National Board of Medical Examiners
Customized Examination
Scaled Score Descriptive Statistics

Scaled score descriptive statistics, reliability and the standard error of measurement (SEM) values appear below for the total test and all content areas defined by your school. For more information on interpreting scale scores, please see the performance interpretation guidelines provided with your feedback.

The reliability coefficient estimate refers to a score's expected consistency. An examination score is reliable to the extent that administration of a different random sample of items from the same content domain would result in little or no change in an examinee's rank order in the group. Reliability is affected by the homogeneity of the items and of the examinees, as well as by the length of the examination. Measurement error is present in all test scores, and the SEM provides an index of the imprecision of scores. The SEM is expressed on the same scale as the test scores and can be used to construct confidence intervals around the scores. For example, if an examinee receiving a Total Test scaled score of 60 was tested repeatedly with similar exams, 95% of the scores received should fall between 52 and 68 (60 plus/minus two times an SEM of 4).

The reliabilities and SEMs are computed based on the scaling group of examinees. Examinees who did not take the exam under standard timing conditions, scored more than 3 standard deviations below the mean, omitted more than 10% of the items, and other examinees who were removed at the request of your school were excluded from these calculations.

ID	Content Area	N Items	SEM	Reliability	Total Group (N=100)				Scaling Group (N=99)			
					Mean	**SD**	**Low**	**High**	**Mean**	**SD**	**Low**	**High**
	Total Test	100	4	0.74	69	9	38	85	70	8	51	85
1	Content Area 1	60	5	0.65	70	9	41	85	70	8	49	85
2	Content Area 2	72	5	0.65	69	9	32	87	70	8	49	87
*	Content Area 3	10	6	0.36	70	8	38	80	70	8	38	80
*	Content Area 4	19	7	0.21	70	8	47	80	70	8	47	80
*	Content Area 5	13	7	0.34	70	9	38	82	70	8	47	82

* This content area does not appear on the roster but may appear on the individual performance profile.

Total Test Scaled Score Frequency Distribution (Based on All Examinees Tested)

School: 000000 - Generic Medical School

Examination Name: Examination Name

Scaling Group: C00000 (MM/DD/YYYY)

Total Test Scaled Score	Frequency Count	Frequency %	Cumulative Frequency Count	Cumulative Frequency %	Total Test Scaled Score	Frequency Count	Frequency %	Cumulative Frequency Count	Cumulative Frequency %
38	1	1	1	1	69	5	5	49	49
48	1	1	2	2	70	5	5	54	54
51	3	3	5	5	72	7	7	61	61
52	1	1	6	6	73	7	7	68	68
53	3	3	9	9	74	7	7	75	75
57	3	3	12	12	75	4	4	79	79
58	3	3	15	15	77	1	1	80	80
59	4	4	19	19	78	4	4	84	84
60	1	1	20	20	79	2	2	86	86
62	3	3	23	23	80	3	3	89	89
63	4	4	27	27	82	3	3	92	92
64	3	3	30	30	83	3	3	95	95
65	8	8	38	38	84	2	2	97	97
67	2	2	40	40	85	3	3	100	100
68	4	4	44	44					

Roster of Scaled Scores

School: 000000 - Generic Medical School

Test Dates: MM/DD/YYYY to MM/DD/YYYY

Examination Name: Examination Name

Order ID: C00000

Scaling Group: C00000 (MM/DD/YYYY)

ID	Name	Total Test Scaled Score	Content Area ID* (Scaled Scores)	
			1	2
0000001	EXAMINEE A	68	67	72
0000002	EXAMINEE B	64	65	65
0000003	EXAMINEE C	77	74	72
0000004	EXAMINEE D	70	65	67
0000005	EXAMINEE E	85	77	78

* Refer to Descriptive Statistics page for content area names. Note that if no scores are listed, no content areas with at least 20 items were selected to appear on the roster.

MM/DD/YYYY