Trusting External Measurements

When Another Indicator is Needed

PEREGRINE
GLOBAL SERVICES

Validity and Reliability

Peregrine Academic Services places a high priority on ensuring the validity and reliability of the assessment services. These practices begin at the design stage and continue through beta-testing, and with ongoing regularly scheduled quality reviews. For additional information regarding the reliability process, please refer to the following peer-reviewed article:

Oedekoven, O. O., Napolitano, M., Lemmon, J., & Zaiontz, C. (2019). Determining test bank reliability. *Transnational Journal of Business, 4*(Summer), 63-74.
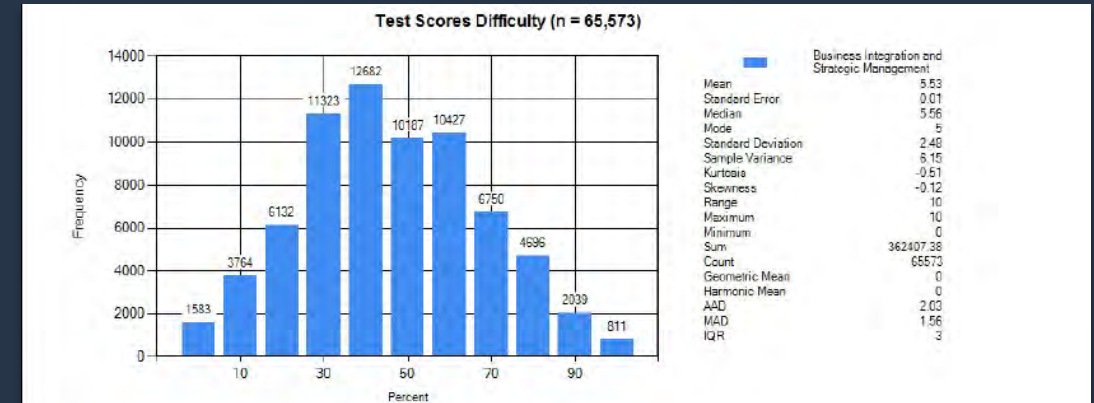
PEREGRINE
GLOBAL SERVICES

Test Bank Validity and Reliability

Exam questions are aligned with the knowledge areas and have been validated and peer reviewed.

Regular psychometric analyses of the test banks ensure reliability and accuracy.

Exam difficulty is relative; the exam assesses retained knowledge of the students at the program level using a nationally normed instrument.

Principal measures of reliability are:

1. Item Difficulty
2. Item Discrimination
3. Question Interchangeability

PEREGRINE
GLOBAL SERVICES

Academic Program Integration

The assessment solution can be readily integrated into any academic program and most learning management systems (LMS) with flexible purchase options.
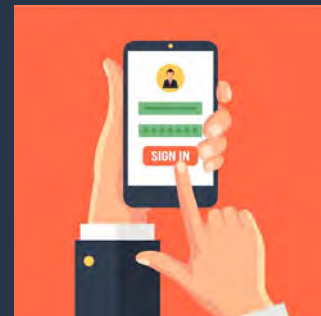
Sold through the university's bookstore.

Institutional purchase with monthly invoicing.

Student purchase through self-registration.

PEREGRINE
GLOBAL SERVICES

Course Integration

The assessment solution is typically included within a course.

The inbound exam is included as a course activity early in the academic program. Completion of the outbound exam is one of the last course activities before program completion.

Options for delivery of the exam to the students:

+ A school-specific microsite for student self-registration and password protected.

+ Technical integration with the LMS for automated registrations and gradebook postings. We can integrate with commonly used LMS platforms.

PEREGRINE
GLOBAL SERVICES

Customization for Program Alignment

Program managers select the topics that apply to their specific program(s).

In most situations, an associate level exam will include 4-6 topics, a bachelor level exam will include 10-12 topics, and a graduate-level exam will include 8-10 topics.

Topic selection depends upon the learning outcomes and program curriculum. The exam generates 10 questions per topic.

PEREGRINE

GLOBAL SERVICES

The Inbound-Outbound Assessment Approach

Students complete an inbound exam early in the program and then an outbound exam toward the end of the program. The comparison of inbound and outbound exam scores is the direct measure of learning.

A detailed analysis of the exam results is used for evaluating learning outcomes. The comparison of the cumulative results with other institutions is used for academic benchmarking.

If your student body demographics have not changed significantly, inbound and outbound exams can be administered concurrently for statistically valid comparisons.

Pairwise reporting is available once individual students who took the inbound exam also complete the outbound exam.

PEREGRINE
GLOBAL SERVICES

Online Exams for Assessment

Reliable and Valid Assessment Tools
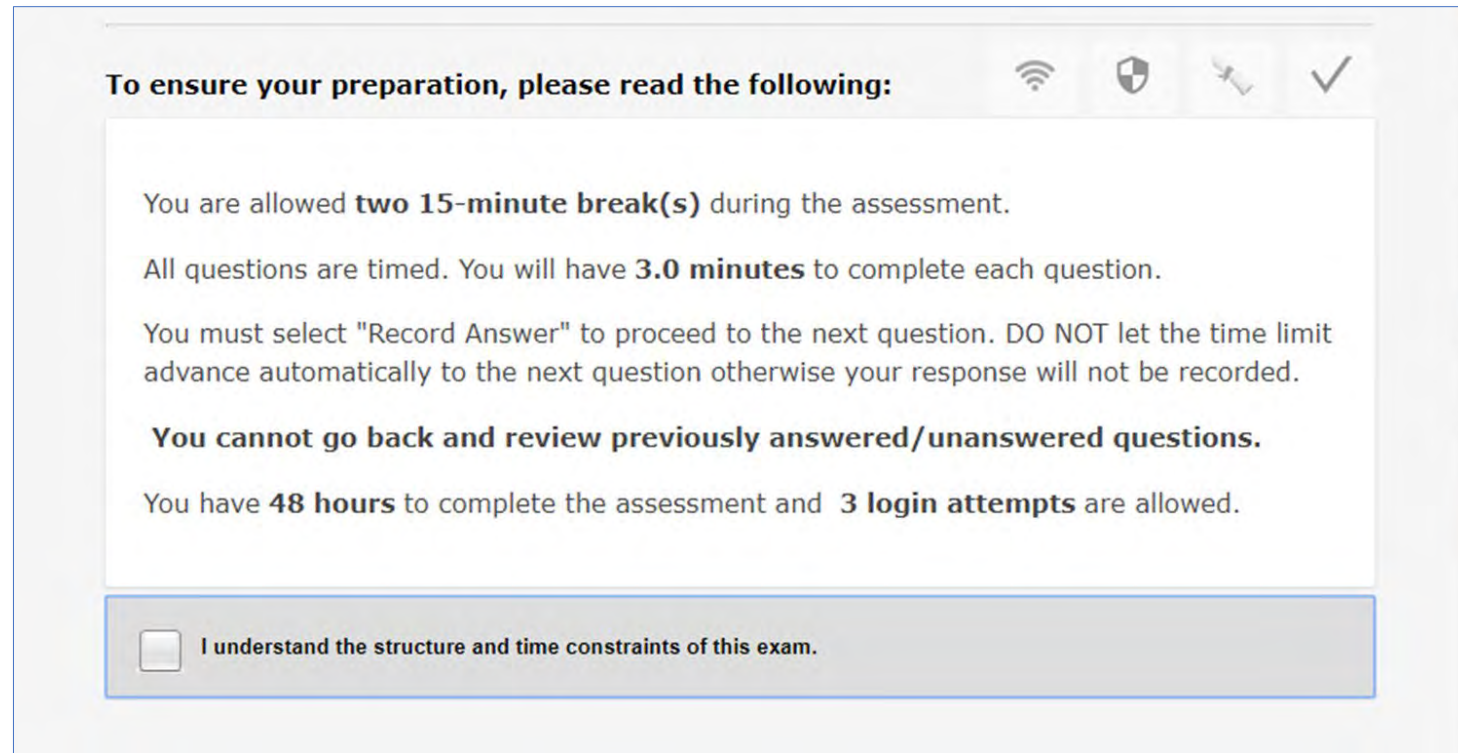
Secure Online Delivery Platform

Measures are in place to help ensure the integrity of the exam process:

+ **Randomized question selection**

+ **Disabled copy/paste content**

+ **Timed questions**

+ **Monitored activity**
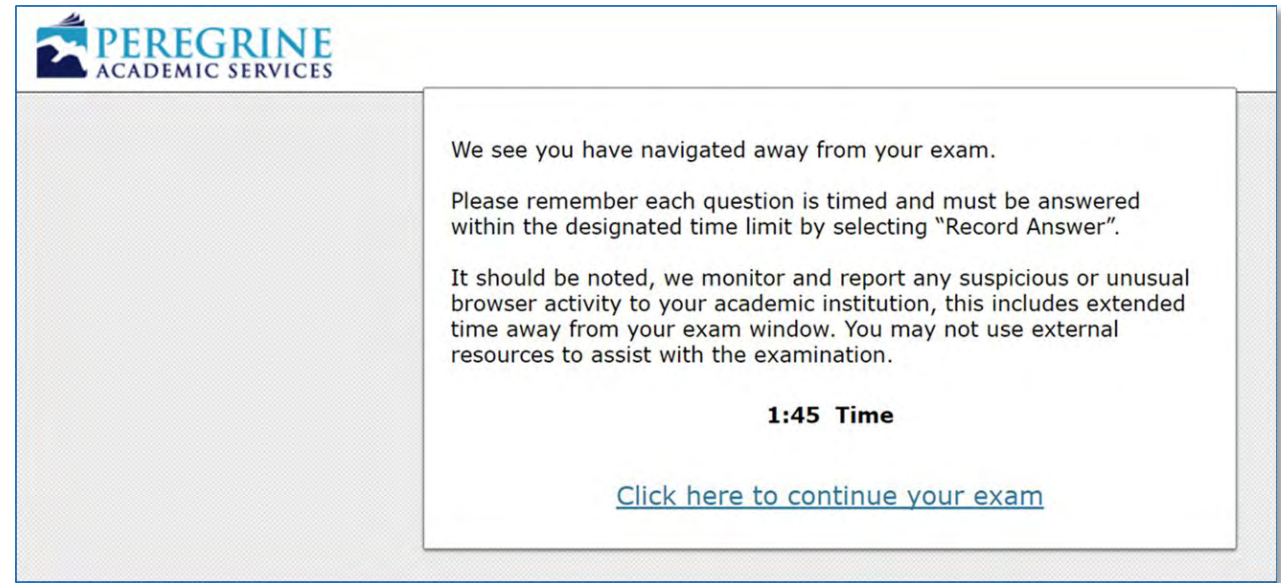
The Online Exam

To ensure your preparation, please read the following:

You are allowed **two 15-minute break(s)** during the assessment.

All questions are timed. You will have **3.0 minutes** to complete each question.

You must select "Record Answer" to proceed to the next question. DO NOT let the time limit advance automatically to the next question otherwise your response will not be recorded.

You cannot go back and review previously answered/unanswered questions.

You have **48 hours** to complete the assessment and **3 login attempts** are allowed.
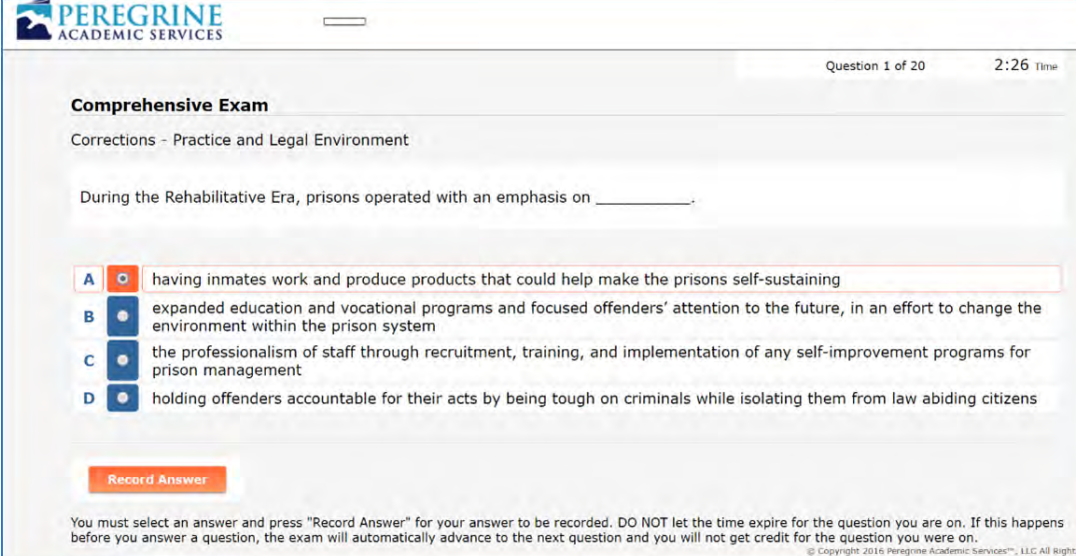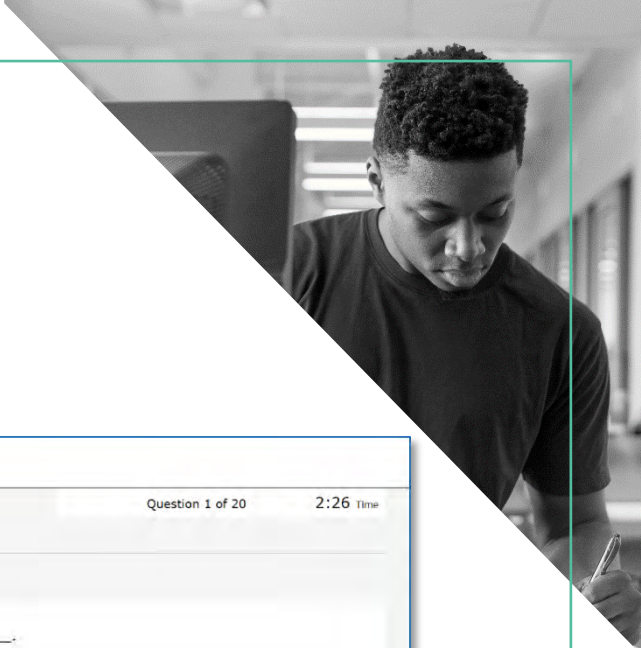
☐ I understand the structure and time constraints of this exam.

+ **Student completion certificate may be submitted for academic accountability.**

+ **Outbound exams are usually incentivized (graded) to encourage the students to do their best.**

PEREGRINE
GLOBAL SERVICES

Secure Online Delivery Platform

+ **Questions are timed and served one-at-a-time without the option to backtrack.**

+ **Students can access the exam three times within a 48-hour window to complete the exam.**

PEREGRINE
ACADEMIC SERVICES

Question 1 of 20   2:26 Time

Comprehensive Exam

Corrections - Practice and Legal Environment

During the Rehabilitative Era, prisons operated with an emphasis on _____.

A ○ having inmates work and produce products that could help make the prisons self-sustaining

B ○ expanded education and vocational programs and focused offenders' attention to the future, in an effort to change the environment within the prison system

C ○ the professionalism of staff through recruitment, training, and implementation of any self-improvement programs for prison management

D ○ holding offenders accountable for their acts by being tough on criminals while isolating them from law abiding citizens

Record Answer

You must select an answer and press "Record Answer" for your answer to be recorded. DO NOT let the time expire for the question you are on. If this happens before you answer a question, the exam will automatically advance to the next question and you will not get credit for the question you were on.

© Copyright 2016 Peregrine Academic Services™, LLC All Rights R

PEREGRINE
GLOBAL SERVICES

Student Completion Certificate

Students receive a completion certificate summarizing results, with a breakdown of subject-specific results.

Administrators can download all student results.

Client Admin

Better Benchmarking and Improved Decision Making
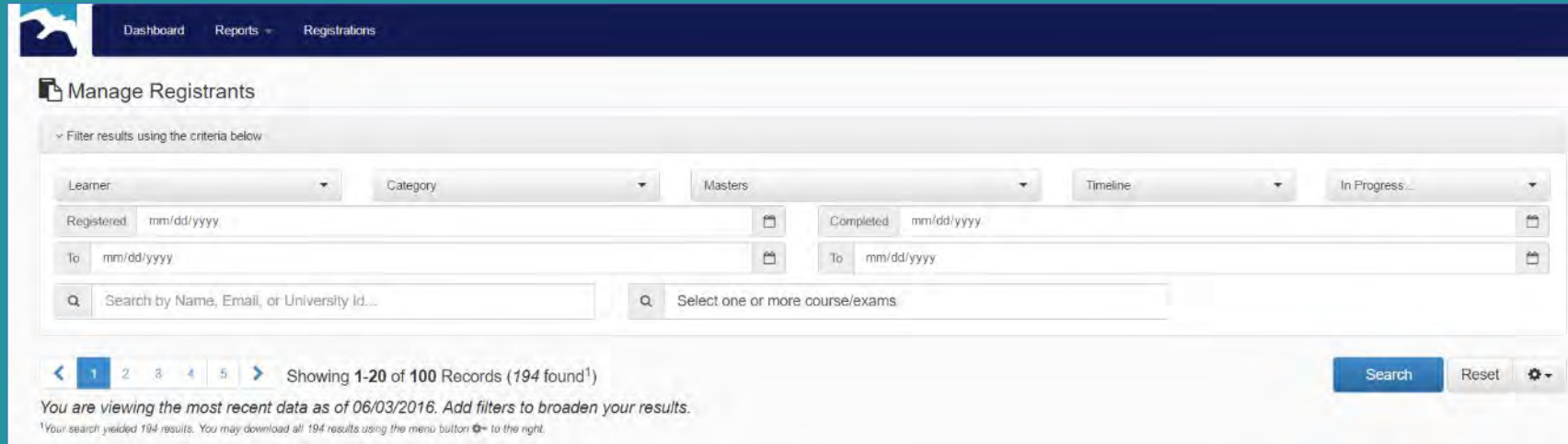
Administration

24/7 access to Client Admin, the system where school officials track student progress and generate reports; both individual and summative.

PEREGRINE
GLOBAL SERVICES
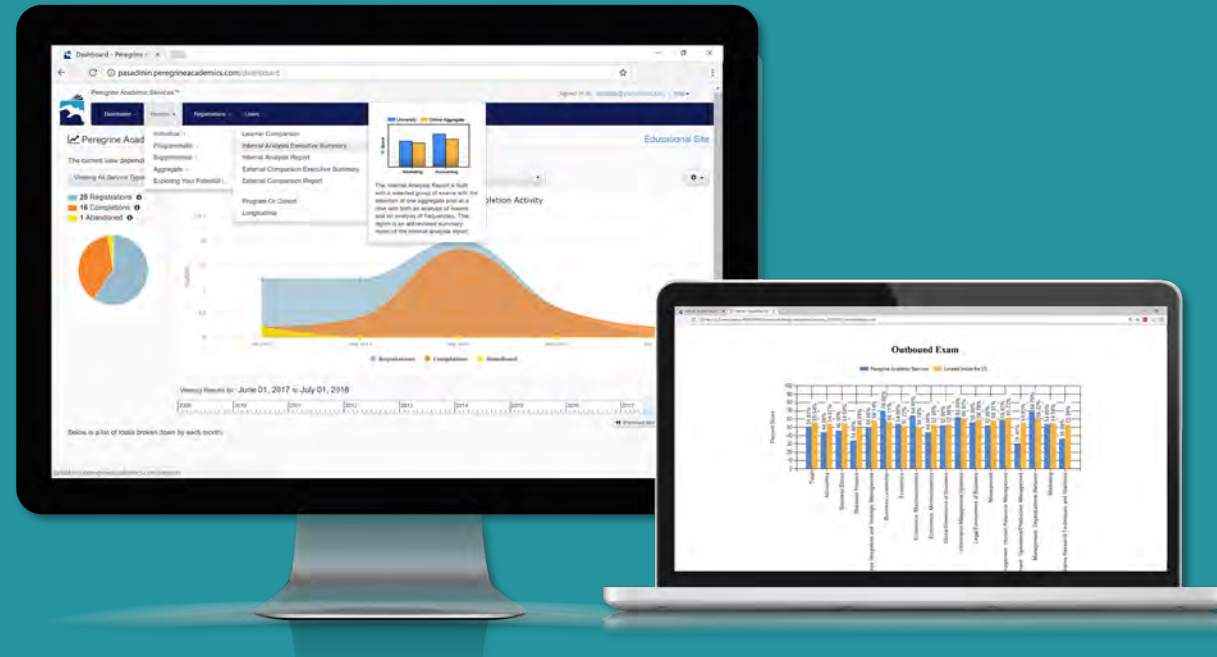
Student Registration Management

A fully searchable registration management capability within Client Admin offering school officials 24/7 access to student results and solution registrations.

Report Options from Client Admin

There are both individual and summative reports to choose from to analyze and report the results.
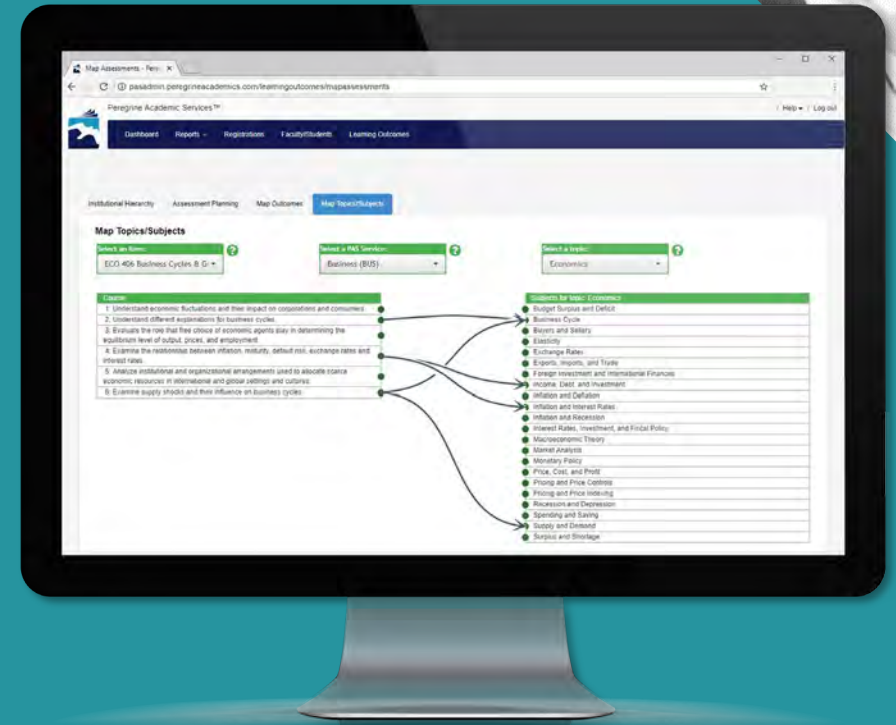
PEREGRINE
GLOBAL SERVICES

NEW - Manage and report your outcomes assessment results across all academic levels

Save valuable time with our Learning Outcomes Mapping utility.

Enter your institution's learning outcomes, map those learning outcomes - across the institution and through a series of assessments - and then report the results organized by those learning outcomes in one streamlined process.

To take advantage of Peregrine's Learning Outcomes Mapping utility, contact a member of our Client Solutions Team.

PEREGRINE
GLOBAL SERVICES

Individual Reports for Assessment Solutions

Individual Results Report

An Excel file with the student-by-student results showing the percent correct for each topic and subject.

Pairwise Report

Shows student-by-student results when the same student who took the inbound exam also completes a mid-point and/or outbound exam.

Pairwise Executive Summary Report

An abbreviated summary report of the pairwise report.

	A	B	C	D	E	F	G	H
1	Your Learning Institution							
2	Assessment Period: 6/1/2016 - 7/1/2016							
3	Academic Level: Bachelors							
4	Course: Bachelors CPC Exam							
5	Number of Exams: 113							
6		Course	Timeline	Program	Operating	Cohort	Majors	Faculty
7	1	Bachelors CPC Exam	Outbound		Adult Degree Program		Management	
8	2	Bachelors CPC Exam	Outbound		Adult Degree Program		Management	
9	3	Bachelors CPC Exam	Outbound		Adult Degree Program		Accounting	
10	4	Bachelors CPC Exam	Outbound		Adult Degree Program		Management	
11	5	Bachelors CPC Exam	Outbound		Adult Degree Program		Management	
12	6	Bachelors CPC Exam	Outbound		Traditional Undergraduate		Marketing	
13	7	Bachelors CPC Exam	Outbound		Adult Degree Program		Management	
14	8	Bachelors CPC Exam	Outbound		Adult Degree Program		Management	
15	9	Bachelors CPC Exam	Outbound		Traditional Undergraduate		Entertainment, Sports Promotion & Ma	
16	10	Bachelors CPC Exam	Outbound		Adult Degree Program		Management	
17	11	Bachelors CPC Exam	Outbound		Adult Degree Program		Management	
18	12	Bachelors CPC Exam	Outbound		Adult Degree Program		Shagement	
19	13	Bachelors CPC Exam	Outbound		Adult Degree Program		Management	
20	14	Bachelors CPC Exam	Outbound		Adult Degree Program		Health Care Management	
21	15	Bachelors CPC Exam	Outbound		Adult Degree Program		Management	
22	16	Bachelors CPC Exam	Outbound		Adult Degree Program		Management	
23	17	Bachelors CPC Exam	Outbound		Adult Degree Program		Management	
24	18	Bachelors CPC Exam	Outbound		Adult Degree Program		Automotive Marketing & Management	
25	19	Bachelors CPC Exam	Outbound		Traditional Undergraduate		International Business	
26	20	Bachelors CPC Exam	Outbound		Traditional Undergraduate		International Business	
27	21	Bachelors CPC Exam	Outbound		Traditional Undergraduate		Management	
28	22	Bachelors CPC Exam	Outbound		Traditional Undergraduate		Finance	
29	23	Bachelors CPC Exam	Outbound		Adult Degree Program		Management	
30	24	Bachelors CPC Exam	Outbound		Traditional Undergraduate		International Business	
31	25	Bachelors CPC Exam	Outbound		Adult Degree Program		Management	
32	26	Bachelors CPC Exam	Outbound		Traditional Undergraduate		Automotive Marketing & Management	
33	27	Bachelors CPC Exam	Outbound		Adult Degree Program		Management	
34	28	Bachelors CPC Exam	Outbound		Adult Degree Program		Entertainment, Sports Promotion & Ma	
35	29	Bachelors CPC Exam	Outbound		Traditional Undergraduate		Finance	
36	30	Bachelors CPC Exam	Outbound		Adult Degree Program		Management	
37	31	Bachelors CPC Exam	Outbound		Adult Degree Program		Accounting	

Programmatic Evaluation Reports for Assessment Solutions

Longitudinal Analysis Report

A side-by-side comparison of different exam periods, with ability to show up to 4 exam periods on the report.

Internal Analysis Report

A report of a selected group of exams with the selection of one aggregate pool at a time with both an analysis of means and an analysis of the frequency correct.

Executive Summary- Internal Analysis Report

An abbreviated summary report of the internal analysis report, with the ability to choose up to 5 aggregate pools for comparison purposes.

External Comparison Report

A report of a selected group of exams comparing the results against one or more aggregate pools.

Executive Summary- External Comparison Report

An abbreviated summary report of the external analysis report.

Program/Cohort Comparison Report

A side-by-side comparison of the results between one or more academic programs or cohorts of students where there is overlap of topics on the student exams.

PEREGRINE
GLOBAL SERVICES

Supplemental Reports for Assessment Solutions

Response Distractor Report

A unique report that summarizes why students answered questions incorrectly based on 5 types of response distractors. *Peregrine is the only solution provider with this capability.*

Student Survey Report

A summary report of the results from the optional student survey administered in conjunction with an outbound exam.

Grade Scale Report

A report based upon the client school's exam results used to determine a school-specific grading scale based on percentile scoring.

Aggregate Extraction Report

A report with the aggregate data in Excel format used for additional data analysis.
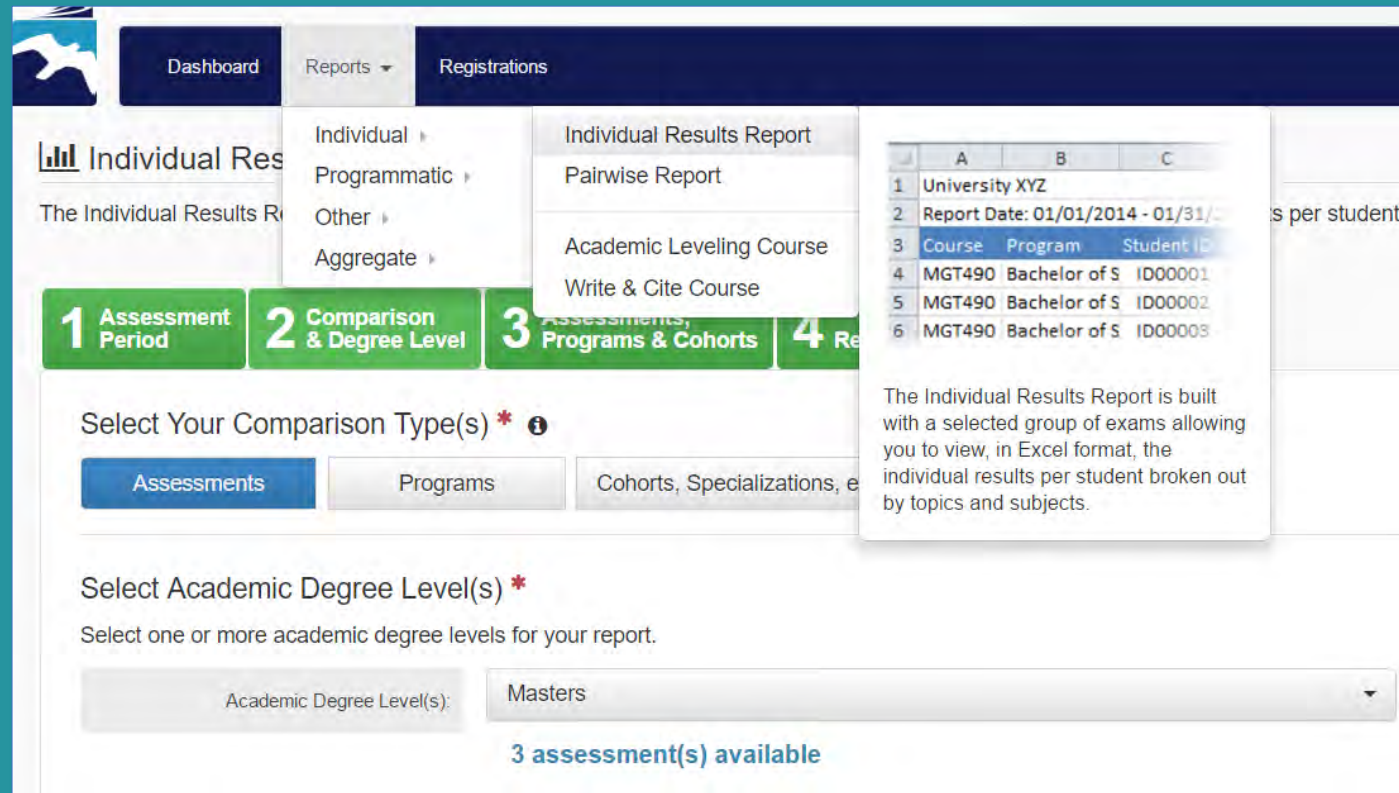
Client Schools in Aggregates Report

A listing of the schools included in each of the aggregate pools.

PEREGRINE
GLOBAL SERVICES

Individual Results Report

The Individual Results Report is used to summarize student results in Excel format.

Internal Analysis Report

The Internal Analysis Report is most commonly used for learning outcomes analyses.

School results are compared at the topic and subject levels based on percent scores and percentile rankings to determine if student performance is below, at, or above desired thresholds established by the school.

PEREGRINE
GLOBAL SERVICES

External Comparison Report

With the External Comparison Report, up to 5 different aggregate pools can be chosen and used to compare against the school's results for external benchmarking.

Longitudinal Report

The Longitudinal Report is used to analyze 2-4 sets of results over time.

Regression analysis helps school officials understand the effect of changes to the program over time.

Program or Cohort Report

The Program or Cohort Report is used to compare two or more groups of exam results. Typical comparisons include by campus location, program delivery modality, and student major.

PEREGRINE
GLOBAL SERVICES

Pairwise Report

The Pairwise Report is used when the institution administers both inbound and outbound exams.

When the student completes the outbound exam, his/her score can be paired with the inbound exam result.

Response Distractor Report

The Response Distractor Report assists school officials in understanding the reason students answered questions incorrectly based on five types of response distractors.

Peregrine Academic Services - Response Distractor

Table 3: Outbound Sample Compared to the Aggregate Pool (Inactive Questions Excluded)

Topic	Subject	School % Correct	Aggregate % Correct	Calculation-based Error School % Incorrect	Aggregate % Incorrect	Concept-based Error School % Incorrect	Aggregate % Incorrect	Conclusion-based Error School % Incorrect	Aggregate % Incorrect	Fact-based Error School % Incorrect	Aggregate % Incorrect	Interpretation-based Error School % Incorrect	Aggregate % Incorrect
Administration of Justice		55.45 %	52.39 %	0.00 %	0.00 %	1.33 %	1.53 %	0.00 %	0.00 %	42.64 %	45.57 %	0.58 %	0.51 %
	Comparative Criminal Justice	56.34 %	51.98 %	0.00 %	0.00 %	0.00 %	0.00 %	0.00 %	0.00 %	43.66 %	48.02 %	0.00 %	0.00 %
	Contemporary Criminal Justice System	57.68 %	54.00 %	0.00 %	0.00 %	2.47 %	2.18 %	0.00 %	0.00 %	38.02 %	42.42 %	1.82 %	1.40 %
	Major Systems of Social Control	54.11 %	52.63 %	0.00 %	0.00 %	1.86 %	2.48 %	0.00 %	0.00 %	44.03 %	44.90 %	0.00 %	0.00 %
	Personnel Management	53.64 %	50.92 %	0.00 %	0.00 %	1.04 %	1.44 %	0.00 %	0.00 %	44.81 %	47.04 %	0.52 %	0.60 %

Topic	Subject	School % Correct	Aggregate % Correct	Calculation-based Error School % Incorrect	Aggregate % Incorrect	Concept-based Error School % Incorrect	Aggregate % Incorrect	Conclusion-based Error School % Incorrect	Aggregate % Incorrect	Fact-based Error School % Incorrect	Aggregate % Incorrect	Interpretation-based Error School % Incorrect	Aggregate % Incorrect
Corrections		45.62 %	43.66 %	0.00 %	0.00 %	1.91 %	1.95 %	0.23 %	0.11 %	50.95 %	52.44 %	1.29 %	1.85 %
	Carceral Facilities (Jails/Prisons)	25.73 %	25.97 %	0.00 %	0.00 %	4.16 %	4.64 %	0.00 %	0.00 %	70.11 %	69.39 %	0.00 %	0.00 %
	Community-based Corrections	40.13 %	38.73 %	0.00 %	0.00 %	0.00 %	0.00 %	0.89 %	0.43 %	58.60 %	60.04 %	0.38 %	0.80 %
	History and Correctional Philosophies	62.57 %	59.59 %	0.00 %	0.00 %	0.79 %	0.80 %	0.00 %	0.00 %	33.60 %	35.81 %	3.04 %	3.81 %
	Practice and Legal Environment	55.18 %	50.43 %	0.00 %	0.00 %	2.62 %	2.33 %	0.00 %	0.00 %	40.37 %	44.44 %	1.83 %	2.80 %

Peregrine is the only solution provider with this capability.

PEREGRINE
GLOBAL SERVICES

Student Survey Report

School officials have the option to include a survey with an exam (at no additional cost).

Typically, this is an end-of-program survey, often used as an indirect measure of learning outcomes and student satisfaction. The institution determines the survey questions.

Grade Scale Report

Once an institution has completed an appropriate number of exams (>50), the school has the option to generate a Grade Scale Report based on the school's results.

This report is used most often for grading the exam.

Percentile	Total COMP Exam Score	Letter Grade on a 60-100% Scale	Letter Grade on a 65-100% Scale	Letter Grade on a 70-100% Scale
99th	78	A	A	A
98th	77	A	A	A
97th	76	A	A	A-
96th	75	A	A-	A-
95th	74	A	A-	A-
94th	73	A	A-	B+
93rd	72	A	A-	B+
92nd	71	A-	B+	B
91st	70	A-	B+	B
90th	69	A-	B+	B
89th	68	B+	B	B-
88th	67	B+	B	B-
87th	66	B+	B	C+
86th	65	B	B-	C+
85th	64	B	B-	C
84th	63	B	C+	C
83rd	62	B	C+	C
82nd	61	B-	C+	C
81st	60	B-	C+	C-
80th	59	B-	C+	C-
79th	58	C+	C	C-
78th	57	C+	C	C-
77th	56	C+	C	D+
76th	55	C	C	D+
75th	54	C	C	D+

PEREGRINE
GLOBAL SERVICES
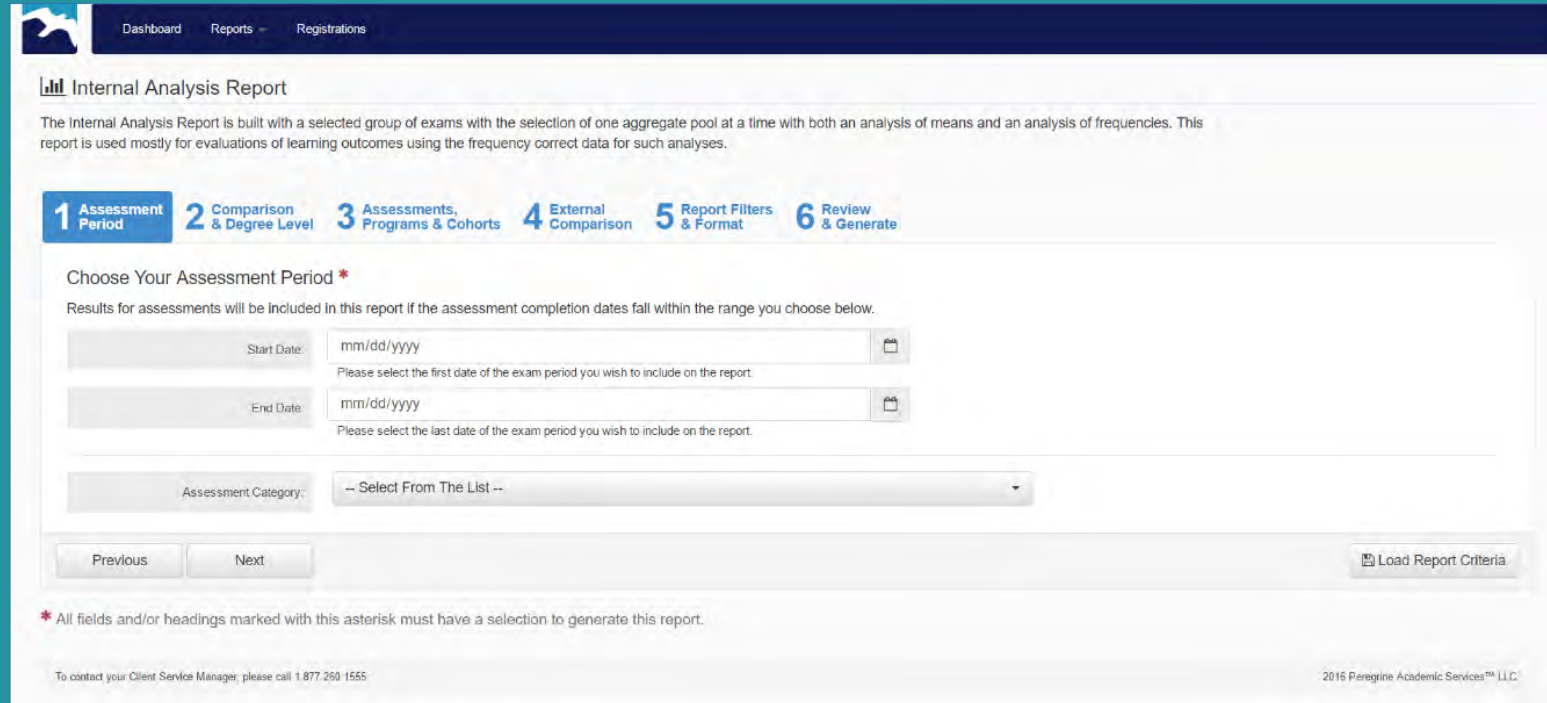
Aggregate Data

Aggregate Data refers to the results obtained by other schools using the assessment solution. School officials can download the data for use for completing additional analyses of the results.

PEREGRINE
GLOBAL SERVICES

Using the Report Wizard

A user-friendly Report Wizard guides the user through report generation.

Report criteria can be stored for subsequent use.

PEREGRINE

GLOBAL SERVICES

We are catalysts for change.

We believe that we can contribute to improving the quality of higher education.

We believe we can develop values-based leaders who make a difference in our world.

We lead change by leveraging a diversity of talented people across a broad spectrum of disciplines, backgrounds, experiences, and cultures.

Together with our clients and partners, we believe that we can change the world.

PEREGRINE
GLOBAL SERVICES

Corporate Headquarters:
640 North Highway 14-16
Gillette WY 82716

Mailing Address:
P.O. Box 741
Gillette WY 82717

307-685-1555
Info@PeregrineGlobal.com
www.PeregrineGlobal.com