

Written Examinations

During this reporting period, 916 CDT written examinations were administered. Figure 1 shows a breakdown of the total number of written examinations administered.

Figure 1

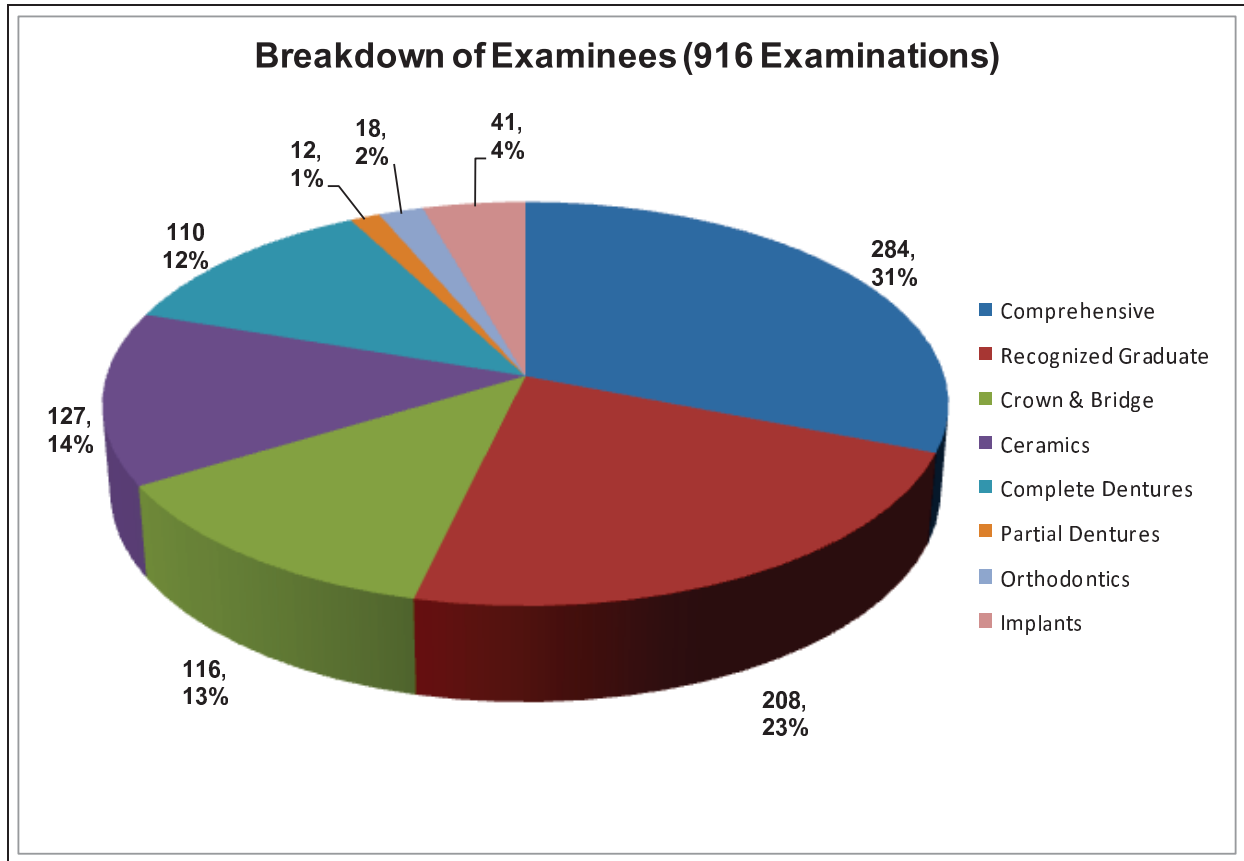


Figure 2

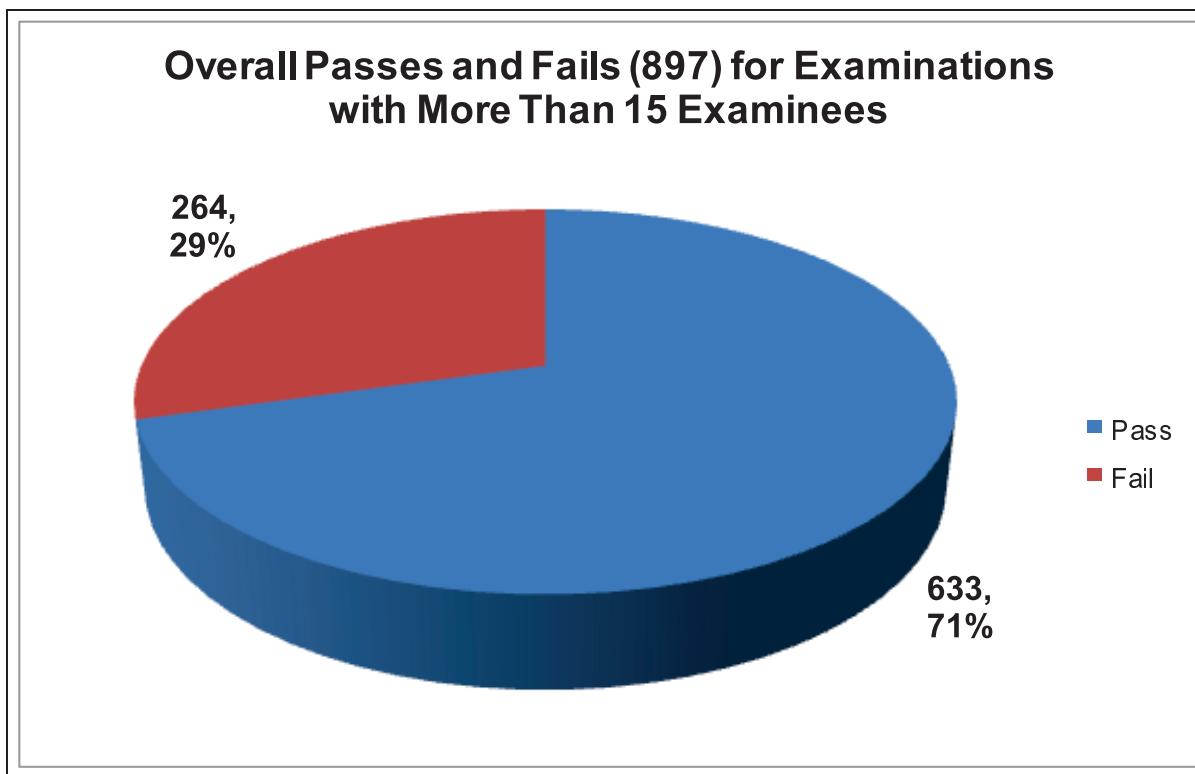


Figure 2 above shows the overall Pass and Fail results for all written exams.

Figures 3 – 11 show the percentages of passes to fails for each examination. Tables 3 – 18 present summary data for each examination. The minimum passing scores are noted as MPS. The data are reported separately for the passing, failing, and total group of candidates. Values reported for each group include the number of candidates, their average raw score, their average percentage correct score, the standard deviation of the raw scores, the lowest raw score, the median raw score, the highest raw score, and the percentage of the total group who passed and failed the examination (Rate).

Comprehensive Examination

There were two forms used for the Comprehensive Examination during 2013, Form 8 and Form 9.

Figure 3

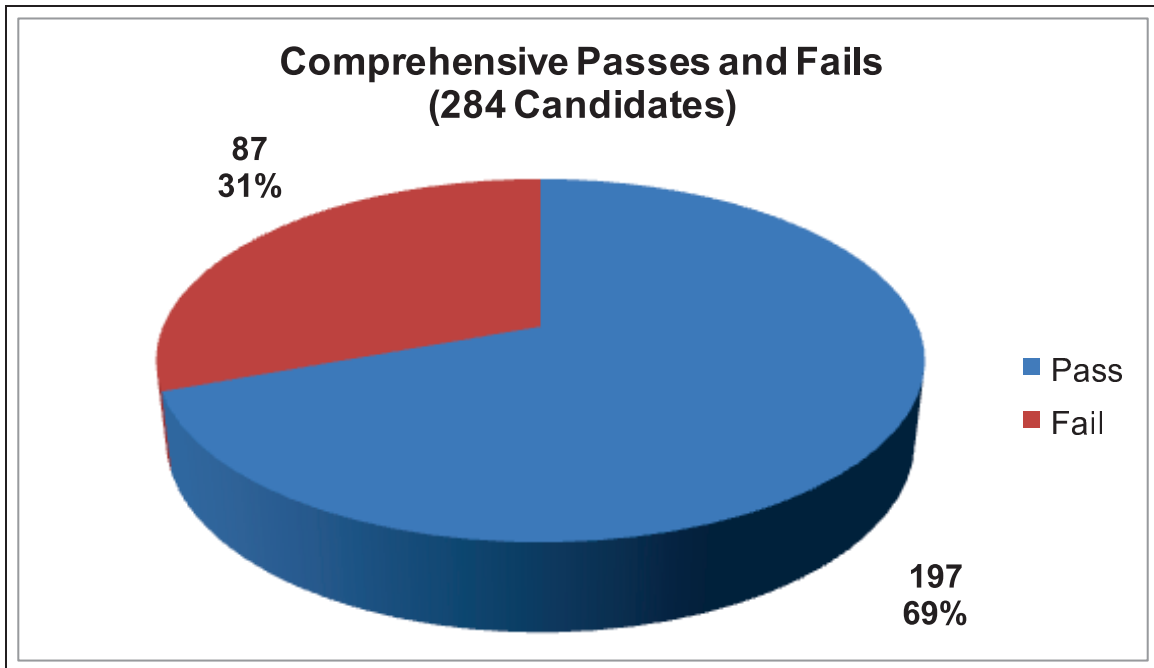


Table 3

Comprehensive Form 8 Summary Statistics

	<u>n</u>	<u>Avg</u>	<u>% Avg</u>	<u>Std Dev</u>	<u>Lowest</u>	<u>Median</u>	<u>Highest</u>
Passing	94	120.0	75%	11.1	103	119	146
Failing	43	90.2	56%	9.2	64	93	102
Total	137	110.6	69%	17.4	64	110	146

This was an upper-lower analysis based on a mastery cutoff percentage of 64.37.

Table 4

Comprehensive Form 9 Summary Statistics

	<u>n</u>	<u>Avg</u>	<u>% Avg</u>	<u>Std Dev</u>	<u>Lowest</u>	<u>Median</u>	<u>Highest</u>
Passing	103	122.1	76%	11.5	103	122	151
Failing	44	88.0	55%	13.7	43	93	101
Total	147	111.9	70%	19.8	43	114	151

This was an upper-lower analysis based on a mastery cutoff percentage of 64.37.

Forms 8 and 9 had passing rates similar to previous years. Form 9 provides an opportunity to examine the impact of a scrambled test form. That is, if the passing rate decreased sharply, then the test security would need to be reexamined. The passing rate actually increased slightly (possibly due to sample size differences) so there does not seem to be obvious issues in security based on item order. The use of scrambled forms is a good strategy for added security in any testing program.

Recognized Graduate Examination

Figure 4

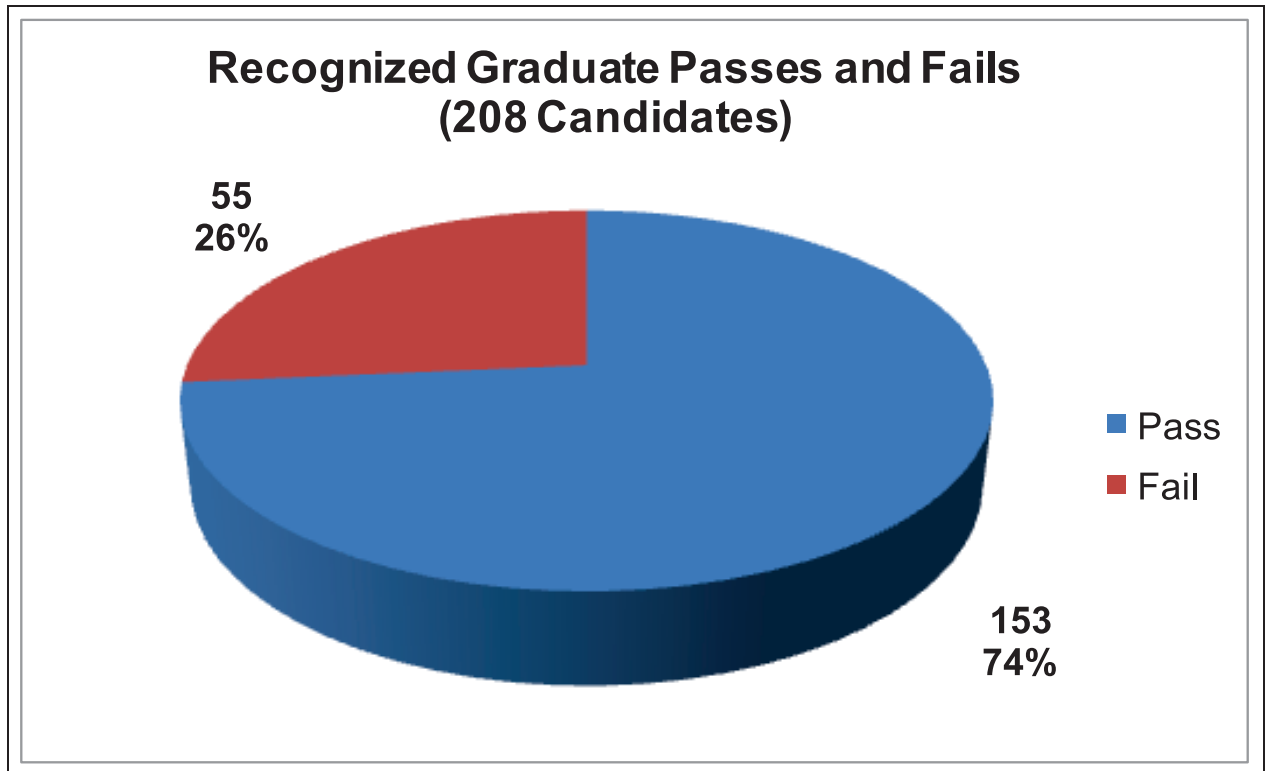


Table 5

Recognized Graduate Form 8 Summary Statistics

	<u>n</u>	<u>Avg</u>	<u>% Avg</u>	<u>Std Dev</u>	<u>Lowest</u>	<u>Median</u>	<u>Highest</u>
Passing	140	124.7	78%	12.9	103	125	155
Failing	49	91.3	57%	9.0	59	94	102
Total	189	116.1	73%	18.9	59	118	155

This was an upper-lower analysis based on a mastery cutoff percentage of 64.37.

Table 6

Recognized Graduate Form 9 Summary Statistics

	<u>n</u>	<u>Avg</u>	<u>% Avg</u>	<u>Std Dev</u>	<u>Lowest</u>	<u>Median</u>	<u>Highest</u>
Passing	13	117.0	73%	11.1	103	113	137
Failing	6	82.2	51%	10.5	70	81	97
Total	19	106.0	66%	19.5	70	107	137

This was an upper-lower analysis based on a mastery cutoff percentage of 64.37.

The RG average passing rate is typically higher than the CO passing rate so this finding is consistent with previous years.

Comprehensive and Recognized Graduate Examinations Combined

Figure 5

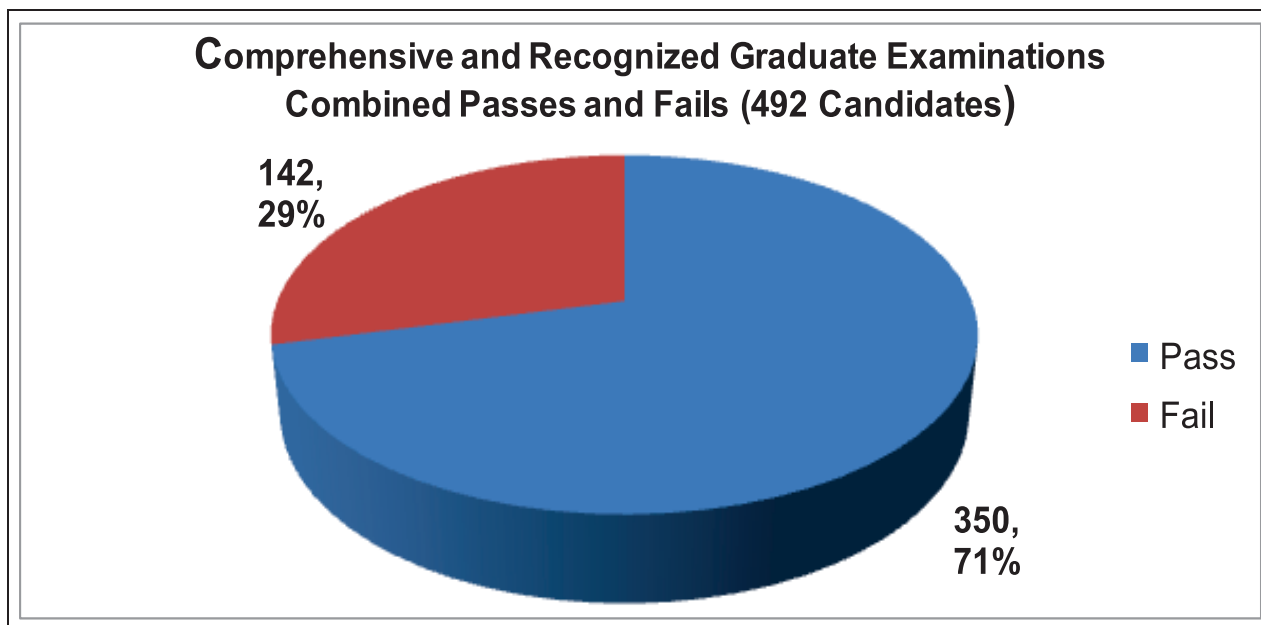


Table 7

Comprehensive and Recognized Graduate Combined Form 8 Summary Statistics (MPS = 64.37)

	<u>n</u>	<u>Avg</u>	<u>% Avg</u>	<u>Std Dev</u>	<u>Lowest</u>	<u>Median</u>	<u>Highest</u>
Passing	234	122.8	77%	12.4	103	122	155
Failing	92	90.8	57%	9.1	59	94	102
Total	326	113.8	71%	18.5	59	115	155

Table 8

Comprehensive and Recognized Graduate Combined Form 9 Summary Statistics (MPS = 64.37)

	<u>n</u>	<u>Avg</u>	<u>% Avg</u>	<u>Std Dev</u>	<u>Lowest</u>	<u>Median</u>	<u>Highest</u>
Passing	116	121.5	76%	11.6	103	122	151
Failing	50	87.3	55%	13.5	43	91	101
Total	166	111.2	70%	19.9	43	112	151

The passing rate for the combined group of Comprehensive and RG candidates was 71% which is similar to previous years.

Complete Denture Examination

Figure 6

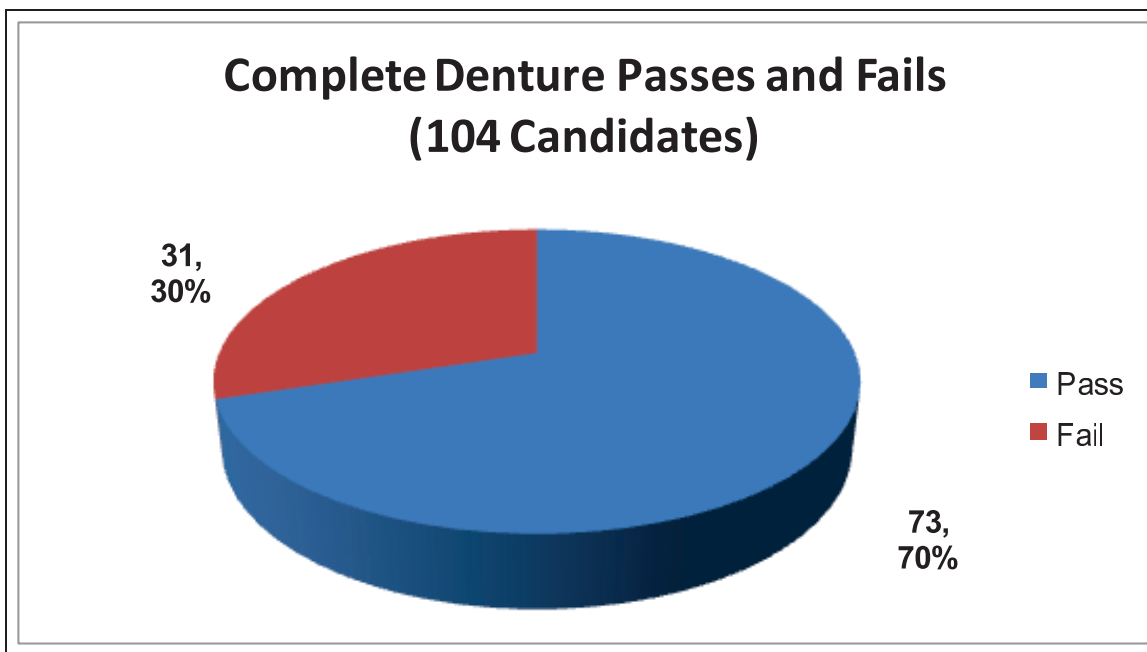


Table 9

Complete Denture Form 7 Summary Statistics (MPS = 67.5)

	<u>n</u>	<u>Avg</u>	<u>% Avg</u>	<u>Std Dev</u>	<u>Lowest</u>	<u>Median</u>	<u>Highest</u>
Passing	39	61.9	77%	5.1	54	61	71
Failing	17	46.9	59%	6.5	27	50	53
Total	56	57.4	72%	8.8	27	59	71

Table 10

Complete Denture Form 8 Summary Statistics (MPS = 67.5)

	<u>n</u>	<u>Avg</u>	<u>% Avg</u>	<u>Std Dev</u>	<u>Lowest</u>	<u>Median</u>	<u>Highest</u>
Passing	34	61.3	77%	5.0	54	61	72
Failing	14	48.4	60%	4.3	35	49	53
Total	48	57.5	72%	7.6	35	58	72

Partial Denture Examination

Figure 7

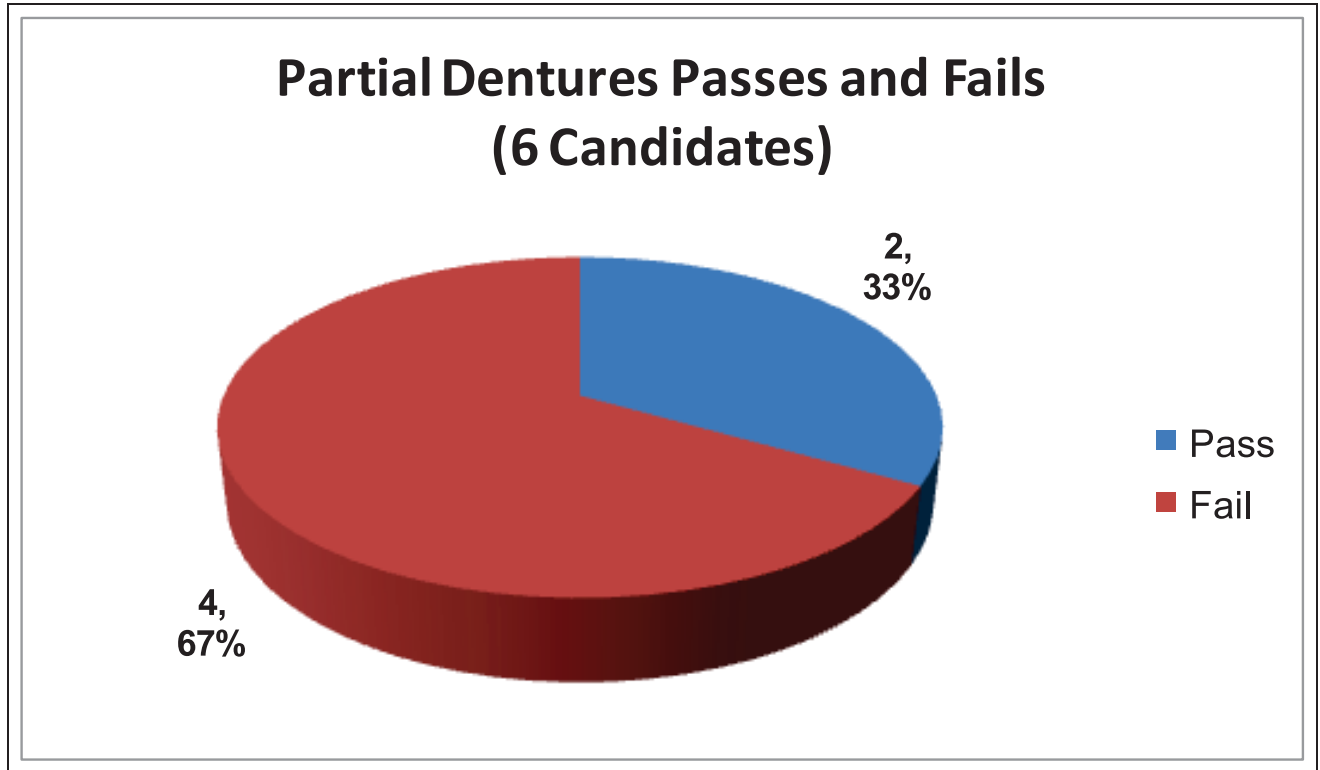


Table 11

Partial Denture Form 8 Summary Statistics

	<u>n</u>	<u>Avg</u>	<u>% Avg</u>	<u>Std Dev</u>	<u>Lowest</u>	<u>Median</u>	<u>Highest</u>
Passing	2	53.0	66%	3.0	50	53	56
Failing	4	44.8	56%	1.1	43	45	46
Total	6	47.5	59%	4.3	43	46	56

Ceramics Examination

Figure 8

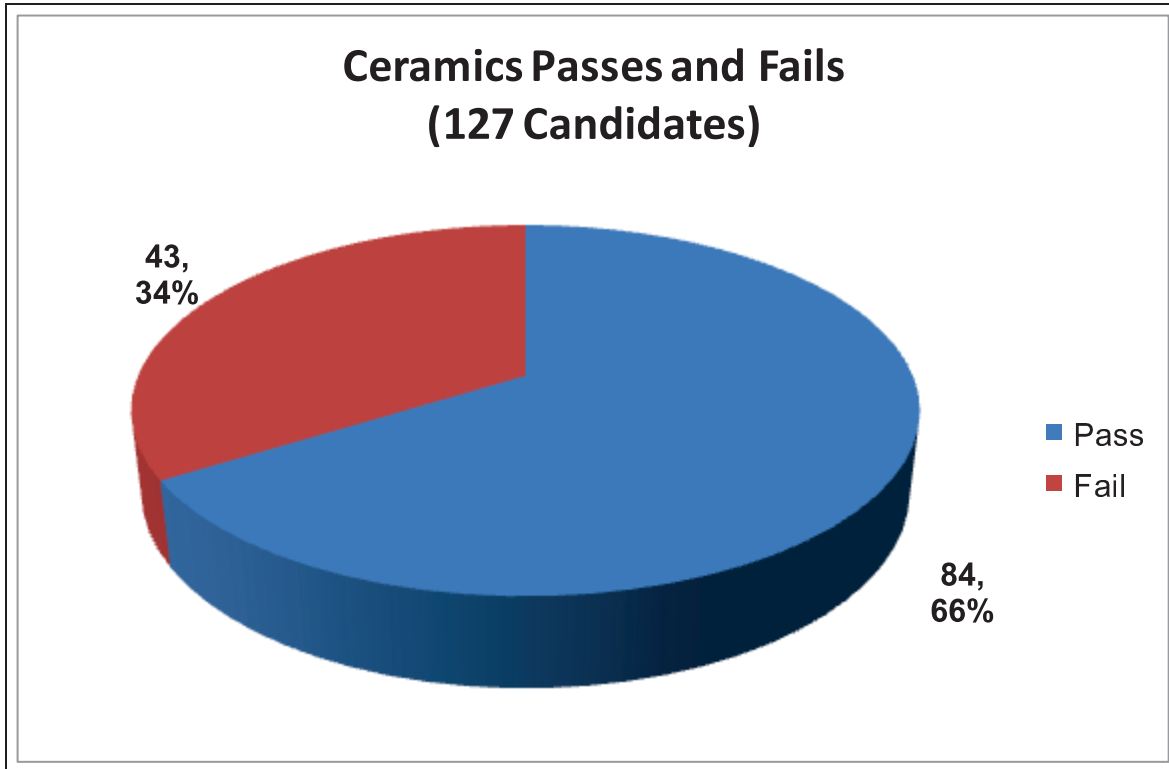


Table 12

Ceramics Form 8 Summary Statistics

	<u>n</u>	<u>Avg</u>	<u>% Avg</u>	<u>Std Dev</u>	<u>Lowest</u>	<u>Median</u>	<u>Highest</u>
Passing	38	60.1	75%	5.3	52	61	74
Failing	21	43.7	55%	7.2	25	46	51
Total	59	54.3	68%	9.9	25	55	74

Table 13

Ceramics Form 9 Summary Statistics

<u>n</u>	<u>Avg</u>	<u>% Avg</u>	<u>Std Dev</u>	<u>Lowest</u>	<u>Median</u>	<u>Highest</u>
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Passing	46	58.8	74%	5.8	52	58	74
Failing	22	43.7	55%	6.1	31	44	51
Total	68	54.0	67%	9.2	31	54	74

Crown and Bridge Examination

Figure 9

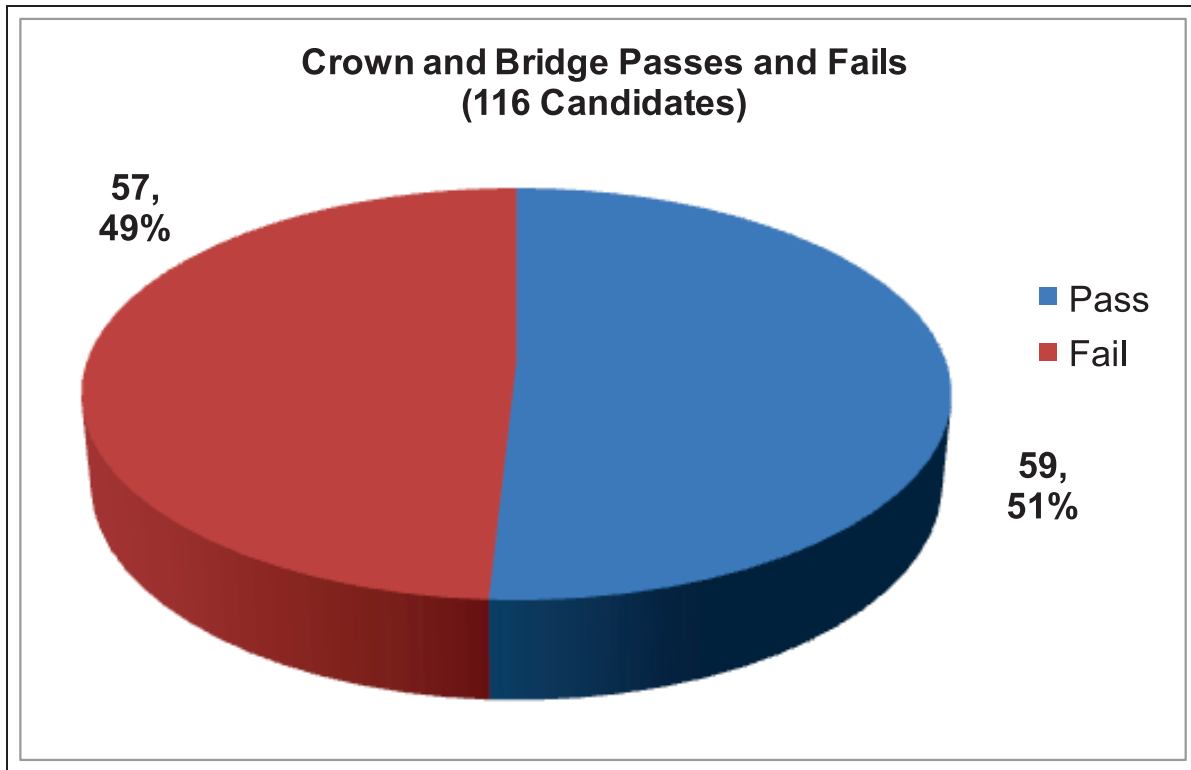


Table 14

Crown and Bridge Form 8 Summary Statistics (MPS = 65%)

	<u>n</u>	<u>Avg</u>	<u>% Avg</u>	<u>Std Dev</u>	<u>Lowest</u>	<u>Median</u>	<u>Highest</u>
Passing	40	59.3	74%	4.8	52	59	70
Failing	19	46.7	58%	2.8	41	47	51
Total	59	55.2	69%	7.3	41	56	70

Table 15

Crown and Bridge Form 9 Summary Statistics (MPS = 65%)

	<u>n</u>	<u>Avg</u>	<u>% Avg</u>	<u>Std Dev</u>	<u>Lowest</u>	<u>Median</u>	<u>Highest</u>
Passing	36	58.5	73%	5.4	52	58	77
Failing	21	43.2	54%	8.8	11	46	51
Total	57	52.8	66%	10.1	11	54	77

Orthodontics Examination

Figure 10

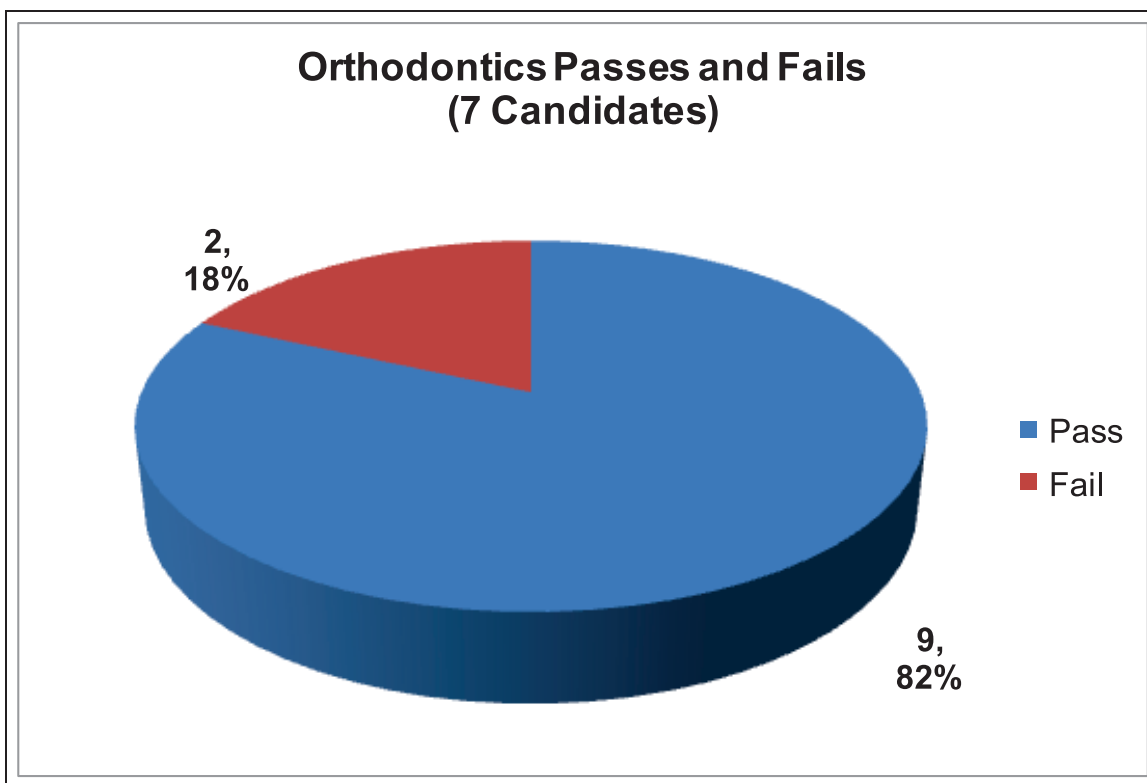


Table 16

Orthodontics Form 8 Summary Statistics

	<u>n</u>	<u>Avg</u>	<u>% Avg</u>	<u>Std Dev</u>	<u>Lowest</u>	<u>Median</u>	<u>Highest</u>
Passing	9	56.1	70%	4.6	49	57	62
Failing	2	43.0	54%	4.0	39	43	47
Total	11	53.7	67%	6.8	39	57	62

Implants Examination

Figure 11

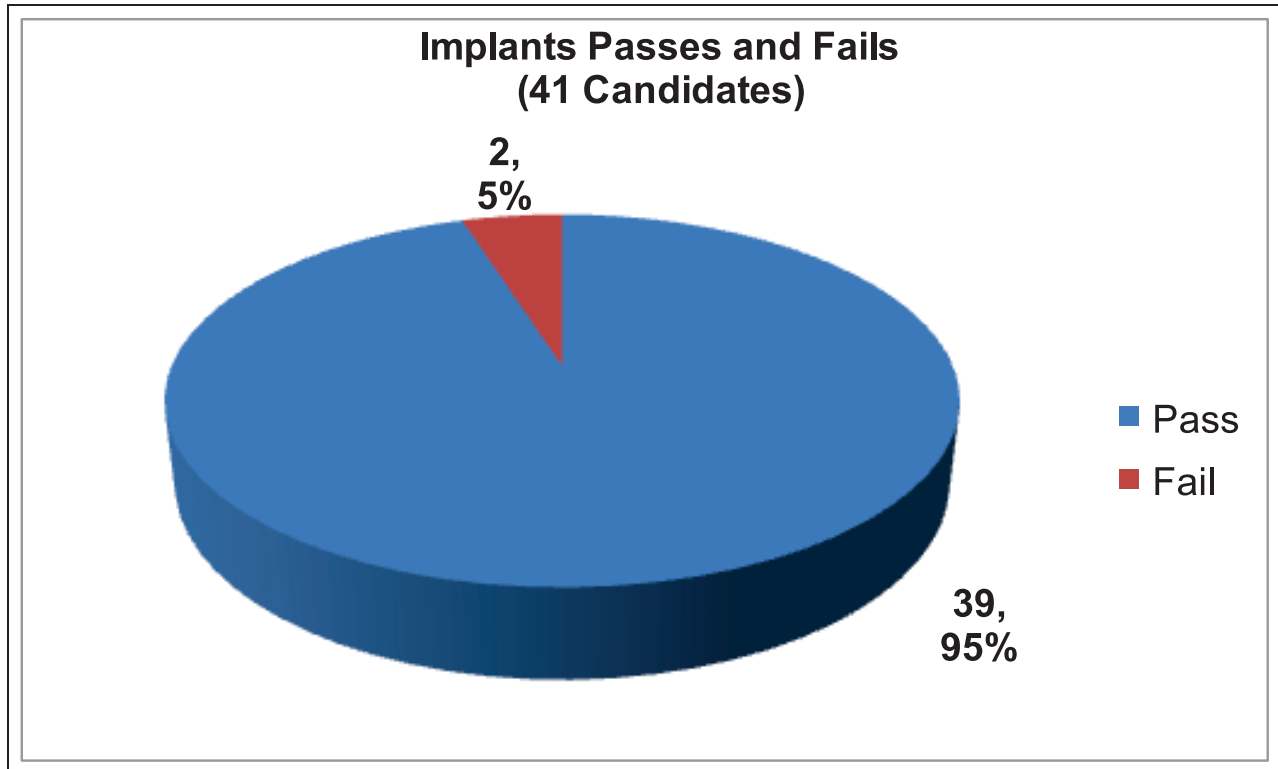


Table 17

Implants Form 1 Summary Statistics

	<u>n</u>	<u>Avg</u>	<u>% Avg</u>	<u>Std Dev</u>	<u>Lowest</u>	<u>Median</u>	<u>Highest</u>
Passing	23	58.2	73%	5.0	50	58	70
Failing	1	39.0	49%	0.0	39	39	39
Total	24	57.4	72%	6.2	39	58	70

Table 18

Implants Form 2 Summary Statistics

	<u>n</u>	<u>Avg</u>	<u>% Avg</u>	<u>Std Dev</u>	<u>Lowest</u>	<u>Median</u>	<u>Highest</u>
Passing	16	57.7	72%	4.2	51	58	64
Failing	1	42.0	53%	0.0	42	42	42
Total	17	56.8	71%	5.5	42	58	64

The passing rate (95%) for Implants is not indicative of most Entry Level Certification Examinations. The first examinee group was of a high ability level; however the second group was identical in performance.