



International Board of Lactation Consultant Examiners® (IBLCE®)

International Board Certified Lactation Consultant® (IBCLC®) Examination
September 2020 Administration
Test Analysis Report Summary

This document is a summary of the psychometric analysis reported to IBLCE in:

*Test Analysis Report: International Board Certified Lactation Consultant® (IBCLC®)
Certification Examination September 2020 Administration*

prepared by

PSI Services

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Overview

This Test Analysis Report (TAR) provides a summary of the statistical analysis results for the following International Board of Lactation Consultant Examiners (IBLCE) International Board Certified Lactation Consultant® (IBCLC®) form:

- September 2020

The analysis reported includes all administrations of this examination form during the dates of September 7th, 2020 through October 1st, 2020. All administrations are a combination of what would have been the April 2020 candidate population and the normal September 2020 population due to the cancellation of the April 2020 exam. The IBCLC exam consists of 175 scored items and 0 pretest (unscored) items. The examination was administered in computer-based testing and live remote proctoring formats, and examinees were allowed 240 minutes to complete the examination.

Scale Level Statistics

Scale-level (i.e., exam-level) statistics are summarized here for the examination form previously described. Scale-level statistics are presented (see *Table 1*) for first-time examinee administrations.

Table 1. Scale-Level Statistics for First-Time Examinee Administrations

<i>Number of first-time examinees</i>	3,171
<i>k</i> ¹	175
<i>Cut</i> ²	132
<i>Mean</i> ³	143.97
<i>SD</i> ⁴	13.08
<i>KR20</i> ⁵	0.88
<i>DC</i> ⁶	0.90
<i>SEM</i> ⁷	4.60
<i>Pass</i> ⁸	84.74

Note: from PSI Services (2021) Test Analysis Report International Board Certified Lactation Consultant® (IBCLC®) Certification Examination September 2020 Administrations.

- ¹ Number of scored items in the scale (i.e., examination).
- ² Raw cut score for the examination.
- ³ Mean score achieved by the examinees.
- ⁴ Standard deviation of scores achieved by the examinees.
- ⁵ Kuder-Richardson 20 reliability estimate of the examination, a measure of the scale's internal consistency.
- ⁶ Subkoviak Decision Consistency, an estimate of the consistency of pass-fail decisions.
- ⁷ Standard error of measurement, the average amount of variation attributed to factors other than ability.
- ⁸ Percentage of examinees who achieved a passing decision outcome.

Kuder, G. F., & Richardson, M. W. (1937). The theory of the estimation of test reliability. Psychometrika, 2(3).

Subkoviak, M.J. (1976). Estimating reliability from a single administration of a criterion-referenced test. Journal of Educational Measurement, 13(4).

Scale Level Statistics (continued)

Cut score, mean score achieved by the examinees, and the percentage of examinees who achieved a passing decision outcome are summarized below for the remaining certification statuses as well as for all administrations (see *Table 2*). *Table 3* shows pass/ fail rates by eligibility pathway.

Table 2. Lapsed, Recertification, Repeat, and All Administrations

	<i>n</i>	<i>k</i> ¹	<i>Cut</i> ²	<i>Mean</i> ³	<i>Pass</i> ⁴
<i>Repeat Administrations</i>	491	175	132	128.50	43.79
<i>Lapsed Administrations</i>	87	175	132	144.54	85.06
<i>Recert -5 years</i>	93	175	132	145.57	91.40
<i>Recert -10 years</i>	929	175	132	148.51	93
<i>Recert -15 years</i>	71	175	132	149.00	97.18
<i>Recert -20 years</i>	236	175	132	151.49	97.46
<i>Recert -25 years</i>	35	175	132	148.34	91.43
<i>Recert -30-35 years</i>	42	175	132	152.81	97.62
<i>All Administrations</i>⁵	5155	175	132	143.87	83.36

Note: from PSI Services (2021) Test Analysis Report International Board Certified Lactation Consultant® (IBCLC®) Certification Examination September 2020 Administrations.

Table 3. Pass Fail Summary by Eligibility Pathway

Eligibility Pathway	<i>n</i>	<i>Pass</i>⁴
<i>Pathway 1-</i> Health professionals and non-health professionals earning clinical hours in an appropriate setting	3390	78.85
<i>Pathway 2-</i> Accredited Academic Programs	74	91.89
<i>Pathway 3-</i> Mentorship for clinical hours with an IBCLC	152	88.16

Note: from PSI Services (2021) Test Analysis Report International Board Certified Lactation Consultant® (IBCLC®) Certification Examination September 2020 Administrations.

¹ Number of scored items in the scale (i.e., examination).

² Raw cut score for the examination.

³ Mean score achieved by the examinees.

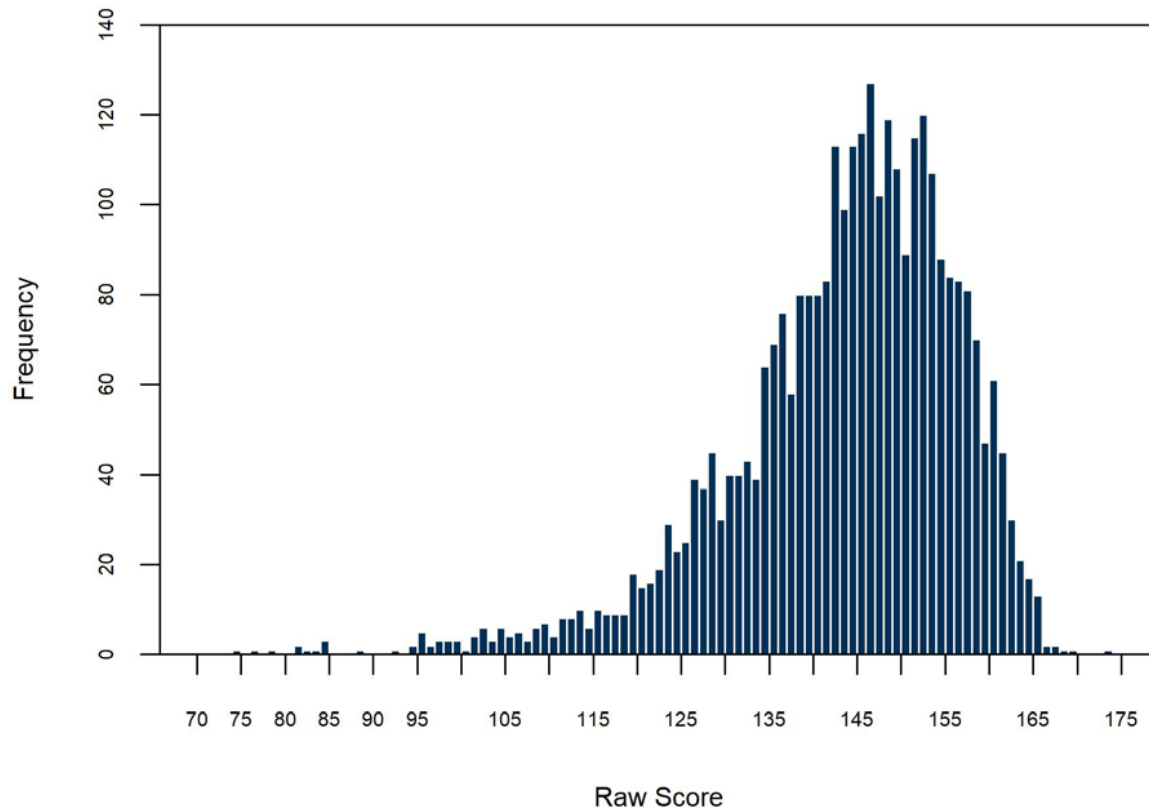
⁴ Percentage of examinees who achieved a passing decision outcome.

⁵ Inclusive of First-Time Examinee Administrations presented in *Table 1*.

Score Distribution

The score distribution is summarized here for the examination form previously described. The score distribution displays the frequency of scores achieved. The horizontal axis represents the total score and the vertical axis represents the number of examinees who achieved that total score. Score distribution is presented for first-time examinee administrations (see *Figure 1*).

Figure 1. Distribution of Raw Scores for First Time Candidates



Note: from PSI Services (2021) Test Analysis Report International Board Certified Lactation Consultant® (IBCLC®) Certification Examination September 2020 Administrations.

Subscale-Level Statistics

Subscale-level (i.e., domain-level) statistics are summarized here for the examination form previously described. Subscale-level statistics are presented for first-time examinee administration.

Table 4. Subscale-Level Statistics for First-Time Examinee Administrations

Content Area	# Items	Mean
I. Development and Nutrition	26	19.90
II. Physiology and Endocrinology	24	19.30
III. Pathology	31	25.63
IV. Pharmacology and Toxicology	13	10.09
V. Psychology, Sociology, and Anthropology	21	18.28
VI. Techniques	25	21.59
VII. Clinical Skills	35	29.18

Note: from PSI Services (2021) Test Analysis Report International Board Certified Lactation Consultant® (IBCLC®) Certification Examination September 2020 Administrations.

References

PSI Services (2021) *Test Analysis Report International Board Certified Lactation Consultant® (IBCLC®) Certification Examination September 2020 Administrations*