More Races	≥1,140	288	522.8	679	78.3	≥1,140	310	487.4	726	80.6
	White	≥2,000	251	541.8	726	79.4	≥2,010	231	518.1	713	78.3
	Other/Unknown	≥280	300	525.4	683	83.8	≥290	336	506.6	695	81.9

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.3: Summative Scale Score Summary by Subgroup - Grade 2 (cont.)

Subgroup	Status	Comprehension					Overall				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥23,220	3264	5297.8	6801	510.8	≥23,230	2934	5262.0	6905	564.9
Gender	Female	≥11,060	3264	5325.1	6801	512.8	≥11,060	3074	5303.5	6900	558.6
	Male	≥11,990	3264	5273.0	6685	508.3	≥12,000	2934	5224.2	6905	568.6
	Missing	≥160	4113	5280.7	6685	474.9	≥160	3855	5232.1	6779	521.3
Ethnicity	American Indian or Alaskan Native	≥70	4472	5350.4	6685	430.4	≥70	4081	5299.3	6235	464.4
	Asian	≥2,920	3331	5454.9	6685	523.3	≥2,920	3091	5442.6	6905	561.3
	Black or African American	≥2,490	3264	5341.2	6685	512.2	≥2,500	2934	5317.7	6824	548.7
	Hispanic or Latino	≥13,750	3264	5261.8	6685	496.0	≥13,750	3109	5217.8	6779	554.5
	Native Hawaiian or Other Pacific Islander	≥40	4376	5243.0	6549	498.2	≥40	4206	5270.4	6434	549.1
	Pacific Islander	≥460	3264	5194.8	6383	432.2	≥460	2934	5203.3	6368	481.1
	Two or More Races	≥1,160	3814	5193.7	6644	536.4	≥1,160	3538	5131.2	6688	591.5
	White	≥2,020	3264	5340.8	6801	534.3	≥2,020	2934	5321.7	6830	590.4
	Other/Unknown	≥290	4135	5327.2	6538	541.2	≥290	3737	5249.5	6580	609.1

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.4: Summative Scale Score Summary by Subgroup - Grade 3

Subgroup	Status	Listening					Reading				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥19,590	221	549.6	734	73.8	≥19,480	225	544.2	765	79.0
Gender	Female	≥9,260	221	551.3	727	75.3	≥9,210	225	549.8	763	80.7
	Male	≥10,200	221	548.2	734	72.4	≥10,140	225	539.1	765	77.3
	Missing	≥120	290	544.0	664	67.0	≥120	371	540.7	670	70.3
Ethnicity	American Indian or Alaskan Native	≥50	352	537.9	669	80.6	≥50	392	532.2	679	78.5
	Asian	≥2,370	221	562.3	719	75.4	≥2,360	225	567.7	763	78.4
	Black or African American	≥2,110	250	554.6	698	70.3	≥2,080	248	553.1	722	76.6
	Hispanic or Latino	≥11,240	234	549.1	727	72.5	≥11,210	231	539.9	756	78.3
	Native Hawaiian or Other Pacific Islander	≥20	392	535.3	628	57.0	≥20	384	531.5	649	67.8
	Pacific Islander	≥460	357	539.3	687	61.5	≥460	353	539.5	705	66.4
	Two or More Races	≥1,490	321	534.1	703	77.2	≥1,460	336	525.2	728	79.5
	White	≥1,600	249	545.8	734	82.0	≥1,580	237	547.6	765	83.1
	Other/Unknown	≥200	359	553.9	698	64.9	≥200	321	547.2	722	74.7

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.4: Summative Scale Score Summary by Subgroup - Grade 3 (cont.)

Subgroup	Status	Speaking					Writing				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥19,480	251	558.0	751	80.4	≥19,480	231	539.6	764	83.0
Gender	Female	≥9,210	251	563.1	749	80.8	≥9,220	231	545.6	761	83.6
	Male	≥10,140	251	553.4	751	79.8	≥10,130	231	534.2	764	82.2
	Missing	≥120	293	545.8	661	73.8	≥120	320	535.5	667	75.2
Ethnicity	American Indian or Alaskan Native	≥50	342	549.8	692	85.3	≥50	349	521.0	677	87.0
	Asian	≥2,360	251	568.8	749	78.1	≥2,350	231	562.2	761	80.5
	Black or African American	≥2,080	262	567.2	716	72.0	≥2,080	253	548.8	723	78.5
	Hispanic or Latino	≥11,220	254	556.3	746	80.7	≥11,220	236	535.2	757	82.8
	Native Hawaiian or Other Pacific Islander	≥20	358	562.2	638	59.1	≥20	361	535.5	639	74.3
	Pacific Islander	≥460	319	556.4	678	59.2	≥460	326	544.1	706	68.4
	Two or More Races	≥1,470	295	541.2	717	86.1	≥1,460	328	519.0	720	86.4
	White	≥1,580	256	556.7	751	89.0	≥1,580	242	543.6	764	87.3
	Other/Unknown	≥200	295	566.0	700	71.2	≥200	364	541.9	706	74.9

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.4: Summative Scale Score Summary by Subgroup - Grade 3 (cont.)

Subgroup	Status	Comprehension					Overall				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥19,600	3264	5487.5	6685	561.2	≥19,600	2934	5480.4	7150	613.9
Gender	Female	≥9,260	3264	5511.6	6685	573.8	≥9,260	2934	5518.3	7107	621.4
	Male	≥10,210	3264	5465.9	6685	549.3	≥10,220	2934	5446.6	7150	605.7
	Missing	≥120	3982	5463.2	6549	499.3	≥120	3553	5433.1	6369	548.7
Ethnicity	American Indian or Alaskan Native	≥50	4251	5407.4	6432	582.1	≥50	3916	5376.4	6475	646.9
	Asian	≥2,370	3264	5625.5	6685	573.3	≥2,370	2934	5621.6	7107	610.3
	Black or African American	≥2,110	3544	5536.9	6685	545.6	≥2,110	3163	5541.4	6700	576.5
	Hispanic or Latino	≥11,250	3331	5470.5	6685	552.4	≥11,250	2991	5459.6	7094	609.5
	Native Hawaiian or Other Pacific Islander	≥20	4346	5361.2	6465	459.6	≥20	4057	5430.9	6139	502.3
	Pacific Islander	≥460	4191	5405.1	6685	469.3	≥460	3931	5457.4	6561	485.6
	Two or More Races	≥1,490	3955	5361.5	6685	568.3	≥1,490	3729	5330.8	6792	636.7
	White	≥1,600	3400	5479.3	6685	602.1	≥1,600	3045	5482.2	7150	668.7
	Other/Unknown	≥200	3971	5519.8	6685	521.2	≥200	3827	5519.4	6772	548.1

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.5: Summative Scale Score Summary by Subgroup - Grade 4

Subgroup	Status	Listening					Reading				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥16,630	216	509.9	720	71.3	≥16,520	227	510.4	734	69.3
Gender	Female	≥7,640	216	511.5	703	70.3	≥7,610	227	512.3	714	68.5
	Male	≥8,890	216	508.7	720	72.1	≥8,810	227	509.0	734	70.0
	Missing	≥90	314	492.1	668	67.1	≥90	351	493.6	701	64.5
Ethnicity	American Indian or Alaskan Native	≥30	373	510.7	630	63.4	≥30	361	510.8	641	62.9
	Asian	≥1,800	278	521.0	681	70.9	≥1,780	292	525.5	701	68.8
	Black or African American	≥1,730	257	511.0	703	70.0	≥1,700	286	513.2	714	68.9
	Hispanic or Latino	≥9,870	216	509.9	702	70.4	≥9,840	227	508.9	710	68.7
	Native Hawaiian or Other Pacific Islander	≥20	417	510.3	608	50.4	≥20	385	506.2	622	60.1
	Pacific Islander	≥430	313	504.7	650	56.2	≥430	351	505.0	664	58.7
	Two or More Races	≥1,240	216	498.2	720	75.4	≥1,220	227	499.9	734	70.7
	White	≥1,290	216	505.6	672	78.5	≥1,280	227	509.4	698	74.8
	Other/Unknown	≥180	326	510.9	647	68.7	≥180	353	510.4	683	66.5

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.5: Summative Scale Score Summary by Subgroup - Grade 4 (cont.)

Subgroup	Status	Speaking					Writing				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥16,560	235	532.8	729	75.7	≥16,540	222	503.0	718	74.9
Gender	Female	≥7,620	235	537.7	727	74.9	≥7,610	222	507.6	715	73.7
	Male	≥8,840	235	528.8	729	76.2	≥8,830	222	499.2	718	75.6
	Missing	≥90	288	511.8	655	67.8	≥90	327	486.6	677	76.8
Ethnicity	American Indian or Alaskan Native	≥30	303	535.7	654	75.5	≥30	341	507.8	648	70.0
	Asian	≥1,780	267	541.5	707	70.2	≥1,790	286	518.2	690	72.0
	Black or African American	≥1,710	260	538.0	727	71.3	≥1,700	274	507.1	698	73.9
	Hispanic or Latino	≥9,860	235	532.3	729	76.4	≥9,850	222	501.1	715	74.5
	Native Hawaiian or Other Pacific Islander	≥20	441	539.1	652	52.9	≥20	368	504.1	586	55.7
	Pacific Islander	≥430	270	525.0	672	60.5	≥430	330	502.6	633	60.6
	Two or More Races	≥1,220	235	526.8	710	79.5	≥1,220	222	491.4	718	78.3
	White	≥1,290	235	526.7	716	82.3	≥1,280	222	502.3	681	81.2
	Other/Unknown	≥180	279	528.3	670	76.5	≥180	323	499.1	677	71.5

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.5: Summative Scale Score Summary by Subgroup - Grade 4 (cont.)

Subgroup	Status	Comprehension					Overall				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥16,650	3273	5223.8	6817	520.5	≥16,660	2877	5214.5	6869	564.4
Gender	Female	≥7,650	3273	5229.4	6817	511.4	≥7,650	2877	5242.2	6779	554.8
	Male	≥8,900	3273	5220.4	6817	528.6	≥8,910	2877	5192.2	6869	571.8
	Missing	≥90	4089	5091.7	6589	465.8	≥90	3796	5065.1	6513	525.3
Ethnicity	American Indian or Alaskan Native	≥30	4210	5213.0	6027	444.0	≥30	3869	5235.2	6254	525.4
	Asian	≥1,800	3628	5321.9	6691	530.3	≥1,800	3503	5316.2	6548	550.3
	Black or African American	≥1,740	3480	5230.4	6817	515.9	≥1,740	3333	5233.7	6779	554.4
	Hispanic or Latino	≥9,880	3273	5220.1	6817	512.5	≥9,890	2877	5208.6	6754	560.3
	Native Hawaiian or Other Pacific Islander	≥20	4603	5199.6	6170	404.9	≥20	4556	5221.1	5895	403.8
	Pacific Islander	≥430	3954	5178.1	6631	432.8	≥430	3525	5178.0	6184	452.1
	Two or More Races	≥1,240	3273	5138.9	6817	539.2	≥1,240	2877	5128.3	6869	591.7
	White	≥1,290	3273	5201.1	6817	566.4	≥1,300	2877	5187.3	6611	619.2
	Other/Unknown	≥180	4115	5244.1	6310	503.9	≥180	3751	5207.0	6397	551.7

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.6: Summative Scale Score Summary by Subgroup - Grade 5

Subgroup	Status	Listening					Reading				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥13,960	257	523.5	716	75.4	≥13,860	258	528.8	744	73.8
Gender	Female	≥6,260	263	524.9	711	75.0	≥6,220	258	531.0	730	73.0
	Male	≥7,630	257	522.4	716	75.6	≥7,570	263	527.0	744	74.4
	Missing	≥60	315	507.7	682	86.6	≥60	339	527.3	696	79.9
Ethnicity	American Indian or Alaskan Native	≥40	347	507.0	637	74.8	≥40	395	516.2	688	69.8
	Asian	≥1,420	273	535.0	716	76.0	≥1,400	258	543.6	722	74.1
	Black or African American	≥1,500	281	528.7	711	69.9	≥1,470	344	535.1	730	69.6
	Hispanic or Latino	≥8,260	263	524.0	710	75.0	≥8,240	308	527.7	744	73.9
	Native Hawaiian or Other Pacific Islander	≥20	355	517.2	654	71.7	≥20	384	518.0	662	69.4
	Pacific Islander	≥410	353	528.0	659	58.0	≥410	364	532.4	669	62.3
	Two or More Races	≥1,030	257	508.2	670	78.6	≥1,010	263	517.2	687	74.6
	White	≥1,110	297	510.8	688	83.0	≥1,090	313	519.4	698	78.2
	Other/Unknown	≥140	338	524.7	676	77.5	≥140	380	530.0	692	73.5

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.6: Summative Scale Score Summary by Subgroup - Grade 5 (cont.)

Subgroup	Status	Speaking					Writing				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥13,880	250	540.7	737	79.3	≥13,860	254	520.3	740	78.2
Gender	Female	≥6,240	250	544.3	734	79.8	≥6,230	254	525.0	718	77.2
	Male	≥7,580	253	537.9	737	78.8	≥7,560	273	516.5	740	78.7
	Missing	≥60	288	529.9	664	84.3	≥60	322	516.5	664	87.9
Ethnicity	American Indian or Alaskan Native	≥40	287	523.2	661	84.9	≥40	349	503.3	660	84.0
	Asian	≥1,410	250	548.2	695	75.6	≥1,410	254	534.5	726	75.8
	Black or African American	≥1,470	276	552.2	734	69.0	≥1,470	299	528.4	718	73.4
	Hispanic or Latino	≥8,250	270	539.7	737	80.5	≥8,240	273	518.8	740	78.2
	Native Hawaiian or Other Pacific Islander	≥20	313	527.8	637	86.9	≥20	329	516.9	635	81.0
	Pacific Islander	≥410	303	547.5	662	56.3	≥410	329	529.0	663	62.6
	Two or More Races	≥1,010	253	530.6	706	85.1	≥1,000	273	507.6	674	81.3
	White	≥1,100	269	532.3	732	86.8	≥1,090	292	511.7	683	84.8
	Other/Unknown	≥140	287	535.2	694	77.3	≥140	329	522.6	679	78.1

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.6: Summative Scale Score Summary by Subgroup - Grade 5 (cont.)

Subgroup	Status	Comprehension					Overall				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥13,970	3462	5346.0	6817	559.9	≥13,980	3134	5331.8	6922	597.1
Gender	Female	≥6,260	3616	5351.3	6817	551.8	≥6,260	3134	5357.0	6882	592.6
	Male	≥7,640	3462	5342.3	6817	565.8	≥7,640	3145	5311.8	6922	599.4
	Missing	≥60	4050	5276.1	6817	629.2	≥ 60	3729	5256.5	6483	667.7
Ethnicity	American Indian or Alaskan Native	≥40	4235	5235.3	6381	512.9	≥40	3887	5204.3	6420	611.2
	Asian	≥1,420	3589	5450.4	6817	580.7	≥1,420	3134	5428.5	6741	588.5
	Black or African American	≥1,500	3844	5377.4	6817	521.0	≥1,500	3498	5388.4	6882	549.3
	Hispanic or Latino	≥8,270	3647	5347.6	6817	557.7	≥8,270	3326	5327.8	6922	597.7
	Native Hawaiian or Other Pacific Islander	≥20	4377	5264.7	6531	508.8	≥20	4069	5268.4	6288	601.5
	Pacific Islander	≥410	4153	5364.5	6545	450.0	≥410	3804	5383.9	6318	459.4
	Two or More Races	≥1,030	3462	5238.5	6691	569.3	≥1,030	3145	5223.2	6492	624.6
	White	≥1,110	3835	5255.8	6817	597.8	≥1,110	3492	5250.4	6675	654.1
	Other/Unknown	≥140	4160	5360.4	6817	578.1	≥140	3889	5335.0	6594	591.1

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.7: Summative Scale Score Summary by Subgroup - Grade 6

Subgroup	Status	Listening					Reading				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥12,750	222	507.9	737	69.3	≥12,660	239	511.3	747	61.9
Gender	Female	≥5,650	277	509.3	734	69.1	≥5,620	275	512.8	747	60.8
	Male	≥7,010	222	506.9	737	69.5	≥6,950	239	510.2	731	62.7
	Missing	≥80	351	497.4	636	68.9	≥80	377	507.2	638	60.9
Ethnicity	American Indian or Alaskan Native	≥30	364	501.3	644	77.3	≥30	389	509.1	645	70.3
	Asian	≥1,160	318	523.3	734	69.5	≥1,150	326	529.8	747	64.5
	Black or African American	≥1,410	303	514.4	721	63.5	≥1,390	290	515.3	740	59.8
	Hispanic or Latino	≥7,470	222	506.8	731	69.2	≥7,450	239	509.5	739	61.1
	Native Hawaiian or Other Pacific Islander	≥30	376	503.9	638	57.5	≥30	419	510.3	682	61.3
	Pacific Islander	≥410	356	512.1	643	57.4	≥410	364	515.0	650	55.0
	Two or More Races	≥1,110	222	492.9	737	73.4	≥1,080	239	501.0	731	63.6
	White	≥950	294	503.3	692	73.8	≥940	342	507.3	703	63.5
	Other/Unknown	≥150	343	512.5	666	69.1	≥150	388	515.7	654	60.3

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.7: Summative Scale Score Summary by Subgroup - Grade 6 (cont.)

Subgroup	Status	Speaking					Writing				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥12,690	260	532.0	748	77.8	≥12,670	235	501.5	731	75.3
Gender	Female	≥5,620	281	535.2	746	78.4	≥5,620	280	507.0	726	75.1
	Male	≥6,970	260	529.6	748	77.2	≥6,950	235	497.1	731	75.1
	Missing	≥80	316	516.7	662	73.2	≥80	335	489.2	636	79.3
Ethnicity	American Indian or Alaskan Native	≥30	337	524.6	638	87.4	≥30	343	494.4	644	83.3
	Asian	≥1,150	300	545.9	746	76.1	≥1,150	312	519.0	711	74.1
	Black or African American	≥1,400	307	542.9	708	66.9	≥1,390	286	509.3	722	68.0
	Hispanic or Latino	≥7,450	260	530.3	707	78.2	≥7,450	235	499.5	726	75.2
	Native Hawaiian or Other Pacific Islander	≥30	382	536.8	680	69.8	≥30	350	501.4	642	69.5
	Pacific Islander	≥410	311	539.6	692	66.3	≥410	323	511.7	656	65.5
	Two or More Races	≥1,090	260	515.0	748	83.9	≥1,080	235	486.0	731	80.3
	White	≥940	293	529.2	704	83.8	≥940	293	497.4	683	80.3
	Other/Unknown	≥150	318	530.1	666	76.7	≥150	335	503.3	666	71.8

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.7: Summative Scale Score Summary by Subgroup - Grade 6 (cont.)

Subgroup	Status	Comprehension					Overall				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥12,770	3323	5209.0	6967	477.1	≥12,780	2993	5205.5	7008	549.1
Gender	Female	≥5,660	3607	5210.6	6967	464.7	≥5,660	3271	5229.7	7008	546.0
	Male	≥7,020	3323	5208.3	6967	487.0	≥7,030	2993	5186.9	6997	550.9
	Missing	≥80	4312	5163.9	6155	464.4	≥80	3953	5122.0	6044	550.8
Ethnicity	American Indian or Alaskan Native	≥30	4352	5192.0	6467	565.2	≥30	4005	5160.7	6183	620.9
	Asian	≥1,160	3978	5334.3	6967	498.7	≥1,160	3603	5337.9	7008	551.2
	Black or African American	≥1,410	3728	5242.2	6860	452.2	≥1,410	3508	5262.2	6789	495.8
	Hispanic or Latino	≥7,480	3323	5199.8	6967	472.9	≥7,480	2993	5193.5	6851	547.3
	Native Hawaiian or Other Pacific Islander	≥30	4539	5186.0	6303	431.5	≥30	4191	5208.4	6400	497.9
	Pacific Islander	≥410	4308	5225.9	6511	401.4	≥410	3863	5260.7	6351	466.3
	Two or More Races	≥1,110	3323	5118.7	6967	497.2	≥1,120	2993	5082.4	6997	582.5
	White	≥950	3744	5172.3	6684	491.3	≥950	3510	5172.7	6631	587.5
	Other/Unknown	≥150	4254	5249.9	6540	476.3	≥150	3898	5226.2	6319	542.6

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.8: Summative Scale Score Summary by Subgroup - Grade 7

Subgroup	Status	Listening					Reading				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥11,720	222	515.6	760	75.3	≥11,660	239	521.8	767	67.1
Gender	Female	≥5,170	296	518.6	760	76.2	≥5,150	279	524.9	767	66.7
	Male	≥6,500	222	513.3	731	74.5	≥6,450	239	519.4	740	67.4
	Missing	≥40	363	503.4	643	76.5	≥40	352	508.3	646	69.3
Ethnicity	American Indian or Alaskan Native	≥40	372	493.4	638	72.6	≥40	393	502.8	644	65.8
	Asian	≥940	334	537.8	760	76.5	≥930	379	544.2	767	71.9
	Black or African American	≥1,190	302	525.0	719	69.3	≥1,170	373	527.7	724	64.9
	Hispanic or Latino	≥7,190	222	513.4	759	75.6	≥7,170	239	519.8	755	66.3
	Native Hawaiian or Other Pacific Islander	≥10	430	518.7	593	47.1	≥104	439	517.2	600	48.2
	Pacific Islander	≥340	332	526.9	668	61.5	≥340	388	529.0	691	58.1
	Two or More Races	≥930	311	498.6	723	74.6	≥920	343	506.2	731	65.4
	White	≥910	222	512.8	718	79.7	≥910	239	521.3	728	71.5
	Other/Unknown	≥120	365	512.5	679	67.1	≥120	396	519.7	692	61.5

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.8: Summative Scale Score Summary by Subgroup - Grade 7 (cont.)

Subgroup	Status	Speaking					Writing				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥11,670	260	534.5	732	82.3	≥11,660	235	511.4	768	80.5
Gender	Female	≥5,150	283	539.0	732	82.5	≥5,150	275	517.3	768	80.5
	Male	≥6,470	260	531.1	730	82.0	≥6,460	235	506.9	744	80.2
	Missing	≥40	311	513.2	639	90.1	≥40	330	499.9	642	85.2
Ethnicity	American Indian or Alaskan Native	≥40	312	512.5	654	85.7	≥40	325	482.4	625	81.6
	Asian	≥930	307	555.4	730	77.8	≥930	325	532.3	768	81.4
	Black or African American	≥1,180	303	546.8	720	74.2	≥1,170	321	521.4	716	74.4
	Hispanic or Latino	≥7,180	260	531.2	732	83.7	≥7,170	235	509.0	767	80.6
	Native Hawaiian or Other Pacific Islander	≥10	441	543.8	627	56.5	≥10	385	527.4	607	52.6
	Pacific Islander	≥340	317	547.8	713	62.2	≥340	337	530.3	670	63.8
	Two or More Races	≥920	304	517.6	706	84.2	≥920	297	494.6	720	81.5
	White	≥910	260	536.1	724	86.0	≥910	235	507.5	721	86.1
	Other/Unknown	≥120	311	537.6	666	70.7	≥120	330	512.1	700	70.1

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.8: Summative Scale Score Summary by Subgroup - Grade 7 (cont.)

Subgroup	Status	Comprehension					Overall				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥11,740	3323	5277.2	6967	520.2	≥11,740	2993	5268.9	7103	590.9
Gender	Female	≥5,180	3717	5293.4	6967	520.7	≥5,180	3287	5302.3	7103	591.8
	Male	≥6,510	3323	5264.9	6878	519.5	≥6,520	2993	5243.2	6789	588.6
	Missing	≥40	4138	5182.3	6420	525.9	≥40	3865	5151.8	6182	623.7
Ethnicity	American Indian or Alaskan Native	≥40	4379	5142.3	6389	512.2	≥40	3880	5078.8	6217	600.2
	Asian	≥940	4084	5443.9	6967	549.1	≥940	3776	5443.4	7084	597.7
	Black or African American	≥1,190	4040	5327.3	6779	490.3	≥1,190	3711	5342.1	6789	544.6
	Hispanic or Latino	≥7,200	3323	5262.9	6878	517.3	≥7,200	2993	5249.6	7103	592.2
	Native Hawaiian or Other Pacific Islander	≥10	4747	5238.3	5795	315.6	≥10	4498	5321.1	5905	386.9
	Pacific Islander	≥340	4137	5330.7	6647	438.7	≥340	3971	5375.3	6443	464.1
	Two or More Races	≥940	3951	5157.6	6842	509.4	≥940	3588	5130.6	6753	590.1
	White	≥910	3323	5267.1	6835	552.4	≥920	2993	5257.6	6854	630.3
	Other/Unknown	≥120	4327	5252.1	6450	464.7	≥120	3865	5267.7	6524	515.9

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.9: Summative Scale Score Summary by Subgroup - Grade 8

Subgroup	Status	Listening					Reading				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥11,950	262	530.1	758	82.6	≥11,870	288	538.4	760	74.5
Gender	Female	≥5,320	262	533.3	758	84.2	≥5,280	288	541.7	760	74.4
	Male	≥6,580	262	527.6	733	81.2	≥6,540	324	535.9	742	74.4
	Missing	≥40	361	508.1	671	90.2	≥40	367	522.4	683	75.1
Ethnicity	American Indian or Alaskan Native	≥30	349	515.2	625	71.4	≥30	391	519.9	622	69.0
	Asian	≥990	262	552.4	745	81.0	≥980	346	562.2	760	75.7
	Black or African American	≥1,260	305	538.3	758	75.7	≥1,240	361	541.6	743	72.1
	Hispanic or Latino	≥7,310	267	527.6	737	83.5	≥7,280	288	536.7	750	74.4
	Native Hawaiian or Other Pacific Islander	≥30	385	534.3	641	60.7	≥30	399	525.4	639	52.9
	Pacific Islander	≥360	316	533.9	681	65.1	≥360	357	536.9	692	60.9
	Two or More Races	≥960	262	516.7	719	83.2	≥940	365	526.4	727	73.5
	White	≥810	294	525.8	754	88.1	≥810	364	534.6	752	78.6
	Other/Unknown	≥150	352	536.2	723	84.6	≥150	388	545.8	726	76.8

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.9: Summative Scale Score Summary by Subgroup - Grade 8 (cont.)

Subgroup	Status	Speaking					Writing				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥11,880	288	543.5	759	87.3	≥11,870	283	525.2	766	86.8
Gender	Female	≥5,280	288	548.0	759	88.3	≥5,280	283	531.7	766	88.0
	Male	≥6,550	289	540.2	727	86.1	≥6,530	286	520.1	750	85.4
	Missing	≥40	311	514.3	674	106.0	≥40	332	498.7	660	96.7
Ethnicity	American Indian or Alaskan Native	≥30	324	530.0	633	89.6	≥30	369	515.7	621	71.9
	Asian	≥990	306	565.2	756	81.1	≥990	318	546.8	750	82.2
	Black or African American	≥1,250	303	556.3	759	76.6	≥1,240	310	532.3	766	81.2
	Hispanic or Latino	≥7,280	288	539.7	731	88.5	≥7,280	283	522.6	750	87.5
	Native Hawaiian or Other Pacific Islander	≥30	328	546.1	685	64.0	≥30	394	534.0	674	63.6
	Pacific Islander	≥360	299	546.5	719	68.0	≥360	310	537.2	714	69.7
	Two or More Races	≥940	305	532.2	703	92.8	≥940	312	512.2	717	89.1
	White	≥810	305	543.4	718	94.3	≥810	312	519.8	763	94.1
	Other/Unknown	≥150	311	548.1	714	87.4	≥150	323	531.2	737	87.3

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.9: Summative Scale Score Summary by Subgroup - Grade 8 (cont.)

Subgroup	Status	Comprehension					Overall				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥11,970	3515	5397.5	6967	582.9	≥11,980	3352	5377.3	7150	644.2
Gender	Female	≥5,330	3515	5410.7	6967	582.1	≥5,330	3352	5411.7	7150	652.5
	Male	≥6,590	3515	5387.7	6967	583.3	≥6,600	3456	5350.8	6868	635.4
	Missing	≥40	4323	5264.9	6455	592.0	≥40	3851	5191.8	6367	723.4
Ethnicity	American Indian or Alaskan Native	≥30	4318	5266.8	6234	521.9	≥30	4129	5267.3	6030	580.2
	Asian	≥1,000	3515	5573.7	6967	598.0	≥1,000	3521	5555.5	7108	624.0
	Black or African American	≥1,260	3871	5431.9	6967	543.2	≥1,270	3688	5439.3	7150	591.1
	Hispanic or Latino	≥7,320	3811	5384.7	6967	586.3	≥7,320	3352	5356.8	6915	649.2
	Native Hawaiian or Other Pacific Islander	≥30	4344	5341.0	6253	416.7	≥30	4244	5390.4	6355	462.0
	Pacific Islander	≥360	4012	5385.3	6600	454.8	≥360	3614	5415.6	6543	502.8
	Two or More Races	≥960	3515	5296.6	6842	574.4	≥960	3521	5271.4	6759	662.1
	White	≥820	3789	5365.8	6967	614.8	≥820	3716	5349.0	7042	695.4
	Other/Unknown	≥150	4229	5449.2	6767	594.1	≥150	3865	5429.1	6708	655.1

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.10: Summative Scale Score Summary by Subgroup - Grade 9

Subgroup	Status	Listening					Reading				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥14,830	249	508.5	766	78.7	≥14,790	257	510.9	769	71.4
Gender	Female	≥6,390	249	513.8	762	77.5	≥6,370	257	515.4	763	69.8
	Male	≥8,350	261	504.9	766	79.0	≥8,330	265	507.8	769	72.3
	Missing	≥80	249	464.3	653	91.8	≥70	257	478.0	661	78.5
Ethnicity	American Indian or Alaskan Native	≥40	389	525.9	682	75.8	≥40	394	518.7	683	73.1
	Asian	≥1,050	302	540.7	766	76.4	≥1,050	319	537.4	768	72.3
	Black or African American	≥1,490	288	524.0	697	72.9	≥1,480	286	520.5	712	67.5
	Hispanic or Latino	≥9,800	249	501.8	721	79.2	≥9,780	257	506.2	734	71.4
	Native Hawaiian or Other Pacific Islander	≥20	385	513.4	644	52.0	≥20	431	513.0	645	49.1
	Pacific Islander	≥360	378	526.4	669	59.6	≥360	399	521.9	688	56.8
	Two or More Races	≥900	294	492.1	717	76.3	≥900	332	498.4	735	69.8
	White	≥940	302	522.9	762	77.0	≥930	291	521.2	763	73.1
	Other/Unknown	≥190	352	520.0	752	79.0	≥190	378	520.6	769	71.6

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.10: Summative Scale Score Summary by Subgroup - Grade 9 (cont.)

Subgroup	Status	Speaking					Writing				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥14,740	300	522.9	720	82.0	≥14,750	261	498.0	771	85.9
Gender	Female	≥6,370	300	530.2	716	81.5	≥6,370	261	505.4	769	85.0
	Male	≥8,290	305	517.8	720	81.6	≥8,300	269	492.8	771	85.8
	Missing	≥70	300	467.4	664	103.3	≥70	261	440.8	626	100.7
Ethnicity	American Indian or Alaskan Native	≥40	352	538.6	691	77.9	≥40	351	518.1	666	84.6
	Asian	≥1,040	337	556.6	703	70.5	≥1,040	321	529.2	771	77.9
	Black or African American	≥1,480	316	547.8	701	70.9	≥1,470	297	517.6	691	75.6
	Hispanic or Latino	≥9,750	300	513.7	716	84.1	≥9,760	261	490.4	706	87.4
	Native Hawaiian or Other Pacific Islander	≥20	354	540.1	627	67.1	≥20	366	506.2	600	54.3
	Pacific Islander	≥360	350	539.3	687	61.5	≥360	342	526.7	658	62.3
	Two or More Races	≥900	347	512.7	720	80.5	≥890	300	478.5	703	87.6
	White	≥930	319	542.0	712	75.4	≥930	292	512.8	769	82.6
	Other/Unknown	≥190	342	533.6	702	79.6	≥190	338	515.3	766	82.3

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.10: Summative Scale Score Summary by Subgroup - Grade 9 (cont.)

Subgroup	Status	Comprehension					Overall				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥14,870	3470	5223.1	7171	545.1	≥14,880	3220	5178.0	7050	616.9
Gender	Female	≥6,410	3470	5252.0	7085	532.8	≥6,410	3220	5228.3	7026	609.1
	Male	≥8,370	3470	5203.4	7171	552.4	≥8,380	3282	5143.1	7050	618.0
	Missing	≥80	3470	4971.1	6490	594.7	≥80	3220	4803.8	6118	739.6
Ethnicity	American Indian or Alaskan Native	≥40	4458	5296.4	6649	548.3	≥40	4128	5295.5	6402	602.3
	Asian	≥1,050	3733	5436.4	7171	562.7	≥1,060	3784	5425.7	7050	580.3
	Black or African American	≥1,500	3663	5297.6	6940	513.7	≥1,500	3456	5317.3	6559	555.3
	Hispanic or Latino	≥9,820	3470	5185.1	7171	544.3	≥9,820	3220	5121.1	6793	624.9
	Native Hawaiian or Other Pacific Islander	≥20	4591	5240.5	6356	388.6	≥20	4184	5245.2	6141	409.8
	Pacific Islander	≥360	4365	5304.3	6557	427.9	≥360	4037	5329.0	6309	453.8
	Two or More Races	≥910	3869	5120.7	7171	525.4	≥910	3671	5059.1	6851	610.0
	White	≥940	3805	5308.8	7085	555.7	≥940	3469	5297.6	7026	597.9
	Other/Unknown	≥190	4256	5294.5	7065	556.6	≥190	3902	5280.3	7040	604.4

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.11: Summative Scale Score Summary by Subgroup - Grade 10

Subgroup	Status	Listening					Reading				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥12,870	249	526.3	729	78.2	≥12,830	257	526.4	741	73.9
Gender	Female	≥5,580	249	531.1	729	77.0	≥5,560	257	530.2	741	71.8
	Male	≥7,250	249	522.8	726	79.0	≥7,220	257	523.6	734	75.2
	Missing	≥40	349	502.1	683	84.3	≥40	383	511.0	704	82.7
Ethnicity	American Indian or Alaskan Native	≥20	407	530.1	699	81.6	≥20	429	525.9	706	81.5
	Asian	≥1,030	302	556.3	726	74.6	≥1,020	362	550.7	734	74.2
	Black or African American	≥1,350	249	539.6	729	72.9	≥1,340	257	534.6	741	68.6
	Hispanic or Latino	≥8,200	249	520.3	712	78.8	≥8,180	257	522.3	722	74.4
	Native Hawaiian or Other Pacific Islander	≥20	394	517.4	648	63.3	≥20	435	518.2	634	54.5
	Pacific Islander	≥360	365	538.2	685	59.2	≥360	387	531.0	696	59.0
	Two or More Races	≥800	338	508.8	701	76.4	≥790	367	511.1	713	69.3
	White	≥860	358	535.8	722	80.8	≥860	381	534.0	733	77.6
	Other/Unknown	≥200	357	537.1	693	76.2	≥200	373	537.3	712	74.1

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.11: Summative Scale Score Summary by Subgroup - Grade 10 (cont.)

Subgroup	Status	Speaking					Writing				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥12,800	300	540.4	721	77.1	≥12,810	261	517.0	721	81.0
Gender	Female	≥5,540	300	547.2	719	76.6	≥5,550	261	523.7	716	79.7
	Male	≥7,210	300	535.3	721	77.0	≥7,210	261	512.1	721	81.5
	Missing	≥40	341	519.2	665	94.9	≥40	334	482.6	644	96.2
Ethnicity	American Indian or Alaskan Native	≥20	365	538.7	669	84.6	≥20	397	519.3	686	78.0
	Asian	≥1,020	344	570.2	721	68.7	≥1,020	339	544.4	721	73.8
	Black or African American	≥1,340	300	559.6	719	69.5	≥1,340	261	532.2	706	71.2
	Hispanic or Latino	≥8,160	300	532.6	713	78.5	≥8,170	261	510.8	712	82.8
	Native Hawaiian or Other Pacific Islander	≥20	364	535.8	665	70.2	≥20	358	512.1	639	74.4
	Pacific Islander	≥360	345	542.9	702	65.6	≥360	348	535.8	674	56.5
	Two or More Races	≥790	338	532.2	698	75.3	≥790	330	498.6	706	81.2
	White	≥860	347	554.7	708	74.9	≥860	339	526.9	716	83.0
	Other/Unknown	≥200	342	543.9	709	77.6	≥200	344	525.0	693	78.1

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.11: Summative Scale Score Summary by Subgroup - Grade 10 (cont.)

Subgroup	Status	Comprehension					Overall				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥12,910	3470	5343.5	7171	568.4	≥12,930	3220	5319.7	6859	598.5
Gender	Female	≥5,600	3470	5366.6	7085	550.8	≥5,600	3220	5364.2	6825	588.9
	Male	≥7,270	3470	5326.5	7171	580.9	≥7,280	3220	5286.6	6859	602.9
	Missing	≥40	4260	5220.7	6793	606.2	≥40	3890	5138.5	6500	692.0
Ethnicity	American Indian or Alaskan Native	≥28	4558	5361.8	6663	627.1	≥20	4487	5331.5	6619	627.6
	Asian	≥1,030	3733	5543.1	6944	570.6	≥1,030	3835	5544.1	6859	564.0
	Black or African American	≥1,350	3470	5408.9	7019	533.5	≥1,350	3220	5432.1	6825	543.6
	Hispanic or Latino	≥8,220	3470	5309.8	7171	571.3	≥8,230	3220	5270.9	6736	606.6
	Native Hawaiian or Other Pacific Islander	≥20	4580	5262.9	6126	408.2	≥20	4308	5267.8	6289	514.8
	Pacific Islander	≥360	4308	5386.2	6671	448.1	≥360	3970	5395.8	6542	447.7
	Two or More Races	≥800	4168	5218.6	6985	537.0	≥800	3822	5198.3	6621	583.6
	White	≥860	3902	5401.7	7085	594.7	≥870	3996	5404.5	6710	612.2
	Other/Unknown	≥200	4236	5432.8	6779	565.7	≥200	3910	5389.5	6676	589.0

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.12: Summative Scale Score Summary by Subgroup - Grade 11

Subgroup	Status	Listening					Reading				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥10,040	275	548.9	787	74.8	≥10,020	282	546.1	787	73.9
Gender	Female	≥4,480	346	554.3	760	73.0	≥4,470	332	550.2	770	71.6
	Male	≥5,520	275	544.6	787	75.9	≥5,510	282	542.8	787	75.5
	Missing	≥40	378	541.3	697	82.3	≥40	414	543.4	711	79.9
Ethnicity	American Indian or Alaskan Native	≥20	384	554.6	674	89.7	≥20	365	552.8	699	92.3
	Asian	≥920	302	574.3	712	68.0	≥910	390	566.5	726	70.8
	Black or African American	≥1,200	302	549.2	732	70.4	≥1,200	332	541.8	736	69.2
	Hispanic or Latino	≥6,140	275	543.1	787	75.9	≥6,140	282	542.3	787	74.5
	Native Hawaiian or Other Pacific Islander	≥20	446	551.2	642	56.0	≥20	440	547.3	644	47.8
	Pacific Islander	≥290	405	553.0	701	58.9	≥290	405	542.3	709	60.4
	Two or More Races	≥480	360	537.8	727	75.6	≥470	371	535.1	739	73.1
	White	≥790	373	564.6	756	74.4	≥780	381	561.0	770	76.5
	Other/Unknown	≥160	396	572.6	757	79.4	≥160	398	571.4	772	82.1

* Scale scores cannot be compared across grade bands.
 * Domain tests with Exemption or Not Attempted are excluded.

Table S4.12: Summative Scale Score Summary by Subgroup - Grade 11 (cont.)

Subgroup	Status	Speaking					Writing				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥9,980	340	560.7	751	71.1	≥9,980	327	539.3	787	74.6
Gender	Female	≥4,460	342	568.2	731	70.0	≥4,450	336	545.8	767	73.4
	Male	≥5,480	340	554.7	751	71.4	≥5,490	327	534.1	787	75.1
	Missing	≥40	387	558.1	692	73.1	≥40	350	528.5	662	86.0
Ethnicity	American Indian or Alaskan Native	≥20	421	569.8	698	71.0	≥20	359	538.8	681	97.6
	Asian	≥910	355	585.1	713	59.5	≥910	356	560.2	715	66.6
	Black or African American	≥1,190	347	569.2	723	62.3	≥1,190	339	540.1	708	68.0
	Hispanic or Latino	≥6,110	340	553.2	751	73.8	≥6,110	327	533.9	787	76.7
	Native Hawaiian or Other Pacific Islander	≥20	497	568.3	654	44.9	≥20	423	542.7	658	51.5
	Pacific Islander	≥290	355	551.3	691	61.0	≥290	351	548.8	684	57.5
	Two or More Races	≥470	355	559.0	708	66.6	≥470	347	528.6	736	77.6
	White	≥780	350	578.6	724	69.8	≥780	337	554.6	755	72.3
	Other/Unknown	≥160	354	578.4	705	71.2	≥160	351	559.7	742	76.4

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.12: Summative Scale Score Summary by Subgroup - Grade 11 (cont.)

Subgroup	Status	Comprehension					Overall				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥10,080	3470	5498.9	7171	567.8	≥10,090	3479	5491.6	7313	563.9
Gender	Female	≥4,500	3930	5525.7	7171	548.0	≥4,500	3850	5539.3	7032	551.6
	Male	≥5,530	3470	5477.3	7171	582.3	≥5,540	3479	5453.1	7313	570.5
	Missing	≥40	4457	5469.4	6926	612.5	≥40	4161	5444.8	6497	619.8
Ethnicity	American Indian or Alaskan Native	≥20	4235	5558.2	6637	687.1	≥20	4246	5537.3	6467	681.6
	Asian	≥920	3733	5668.5	6894	536.8	≥920	3835	5677.7	6759	510.7
	Black or African American	≥1,210	3733	5470.4	7074	535.8	≥1,210	3835	5499.3	6906	520.8
	Hispanic or Latino	≥6,160	3470	5466.5	7171	571.9	≥6,160	3479	5446.2	7313	575.1
	Native Hawaiian or Other Pacific Islander	≥20	4731	5505.7	6439	401.1	≥20	4717	5545.1	6252	392.6
	Pacific Islander	≥290	4563	5485.1	6843	454.7	≥290	4155	5495.2	6560	444.6
	Two or More Races	≥480	4175	5410.0	7013	559.0	≥480	4123	5418.1	6740	566.2
	White	≥790	4400	5612.3	7171	588.0	≥790	4012	5620.1	6921	559.8
	Other/Unknown	≥160	4508	5701.1	7171	639.5	≥160	4151	5669.4	7009	594.6

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.13: Summative Scale Score Summary by Subgroup - Grade 12

Subgroup	Status	Listening					Reading				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥8,140	262	550.9	740	70.8	≥8,120	265	547.7	752	71.5
Gender	Female	≥3,730	262	554.8	740	69.4	≥3,720	265	551.0	752	69.3
	Male	≥4,370	302	547.7	733	71.9	≥4,360	301	545.0	750	73.2
	Missing	≥30	399	544.8	651	71.7	≥30	404	537.8	662	74.6
Ethnicity	American Indian or Alaskan Native	≥10	412	582.1	661	79.5	≥10	467	587.1	666	74.0
	Asian	≥820	400	572.9	724	63.3	≥820	385	563.8	742	68.4
	Black or African American	≥1,120	302	546.1	707	70.1	≥1,120	305	538.3	721	67.5
	Hispanic or Latino	≥4,810	318	547.4	730	71.3	≥4,800	301	546.2	750	72.0
	Native Hawaiian or Other Pacific Islander	≥10	418	543.9	621	51.8	≥10	452	542.9	626	52.9
	Pacific Islander	≥230	363	543.4	683	59.5	≥230	390	537.1	693	58.0
	Two or More Races	≥360	330	539.2	720	73.1	≥350	387	537.5	732	71.8
	White	≥600	262	563.4	735	72.5	≥600	265	560.5	747	75.8
	Other/Unknown	≥140	363	565.5	740	74.5	≥140	400	565.1	752	78.9

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.13: Summative Scale Score Summary by Subgroup - Grade 12 (cont.)

Subgroup	Status	Speaking					Writing				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥8,080	305	563.7	725	69.0	≥8,100	269	541.3	729	69.5
Gender	Female	≥3,700	305	569.9	725	68.3	≥3,720	269	546.7	726	68.2
	Male	≥4,340	325	558.4	715	69.2	≥4,350	300	536.6	729	70.3
	Missing	≥30	374	555.5	691	71.7	≥30	394	539.8	659	70.9
Ethnicity	American Indian or Alaskan Native	≥10	391	574.6	636	63.2	≥10	388	565.4	648	70.0
	Asian	≥810	356	585.6	722	57.7	≥820	357	556.9	709	60.8
	Black or African American	≥1,100	327	569.7	704	61.2	≥1,100	304	537.5	721	68.0
	Hispanic or Latino	≥4,790	325	557.1	715	71.5	≥4,810	300	538.1	726	70.7
	Native Hawaiian or Other Pacific Islander	≥10	433	572.3	649	59.5	≥10	376	532.3	614	60.3
	Pacific Islander	≥220	359	541.6	667	70.4	≥220	351	540.9	667	57.8
	Two or More Races	≥350	358	563.4	708	66.1	≥350	346	531.9	701	71.4
	White	≥600	305	580.4	725	67.9	≥600	269	555.1	729	70.3
	Other/Unknown	≥140	365	576.1	715	68.3	≥140	336	551.6	723	75.7

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.13: Summative Scale Score Summary by Subgroup - Grade 12 (cont.)

Subgroup	Status	Comprehension					Overall				
		N	Min	Mean	Max	SD	N	Min	Mean	Max	SD
Total		≥8,170	3555	5511.8	7171	549.4	≥8,180	3282	5508.4	6935	532.5
Gender	Female	≥3,740	3555	5529.8	7171	530.3	≥3,740	3282	5547.2	6935	522.7
	Male	≥4,390	3733	5497.2	7171	564.9	≥4,390	3531	5475.7	6861	538.5
	Missing	≥30	4437	5430.4	6381	544.7	≥30	4388	5462.6	6333	541.3
Ethnicity	American Indian or Alaskan Native	≥10	4758	5826.4	6683	628.7	≥10	4393	5722.8	6238	547.7
	Asian	≥820	4429	5659.3	7074	521.3	≥820	4174	5665.9	6897	472.5
	Black or African American	≥1,130	3733	5441.3	6994	523.9	≥1,130	3563	5480.6	6672	517.8
	Hispanic or Latino	≥4,820	3899	5497.7	7171	553.0	≥4,830	3531	5478.7	6842	539.2
	Native Hawaiian or Other Pacific Islander	≥10	4754	5455.0	6083	370.1	≥10	4459	5489.1	6070	429.1
	Pacific Islander	≥230	4306	5433.9	6781	445.0	≥230	4028	5429.0	6366	450.2
	Two or More Races	≥360	3953	5421.0	6985	553.2	≥360	4021	5441.4	6665	544.0
	White	≥610	3555	5601.7	7171	576.0	≥610	3282	5620.3	6935	541.2
	Other/Unknown	≥140	4344	5639.9	7064	593.3	≥140	4068	5619.2	6857	567.3

* Scale scores cannot be compared across grade bands.

* Domain tests with Exemption or Not Attempted are excluded.

Table S4.14: Summative Summary of Domain Exemption and Not Attempted

Grade	Total	Listening		Reading		Speaking		Writing	
		Exempted	Not Attempted	Exempted	Not Attempted	Exempted	Not Attempted	Exempted	Not Attempted
K	≥27,960	10 (0.0%)	36 (0.1%)	79 (0.3%)	74 (0.3%)	125 (0.4%)	102 (0.4%)	85 (0.3%)	105 (0.4%)
1	≥27,830	10 (0.0%)	19 (0.1%)	82 (0.3%)	53 (0.2%)	127 (0.5%)	65 (0.2%)	89 (0.3%)	55 (0.2%)
2	≥23,230	6 (0.0%)	30 (0.1%)	83 (0.4%)	50 (0.2%)	89 (0.4%)	58 (0.2%)	80 (0.3%)	56 (0.2%)
3	≥19,600	12 (0.1%)	6 (0.0%)	93 (0.5%)	34 (0.2%)	78 (0.4%)	46 (0.2%)	85 (0.4%)	41 (0.2%)
4	≥16,660	6 (0.0%)	24 (0.1%)	87 (0.5%)	51 (0.3%)	57 (0.3%)	42 (0.3%)	71 (0.4%)	50 (0.3%)
5	≥13,980	8 (0.1%)	9 (0.1%)	80 (0.6%)	35 (0.3%)	50 (0.4%)	42 (0.3%)	76 (0.5%)	37 (0.3%)
6	≥12,780	8 (0.1%)	19 (0.1%)	81 (0.6%)	33 (0.3%)	44 (0.3%)	44 (0.3%)	71 (0.6%)	38 (0.3%)
7	≥11,740	6 (0.1%)	17 (0.1%)	60 (0.5%)	24 (0.2%)	33 (0.3%)	40 (0.3%)	45 (0.4%)	35 (0.3%)
8	≥11,980	4 (0.0%)	21 (0.2%)	65 (0.5%)	42 (0.4%)	33 (0.3%)	63 (0.5%)	51 (0.4%)	59 (0.5%)
9	≥14,880	10 (0.1%)	35 (0.2%)	33 (0.2%)	58 (0.4%)	28 (0.2%)	106 (0.7%)	29 (0.2%)	99 (0.7%)
10	≥12,930	9 (0.1%)	44 (0.3%)	30 (0.2%)	63 (0.5%)	22 (0.2%)	105 (0.8%)	28 (0.2%)	87 (0.7%)
11	≥10,090	8 (0.1%)	40 (0.4%)	20 (0.2%)	45 (0.4%)	18 (0.2%)	92 (0.9%)	19 (0.2%)	84 (0.8%)
12	≥8,180	12 (0.1%)	27 (0.3%)	20 (0.2%)	38 (0.5%)	25 (0.3%)	71 (0.9%)	20 (0.2%)	57 (0.7%)

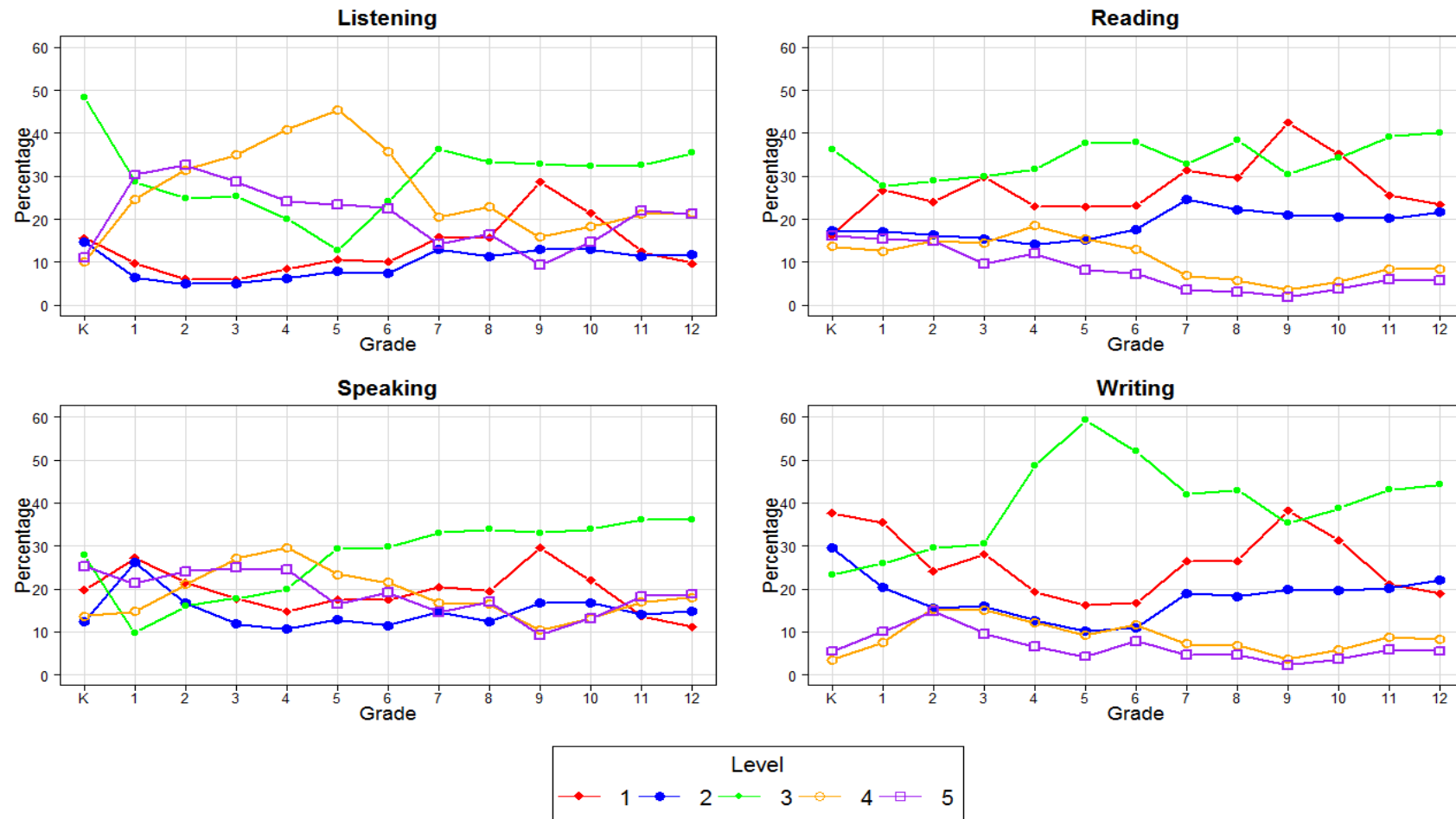
* Scale scores cannot be compared across grade bands.
 * Domain tests with Exemption or Not Attempted are excluded.

Section 5: Summative Assessment - Percentage of Students by Domain Performance Level

* Domain tests with Exemption or Not Attempted are excluded from counts, which only include tests assigned to domain performance levels 1-5.

* The percentages are suppressed when the N count is fewer than 10.

Figure S5.1: Summative Percentage of Students in Performance Levels



* Domain tests with Exemption or Not Attempted are excluded.

Table S5.1: Summative Performance Level by Domain - Kindergarten

Subgroup	Status	Listening						Reading					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥27,910	15.7	14.7	48.4	10.1	11.1	≥27,810	16.3	17.5	36.4	13.7	16.2
Gender	Female	≥13,390	13.4	13.4	49.0	11.4	12.9	≥13,370	13.9	16.4	36.4	14.7	18.6
	Male	≥14,270	17.8	16.0	47.9	8.9	9.5	≥14,180	18.6	18.3	36.4	12.8	13.9
	Missing	≥250	15.5	19.4	48.4	8.5	8.1	≥250	16.0	26.2	35.5	9.0	13.3
Ethnicity	American Indian or Alaskan Native	≥90	12.8	10.6	56.4	10.6	9.6	≥90	9.7	17.2	40.9	14.0	18.3
	Asian	≥4,180	9.1	11.4	47.2	12.8	19.5	≥4,160	8.8	14.5	35.8	15.5	25.4
	Black or African American	≥2,990	11.7	14.4	53.6	10.6	9.8	≥2,960	12.1	17.4	41.5	13.4	15.6
	Hispanic or Latino	≥15,840	18.3	16.0	48.0	9.2	8.5	≥15,810	19.2	18.6	35.9	13.2	13.1
	Native Hawaiian or Other Pacific Islander	≥50	7.3	21.8	56.4	7.3	7.3	≥50	7.3	21.8	45.5	14.5	10.9
	Pacific Islander	≥550	12.5	18.8	58.0	6.9	3.8	≥540	13.1	22.6	44.6	11.7	8.0
	Two or More Races	≥1,320	20.5	15.3	45.2	9.6	9.3	≥1,310	21.9	18.3	33.7	12.1	13.9
	White	≥2,560	14.1	12.0	46.3	11.1	16.5	≥2,550	14.5	14.4	33.4	15.4	22.2
	Other/Unknown	≥310	10.3	9.9	46.5	12.8	20.5	≥310	9.6	12.5	34.9	16.7	26.3

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.1: Summative Performance Level by Domain - Kindergarten (cont.)

Subgroup	Status	Speaking						Writing					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥27,730	20.0	12.6	28.1	13.8	25.5	≥27,770	37.9	29.8	23.5	≤5	5.5
Gender	Female	≥13,340	17.0	11.2	27.2	14.6	30.1	≥13,350	35.6	31.1	24.0	≤5	6.0
	Male	≥14,130	22.8	13.8	29.1	13.0	21.3	≥14,160	39.9	28.7	23.0	≤5	5.1
	Missing	≥250	20.2	14.3	25.6	17.8	22.1	≥250	45.7	26.0	19.8	≤5	≤5
Ethnicity	American Indian or Alaskan Native	≥90	12.9	11.8	31.2	16.1	28.0	≥90	30.1	32.3	29.0	≤5	5.4
	Asian	≥4,140	12.9	9.9	26.9	14.7	35.6	≥4,160	23.7	24.2	32.8	6.8	12.4
	Black or African American	≥2,950	12.0	11.1	28.7	16.4	31.7	≥2,940	35.0	27.9	27.3	≤5	5.3
	Hispanic or Latino	≥15,770	23.6	14.0	28.6	13.0	20.8	≥15,790	42.7	32.2	19.7	≤5	≤5
	Native Hawaiian or Other Pacific Islander	≥50	14.8	13.0	31.5	18.5	22.2	≥50	32.7	38.2	21.8	≤5	5.5
	Pacific Islander	≥540	19.3	17.2	36.1	11.7	15.7	≥540	42.5	31.5	20.7	≤5	≤5
	Two or More Races	≥1,310	26.8	10.7	27.5	12.9	22.1	≥1,310	46.9	27.8	19.4	≤5	≤5
	White	≥2,550	16.2	10.0	25.6	14.4	33.9	≥2,540	30.3	27.0	28.4	5.1	9.2
	Other/Unknown	≥310	12.2	8.7	25.7	16.1	37.3	≥310	25.0	26.9	31.7	5.8	10.6

* Domain tests with Exemption or Not Attempted are excluded

Table S5.2: Summative Performance Level by Domain - Grade 1

Subgroup	Status	Listening						Reading					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥27,800	9.8	6.4	28.7	24.7	30.3	≥27,690	26.8	17.3	27.8	12.6	15.4
Gender	Female	≥13,480	8.3	5.9	27.3	25.5	33.0	≥13,450	24.4	17.4	27.9	13.2	17.0
	Male	≥14,110	11.3	7.0	29.8	24.1	27.8	≥14,030	29.0	17.1	27.7	12.2	14.0
	Missing	≥200	12.0	≤5	42.3	21.2	20.7	≥200	36.1	20.5	27.3	8.3	7.8
Ethnicity	American Indian or Alaskan Native	≥80	5.8	5.8	29.1	24.4	34.9	≥80	20.9	22.1	27.9	14.0	15.1
	Asian	≥3,980	7.2	≤5	21.4	24.0	42.7	≥3,950	14.3	12.0	27.2	17.0	29.5
	Black or African American	≥2,850	7.7	≤5	28.1	26.5	33.0	≥2,820	19.6	16.9	31.8	14.3	17.4
	Hispanic or Latino	≥16,050	10.8	7.2	30.8	24.9	26.3	≥16,020	31.3	18.9	27.1	11.3	11.3
	Native Hawaiian or Other Pacific Islander	≥50	5.4	8.9	41.1	28.6	16.1	≥50	21.4	17.9	32.1	14.3	14.3
	Pacific Islander	≥560	8.4	7.5	34.3	25.4	24.5	≥550	26.9	17.6	28.3	14.2	13.1
	Two or More Races	≥1,460	12.7	8.7	33.5	21.5	23.6	≥1,450	38.4	18.8	22.5	9.4	10.9
	White	≥2,440	9.6	≤5	22.8	24.1	38.5	≥2,440	19.9	14.5	31.3	14.0	20.3
	Other/Unknown	≥290	8.5	5.1	28.2	26.2	32.0	≥290	21.1	15.6	35.7	10.5	17.0

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.2: Summative Performance Level by Domain - Grade 1 (cont.)

Subgroup	Status	Speaking						Writing					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥27,640	27.4	26.3	9.9	14.9	21.4	≥27,680	35.7	20.5	26.0	7.5	10.2
Gender	Female	≥13,440	23.7	25.4	9.9	15.9	25.1	≥13,450	32.9	21.0	26.6	8.0	11.4
	Male	≥13,980	30.9	27.1	9.8	14.0	18.1	≥14,020	38.2	20.0	25.6	7.0	9.1
	Missing	≥200	31.9	31.4	13.0	13.0	10.6	≥200	47.3	22.9	18.0	7.3	≤5
Ethnicity	American Indian or Alaskan Native	≥80	25.9	22.4	14.1	16.5	21.2	≥80	37.2	18.6	29.1	5.8	9.3
	Asian	≥3,930	18.5	21.5	9.8	16.8	33.4	≥3,950	20.0	17.5	30.2	11.9	20.3
	Black or African American	≥2,810	20.1	23.4	11.0	16.8	28.7	≥2,810	28.5	22.3	30.3	8.1	10.8
	Hispanic or Latino	≥16,000	31.5	28.0	9.7	13.9	16.8	≥16,020	41.2	21.4	24.0	6.2	7.2
	Native Hawaiian or Other Pacific Islander	≥50	23.2	42.9	8.9	10.7	14.3	≥50	32.1	21.4	33.9	≤5	8.9
	Pacific Islander	≥550	26.8	33.6	9.7	14.7	15.2	≥550	34.9	19.0	30.2	7.2	8.8
	Two or More Races	≥1,450	33.2	26.6	8.7	13.0	18.6	≥1,450	48.3	17.8	20.5	≤5	8.4
	White	≥2,430	21.0	23.7	10.3	17.4	27.7	≥2,440	26.5	19.5	29.8	10.5	13.7
	Other/Unknown	≥290	20.8	30.4	11.3	15.7	21.8	≥290	33.0	25.5	24.5	5.1	11.9

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.3: Summative Performance Level by Domain - Grade 2

Subgroup	Status	Listening						Reading					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥23,200	6.1	≤5	25.0	31.5	32.5	≥23,100	24.3	16.4	29.1	15.1	15.1
Gender	Female	≥11,050	5.5	≤5	24.4	31.5	34.0	≥11,010	22.3	15.8	29.2	15.8	17.0
	Male	≥11,980	6.7	5.2	25.5	31.4	31.2	≥11,920	26.1	17.1	28.9	14.5	13.5
	Missing	≥160	≤5	5.9	23.1	36.1	30.2	≥160	26.5	15.1	33.1	16.3	9.0
Ethnicity	American Indian or Alaskan Native	≥70	≤5	≤5	25.0	36.1	36.1	≥70	26.4	15.3	26.4	16.7	15.3
	Asian	≥2,910	≤5	≤5	19.0	30.2	42.9	≥2,900	13.9	10.7	29.8	21.2	24.4
	Black or African American	≥2,490	5.4	≤5	23.4	32.4	34.6	≥2,460	19.4	14.9	32.4	16.0	17.4
	Hispanic or Latino	≥13,740	6.0	5.3	26.4	32.3	30.0	≥13,710	27.2	17.9	28.5	13.6	12.8
	Native Hawaiian or Other Pacific Islander	≥40	≤5	12.2	29.3	29.3	24.4	≥40	24.4	19.5	24.4	14.6	17.1
	Pacific Islander	≥460	≤5	5.6	40.2	32.3	18.7	≥460	21.9	19.8	32.9	16.6	8.8
	Two or More Races	≥1,150	10.0	6.5	28.0	28.2	27.4	≥1,140	34.2	18.5	22.4	13.1	11.8
	White	≥2,020	7.6	≤5	20.6	29.1	37.7	≥2,000	19.9	14.3	31.5	16.5	17.8
	Other/Unknown	≥290	8.2	5.8	22.0	27.8	36.1	≥290	23.4	18.3	25.9	14.8	17.6

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.3: Summative Performance Level by Domain - Grade 2 (cont.)

Subgroup	Status	Speaking						Writing					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥23,090	21.7	16.9	16.1	21.1	24.3	≥23,100	24.2	15.7	29.7	15.5	15.0
Gender	Female	≥11,010	19.4	16.0	15.3	22.3	27.0	≥11,000	21.3	15.5	30.2	16.3	16.7
	Male	≥11,910	23.8	17.6	16.7	20.1	21.8	≥11,930	26.9	15.8	29.1	14.7	13.5
	Missing	≥160	18.2	23.6	19.4	18.2	20.6	≥160	24.8	17.6	30.9	13.3	13.3
Ethnicity	American Indian or Alaskan Native	≥70	20.8	13.9	20.8	25.0	19.4	≥70	23.6	19.4	25.0	16.7	15.3
	Asian	≥2,900	16.1	12.8	15.1	22.9	33.2	≥2,900	13.5	11.3	30.1	20.3	24.8
	Black or African American	≥2,450	17.5	16.6	15.9	23.7	26.3	≥2,450	20.3	14.8	31.4	16.3	17.2
	Hispanic or Latino	≥13,710	23.1	18.0	16.4	20.6	21.9	≥13,710	27.0	16.8	29.4	14.3	12.4
	Native Hawaiian or Other Pacific Islander	≥40	22.0	12.2	19.5	19.5	26.8	≥40	29.3	14.6	22.0	12.2	22.0
	Pacific Islander	≥460	25.4	22.0	17.9	19.6	15.1	≥460	20.0	19.2	31.5	18.5	10.8
	Two or More Races	≥1,140	27.2	18.4	15.9	18.5	20.0	≥1,140	33.7	17.4	26.3	12.7	9.9
	White	≥2,000	20.5	13.6	14.8	21.0	30.1	≥2,010	20.7	12.9	30.5	16.7	19.1
	Other/Unknown	≥280	24.9	17.3	16.6	18.7	22.5	≥290	25.2	16.2	27.9	14.5	16.2

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.4: Summative Performance Level by Domain - Grade 3

Subgroup	Status	Listening						Reading					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥19,590	5.9	5.1	25.3	34.9	28.7	≥19,480	29.9	15.6	30.2	14.6	9.7
Gender	Female	≥9,260	6.1	≤5	24.7	33.8	30.4	≥9,210	28.8	14.0	29.4	15.9	12.0
	Male	≥10,200	5.8	5.1	25.9	35.9	27.3	≥10,140	31.0	17.1	30.8	13.4	7.7
	Missing	≥120	≤5	6.6	25.6	47.1	16.5	≥120	29.8	16.5	35.5	12.4	5.8
Ethnicity	American Indian or Alaskan Native	≥50	8.6	8.6	24.1	36.2	22.4	≥50	36.8	17.5	26.3	7.0	12.3
	Asian	≥2,370	5.2	≤5	20.0	32.5	37.7	≥2,360	20.0	12.5	32.6	19.1	15.8
	Black or African American	≥2,110	≤5	≤5	25.4	36.6	29.7	≥2,080	25.3	15.8	31.5	16.5	10.8
	Hispanic or Latino	≥11,240	5.8	≤5	25.6	36.0	27.7	≥11,210	31.7	16.2	29.7	14.0	8.4
	Native Hawaiian or Other Pacific Islander	≥20	≤5	≤5	37.9	37.9	17.2	≥20	20.7	27.6	41.4	6.9	≤5
	Pacific Islander	≥460	≤5	6.0	40.0	33.2	19.3	≥460	27.2	21.4	36.8	9.6	≤5
	Two or More Races	≥1,490	9.0	6.2	29.7	33.2	22.0	≥1,460	39.6	17.4	24.2	11.0	7.8
	White	≥1,600	8.8	6.7	22.2	31.0	31.4	≥1,580	30.1	12.4	30.4	15.4	11.7
	Other/Unknown	≥200	≤5	≤5	28.6	37.9	27.2	≥200	27.7	15.5	36.4	10.7	9.7

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.4: Summative Performance Level by Domain - Grade 3 (cont.)

Subgroup	Status	Speaking						Writing					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥19,480	17.8	11.9	17.9	27.3	25.0	≥19,480	28.3	16.1	30.7	15.2	9.7
Gender	Female	≥9,210	16.1	10.6	16.9	28.5	27.9	≥9,220	26.5	15.1	30.2	16.3	11.8
	Male	≥10,140	19.4	13.1	18.7	26.2	22.6	≥10,130	29.8	17.0	31.2	14.2	7.8
	Missing	≥120	20.7	14.9	24.0	26.4	14.0	≥120	26.4	20.7	33.1	14.9	≤5
Ethnicity	American Indian or Alaskan Native	≥50	24.1	13.8	8.6	34.5	19.0	≥50	39.7	13.8	29.3	6.9	10.3
	Asian	≥2,360	16.5	7.6	16.9	28.9	30.1	≥2,350	19.5	12.4	33.0	20.2	14.9
	Black or African American	≥2,080	13.8	12.2	19.3	28.1	26.7	≥2,080	23.1	17.1	32.3	17.2	10.3
	Hispanic or Latino	≥11,220	17.9	12.4	18.0	27.4	24.2	≥11,220	30.0	16.7	30.3	14.4	8.5
	Native Hawaiian or Other Pacific Islander	≥20	10.3	10.3	27.6	34.5	17.2	≥20	17.2	24.1	41.4	13.8	≤5
	Pacific Islander	≥460	15.8	16.1	23.8	28.1	16.3	≥460	22.5	21.0	39.4	10.1	7.1
	Two or More Races	≥1,470	22.4	15.6	19.3	24.4	18.2	≥1,460	37.6	18.1	25.6	11.4	7.3
	White	≥1,580	21.4	9.5	14.3	25.2	29.7	≥1,580	28.3	13.1	29.3	17.0	12.3
	Other/Unknown	≥200	14.6	14.6	16.1	26.3	28.3	≥200	27.7	14.6	36.9	10.7	10.2

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.5: Summative Performance Level by Domain - Grade 4

Subgroup	Status	Listening						Reading					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥16,630	8.6	6.3	20.2	40.8	24.1	≥16,520	23.2	14.2	31.9	18.7	12.1
Gender	Female	≥7,640	8.2	5.7	20.3	41.5	24.4	≥7,610	22.1	14.1	32.5	19.1	12.2
	Male	≥8,890	8.9	6.7	20.0	40.2	24.1	≥8,810	24.0	14.2	31.3	18.4	12.1
	Missing	≥90	7.3	11.5	22.9	47.9	10.4	≥90	27.8	16.5	35.1	16.5	≤5
Ethnicity	American Indian or Alaskan Native	≥30	8.3	≤5	25.0	41.7	22.2	≥30	13.9	19.4	41.7	16.7	8.3
	Asian	≥1,800	6.7	5.1	19.5	37.4	31.4	≥1,780	16.6	11.3	33.7	21.7	16.8
	Black or African American	≥1,730	7.6	5.6	21.2	42.6	23.0	≥1,700	20.9	14.4	34.0	18.4	12.3
	Hispanic or Latino	≥9,870	8.4	6.1	19.9	42.0	23.6	≥9,840	23.8	14.3	31.8	18.6	11.5
	Native Hawaiian or Other Pacific Islander	≥20	≤5	≤5	26.1	52.2	17.4	≥20	18.2	18.2	40.9	18.2	≤5
	Pacific Islander	≥430	≤5	6.5	25.9	49.5	14.1	≥430	19.0	20.9	37.4	14.8	7.9
	Two or More Races	≥1,240	12.1	7.7	22.9	37.0	20.2	≥1,220	28.8	15.4	29.7	15.8	10.3
	White	≥1,290	11.6	8.9	17.4	34.8	27.3	≥1,280	27.2	12.6	26.6	19.8	13.7
	Other/Unknown	≥180	8.0	7.4	18.1	43.6	22.9	≥180	21.3	16.0	31.9	20.2	10.6

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.5: Summative Performance Level by Domain - Grade 4 (cont.)

Subgroup	Status	Speaking						Writing					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥16,560	14.9	10.7	20.1	29.8	24.6	≥16,540	19.5	12.8	49.1	12.2	6.5
Gender	Female	≥7,620	13.4	9.2	19.1	31.3	26.9	≥7,610	17.7	12.3	49.7	12.9	7.3
	Male	≥8,840	16.1	11.9	20.8	28.5	22.7	≥8,830	20.9	13.2	48.5	11.6	5.9
	Missing	≥90	16.7	19.8	32.3	24.0	7.3	≥90	26.8	11.3	53.6	6.2	≤5
Ethnicity	American Indian or Alaskan Native	≥30	16.7	8.3	19.4	33.3	22.2	≥30	13.9	8.3	61.1	8.3	8.3
	Asian	≥1,780	12.5	9.9	18.8	30.1	28.6	≥1,790	13.9	11.1	50.1	14.7	10.2
	Black or African American	≥1,710	12.1	11.4	21.2	30.3	25.0	≥1,700	16.7	13.5	49.9	12.9	6.9
	Hispanic or Latino	≥9,860	14.9	10.4	20.3	30.0	24.4	≥9,850	20.2	12.8	49.4	11.7	5.9
	Native Hawaiian or Other Pacific Islander	≥20	8.7	17.4	21.7	39.1	13.0	≥20	13.6	13.6	63.6	9.1	≤5
	Pacific Islander	≥430	12.7	16.9	25.0	31.7	13.7	≥430	12.1	20.0	55.5	9.0	≤5
	Two or More Races	≥1,220	17.7	11.2	19.4	29.6	22.0	≥1,220	24.4	14.0	46.3	10.1	5.2
	White	≥1,290	19.5	10.7	17.6	26.4	25.8	≥1,280	22.7	10.6	43.7	15.1	7.8
	Other/Unknown	≥180	17.6	9.6	20.7	28.2	23.9	≥180	20.7	11.2	53.2	10.6	≤5

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.6: Summative Performance Level by Domain - Grade 5

Subgroup	Status	Listening						Reading					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥13,960	10.6	7.9	12.7	45.5	23.4	≥13,860	23.0	15.3	38.0	15.5	8.2
Gender	Female	≥6,260	10.3	7.6	12.5	45.6	24.0	≥6,220	21.7	15.3	38.8	15.8	8.4
	Male	≥7,630	10.7	8.1	12.8	45.4	23.0	≥7,570	24.1	15.3	37.3	15.4	8.1
	Missing	≥60	17.4	8.7	13.0	40.6	20.3	≥60	22.1	17.6	38.2	13.2	8.8
Ethnicity	American Indian or Alaskan Native	≥40	17.0	6.4	17.0	40.4	19.1	≥40	31.9	10.6	44.7	10.6	≤5
	Asian	≥1,420	9.2	5.5	11.8	44.2	29.2	≥1,400	17.8	12.2	39.1	17.6	13.3
	Black or African American	≥1,500	7.1	7.4	14.3	48.2	23.0	≥1,470	18.1	16.8	40.9	15.4	8.7
	Hispanic or Latino	≥8,260	10.5	7.9	12.2	45.8	23.7	≥8,240	23.9	15.0	37.7	15.6	7.9
	Native Hawaiian or Other Pacific Islander	≥20	12.0	≤5	8.0	64.0	12.0	≥20	20.0	32.0	36.0	8.0	≤5
	Pacific Islander	≥410	≤5	7.8	15.3	53.9	18.7	≥410	15.5	19.2	44.7	16.0	≤5
	Two or More Races	≥1,030	14.9	9.3	15.0	42.2	18.7	≥1,010	28.1	16.3	36.0	13.3	6.3
	White	≥1,110	15.8	10.4	11.7	41.0	21.1	≥1,090	27.9	16.3	33.8	14.9	7.1
	Other/Unknown	≥140	11.1	6.9	15.3	43.1	23.6	≥140	20.1	20.1	34.7	16.0	9.0

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.6: Summative Performance Level by Domain - Grade 5 (cont.)

Subgroup	Status	Speaking						Writing					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥13,880	17.6	12.8	29.4	23.5	16.5	≥13,860	16.3	10.3	59.8	9.2	≤5
Gender	Female	≥6,240	16.9	11.2	28.7	25.0	18.2	≥6,230	15.1	9.5	60.7	10.0	≤5
	Male	≥7,580	18.2	14.2	30.1	22.3	15.3	≥7,560	17.3	11.0	59.1	8.5	≤5
	Missing	≥60	20.9	14.9	28.4	26.9	9.0	≥60	22.1	7.4	51.5	11.8	7.4
Ethnicity	American Indian or Alaskan Native	≥40	25.5	10.6	29.8	23.4	10.6	≥40	25.5	14.9	46.8	10.6	≤5
	Asian	≥1,410	15.7	11.6	29.2	24.8	18.7	≥1,410	11.7	8.8	61.2	11.8	6.5
	Black or African American	≥1,470	11.9	15.3	29.9	23.9	19.1	≥1,470	12.0	11.0	62.3	9.5	5.2
	Hispanic or Latino	≥8,250	17.9	12.5	29.5	23.7	16.4	≥8,240	17.0	10.2	59.6	9.3	≤5
	Native Hawaiian or Other Pacific Islander	≥20	16.0	20.0	40.0	8.0	16.0	≥20	16.0	≤5	64.0	8.0	8.0
	Pacific Islander	≥410	12.1	16.7	33.5	25.7	11.9	≥410	8.3	11.2	70.3	7.1	≤5
	Two or More Races	≥1,010	21.5	13.3	29.9	21.5	13.9	≥1,000	21.8	11.1	56.4	7.8	≤5
	White	≥1,100	23.6	11.6	26.6	21.6	16.7	≥1,090	21.2	10.5	55.7	7.6	5.1
	Other/Unknown	≥140	20.3	14.0	31.5	21.0	13.3	≥140	14.6	10.4	59.7	6.9	8.3

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.7: Summative Performance Level by Domain - Grade 6

Subgroup	Status	Listening						Reading					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥12,750	10.1	7.4	24.0	35.9	22.6	≥12,660	23.4	17.9	38.4	13.1	7.3
Gender	Female	≥5,650	10.4	6.6	22.9	37.2	22.8	≥5,620	22.3	17.3	39.8	13.7	6.9
	Male	≥7,010	9.8	8.2	24.9	34.8	22.4	≥6,950	24.2	18.4	37.2	12.5	7.6
	Missing	≥80	15.5	7.1	25.0	35.7	16.7	≥80	27.4	16.7	35.7	14.3	6.0
Ethnicity	American Indian or Alaskan Native	≥30	16.1	6.5	29.0	22.6	25.8	≥30	29.0	19.4	22.6	19.4	9.7
	Asian	≥1,160	7.6	5.4	19.5	37.6	29.9	≥1,150	16.2	13.2	41.0	16.2	13.4
	Black or African American	≥1,410	5.6	6.9	26.2	38.4	22.9	≥1,390	19.7	18.3	40.2	14.7	7.0
	Hispanic or Latino	≥7,470	10.5	7.5	23.8	36.1	22.1	≥7,450	24.2	18.1	38.5	12.6	6.6
	Native Hawaiian or Other Pacific Islander	≥30	≤5	6.3	37.5	40.6	12.5	≥30	25.0	18.8	37.5	12.5	6.3
	Pacific Islander	≥410	≤5	6.2	28.8	41.5	18.7	≥410	17.4	20.0	44.0	12.8	5.8
	Two or More Races	≥1,110	15.0	10.1	26.1	31.1	17.7	≥1,080	29.7	19.7	33.2	10.9	6.4
	White	≥950	13.6	8.4	22.6	31.8	23.7	≥940	26.8	18.2	35.4	11.8	7.7
	Other/Unknown	≥150	9.8	5.9	24.2	34.0	26.1	≥150	21.1	18.4	36.8	17.8	5.9

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.7: Summative Performance Level by Domain - Grade 6 (cont.)

Subgroup	Status	Speaking						Writing					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥12,690	17.6	11.6	29.9	21.6	19.4	≥12,670	16.9	11.1	52.4	11.7	7.9
Gender	Female	≥5,620	16.5	11.0	29.3	21.7	21.4	≥5,620	15.6	9.9	52.7	12.5	9.3
	Male	≥6,970	18.4	12.0	30.3	21.5	17.8	≥6,950	17.9	12.0	52.2	11.1	6.8
	Missing	≥80	22.6	11.9	31.0	26.2	8.3	≥80	22.6	10.7	52.4	7.1	7.1
Ethnicity	American Indian or Alaskan Native	≥30	25.8	≤5	32.3	12.9	25.8	≥30	22.6	9.7	45.2	16.1	6.5
	Asian	≥1,150	14.0	7.3	28.3	25.0	25.5	≥1,150	12.0	8.4	51.9	14.1	13.6
	Black or African American	≥1,400	12.0	13.6	30.4	23.5	20.5	≥1,390	12.3	10.8	56.5	12.3	8.1
	Hispanic or Latino	≥7,450	18.1	11.7	30.2	21.3	18.7	≥7,450	17.4	11.2	52.9	11.4	7.1
	Native Hawaiian or Other Pacific Islander	≥30	15.6	18.8	18.8	28.1	18.8	≥30	15.6	6.3	62.5	12.5	≤5
	Pacific Islander	≥410	12.7	12.0	35.3	21.3	18.7	≥410	11.3	11.1	57.7	12.3	7.7
	Two or More Races	≥1,090	23.7	14.6	28.0	19.1	14.5	≥1,080	23.2	14.1	45.9	10.6	6.2
	White	≥940	21.0	9.3	27.5	20.7	21.6	≥940	20.6	11.3	47.2	11.6	9.4
	Other/Unknown	≥150	19.0	10.5	34.0	17.6	19.0	≥150	15.0	9.8	57.5	9.8	7.8

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.8: Summative Performance Level by Domain - Grade 7

Subgroup	Status	Listening						Reading					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥11,720	15.8	13.0	36.4	20.6	14.2	≥11,660	31.7	24.6	33.2	7.0	≤5
Gender	Female	≥5,170	15.5	12.1	35.5	21.7	15.2	≥5,150	30.1	24.0	35.1	7.1	≤5
	Male	≥6,500	16.0	13.7	37.0	19.9	13.4	≥6,450	32.8	25.1	31.7	6.9	≤5
	Missing	≥40	18.6	11.6	46.5	7.0	16.3	≥40	41.9	27.9	20.9	7.0	≤5
Ethnicity	American Indian or Alaskan Native	≥40	23.4	23.4	23.4	25.5	≤5	≥40	46.8	17.0	27.7	6.4	≤5
	Asian	≥940	10.9	10.5	31.8	22.5	24.2	≥930	22.6	21.0	37.1	10.5	8.8
	Black or African American	≥1,190	10.0	14.8	36.0	24.6	14.7	≥1,170	27.2	25.8	35.7	7.7	≤5
	Hispanic or Latino	≥7,190	16.8	12.3	37.1	20.3	13.5	≥7,170	32.4	25.1	32.7	6.9	≤5
	Native Hawaiian or Other Pacific Islander	≥10	≤5	7.1	57.1	35.7	≤5	≥10	28.6	28.6	42.9	≤5	≤5
	Pacific Islander	≥340	5.5	16.4	43.5	21.3	13.3	≥340	23.6	28.2	39.5	6.3	≤5
	Two or More Races	≥930	20.7	17.1	36.0	16.7	9.4	≥920	40.4	24.4	28.6	≤5	≤5
	White	≥910	19.4	12.1	32.9	20.4	15.3	≥910	34.2	21.7	32.0	7.0	≤5
	Other/Unknown	≥120	11.7	16.4	43.8	15.6	12.5	≥120	29.9	29.9	33.9	≤5	≤5

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.8: Summative Performance Level by Domain - Grade 7 (cont.)

Subgroup	Status	Speaking						Writing					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥11,670	20.5	14.7	33.2	16.9	14.7	≥11,660	26.7	19.1	42.3	7.3	≤5
Gender	Female	≥5,150	19.3	13.2	33.0	18.0	16.5	≥5,150	25.0	16.9	44.9	7.9	5.2
	Male	≥6,470	21.4	15.9	33.5	16.0	13.2	≥6,460	28.0	20.9	40.2	6.7	≤5
	Missing	≥40	27.9	18.6	23.3	16.3	14.0	≥40	34.9	14.0	41.9	7.0	≤5
Ethnicity	American Indian or Alaskan Native	≥40	28.3	17.4	34.8	8.7	10.9	≥40	42.6	23.4	29.8	≤5	≤5
	Asian	≥930	14.1	11.9	31.9	20.0	22.1	≥930	20.3	15.2	43.9	10.8	9.8
	Black or African American	≥1,180	15.2	14.1	35.0	19.0	16.8	≥1,170	22.8	18.5	45.6	7.4	5.7
	Hispanic or Latino	≥7,180	21.9	14.6	33.1	16.5	13.9	≥7,170	27.2	19.4	42.5	7.0	≤5
	Native Hawaiian or Other Pacific Islander	≥10	14.3	21.4	28.6	28.6	7.1	≥10	7.1	28.6	57.1	7.1	≤5
	Pacific Islander	≥340	12.7	17.0	40.3	17.3	12.7	≥340	15.9	22.5	47.6	8.6	5.5
	Two or More Races	≥920	24.4	18.8	34.2	12.9	9.7	≥920	34.7	20.6	37.4	≤5	≤5
	White	≥910	22.8	12.6	29.6	18.5	16.5	≥910	30.4	17.7	37.9	8.4	5.6
	Other/Unknown	≥120	13.3	24.2	34.4	16.4	11.7	≥120	26.8	19.7	44.1	6.3	≤5

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.9: Summative Performance Level by Domain - Grade 8

Subgroup	Status	Listening						Reading					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥11,950	15.8	11.4	33.4	22.8	16.6	≥11,870	29.9	22.5	38.6	5.9	≤5
Gender	Female	≥5,320	15.6	10.6	32.1	23.6	18.1	≥5,280	28.2	22.4	39.8	6.1	≤5
	Male	≥6,580	15.8	12.1	34.5	22.2	15.3	≥6,540	31.2	22.6	37.7	5.7	≤5
	Missing	≥40	27.7	12.8	27.7	19.1	12.8	≥40	36.2	21.3	34.0	6.4	≤5
Ethnicity	American Indian or Alaskan Native	≥30	13.9	16.7	41.7	19.4	8.3	≥30	33.3	27.8	38.9	≤5	≤5
	Asian	≥990	10.3	9.1	30.9	23.5	26.1	≥980	20.9	18.6	43.7	9.2	7.6
	Black or African American	≥1,260	9.7	11.6	37.4	24.4	16.9	≥1,240	27.7	23.2	40.1	5.4	≤5
	Hispanic or Latino	≥7,310	17.1	11.1	32.9	22.9	15.9	≥7,280	30.5	22.5	38.4	5.9	≤5
	Native Hawaiian or Other Pacific Islander	≥30	5.4	8.1	54.1	18.9	13.5	≥30	24.3	43.2	32.4	≤5	≤5
	Pacific Islander	≥360	7.4	14.8	41.9	25.8	10.1	≥360	27.1	27.4	41.6	≤5	≤5
	Two or More Races	≥960	20.6	13.1	33.2	20.9	12.2	≥940	35.6	23.8	35.0	≤5	≤5
	White	≥810	18.2	13.3	29.5	21.0	17.9	≥810	33.8	20.7	35.4	5.8	≤5
	Other/Unknown	≥150	14.0	10.2	37.6	15.3	22.9	≥150	26.8	26.1	34.4	7.6	5.1

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.9: Summative Performance Level by Domain - Grade 8 (cont.)

Subgroup	Status	Speaking						Writing					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥11,880	19.7	12.5	34.1	16.6	17.1	≥11,870	26.7	18.4	43.4	6.8	≤5
Gender	Female	≥5,280	19.1	11.4	32.6	17.3	19.6	≥5,280	25.2	16.5	44.2	8.1	6.1
	Male	≥6,550	20.1	13.3	35.4	16.0	15.2	≥6,530	27.9	20.0	42.8	5.8	≤5
	Missing	≥40	30.4	10.9	30.4	15.2	13.0	≥40	36.2	19.1	34.0	≤5	6.4
Ethnicity	American Indian or Alaskan Native	≥30	22.2	11.1	36.1	19.4	11.1	≥30	30.6	16.7	50.0	≤5	≤5
	Asian	≥990	13.9	9.5	31.5	20.0	25.1	≥990	18.8	16.9	46.8	9.0	8.6
	Black or African American	≥1,250	13.3	13.5	37.1	17.3	18.8	≥1,240	23.2	21.8	42.8	7.2	5.1
	Hispanic or Latino	≥7,280	21.1	12.5	34.4	16.1	15.9	≥7,280	27.6	18.0	43.5	6.8	≤5
	Native Hawaiian or Other Pacific Islander	≥30	10.8	18.9	51.4	13.5	5.4	≥30	18.9	24.3	54.1	≤5	≤5
	Pacific Islander	≥360	14.0	17.9	41.5	15.9	10.7	≥360	17.8	22.7	51.1	6.0	≤5
	Two or More Races	≥940	24.4	13.3	31.1	15.8	15.4	≥940	32.9	18.5	39.9	≤5	≤5
	White	≥810	21.9	9.8	30.5	16.6	21.2	≥810	31.4	16.1	39.2	6.8	6.5
	Other/Unknown	≥150	17.8	16.6	29.3	15.3	21.0	≥150	25.5	19.7	39.5	7.0	8.3

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.10: Summative Performance Level by Domain - Grade 9

Subgroup	Status	Listening						Reading					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥14,830	28.8	13.1	32.9	15.8	9.5	≥14,790	42.8	21.1	30.6	≤5	≤5
Gender	Female	≥6,390	25.8	12.6	34.8	16.5	10.3	≥6,370	39.0	22.9	32.3	≤5	≤5
	Male	≥8,350	30.7	13.5	31.5	15.3	8.9	≥8,330	45.4	19.8	29.4	≤5	≤5
	Missing	≥80	56.8	≤5	18.5	14.8	≤5	≥70	60.8	11.4	26.6	≤5	≤5
Ethnicity	American Indian or Alaskan Native	≥40	14.0	18.6	39.5	16.3	11.6	≥40	34.9	30.2	25.6	7.0	≤5
	Asian	≥1,050	15.1	9.6	37.0	20.6	17.7	≥1,050	26.4	23.4	40.4	5.2	≤5
	Black or African American	≥1,490	17.7	13.9	39.1	18.6	10.6	≥1,480	34.7	24.9	35.0	≤5	≤5
	Hispanic or Latino	≥9,800	32.8	12.9	30.6	15.3	8.5	≥9,780	46.2	19.5	29.4	≤5	≤5
	Native Hawaiian or Other Pacific Islander	≥20	11.5	19.2	61.5	≤5	≤5	≥20	30.8	46.2	19.2	≤5	≤5
	Pacific Islander	≥360	10.6	18.3	46.6	18.0	6.5	≥360	28.9	33.2	34.3	≤5	≤5
	Two or More Races	≥900	37.0	14.3	31.9	10.8	6.0	≥900	51.2	20.8	23.4	≤5	≤5
	White	≥940	21.5	14.1	35.0	16.7	12.8	≥930	37.9	22.0	32.0	≤5	≤5
	Other/Unknown	≥190	19.7	13.1	41.4	13.6	12.1	≥190	35.4	29.3	27.8	≤5	≤5

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.10: Summative Performance Level by Domain - Grade 9 (cont.)

Subgroup	Status	Speaking						Writing					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥14,740	29.9	17.0	33.3	10.5	9.4	≥14,750	38.5	20.0	35.6	≤5	≤5
Gender	Female	≥6,370	27.2	16.3	33.5	11.9	11.2	≥6,370	35.3	19.6	38.0	≤5	≤5
	Male	≥8,290	31.7	17.5	33.2	9.5	8.0	≥8,300	40.7	20.5	33.8	≤5	≤5
	Missing	≥70	58.4	7.8	19.5	6.5	7.8	≥70	63.6	9.1	24.7	≤5	≤5
Ethnicity	American Indian or Alaskan Native	≥40	18.6	30.2	27.9	9.3	14.0	≥40	25.0	22.7	47.7	≤5	≤5
	Asian	≥1,040	14.6	15.3	38.3	14.8	16.9	≥1,040	23.5	21.2	43.9	6.8	≤5
	Black or African American	≥1,480	17.2	16.9	38.8	13.8	13.4	≥1,470	27.1	24.9	41.0	≤5	≤5
	Hispanic or Latino	≥9,750	34.4	16.4	32.0	9.6	7.7	≥9,760	42.6	18.5	34.0	≤5	≤5
	Native Hawaiian or Other Pacific Islander	≥20	11.5	23.1	50.0	11.5	≤5	≥20	23.1	46.2	30.8	≤5	≤5
	Pacific Islander	≥360	15.6	23.5	45.6	9.3	6.0	≥360	20.7	30.2	44.0	≤5	≤5
	Two or More Races	≥900	36.7	19.6	26.7	8.2	8.7	≥890	48.4	19.5	27.5	≤5	≤5
	White	≥930	21.8	18.3	33.3	12.5	14.0	≥930	32.4	21.2	37.9	≤5	≤5
	Other/Unknown	≥190	22.8	20.8	35.5	9.6	11.2	≥190	26.3	27.3	36.4	7.1	≤5

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.11: Summative Performance Level by Domain - Grade 10

Subgroup	Status	Listening						Reading					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥12,870	21.5	13.1	32.4	18.4	14.6	≥12,830	35.5	20.7	34.6	5.4	≤5
Gender	Female	≥5,580	19.1	12.8	32.7	20.0	15.4	≥5,560	32.3	21.2	37.9	5.5	≤5
	Male	≥7,250	23.3	13.3	32.3	17.1	14.1	≥7,220	37.8	20.4	32.2	5.3	≤5
	Missing	≥40	36.4	11.4	31.8	13.6	6.8	≥40	50.0	19.0	21.4	≤5	7.1
Ethnicity	American Indian or Alaskan Native	≥20	21.4	14.3	32.1	10.7	21.4	≥20	50.0	10.7	21.4	14.3	≤5
	Asian	≥1,030	10.7	9.3	32.0	22.9	25.0	≥1,020	21.6	21.3	42.6	8.0	6.4
	Black or African American	≥1,350	13.5	12.3	35.8	23.9	14.5	≥1,340	27.5	24.2	39.7	≤5	≤5
	Hispanic or Latino	≥8,200	24.5	13.5	31.3	17.3	13.5	≥8,180	38.6	19.5	33.1	5.3	≤5
	Native Hawaiian or Other Pacific Islander	≥20	18.5	7.4	48.1	22.2	≤5	≥20	25.9	37.0	33.3	≤5	≤5
	Pacific Islander	≥360	7.7	14.2	46.8	20.5	10.7	≥360	25.8	32.3	36.7	≤5	≤5
	Two or More Races	≥800	29.3	14.4	32.6	13.6	10.1	≥790	43.3	20.3	31.8	≤5	≤5
	White	≥860	18.6	13.1	31.8	17.4	19.0	≥860	32.7	21.4	32.9	6.2	6.7
	Other/Unknown	≥200	16.4	13.4	32.3	21.9	15.9	≥200	28.9	21.4	37.8	7.0	≤5

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.11: Summative Performance Level by Domain - Grade 10 (cont.)

Subgroup	Status	Speaking						Writing					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥12,800	22.2	16.9	34.2	13.3	13.3	≥12,810	31.6	19.9	39.0	5.8	≤5
Gender	Female	≥5,540	20.5	14.8	33.7	15.0	16.0	≥5,550	28.8	18.8	41.7	6.6	≤5
	Male	≥7,210	23.4	18.5	34.8	12.0	11.2	≥7,210	33.6	20.7	37.0	5.2	≤5
	Missing	≥40	35.7	16.7	16.7	16.7	14.3	≥40	46.3	17.1	31.7	≤5	≤5
Ethnicity	American Indian or Alaskan Native	≥20	28.6	14.3	25.0	14.3	17.9	≥20	32.1	21.4	35.7	≤5	7.1
	Asian	≥1,020	11.7	12.2	34.8	17.7	23.6	≥1,020	18.4	19.5	46.8	8.1	7.1
	Black or African American	≥1,340	12.9	14.2	39.3	16.5	17.1	≥1,340	21.6	24.2	44.3	5.7	≤5
	Hispanic or Latino	≥8,160	25.5	17.8	32.9	12.4	11.3	≥8,170	35.2	19.0	36.9	5.6	≤5
	Native Hawaiian or Other Pacific Islander	≥20	22.2	14.8	44.4	11.1	7.4	≥20	33.3	18.5	44.4	≤5	≤5
	Pacific Islander	≥360	14.3	21.8	42.1	15.2	6.6	≥360	16.8	29.1	47.3	≤5	≤5
	Two or More Races	≥790	26.1	18.9	32.7	12.2	10.1	≥790	40.6	18.2	35.3	≤5	≤5
	White	≥860	17.1	15.7	34.9	12.8	19.5	≥860	27.4	19.4	39.9	7.2	6.0
	Other/Unknown	≥200	22.5	11.0	39.5	12.0	15.0	≥200	26.4	19.9	44.8	≤5	≤5

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.12: Summative Performance Level by Domain - Grade 11

Subgroup	Status	Listening						Reading					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥10,040	12.5	11.5	32.7	21.2	22.0	≥10,020	25.6	20.3	39.4	8.5	6.1
Gender	Female	≥4,480	10.7	10.3	33.2	22.6	23.3	≥4,470	22.4	20.7	42.6	8.0	6.3
	Male	≥5,520	14.0	12.5	32.4	20.1	21.0	≥5,510	28.2	20.0	36.9	9.0	5.9
	Missing	≥40	15.0	15.0	27.5	17.5	25.0	≥40	30.0	17.5	35.0	12.5	≤5
Ethnicity	American Indian or Alaskan Native	≥20	16.0	8.0	24.0	20.0	32.0	≥20	24.0	20.0	36.0	≤5	16.0
	Asian	≥920	5.7	7.4	29.1	25.1	32.7	≥910	15.2	19.7	44.5	12.0	8.5
	Black or African American	≥1,200	10.9	11.2	35.5	23.8	18.7	≥1,200	24.1	24.8	40.1	6.7	≤5
	Hispanic or Latino	≥6,140	14.7	12.0	32.8	20.1	20.4	≥6,140	28.1	19.3	38.6	8.6	5.4
	Native Hawaiian or Other Pacific Islander	≥20	9.1	≤5	54.5	13.6	18.2	≥20	≤5	40.9	50.0	≤5	≤5
	Pacific Islander	≥290	≤5	11.4	44.8	21.2	17.8	≥290	20.1	28.5	43.3	≤5	≤5
	Two or More Races	≥480	14.8	16.0	31.8	18.7	18.7	≥470	32.2	19.6	38.5	5.1	≤5
	White	≥790	7.8	11.0	30.3	22.4	28.4	≥780	20.4	20.1	38.3	10.2	11.0
	Other/Unknown	≥160	10.5	9.3	19.8	27.2	33.3	≥160	20.2	15.3	38.0	11.0	15.3

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.12: Summative Performance Level by Domain - Grade 11 (cont.)

Subgroup	Status	Speaking						Writing					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥9,980	13.8	14.1	36.5	17.2	18.5	≥9,980	21.2	20.3	43.6	8.9	6.0
Gender	Female	≥4,460	12.0	12.8	34.4	18.8	22.0	≥4,450	18.8	19.1	45.5	9.7	6.9
	Male	≥5,480	15.2	15.2	38.1	15.8	15.6	≥5,490	23.1	21.3	42.1	8.2	5.2
	Missing	≥40	15.0	17.5	35.0	12.5	20.0	≥40	27.5	22.5	32.5	10.0	7.5
Ethnicity	American Indian or Alaskan Native	≥20	20.0	≤5	28.0	28.0	20.0	≥20	24.0	12.0	44.0	12.0	8.0
	Asian	≥910	5.7	9.5	35.2	20.5	29.1	≥910	12.0	19.5	46.3	14.1	8.0
	Black or African American	≥1,190	8.8	13.5	39.9	18.0	19.7	≥1,190	19.6	21.7	46.4	7.0	5.3
	Hispanic or Latino	≥6,110	16.8	14.9	36.1	16.2	15.9	≥6,110	23.7	20.5	42.2	8.2	5.5
	Native Hawaiian or Other Pacific Islander	≥20	≤5	26.1	47.8	17.4	8.7	≥20	≤5	45.5	40.9	≤5	≤5
	Pacific Islander	≥290	11.8	20.5	43.8	16.2	7.7	≥290	12.4	23.2	54.4	6.0	≤5
	Two or More Races	≥470	13.0	16.8	37.1	16.4	16.8	≥470	27.5	22.2	37.9	7.3	≤5
	White	≥780	9.3	10.8	32.5	19.8	27.6	≥780	16.3	17.0	45.8	11.6	9.3
	Other/Unknown	≥160	8.1	11.2	34.2	17.4	29.2	≥160	16.7	13.0	45.1	15.4	9.9

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.13: Summative Performance Level by Domain - Grade 12

Subgroup	Status	Listening						Reading					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥8,140	9.7	11.9	35.5	21.5	21.3	≥8,120	23.6	21.9	40.4	8.3	5.8
Gender	Female	≥3,730	8.2	11.1	36.2	21.7	22.9	≥3,720	20.5	22.9	42.5	8.6	5.5
	Male	≥4,370	11.0	12.5	35.0	21.4	20.0	≥4,360	26.2	21.0	38.8	8.0	6.0
	Missing	≥30	10.8	16.2	32.4	16.2	24.3	≥30	27.8	25.0	30.6	13.9	≤5
Ethnicity	American Indian or Alaskan Native	≥10	15.4	≤5	23.1	7.7	53.8	≥10	15.4	15.4	23.1	38.5	7.7
	Asian	≥820	≤5	7.3	32.4	27.2	28.6	≥820	14.6	20.8	47.0	10.2	7.3
	Black or African American	≥1,120	9.8	12.5	37.7	21.1	18.9	≥1,120	25.7	25.4	39.1	6.3	≤5
	Hispanic or Latino	≥4,810	10.8	12.8	34.9	21.2	20.2	≥4,800	25.1	20.8	39.9	8.5	5.6
	Native Hawaiian or Other Pacific Islander	≥10	5.6	11.1	44.4	33.3	5.6	≥10	22.2	11.1	66.7	≤5	≤5
	Pacific Islander	≥230	5.2	14.3	47.8	18.7	13.9	≥230	20.0	35.2	37.8	6.1	≤5
	Two or More Races	≥360	13.9	12.8	36.9	18.3	18.1	≥350	28.0	24.1	37.3	≤5	5.6
	White	≥600	7.7	9.0	35.3	20.4	27.6	≥600	19.6	19.9	41.0	9.9	9.6
	Other/Unknown	≥140	6.9	9.0	35.2	19.3	29.7	≥140	19.2	20.5	37.0	11.6	11.6

* Domain tests with Exemption or Not Attempted are excluded.

Table S5.13: Summative Performance Level by Domain - Grade 12 (cont.)

Subgroup	Status	Speaking						Writing					
		N	1	2	3	4	5	N	1	2	3	4	5
Total		≥8,080	11.2	15.1	36.5	18.2	19.0	≥8,100	19.1	22.2	44.8	8.4	5.6
Gender	Female	≥3,700	9.8	13.9	34.4	19.4	22.4	≥3,720	17.2	20.7	46.1	9.5	6.5
	Male	≥4,340	12.4	16.0	38.2	17.2	16.2	≥4,350	20.6	23.5	43.7	7.3	≤5
	Missing	≥30	12.1	18.2	36.4	18.2	15.2	≥30	28.1	18.8	34.4	9.4	9.4
Ethnicity	American Indian or Alaskan Native	≥10	7.7	7.7	38.5	30.8	15.4	≥10	7.7	23.1	46.2	15.4	7.7
	Asian	≥810	4.3	11.6	34.2	20.1	29.8	≥820	11.2	20.6	50.2	11.0	7.1
	Black or African American	≥1,100	8.8	15.0	37.4	19.6	19.3	≥1,100	19.5	24.9	43.9	7.1	≤5
	Hispanic or Latino	≥4,790	13.5	15.5	37.1	17.6	16.4	≥4,810	21.0	21.5	44.3	8.1	5.1
	Native Hawaiian or Other Pacific Islander	≥10	5.6	22.2	27.8	27.8	16.7	≥10	22.2	16.7	61.1	≤5	≤5
	Pacific Islander	≥220	14.5	20.3	40.5	17.2	7.5	≥220	11.0	30.7	48.7	5.3	≤5
	Two or More Races	≥350	11.3	19.2	32.2	18.1	19.2	≥350	24.3	23.4	40.4	7.6	≤5
	White	≥600	6.6	12.7	33.8	19.3	27.7	≥600	14.4	21.8	43.7	10.7	9.4
	Other/Unknown	≥140	8.3	11.7	40.0	12.4	27.6	≥140	16.6	21.4	43.4	6.9	11.7

* Domain tests with Exemption or Not Attempted are excluded.

Section 6: Summative Assessment - Percentage of Students by Overall Proficiency Category

* The percentages are suppressed when the N count is fewer than 10.

Figure S6.1: Summative Percentage of Students in Proficiency Categories

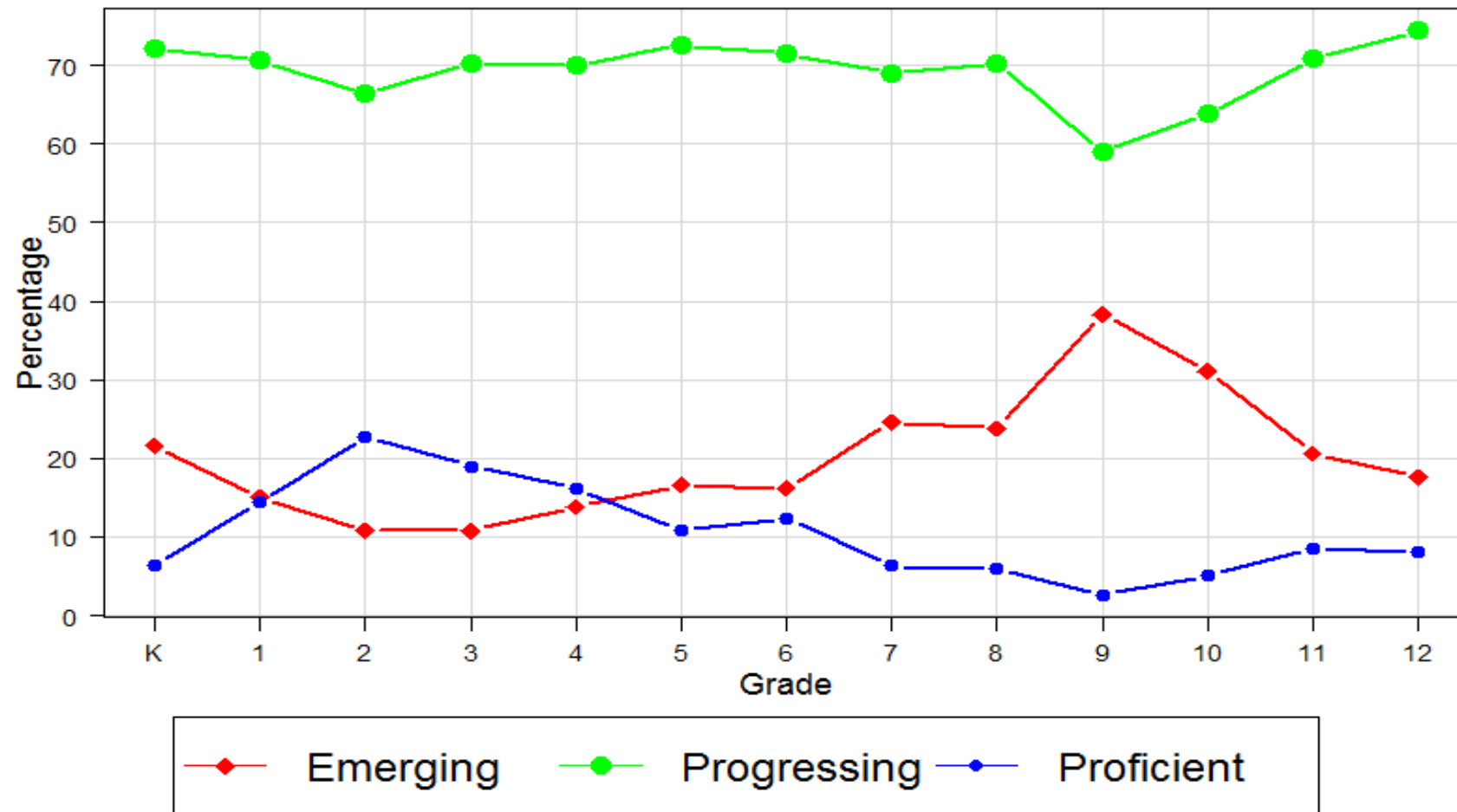


Table S6.1: Summative Overall Proficiency Categories - Kindergarten

Subgroup	Status	N	Emerging	Progressing	Proficient
Total		≥27,960	21.6	72.1	6.3
Gender	Female	≥13,410	18.4	74.6	7.0
	Male	≥14,290	24.5	69.8	5.6
	Missing	≥260	25.2	69.5	5.3
Ethnicity	American Indian or Alaskan Native	≥90	17.0	77.7	5.3
	Asian	≥4,180	12.4	73.6	13.9
	Black or African American	≥3,000	15.6	78.4	6.1
	Hispanic or Latino	≥15,860	25.5	70.6	≤5
	Native Hawaiian or Other Pacific Islander	≥50	16.4	80.0	≤5
	Pacific Islander	≥550	20.1	78.1	≤5
	Two or More Races	≥1,330	28.3	67.2	≤5
	White	≥2,560	17.4	72.3	10.3
	Other/Unknown	≥310	14.4	73.5	12.1

Table S6.2: Summative Overall Proficiency Categories - Grade 1

Subgroup	Status	N	Emerging	Progressing	Proficient
Total		≥27,830	15.0	70.6	14.4
Gender	Female	≥13,490	12.9	70.8	16.3
	Male	≥14,130	16.9	70.3	12.8
	Missing	≥210	16.2	75.7	8.1
Ethnicity	American Indian or Alaskan Native	≥80	10.5	77.9	11.6
	Asian	≥3,980	10.2	62.6	27.2
	Black or African American	≥2,860	10.6	74.0	15.4
	Hispanic or Latino	≥16,060	16.8	72.6	10.7
	Native Hawaiian or Other Pacific Islander	≥50	12.5	76.8	10.7
	Pacific Islander	≥560	15.2	72.5	12.3
	Two or More Races	≥1,470	20.9	68.2	10.9
	White	≥2,450	13.0	66.9	20.1
	Other/Unknown	≥290	11.6	75.2	13.3

Table S6.3: Summative Overall Proficiency Categories - Grade 2

Subgroup	Status	N	Emerging	Progressing	Proficient
Total		≥23,230	10.8	66.4	22.8
Gender	Female	≥11,060	9.7	65.0	25.3
	Male	≥12,000	11.8	67.6	20.6
	Missing	≥160	10.1	72.8	17.2
Ethnicity	American Indian or Alaskan Native	≥70	≤5	72.2	25.0
	Asian	≥2,920	7.6	57.5	34.9
	Black or African American	≥2,500	9.2	66.4	24.4
	Hispanic or Latino	≥13,750	11.1	69.0	19.9
	Native Hawaiian or Other Pacific Islander	≥40	17.1	53.7	29.3
	Pacific Islander	≥460	8.4	74.5	17.1
	Two or More Races	≥1,160	16.3	65.9	17.8
	White	≥2,020	12.1	60.8	27.1
	Other/Unknown	≥290	14.0	61.0	25.0

Table S6.4: Summative Overall Proficiency Categories - Grade 3

Subgroup	Status	N	Emerging	Progressing	Proficient
Total		≥19,600	10.8	70.2	19.0
Gender	Female	≥9,260	10.8	67.1	22.1
	Male	≥10,220	10.8	73.0	16.2
	Missing	≥120	9.1	79.3	11.6
Ethnicity	American Indian or Alaskan Native	≥50	17.2	67.2	15.5
	Asian	≥2,370	9.7	63.2	27.1
	Black or African American	≥2,110	8.0	71.8	20.2
	Hispanic or Latino	≥11,250	10.5	71.9	17.6
	Native Hawaiian or Other Pacific Islander	≥20	6.9	86.2	6.9
	Pacific Islander	≥460	7.1	81.4	11.6
	Two or More Races	≥1,490	15.0	70.5	14.5
	White	≥1,600	15.4	62.2	22.5
	Other/Unknown	≥200	6.3	78.6	15.0

Table S6.5: Summative Overall Proficiency Categories - Grade 4

Subgroup	Status	N	Emerging	Progressing	Proficient
Total		≥16,660	13.8	70.0	16.2
Gender	Female	≥7,650	12.8	69.8	17.5
	Male	≥8,910	14.7	70.1	15.2
	Missing	≥90	16.5	76.3	7.2
Ethnicity	American Indian or Alaskan Native	≥30	11.1	75.0	13.9
	Asian	≥1,800	11.3	67.5	21.3
	Black or African American	≥1,740	11.6	71.6	16.8
	Hispanic or Latino	≥9,890	13.7	71.0	15.4
	Native Hawaiian or Other Pacific Islander	≥20	≤5	87.0	8.7
	Pacific Islander	≥430	9.9	79.3	10.8
	Two or More Races	≥1,240	18.0	68.2	13.8
	White	≥1,300	18.6	62.1	19.3
	Other/Unknown	≥180	14.8	72.0	13.2

Table S6.6: Summative Overall Proficiency Categories - Grade 5

Subgroup	Status	N	Emerging	Progressing	Proficient
Total		≥13,980	16.6	72.6	10.9
Gender	Female	≥6,260	15.9	72.4	11.6
	Male	≥7,640	17.0	72.7	10.3
	Missing	≥60	23.2	68.1	8.7
Ethnicity	American Indian or Alaskan Native	≥40	21.3	70.2	8.5
	Asian	≥1,420	13.2	72.3	14.5
	Black or African American	≥1,500	12.4	75.6	12.0
	Hispanic or Latino	≥8,270	16.5	72.7	10.8
	Native Hawaiian or Other Pacific Islander	≥20	16.0	76.0	8.0
	Pacific Islander	≥410	10.2	81.8	8.0
	Two or More Races	≥1,030	22.3	69.7	8.0
	White	≥1,110	23.9	66.5	9.6
	Other/Unknown	≥140	14.6	75.0	10.4

Table S6.7: Summative Overall Proficiency Categories - Grade 6

Subgroup	Status	N	Emerging	Progressing	Proficient
Total		≥12,780	16.2	71.5	12.3
Gender	Female	≥5,660	15.3	71.4	13.3
	Male	≥7,030	16.9	71.7	11.5
	Missing	≥80	20.2	69.0	10.7
Ethnicity	American Indian or Alaskan Native	≥30	22.6	64.5	12.9
	Asian	≥1,160	12.1	68.3	19.6
	Black or African American	≥1,410	11.4	76.3	12.3
	Hispanic or Latino	≥7,480	16.5	72.2	11.3
	Native Hawaiian or Other Pacific Islander	≥30	9.4	78.1	12.5
	Pacific Islander	≥410	10.1	78.2	11.8
	Two or More Races	≥1,120	23.4	66.0	10.6
	White	≥950	20.4	66.1	13.5
	Other/Unknown	≥150	14.4	72.5	13.1

Table S6.8: Summative Overall Proficiency Categories - Grade 7

Subgroup	Status	N	Emerging	Progressing	Proficient
Total		≥11,740	24.6	69.0	6.3
Gender	Female	≥5,180	23.4	69.8	6.8
	Male	≥6,520	25.5	68.5	6.0
	Missing	≥40	27.9	65.1	7.0
Ethnicity	American Indian or Alaskan Native	≥40	40.4	57.4	≤5
	Asian	≥940	18.4	68.8	12.8
	Black or African American	≥1,190	19.9	73.5	6.6
	Hispanic or Latino	≥7,200	25.3	69.1	5.7
	Native Hawaiian or Other Pacific Islander	≥10	7.1	92.9	≤5
	Pacific Islander	≥340	15.0	78.7	6.3
	Two or More Races	≥940	32.2	64.5	≤5
	White	≥920	27.6	64.2	8.2
	Other/Unknown	≥120	21.9	72.7	5.5

Table S6.9: Summative Overall Proficiency Categories - Grade 8

Subgroup	Status	N	Emerging	Progressing	Proficient
Total		≥11,980	23.8	70.3	5.9
Gender	Female	≥5,330	22.9	70.2	6.9
	Male	≥6,600	24.5	70.5	5.0
	Missing	≥40	36.2	55.3	8.5
Ethnicity	American Indian or Alaskan Native	≥30	25.0	75.0	≤5
	Asian	≥1,000	16.5	73.4	10.1
	Black or African American	≥1,270	18.6	75.5	5.9
	Hispanic or Latino	≥7,320	24.9	69.6	5.5
	Native Hawaiian or Other Pacific Islander	≥30	13.5	86.5	≤5
	Pacific Islander	≥360	18.3	79.3	≤5
	Two or More Races	≥960	29.9	66.2	≤5
	White	≥820	27.1	66.0	7.0
	Other/Unknown	≥150	21.7	67.5	10.8

Table S6.10: Summative Overall Proficiency Categories - Grade 9

Subgroup	Status	N	Emerging	Progressing	Proficient
Total		≥14,880	38.3	59.1	≤5
Gender	Female	≥6,410	35.1	61.9	≤5
	Male	≥8,380	40.6	57.1	≤5
	Missing	≥80	60.5	39.5	≤5
Ethnicity	American Indian or Alaskan Native	≥40	31.8	65.9	≤5
	Asian	≥1,060	22.0	72.7	5.4
	Black or African American	≥1,500	27.4	69.1	≤5
	Hispanic or Latino	≥9,820	42.3	55.7	≤5
	Native Hawaiian or Other Pacific Islander	≥20	26.9	73.1	≤5
	Pacific Islander	≥360	23.6	74.5	≤5
	Two or More Races	≥910	47.2	50.1	≤5
	White	≥940	31.7	63.7	≤5
	Other/Unknown	≥190	30.8	64.6	≤5

Table S6.11: Summative Overall Proficiency Categories - Grade 10

Subgroup	Status	N	Emerging	Progressing	Proficient
Total		≥12,930	31.1	63.8	5.1
Gender	Female	≥5,600	28.6	66.3	5.1
	Male	≥7,280	33.0	62.0	5.1
	Missing	≥40	45.5	52.3	≤5
Ethnicity	American Indian or Alaskan Native	≥20	35.7	53.6	10.7
	Asian	≥1,030	17.6	73.5	8.9
	Black or African American	≥1,350	21.1	74.4	≤5
	Hispanic or Latino	≥8,230	34.8	60.7	≤5
	Native Hawaiian or Other Pacific Islander	≥20	25.9	70.4	≤5
	Pacific Islander	≥360	19.9	76.8	≤5
	Two or More Races	≥800	38.6	58.6	≤5
	White	≥870	27.0	64.2	8.8
	Other/Unknown	≥200	27.4	66.7	6.0

Table S6.12: Summative Overall Proficiency Categories - Grade 11

Subgroup	Status	N	Emerging	Progressing	Proficient
Total		≥10,090	20.6	70.8	8.6
Gender	Female	≥4,500	18.0	72.5	9.6
	Male	≥5,540	22.7	69.5	7.9
	Missing	≥40	25.0	65.0	10.0
Ethnicity	American Indian or Alaskan Native	≥20	20.0	68.0	12.0
	Asian	≥920	10.3	76.4	13.3
	Black or African American	≥1,210	17.4	75.0	7.6
	Hispanic or Latino	≥6,160	23.5	68.9	7.6
	Native Hawaiian or Other Pacific Islander	≥20	13.0	87.0	≤5
	Pacific Islander	≥290	14.8	81.5	≤5
	Two or More Races	≥480	26.1	67.5	6.4
	White	≥790	14.6	71.1	14.3
	Other/Unknown	≥160	17.2	65.0	17.8

Table S6.13: Summative Overall Proficiency Categories - Grade 12

Subgroup	Status	N	Emerging	Progressing	Proficient
Total		≥8,180	17.6	74.4	8.0
Gender	Female	≥3,740	15.8	75.4	8.8
	Male	≥4,390	19.1	73.6	7.3
	Missing	≥30	24.3	67.6	8.1
Ethnicity	American Indian or Alaskan Native	≥10	15.4	69.2	15.4
	Asian	≥820	9.7	79.2	11.1
	Black or African American	≥1,130	18.1	75.9	6.0
	Hispanic or Latino	≥4,830	19.5	73.1	7.4
	Native Hawaiian or Other Pacific Islander	≥10	16.7	83.3	≤5
	Pacific Islander	≥230	16.4	78.4	5.2
	Two or More Races	≥360	22.0	71.6	6.3
	White	≥610	12.1	75.7	12.2
	Other/Unknown	≥140	13.0	71.9	15.1

Section 7: Summative Assessment - Testing Time

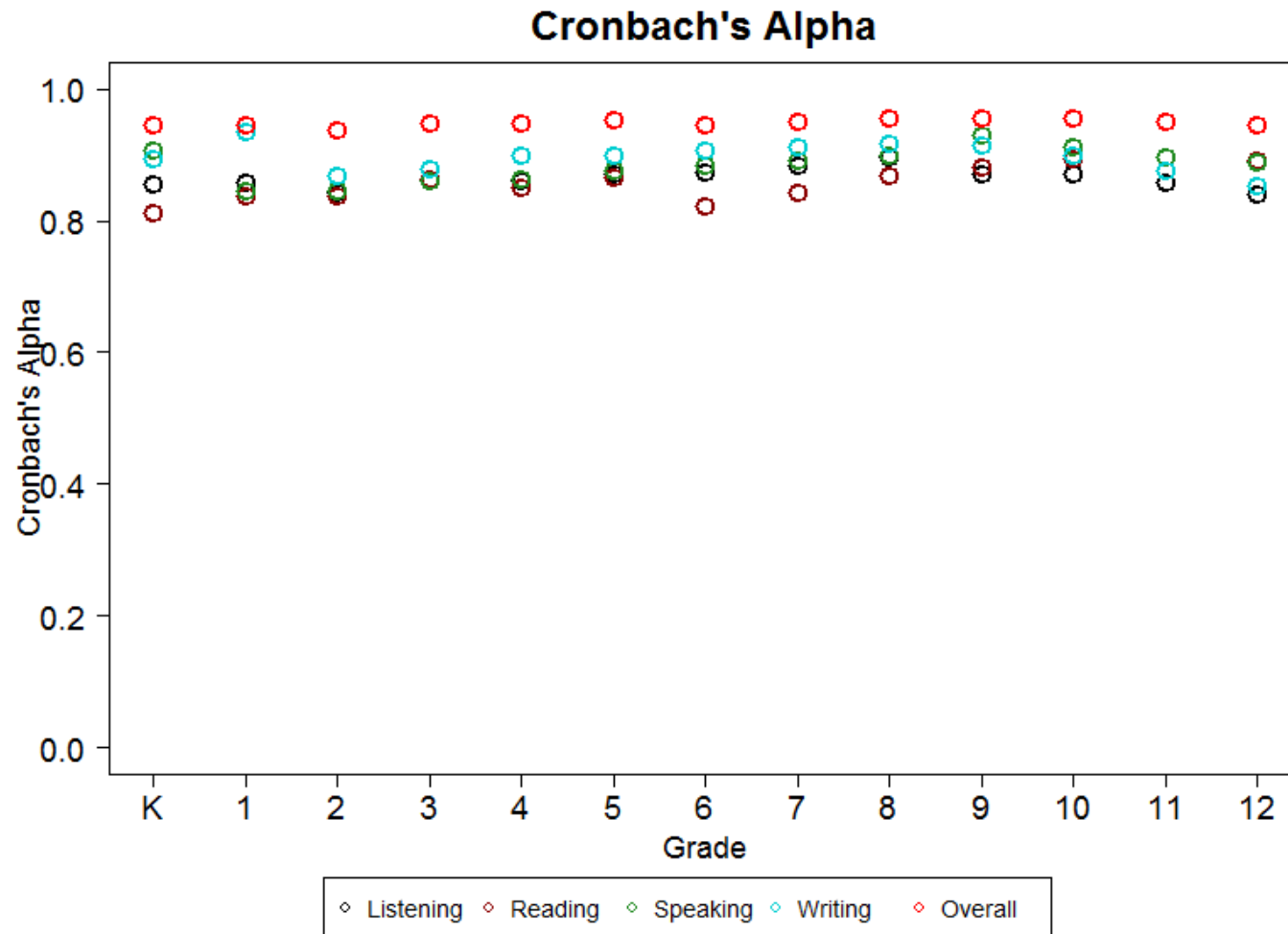
Table S7.1: Summative Testing Time

Grade/Grade Band	N	N of Items	Testing Time (Minutes)								
			Min	P10	P25	P50	P75	P90	Max	Mean	SD
K	≥27,550	81	5.0	36.5	42.2	50.2	60.8	73.9	194.8	53.3	16.4
1	≥27,490	83	5.7	39.1	45.0	53.0	63.7	76.7	231.0	56.1	16.4
2-3	≥42,310	78	3.6	48.8	57.9	70.4	87.1	107.9	313.2	75.4	26.2
4-5	≥30,220	77	5.7	53.2	64.0	78.9	98.9	123.0	446.6	84.9	31.3
6-8	≥35,930	78	3.8	62.2	78.2	100.9	135.0	177.5	1150.9	113.6	55.4
9-12	≥45,300	76	3.6	59.4	79.1	106.7	144.3	191.1	763.4	118.2	57.8

* Analysis was based on students who attempted all domains.

Section 8: Summative Assessment – Cronbach's Alpha

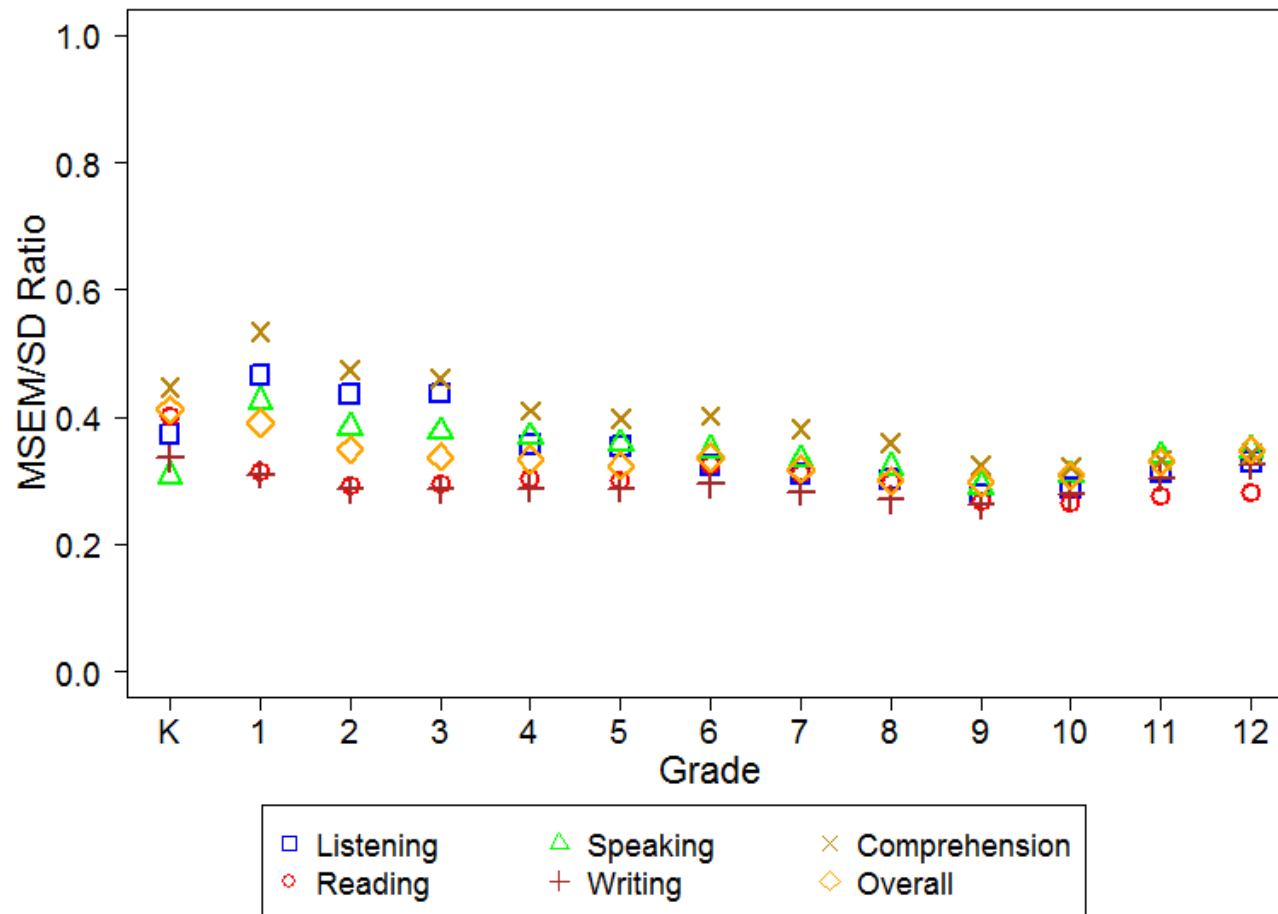
Figure S8.1: Summative Cronbach's Alpha by Grade and Domain



Section 9: Summative Assessment - Marginal Reliability

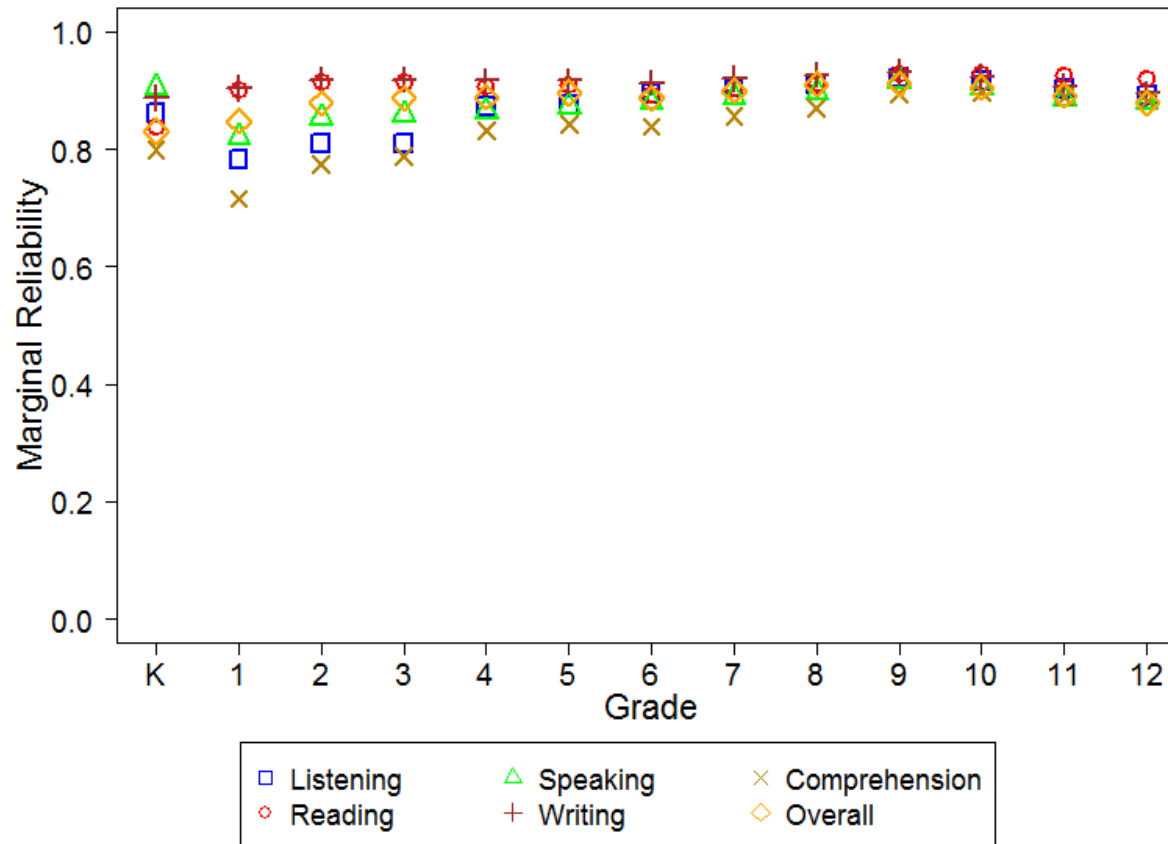
* Domain tests with Exemption or Not Attempted are excluded.

Figure S9.1: Summative Ratio of Marginal Standard Error of Measurement to Standard Deviation of Estimated Scale Scores by Grade and Domain



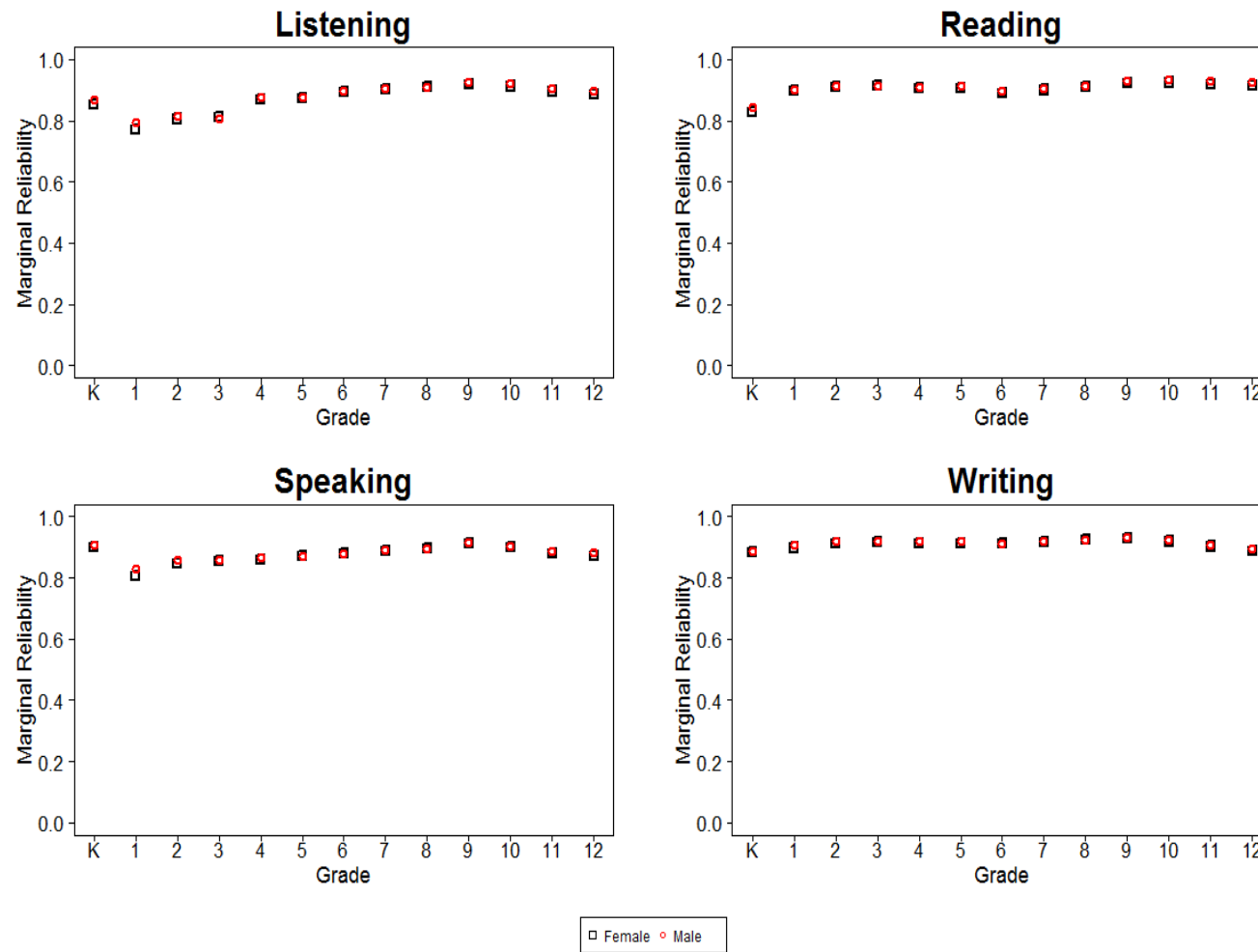
* Domain tests with Exemption or Not Attempted are excluded.

Figure S9.2: Summative Marginal Reliability by Test



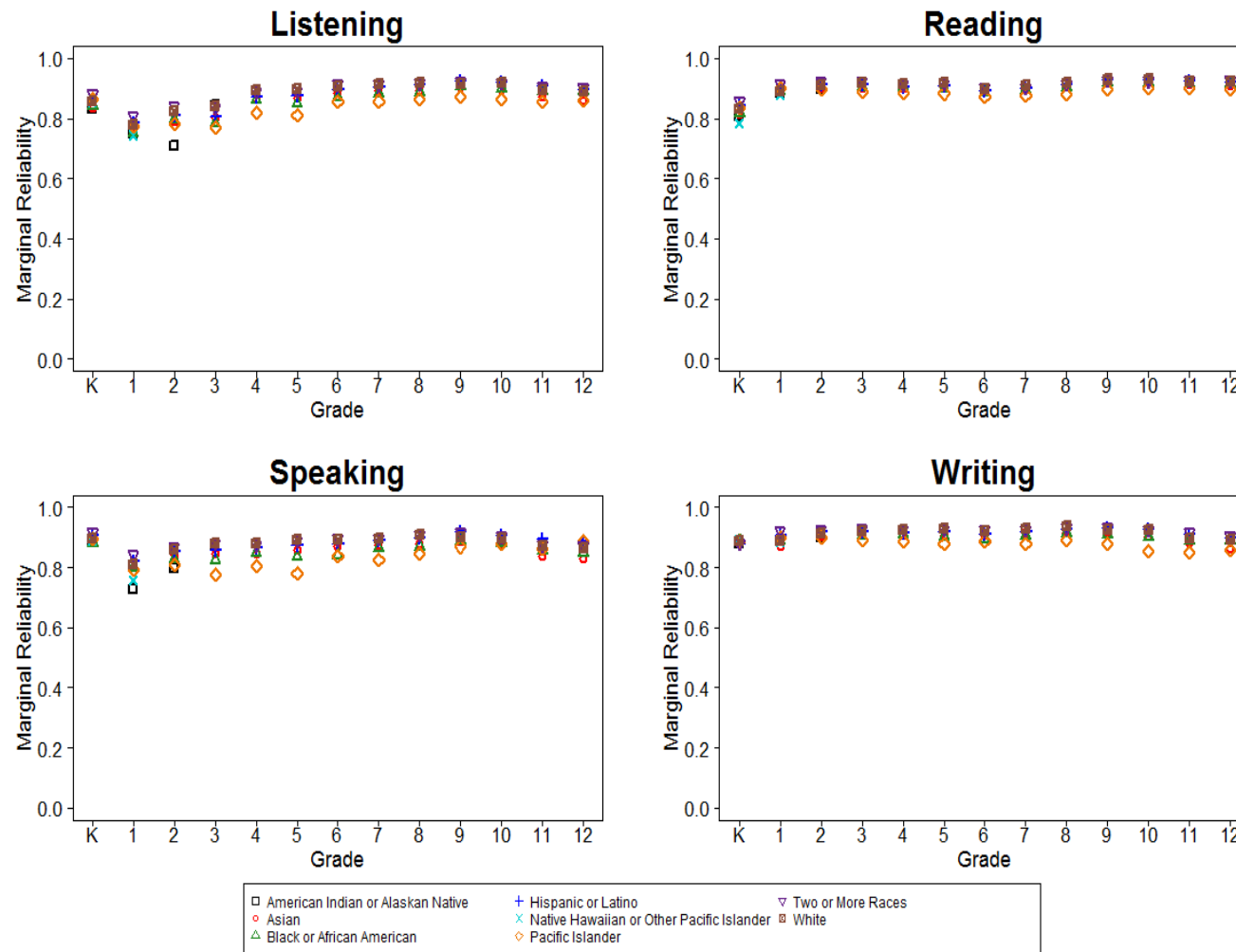
* Domain tests with Exemption or Not Attempted are excluded.

Figure S9.3: Summative Marginal Reliability by Gender



* Domain tests with Exemption or Not Attempted are excluded.

Figure S9.4: Summative Marginal Reliability by Ethnicity



* Domain tests with Exemption or Not Attempted are excluded.

Section 10: Summative Assessment - Conditional Standard Error of Measurement (CSEM)

Figure S10.1: Summative Conditional Standard Error of Measurement for Kindergarten

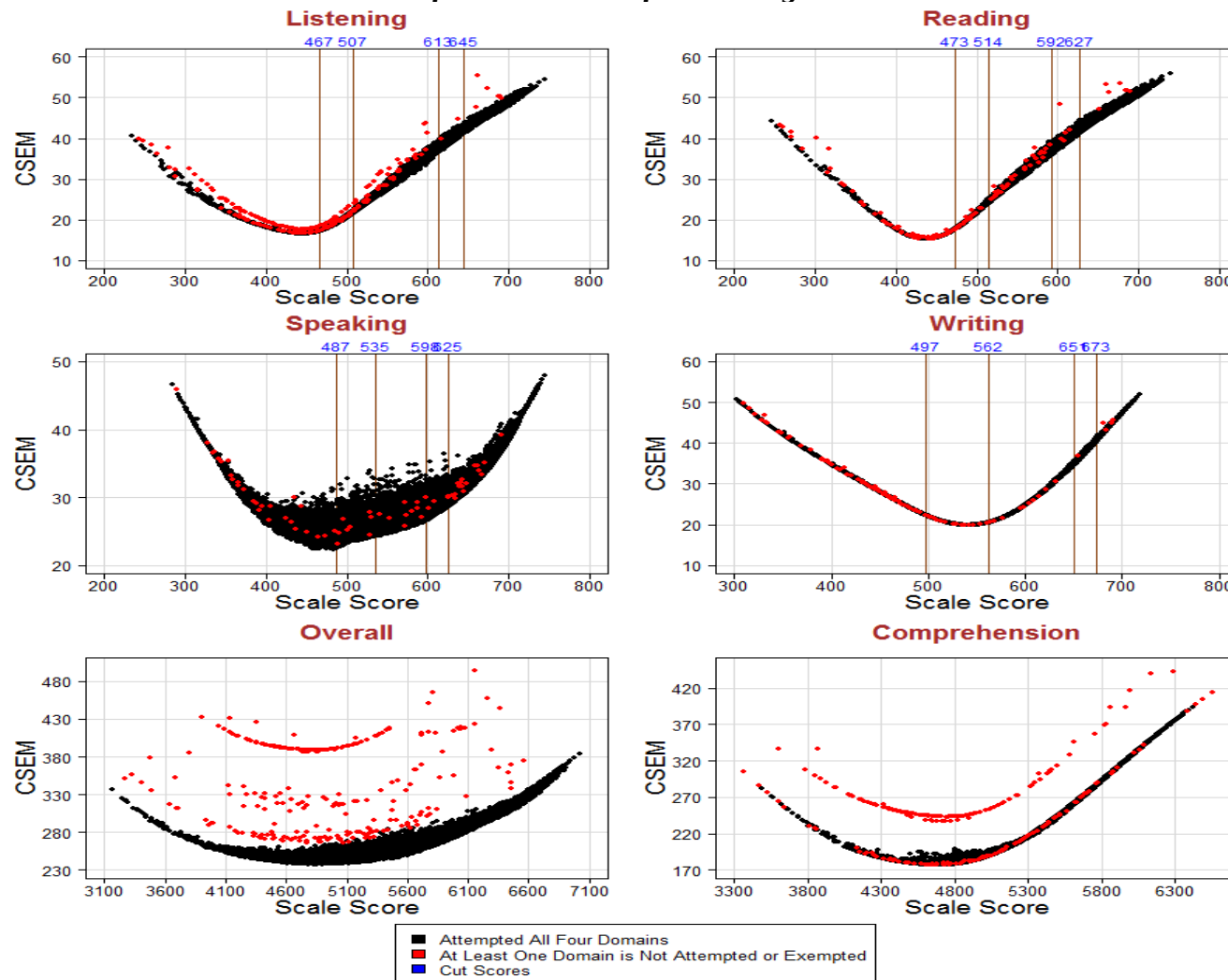


Figure S10.2: Summative Conditional Standard Error of Measurement for Grade 1

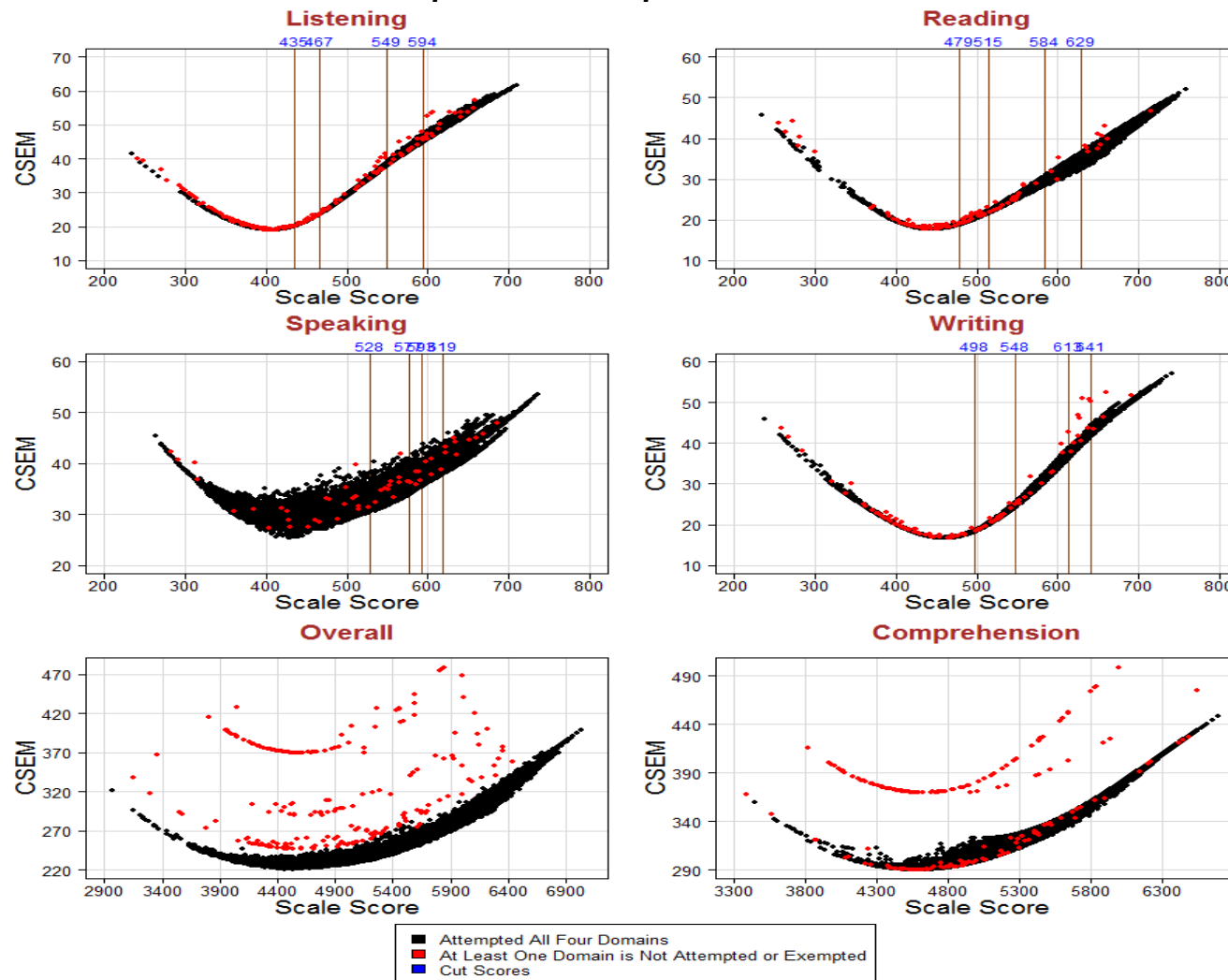


Figure S10.3: Summative Conditional Standard Error of Measurement for Grade 2

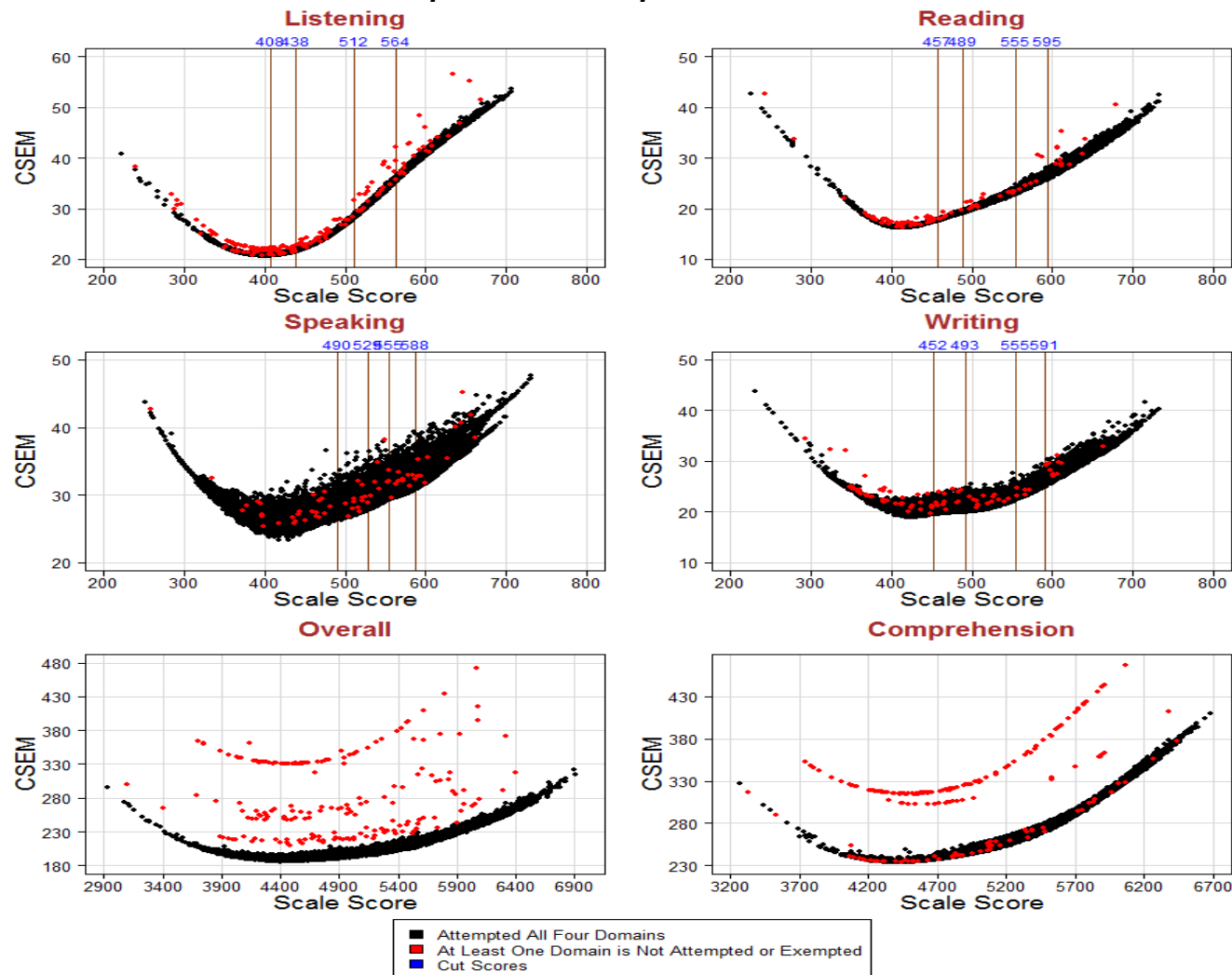


Figure S10.4: Summative Conditional Standard Error of Measurement for Grade 3

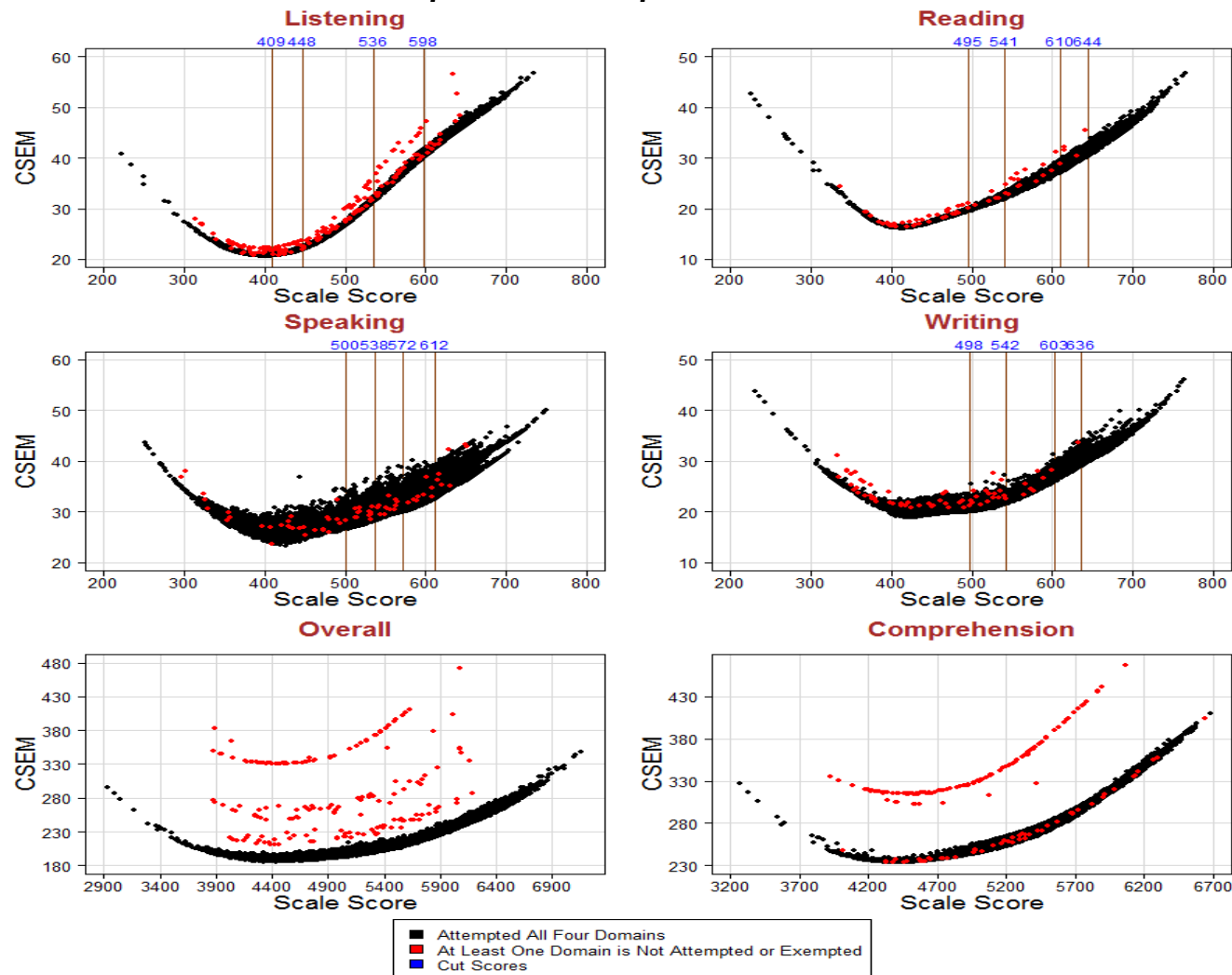


Figure S10.5: Summative Conditional Standard Error of Measurement for Grade 4

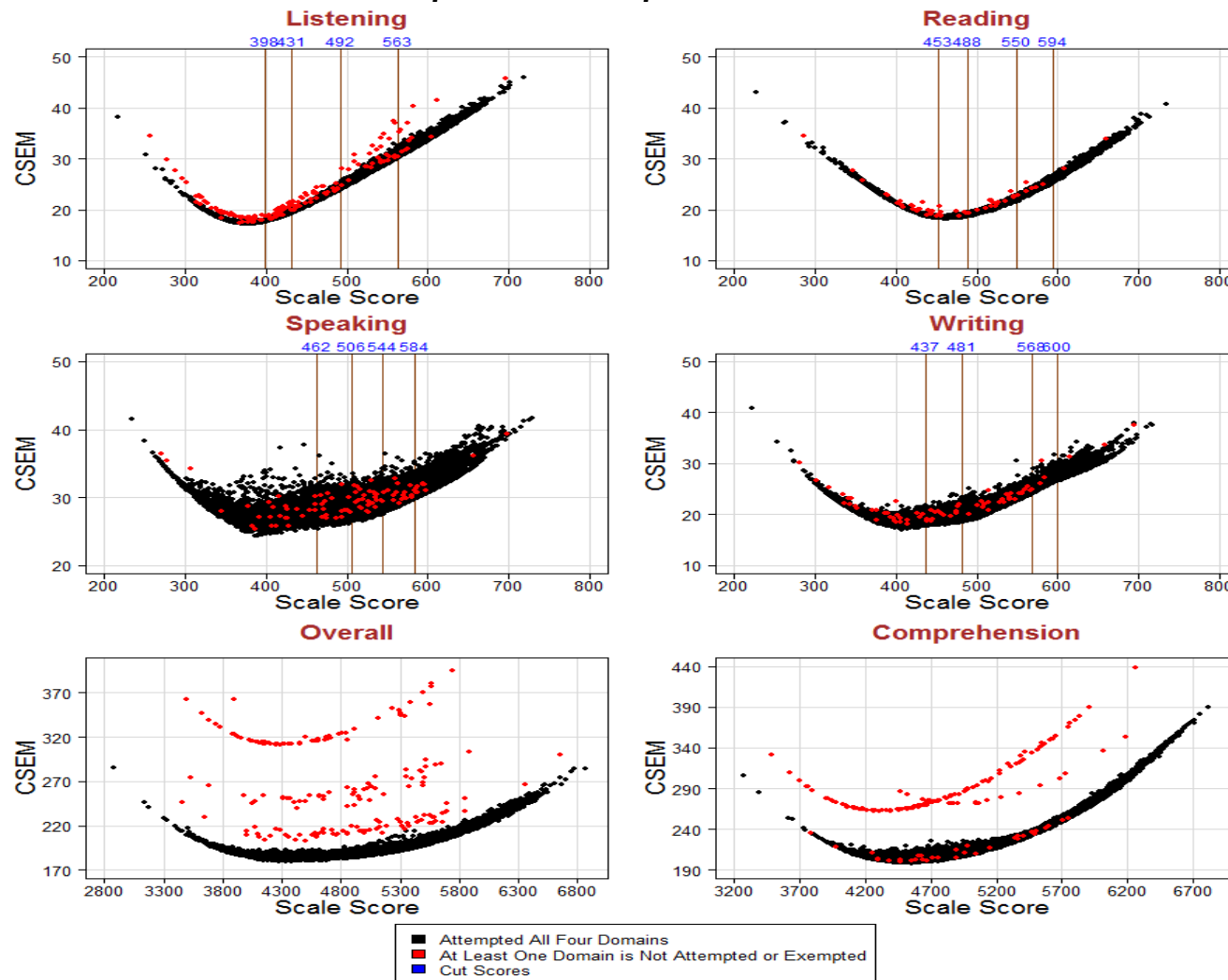


Figure S10.6: Summative Conditional Standard Error of Measurement for Grade 5

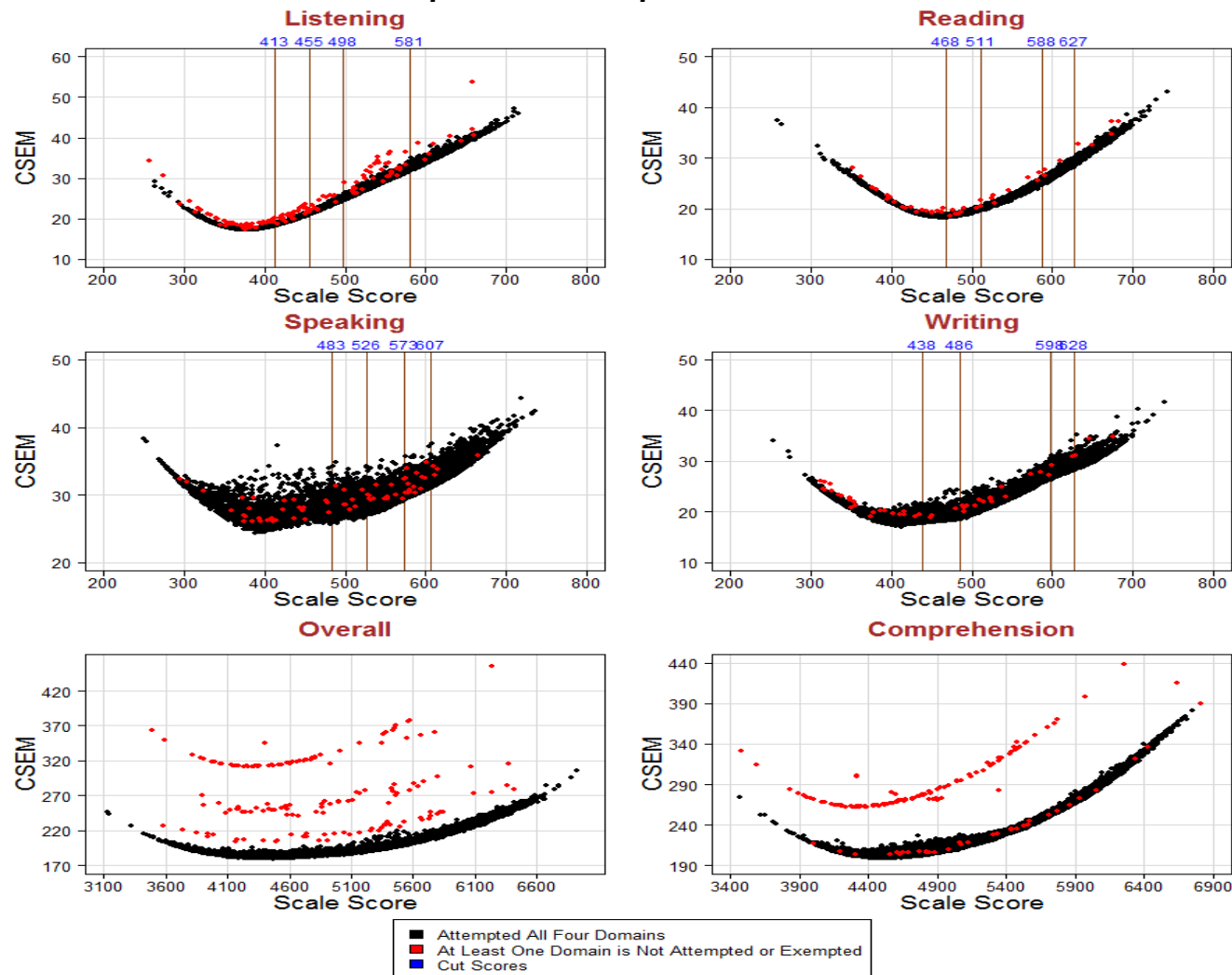


Figure S10.7: Summative Conditional Standard Error of Measurement for Grade 6

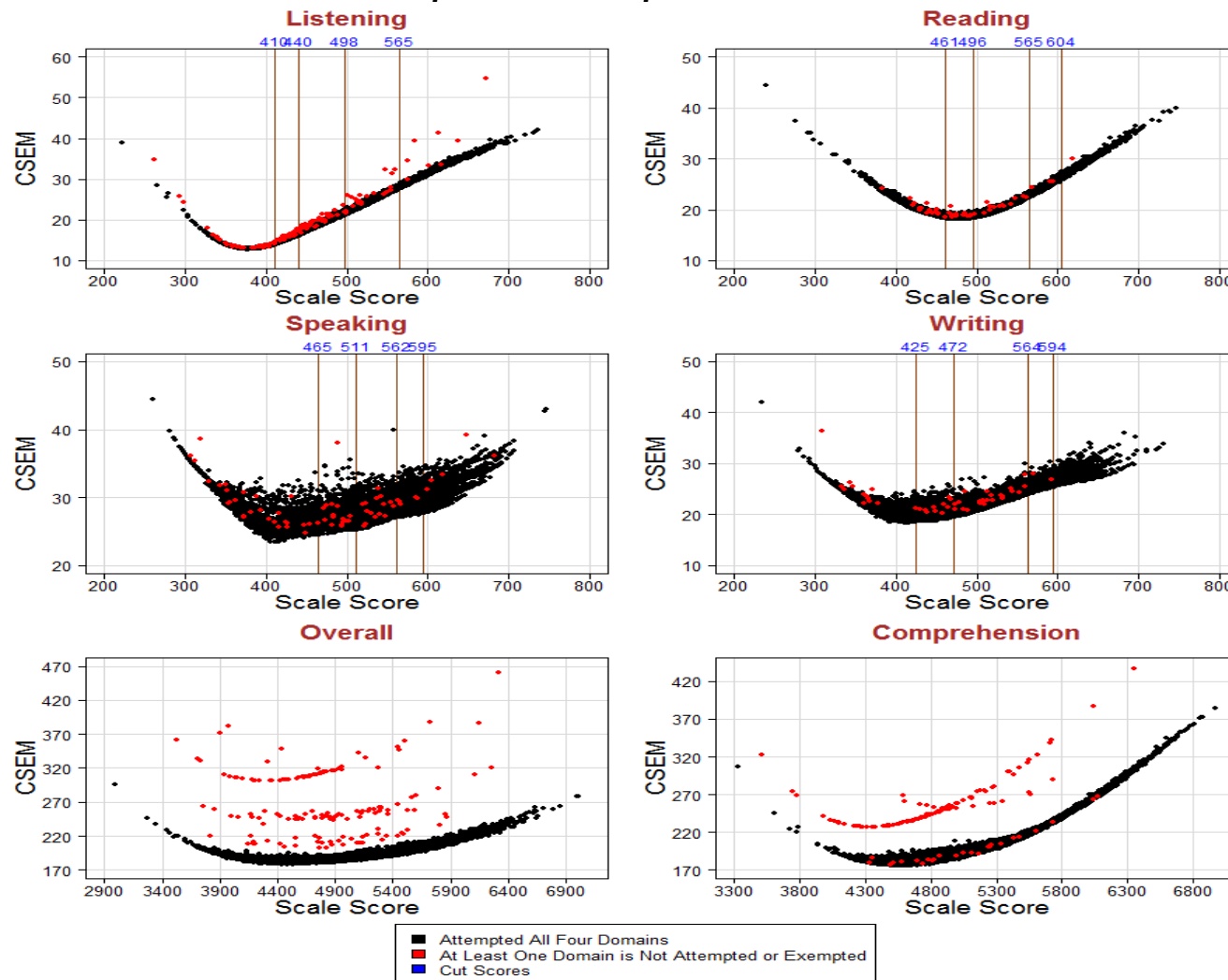


Figure S10.8: Summative Conditional Standard Error of Measurement for Grade 7

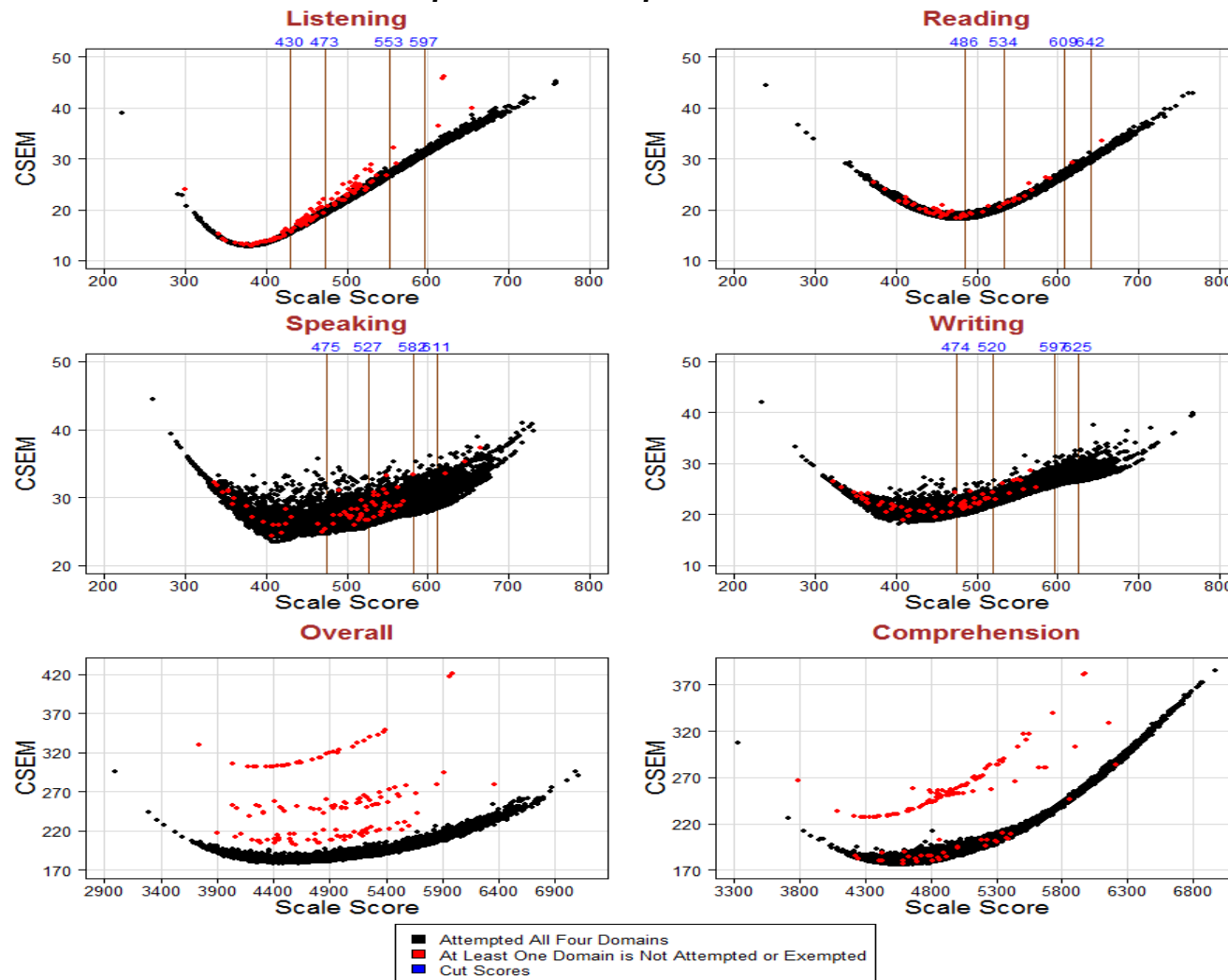


Figure S10.9: Summative Conditional Standard Error of Measurement for Grade 8

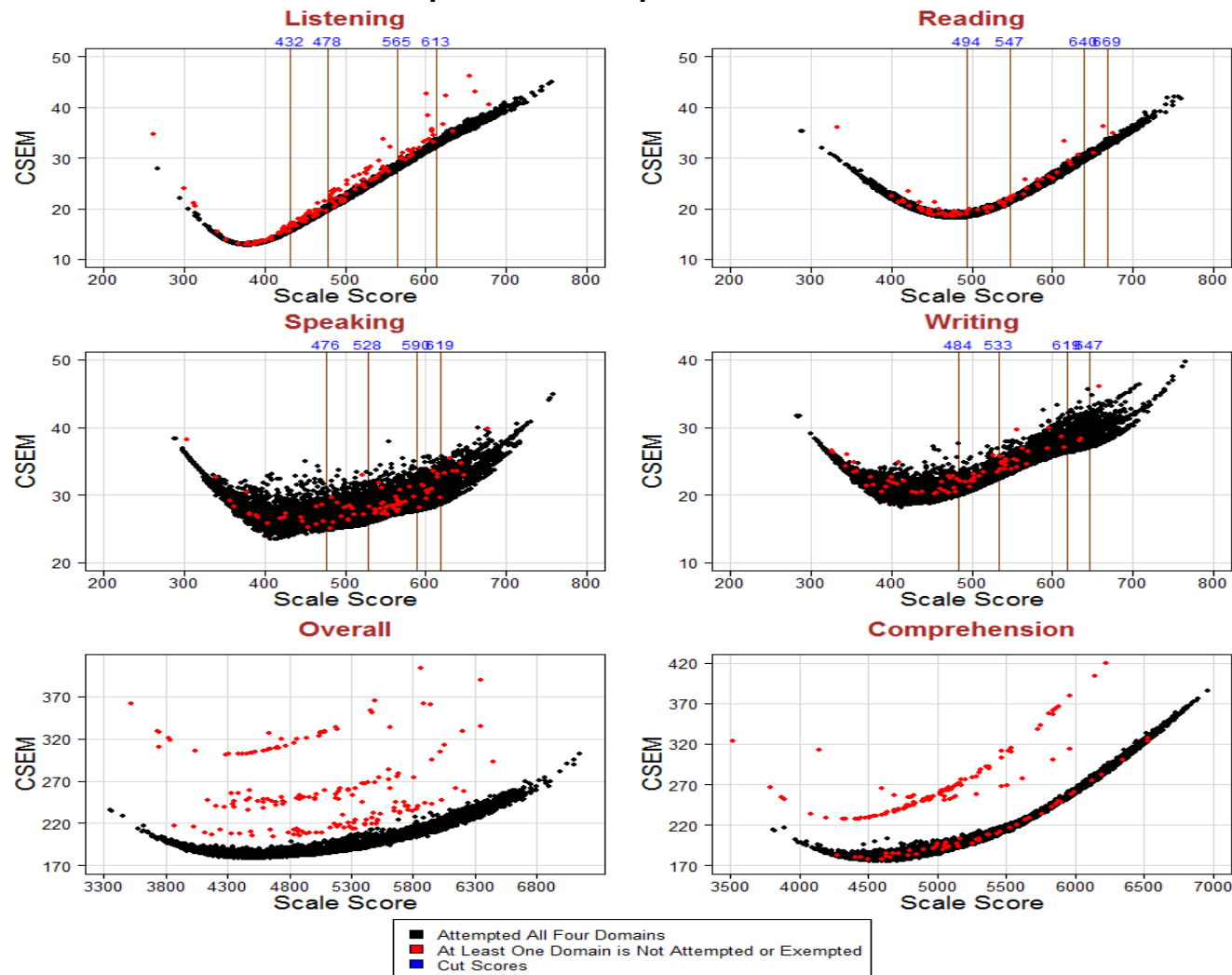


Figure S10.10: Summative Conditional Standard Error of Measurement for Grade 9

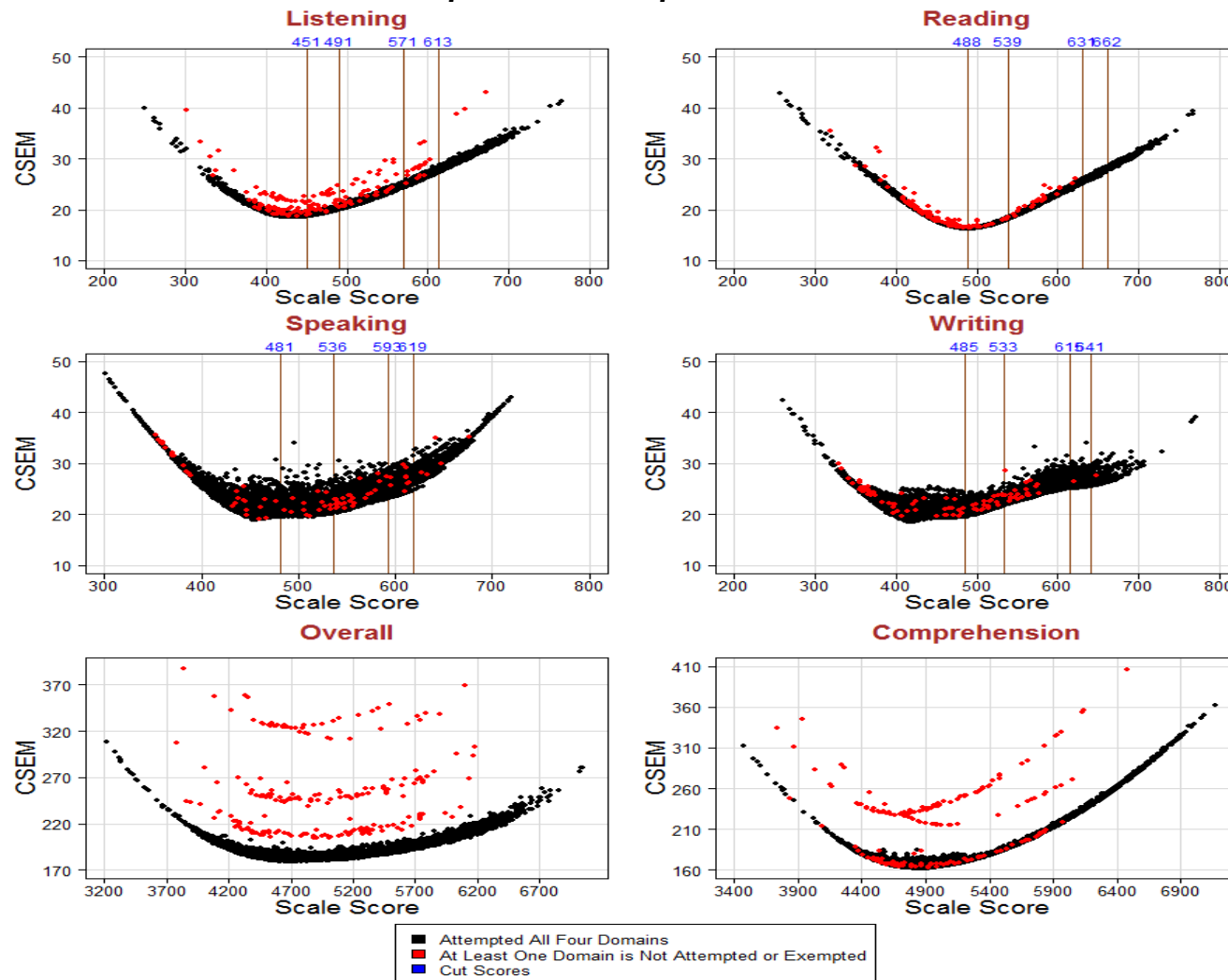


Figure S10.11: Summative Conditional Standard Error of Measurement for Grade 10

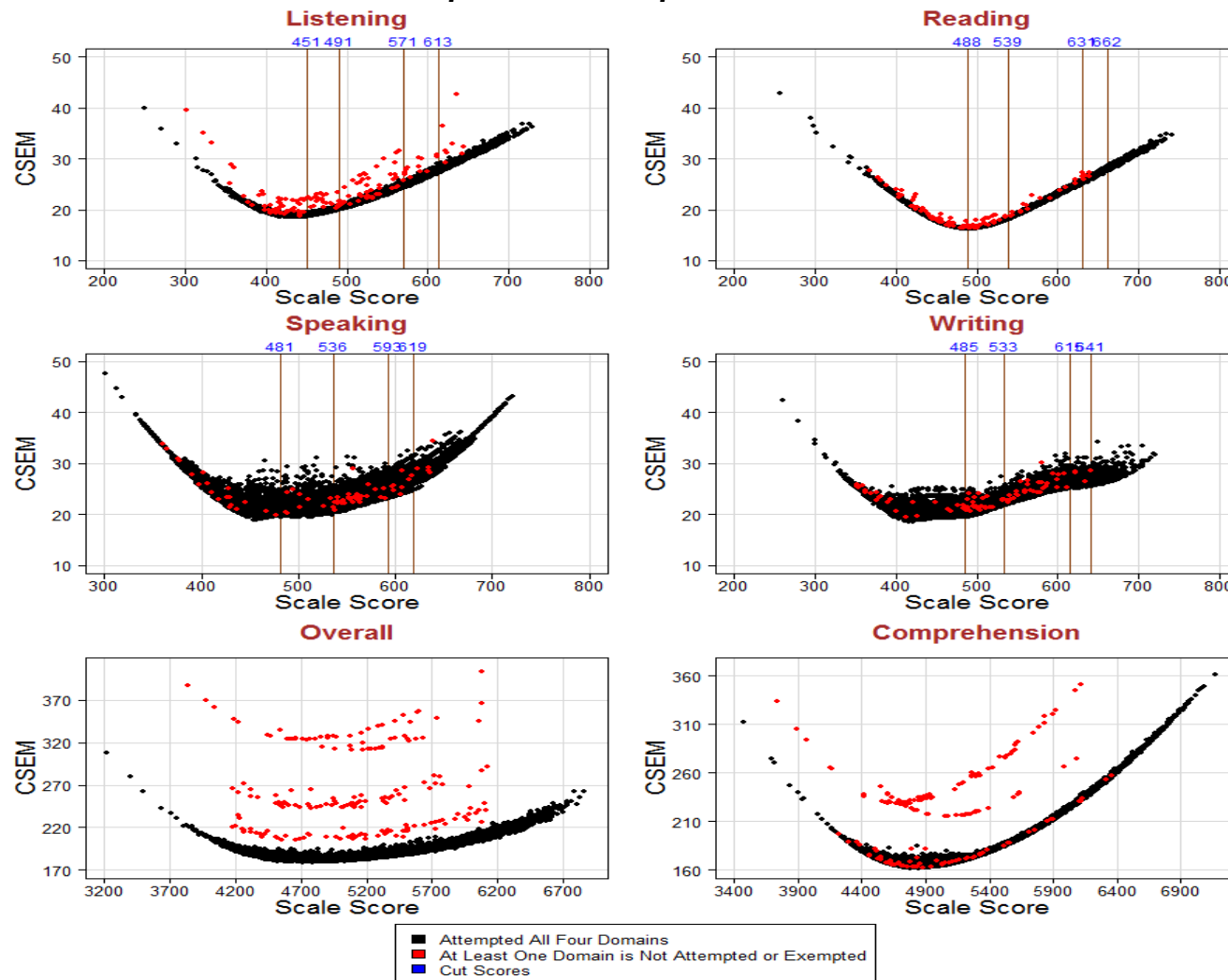


Figure S10.12: Summative Conditional Standard Error of Measurement for Grade 11

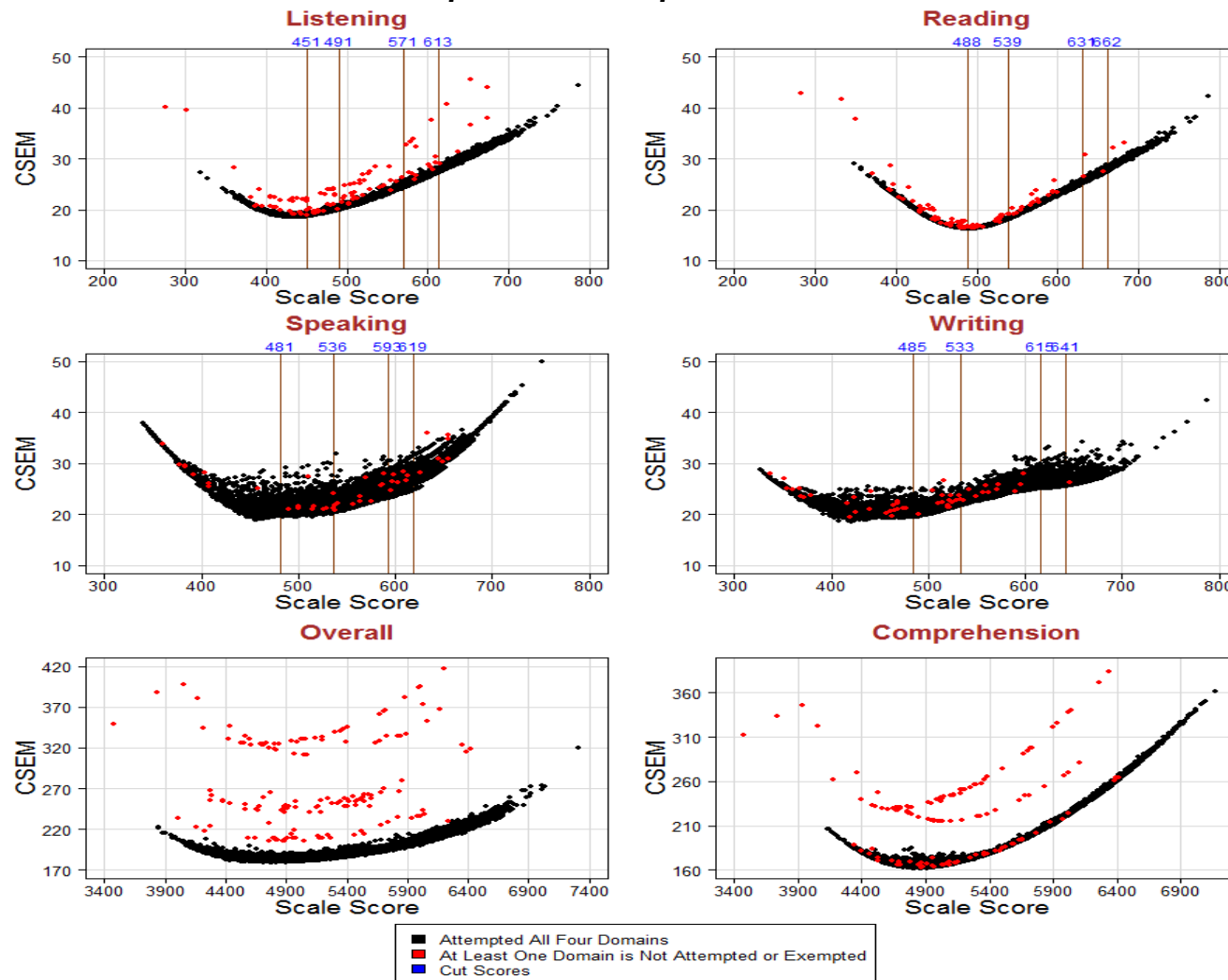
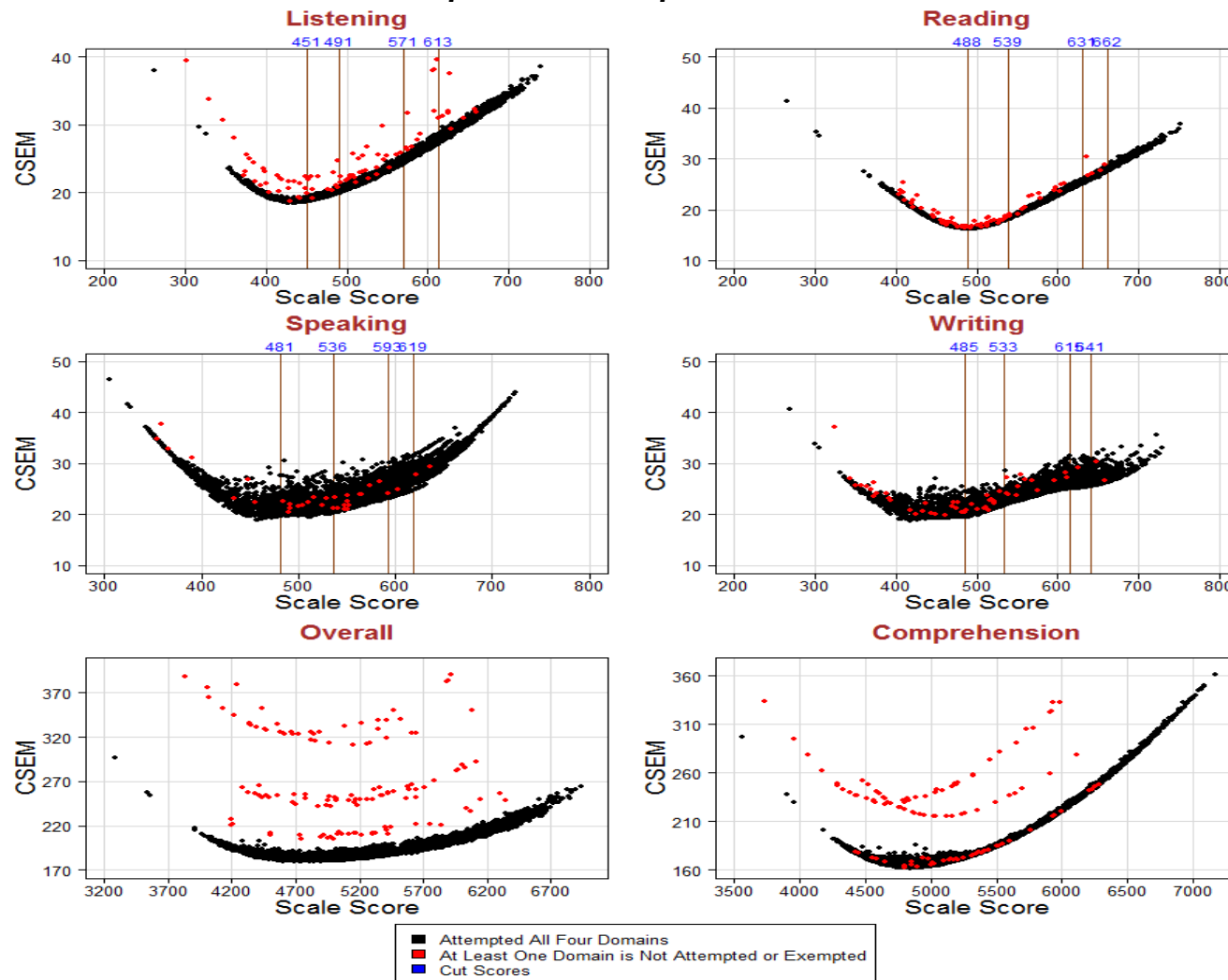


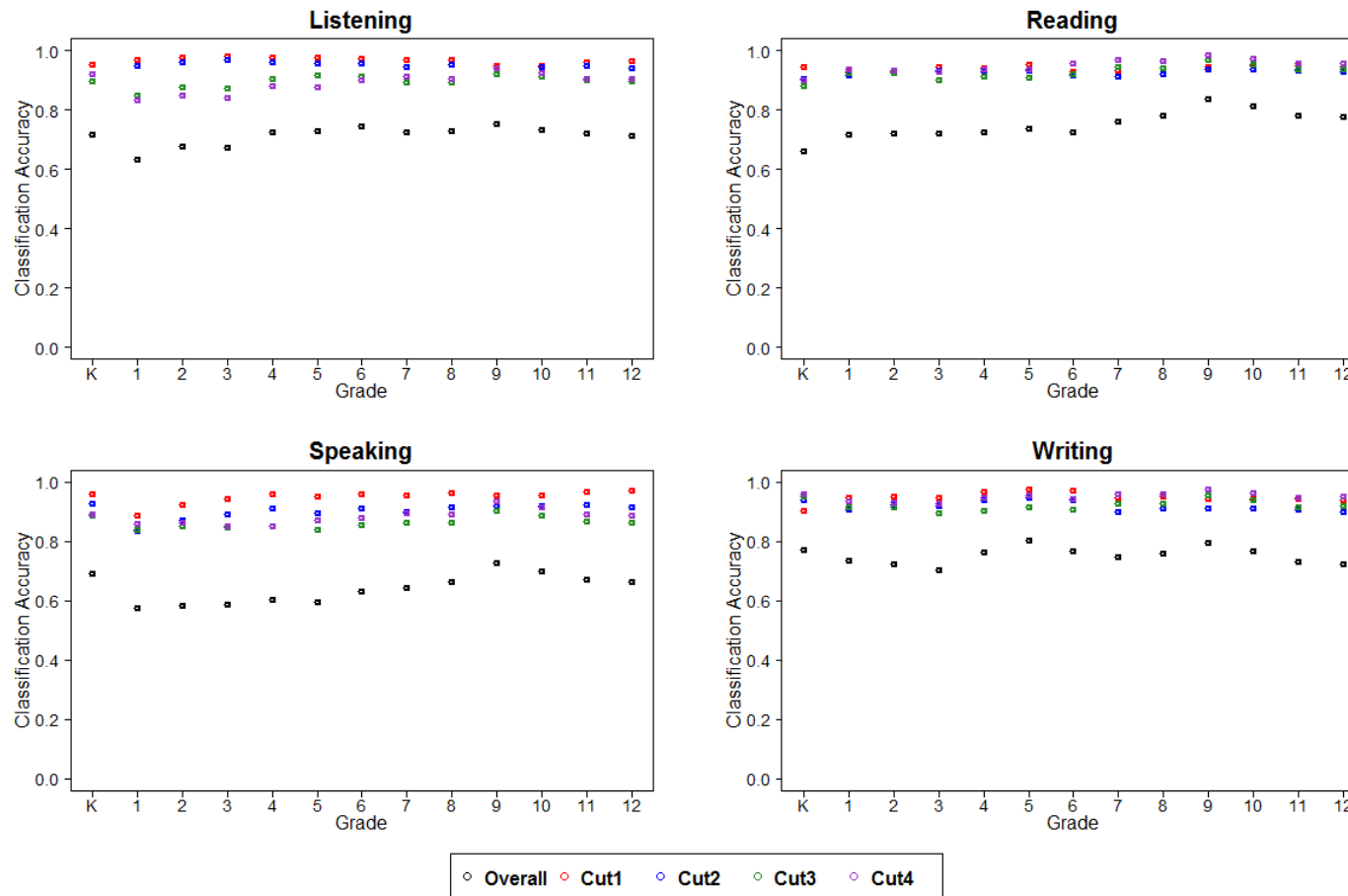
Figure S10.13: Summative Conditional Standard Error of Measurement for Grade 12



Section 11: Summative Assessment - Classification Accuracy and Classification Consistency

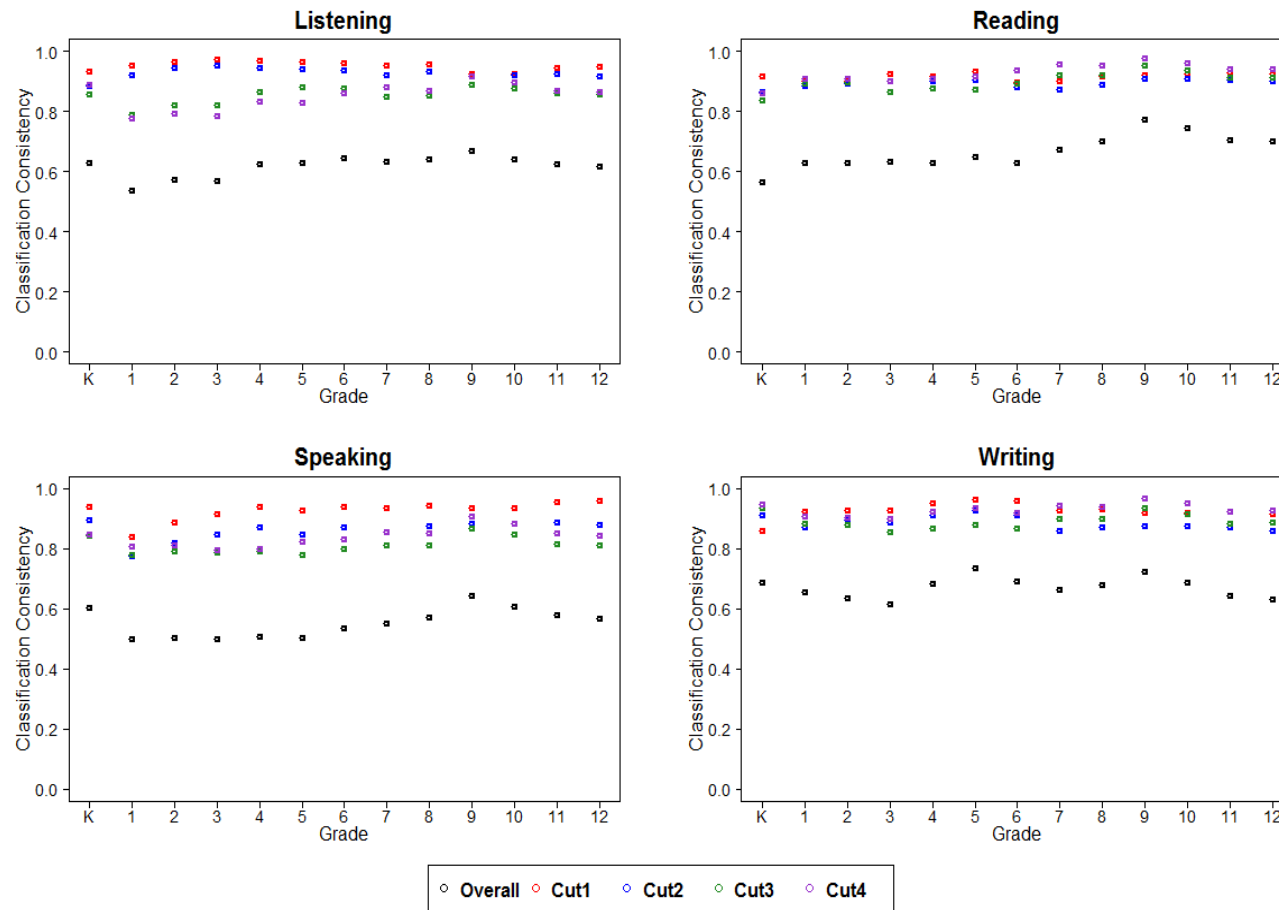
* Domain tests with Exemption or Not Attempted are excluded.

Figure S11.1: Summative Domain Level Classification Accuracy



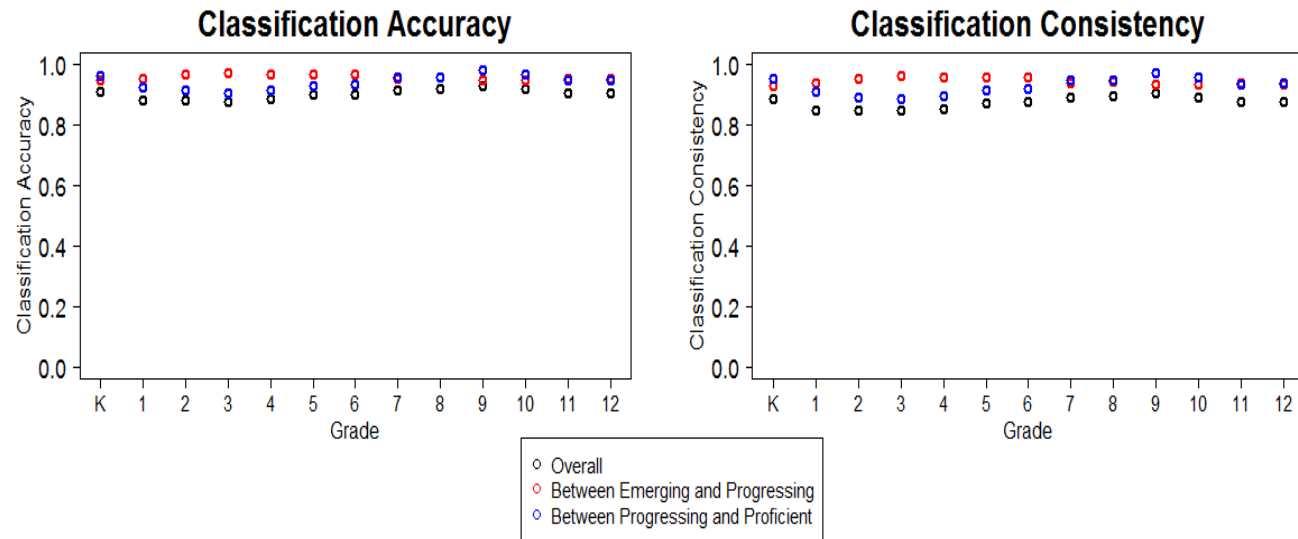
* Cuts 1 to 4 fall between performance levels 1 and 2, 2 and 3, 3 and 4, 4 and 5, respectively. Overall refers to classification with levels 1-5.

Figure S11.2: Summative Domain Level Classification Consistency



* Cuts 1 to 4 fall between performance levels 1 and 2, 2 and 3, 3 and 4, 4 and 5, respectively. Overall refers to classification with levels 1-5.

Figure S11.3: Summative Overall Proficiency Classification



Section 12: Summative Assessment - Inter-Rater Analysis

Table S12.1: Summative Inter-Rater Result - Kindergarten

Domain	Item ID	Score Points	Number FR	Number SR	Percent SR	Weighted Kappa	N			Percent		
							Exact Agreement	within 1 Agreement	Not within 1 Agreement	Exact Agreement	within 1 Agreement	Not within 1 Agreement
Speaking	4216	2	≥27,500	≥5,340	19.4	.777	≥4,660	≥5,140	≥190	87.4	96.4	3.6
	4218	2	≥27,450	≥5,360	19.5	.743	≥4,560	≥5,220	≥130	85.1	97.5	2.5
	4220	2	≥27,430	≥5,370	19.6	.859	≥4,990	≥5,310	≥60	92.8	98.8	1.2
	4222	2	≥27,320	≥5,330	19.5	.750	≥4,250	≥5,250	≥80	79.7	98.5	1.5
	4224	2	≥27,070	≥5,220	19.3	.734	≥3,860	≥5,070	≥150	73.9	97.1	2.9
	4226	2	≥27,220	≥5,300	19.5	.771	≥4,510	≥5,120	≥170	85.1	96.6	3.4
	4244	3	≥26,950	≥5,310	19.7	.811	≥3,500	≥5,240	≥60	66.0	98.7	1.3
	4280	3	≥27,180	≥5,360	19.7	.803	≥3,570	≥5,250	≥110	66.6	97.8	2.2
	4354	3	≥27,310	≥5,400	19.8	.818	≥3,600	≥5,290	≥100	66.7	98.1	1.9
	4370	3	≥27,270	≥5,390	19.8	.815	≥3,610	≥5,320	≥70	67.0	98.6	1.4
	4398	3	≥27,110	≥5,320	19.6	.828	≥4,200	≥5,300	≥10	79.0	99.7	0.3

* FR: First rater; SR: Second rater.

Table S12.2: Summative Inter-Rater Result - Grade 1

Domain	Item ID	Score Points	Number FR	Number SR	Percent SR	Weighted Kappa	N			Percent		
							Exact Agreement	within 1 Agreement	Not within 1 Agreement	Exact Agreement	within 1 Agreement	Not within 1 Agreement
Speaking	578	2	≥27,510	≥5,430	19.7	.808	≥5,050	≥5,380	≥40	93.1	99.1	0.9
	580	2	≥27,460	≥5,420	19.8	.641	≥4,310	≥5,380	≥40	79.5	99.2	0.8
	582	2	≥27,460	≥5,430	19.8	.782	≥5,100	≥5,360	≥70	93.8	98.7	1.3
	584	2	≥27,390	≥5,390	19.7	.645	≥4,220	≥5,310	≥80	78.3	98.4	1.6
	586	2	≥27,440	≥5,420	19.8	.757	≥4,950	≥5,370	≥50	91.4	99.0	1.0
	628	3	≥27,370	≥5,430	19.8	.735	≥3,460	≥5,350	≥70	63.8	98.6	1.4
	704	3	≥27,430	≥5,420	19.8	.873	≥4,410	≥5,360	≥50	81.4	99.0	1.0
	690	4	≥27,370	≥5,420	19.8	.788	≥3,590	≥5,230	≥190	66.2	96.4	3.6
	658	5	≥27,290	≥5,360	19.7	.838	≥2,960	≥5,150	≥210	55.2	96.0	4.0

* FR: First rater; SR: Second rater.

Table S12.3: Summative Inter-Rater Result - Grade Band 2-3

Domain	Item ID	Score Points	Number FR	Number SR	Percent SR	Weighted Kappa	N			Percent		
							Exact Agreement	within 1 Agreement	Not within 1 Agreement	Exact Agreement	within 1 Agreement	Not within 1 Agreement
Speaking	1338	2	≥42,300	≥8,370	19.8	.770	≥7,230	≥8,270	≥100	86.3	98.8	1.2
	1340	2	≥42,330	≥8,400	19.9	.721	≥7,340	≥8,350	≥50	87.4	99.3	0.7
	1342	2	≥42,240	≥8,370	19.8	.799	≥7,530	≥8,290	≥80	90.0	99.0	1.0
	1344	2	≥42,250	≥8,380	19.8	.722	≥7,330	≥8,290	≥80	87.5	99.0	1.0
	1346	2	≥42,200	≥8,360	19.8	.715	≥7,530	≥8,210	≥140	90.1	98.2	1.8
	1396	3	≥42,240	≥8,370	19.8	.826	≥6,000	≥8,310	≥60	71.7	99.3	0.7
	1424	3	≥42,170	≥8,390	19.9	.793	≥6,060	≥8,300	≥80	72.3	98.9	1.1
	1454	4	≥42,200	≥8,360	19.8	.882	≥5,990	≥8,110	≥250	71.6	97.0	3.0
	1436	5	≥42,150	≥8,320	19.7	.857	≥5,130	≥8,100	≥210	61.7	97.4	2.6
Writing	1490	3	≥42,100	≥7,360	17.5	.869	≥5,850	≥7,250	≥110	79.5	98.5	1.5
	1504	3	≥42,100	≥6,750	16.1	.861	≥5,390	≥6,650	≥100	79.8	98.4	1.6
	1462	4	≥41,760	≥8,130	19.5	.854	≥5,970	≥7,930	≥190	73.5	97.6	2.4
	1588	4	≥41,900	≥8,220	19.6	.859	≥5,800	≥8,140	≥70	70.6	99.0	1.0

* FR: First rater; SR: Second rater.

Table S12.4: Summative Inter-Rater Result - Grade Band 4-5

Domain	Item ID	Score Points	Number FR	Number SR	Percent SR	Weighted Kappa	N			Percent		
							Exact Agreement	within 1 Agreement	Not within 1 Agreement	Exact Agreement	within 1 Agreement	Not within 1 Agreement
Speaking	2112	3	≥30,220	≥5,970	19.8	.818	≥4,590	≥5,940	≥30	76.8	99.4	0.6
	2118	3	≥30,380	≥6,050	19.9	.679	≥3,930	≥5,990	≥50	65.1	99.1	0.9
	2190	3	≥30,150	≥5,970	19.8	.892	≥5,160	≥5,870	≥90	86.5	98.5	1.5
	2192	3	≥30,150	≥5,960	19.8	.817	≥4,680	≥5,900	≥50	78.5	99.1	0.9
	2194	3	≥30,130	≥5,950	19.8	.711	≥4,140	≥5,900	≥40	69.6	99.2	0.8
	2094	5	≥30,200	≥5,980	19.8	.830	≥4,070	≥5,650	≥320	68.1	94.5	5.5
	2096	5	≥30,220	≥5,980	19.8	.828	≥3,800	≥5,830	≥140	63.6	97.5	2.5
	2204	5	≥30,170	≥5,950	19.7	.812	≥3,460	≥5,790	≥160	58.1	97.2	2.8
Writing	2368	3	≥30,050	≥5,440	18.1	.883	≥4,310	≥5,370	≥60	79.3	98.8	1.2
	2370	3	≥30,000	≥5,430	18.1	.880	≥4,200	≥5,370	≥50	77.5	99.0	1.0
	2372	3	≥30,010	≥5,530	18.4	.876	≥4,280	≥5,450	≥80	77.4	98.6	1.4
	2338	4	≥30,060	≥5,940	19.8	.810	≥3,870	≥5,820	≥110	65.1	98.0	2.0
	2308	5	≥30,070	≥5,890	19.6	.858	≥4,010	≥5,820	≥70	68.1	98.7	1.3

* FR: First rater; SR: Second rater.

Table S12.5: Summative Inter-Rater Result - Grade Band 6-8

Domain	Item ID	Score Points	Number FR	Number SR	Percent SR	Weighted Kappa	N			Percent		
							Exact Agreement	within 1 Agreement	Not within 1 Agreement	Exact Agreement	within 1 Agreement	Not within 1 Agreement
Speaking	2674	3	≥35,890	≥6,960	19.4	.776	≥4,880	≥6,920	≥40	70.0	99.3	0.7
	2688	3	≥35,820	≥7,000	19.6	.870	≥6,150	≥6,890	≥110	87.8	98.4	1.6
	2690	3	≥35,710	≥6,980	19.6	.875	≥5,820	≥6,900	≥80	83.3	98.8	1.2
	2692	3	≥35,690	≥6,960	19.5	.850	≥5,690	≥6,850	≥100	81.8	98.5	1.5
	2650	5	≥35,750	≥6,990	19.6	.909	≥5,160	≥6,880	≥100	73.9	98.4	1.6
	2652	5	≥35,670	≥6,980	19.6	.855	≥4,980	≥6,830	≥140	71.4	97.9	2.1
	2710	5	≥35,730	≥6,950	19.4	.881	≥4,480	≥6,750	≥190	64.5	97.2	2.8
Writing	2780	3	≥35,720	≥6,960	19.5	.824	≥4,620	≥6,870	≥80	66.4	98.7	1.3
	2824	3	≥35,900	≥6,690	18.6	.861	≥5,130	≥6,630	≥50	76.8	99.2	0.8
	2826	3	≥35,850	≥6,720	18.8	.868	≥5,150	≥6,670	≥40	76.6	99.3	0.7
	2828	3	≥35,850	≥6,760	18.9	.868	≥5,220	≥6,720	≥40	77.2	99.3	0.7
	2756	5	≥35,690	≥6,950	19.5	.841	≥4,350	≥6,790	≥150	62.7	97.7	2.3
	2790	5	≥35,860	≥7,010	19.6	.866	≥4,730	≥6,950	≥60	67.5	99.1	0.9

* FR: First rater; SR: Second rater.

Table S12.6: Summative Inter-Rater Result - Grade Band 9-12

Domain	Item ID	Score Points	Number FR	Number SR	Percent SR	Weighted Kappa	N			Percent		
							Exact Agreement	within 1 Agreement	Not within 1 Agreement	Exact Agreement	within 1 Agreement	Not within 1 Agreement
Speaking	3364	3	≥45,050	≥8,640	19.2	.830	≥6,620	≥8,560	≥80	76.6	99.1	0.9
	3394	3	≥44,760	≥8,590	19.2	.842	≥6,440	≥8,480	≥110	75.0	98.7	1.3
	3396	3	≥44,550	≥8,560	19.2	.820	≥6,130	≥8,410	≥150	71.6	98.2	1.8
	3398	3	≥44,590	≥8,570	19.2	.778	≥5,850	≥8,480	≥80	68.3	99.0	1.0
	3348	5	≥44,740	≥8,630	19.3	.866	≥5,630	≥8,220	≥410	65.3	95.2	4.8
	3350	5	≥44,510	≥8,560	19.2	.905	≥5,860	≥8,340	≥210	68.5	97.5	2.5
	3408	5	≥44,720	≥8,530	19.1	.877	≥5,280	≥8,320	≥210	61.8	97.5	2.5
Writing	3492	3	≥44,500	≥8,580	19.3	.749	≥5,680	≥8,440	≥140	66.2	98.3	1.7
	3504	3	≥44,890	≥8,210	18.3	.888	≥6,660	≥8,140	≥70	81.1	99.1	0.9
	3506	3	≥44,780	≥8,250	18.4	.878	≥6,560	≥8,180	≥70	79.5	99.1	0.9
	3508	3	≥44,840	≥8,340	18.6	.874	≥6,650	≥8,260	≥70	79.7	99.1	0.9
	3452	5	≥44,510	≥8,550	19.2	.853	≥5,420	≥8,390	≥150	63.4	98.2	1.8
	3500	5	≥44,810	≥8,650	19.3	.869	≥5,610	≥8,540	≥100	64.9	98.8	1.2

* FR: First rater; SR: Second rater.

Section 13: Summative Assessment - Dimensionality

Figure S13.1: Summative Validity - Dimensionality for Kindergarten

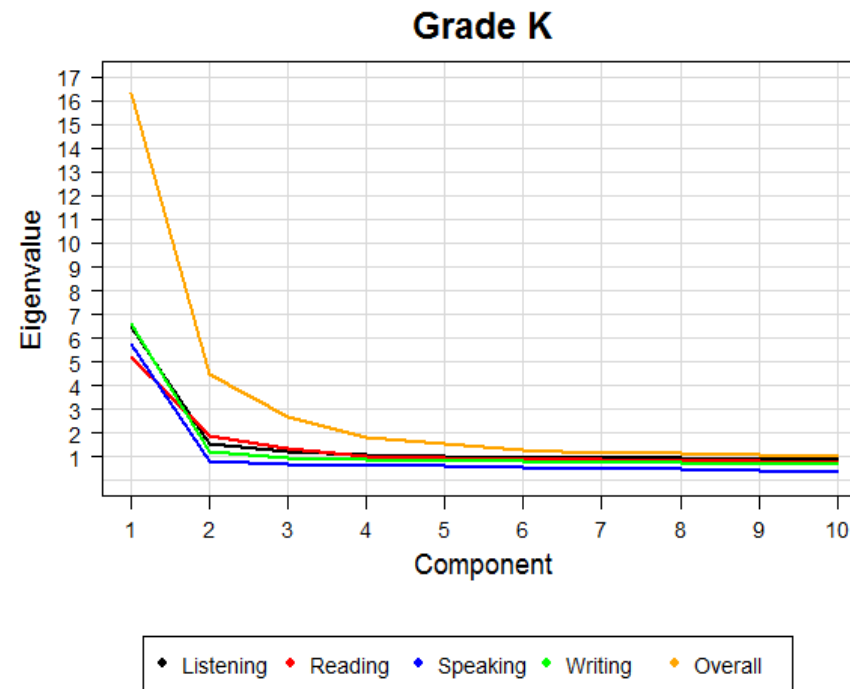


Figure S13.2: Summative Validity - Dimensionality for Grade 1

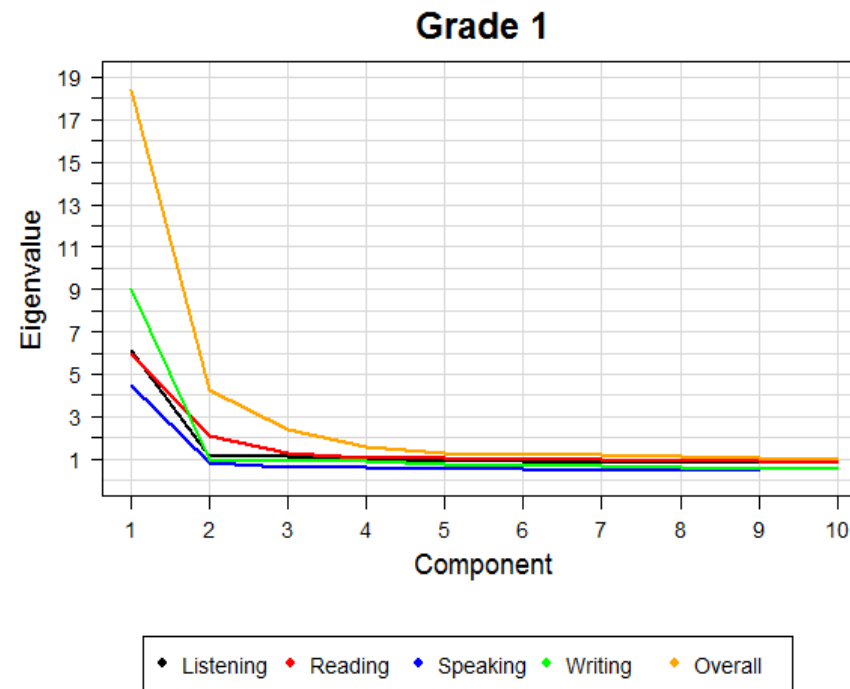


Figure S13.3: Summative Validity - Dimensionality for Grade Band 2-3

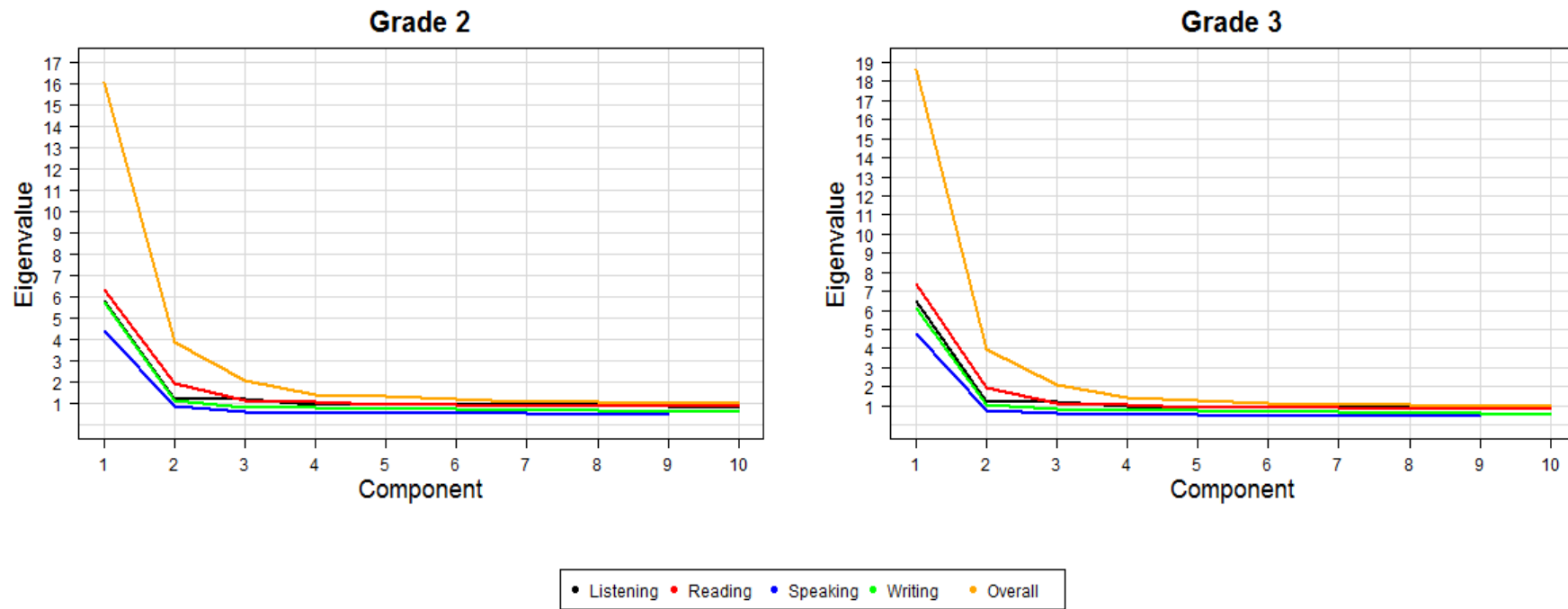


Figure S13.4: Summative Validity - Dimensionality for Grade Band 4-5

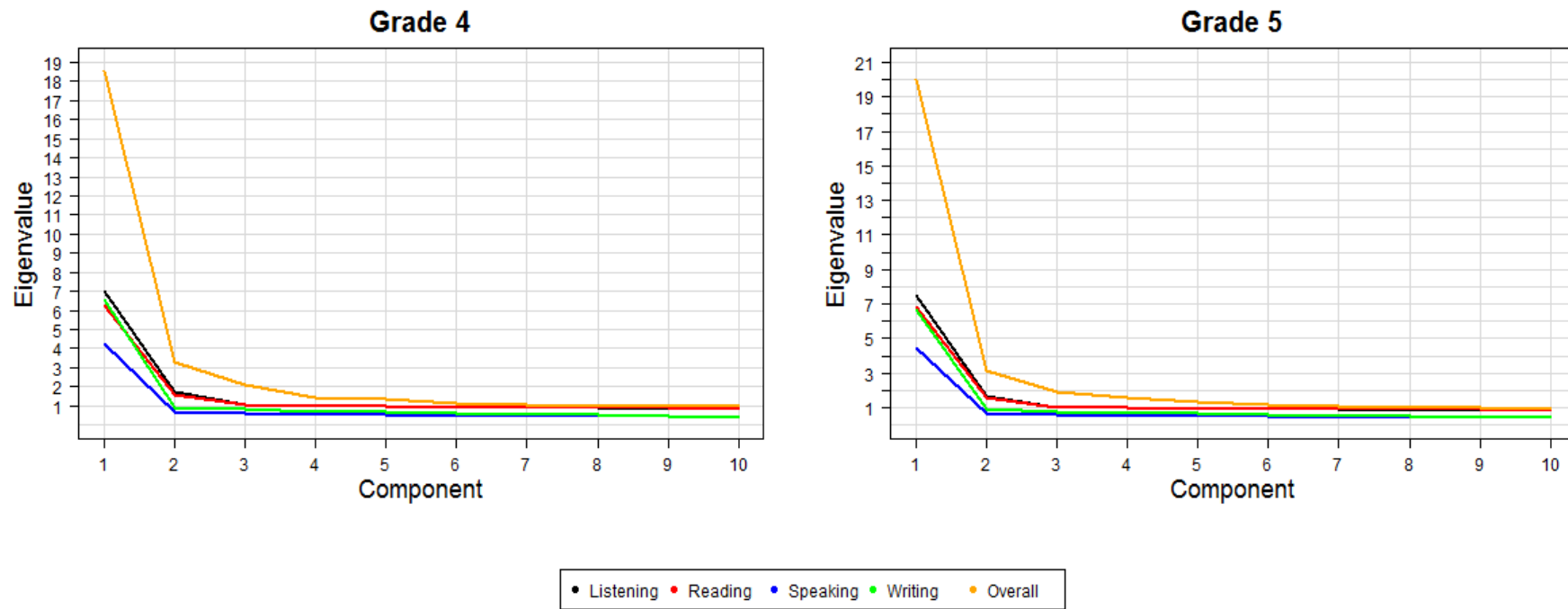


Figure S13.5: Summative Validity - Dimensionality for Grade Band 6-8

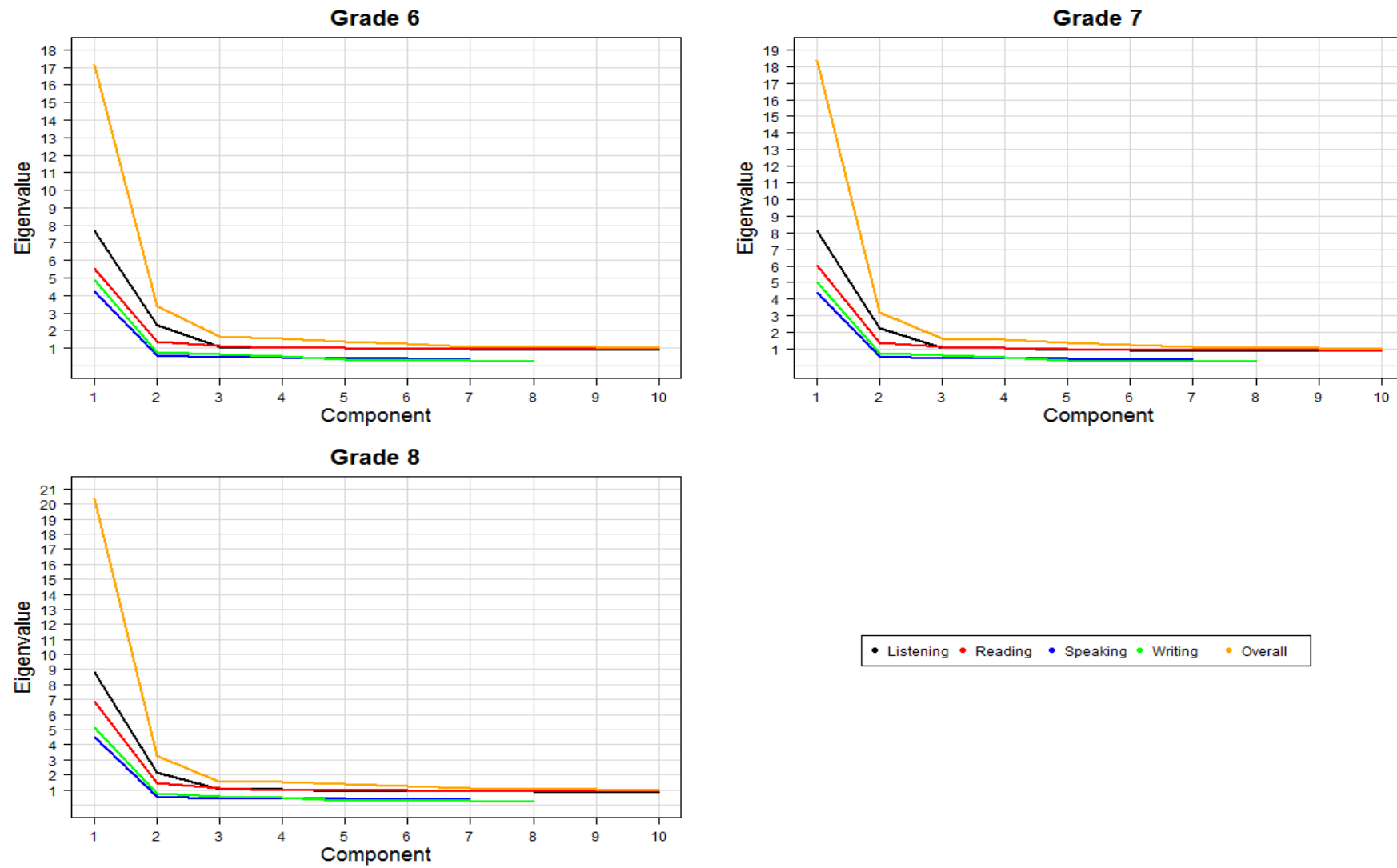
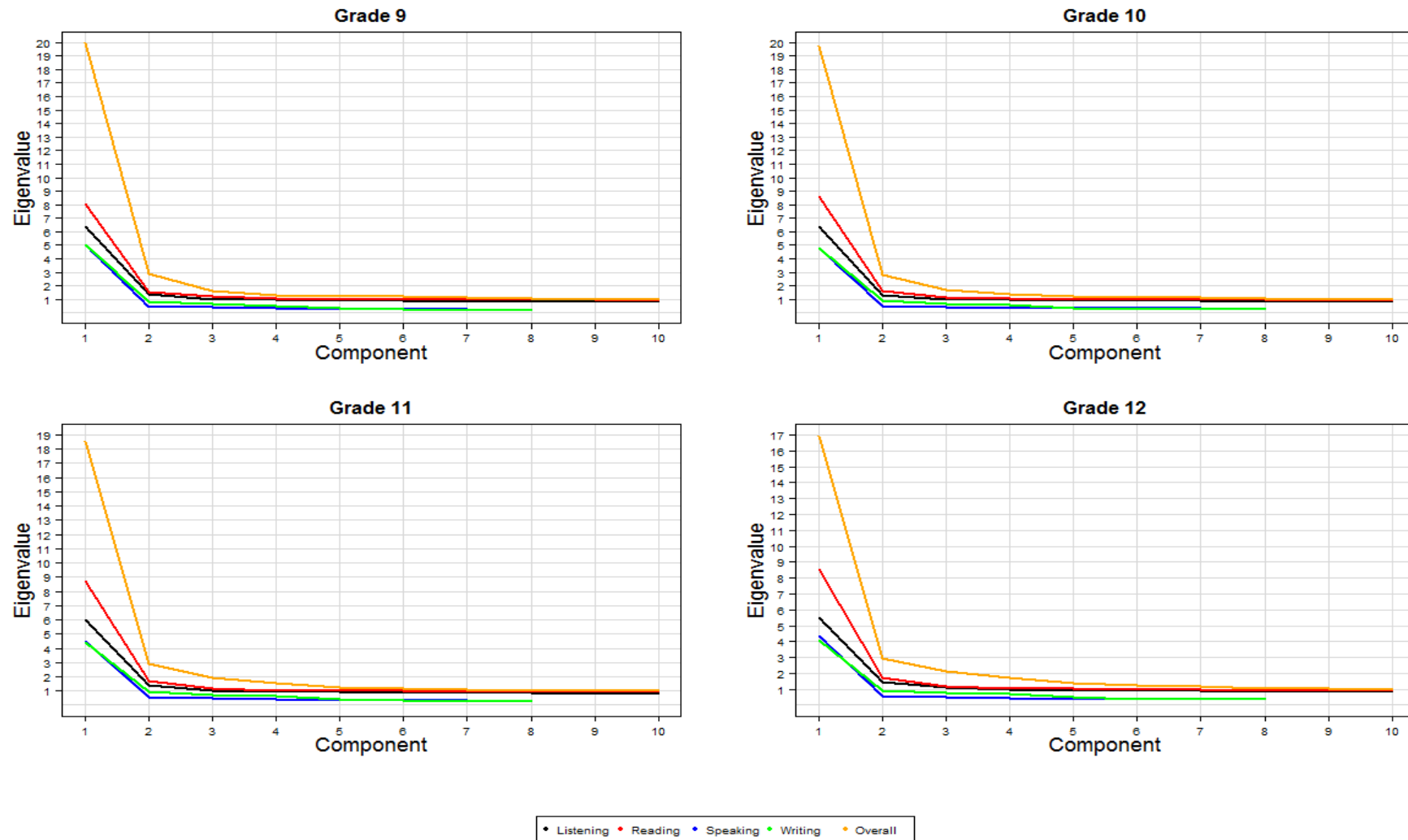


Figure S13.6: Summative Validity - Dimensionality for Grade Band 9-12



Section 14: Summative Assessment - Ability vs. Difficulty

Figure S14.1: Summative Validity - Ability vs. Difficulty for Kindergarten

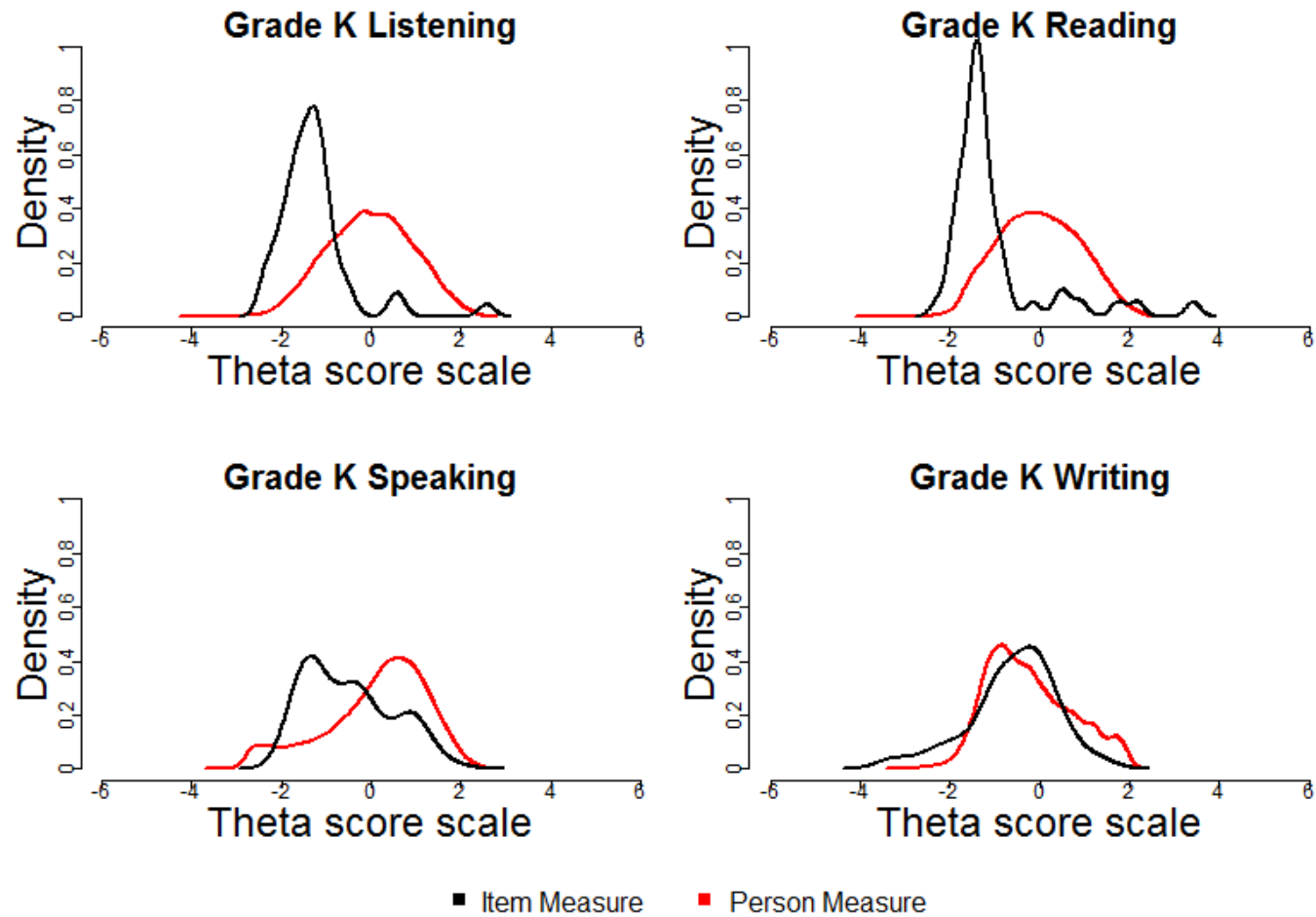


Figure S14.2: Summative Validity - Ability vs. Difficulty for Grade 1

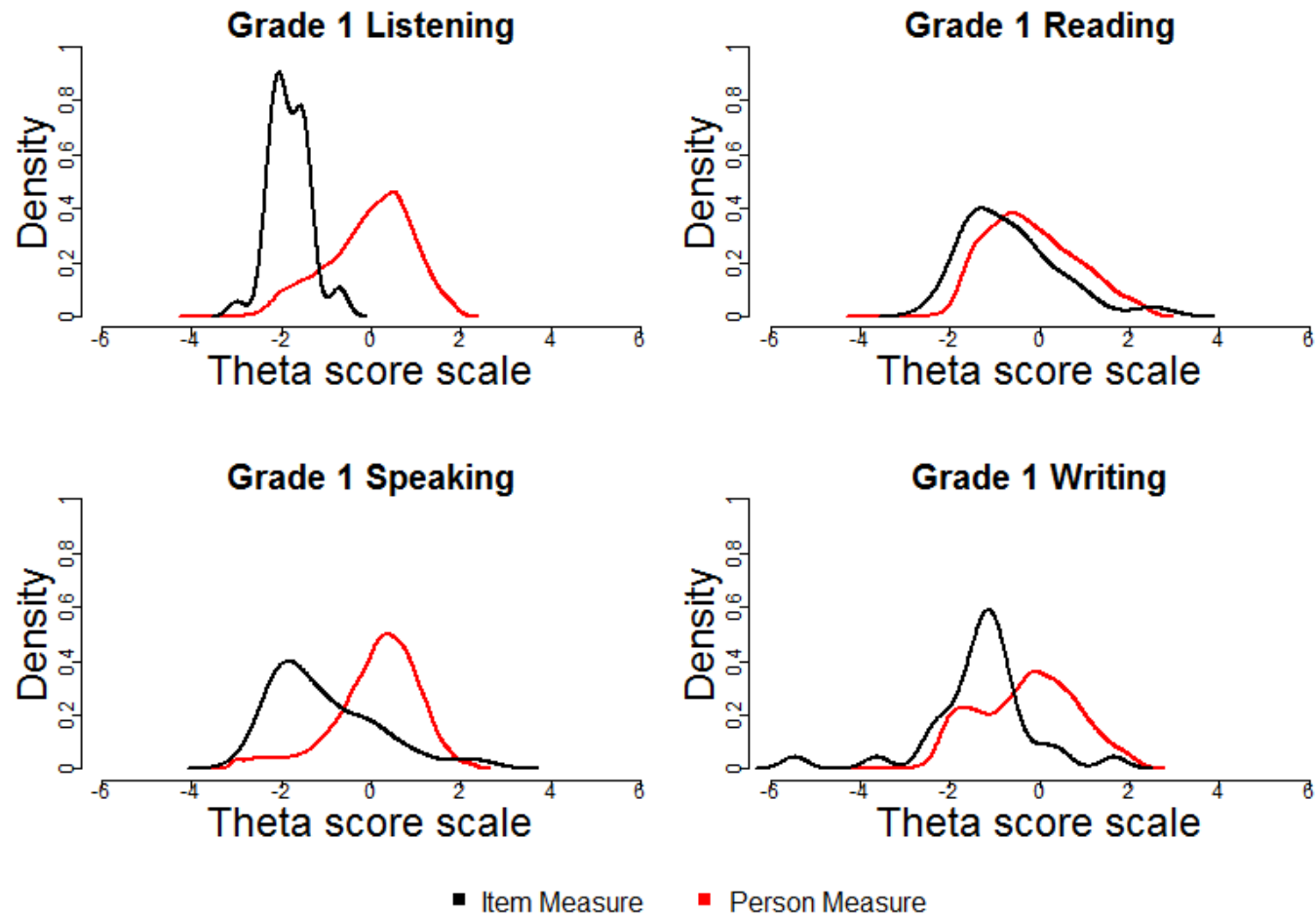


Figure S14.3: Summative Validity - Ability vs. Difficulty for Grade Band 2-3

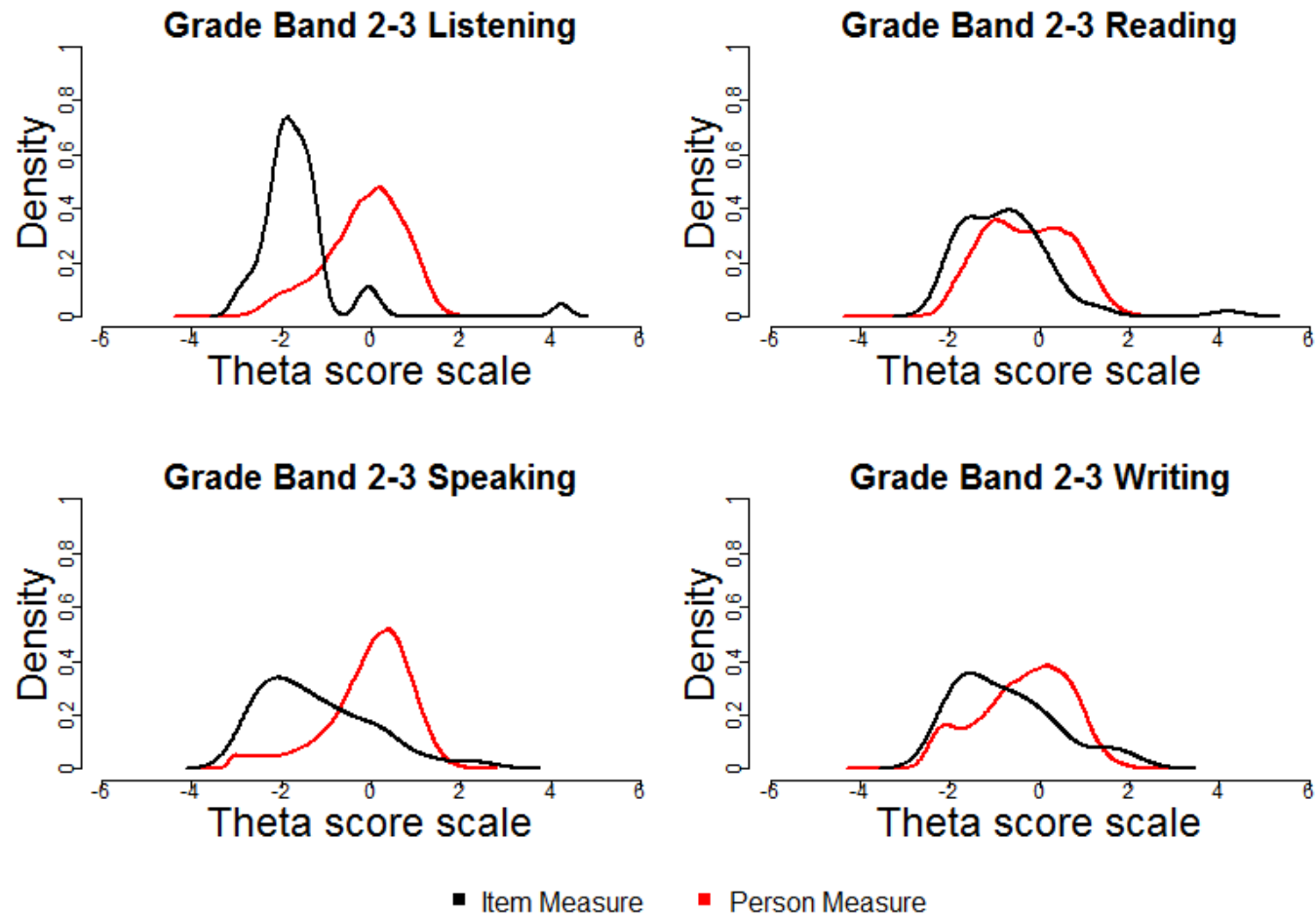


Figure S14.4: Summative Validity - Ability vs. Difficulty for Grade Band 4-5

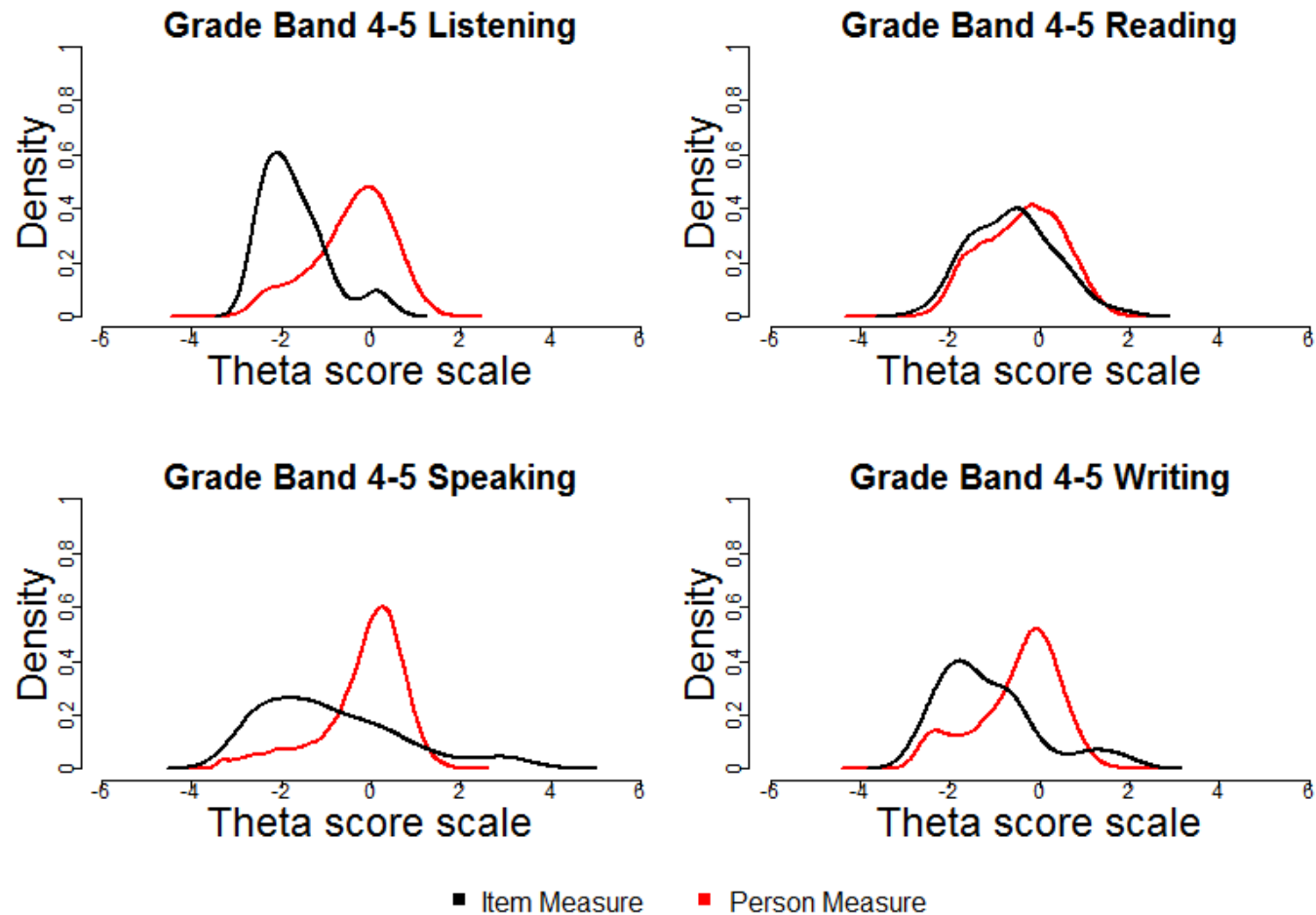


Figure S14.5: Summative Validity - Ability vs. Difficulty for Grade Band 6-8

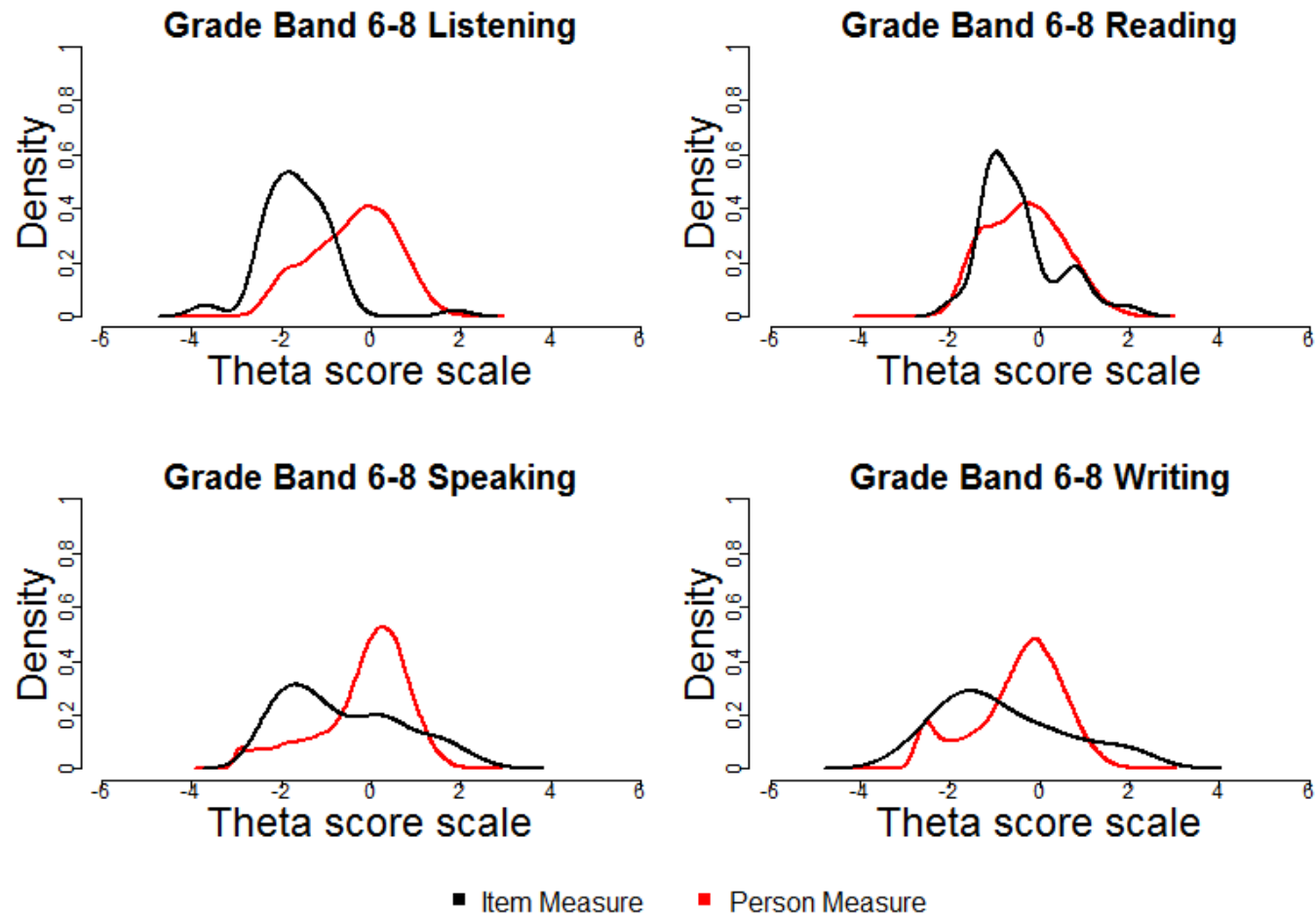
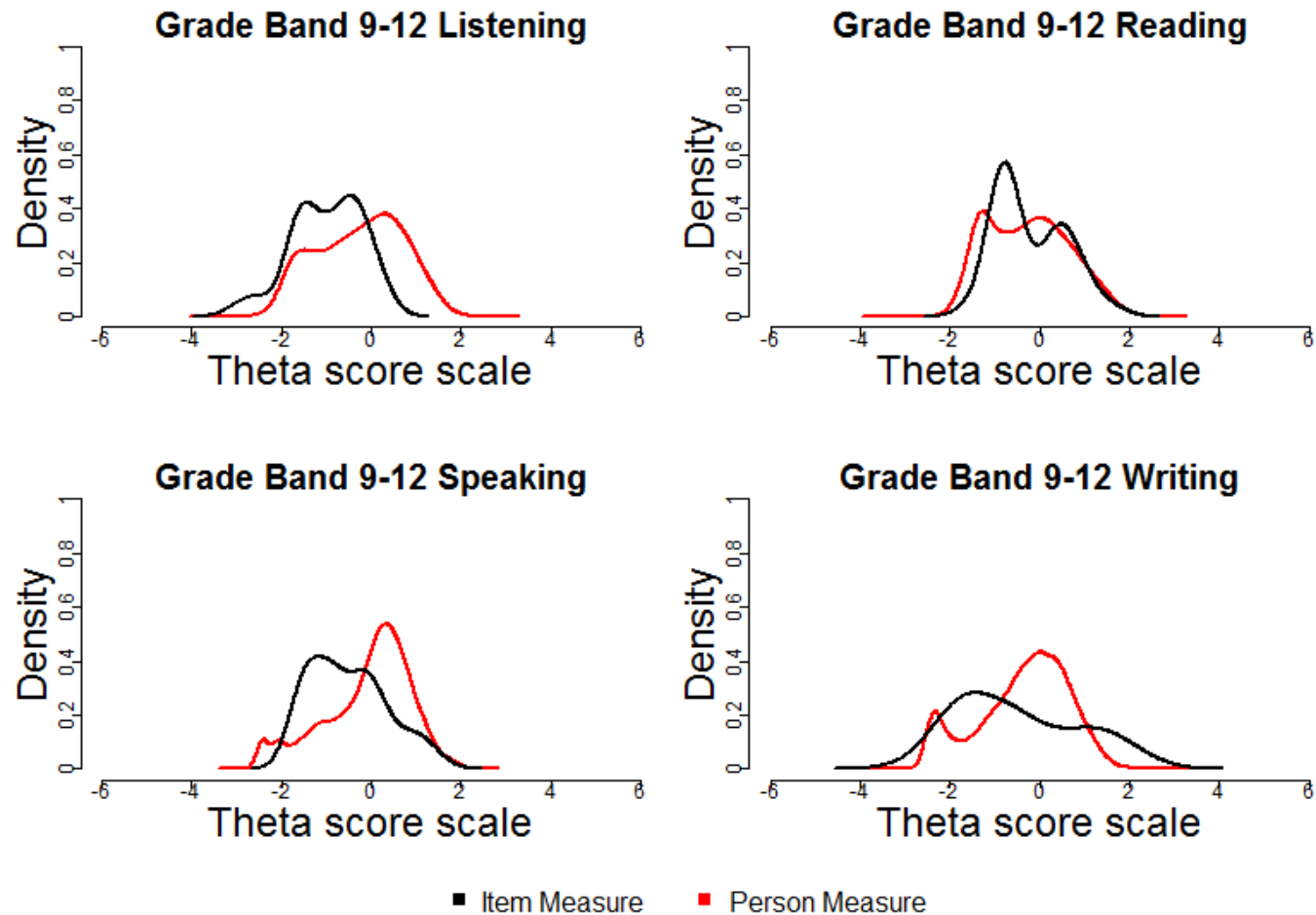


Figure S14.6: Summative Validity - Ability vs. Difficulty for Grade Band 9-12



Section 15: Summative Assessment - Mock Ups for Reporting

* Refer to the Appendix for each individual state