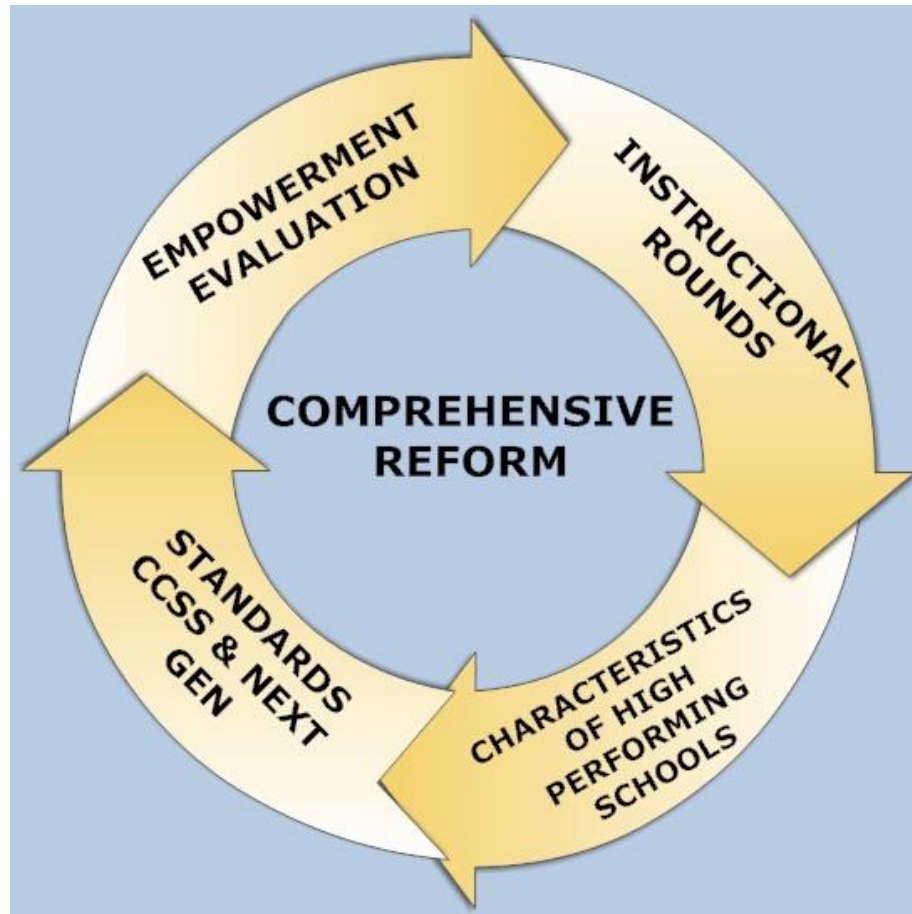# Using Data for School Improvement to Address Needs Locally and Programmatically: Design Considerations for Purpose and Function
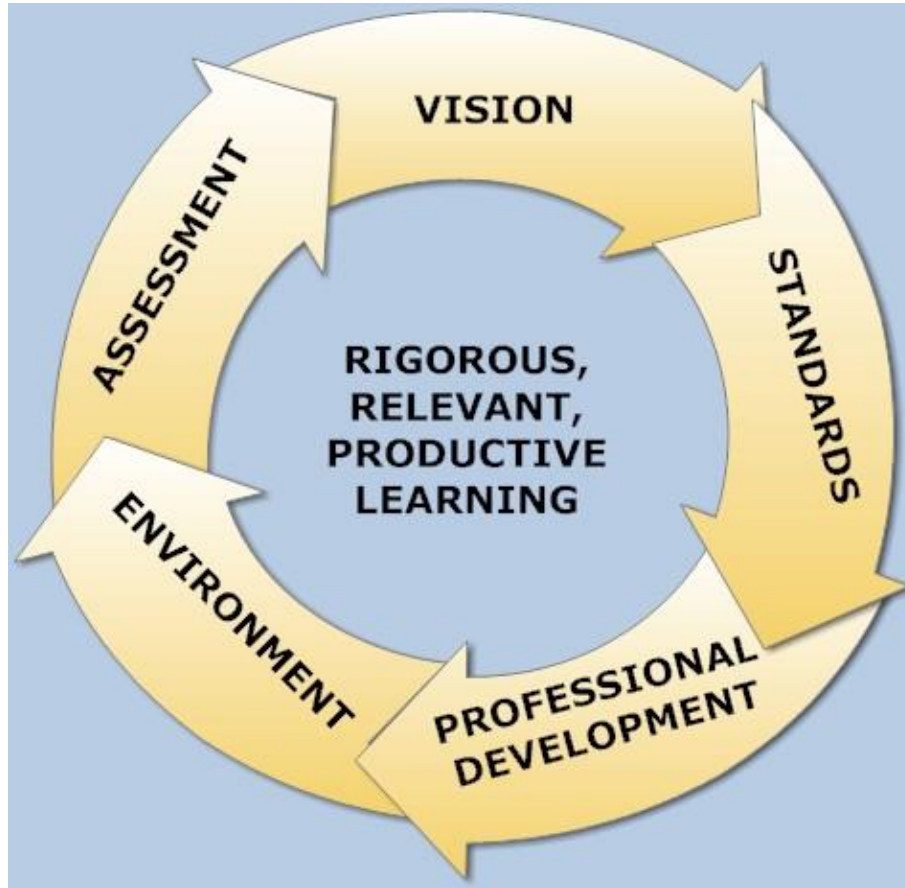
Elizabeth Oyer, PhD

EvalSolutions Inc.

Foundation of the Portal system

Fitting the Pieces Together

Usefulness for Program Evaluation

Triangulation through:

- Data sources for multiple stakeholders

- Multiple data sources for individual stakeholders

- Reporting functionality differentiated for different purposes

Triangulation – Multiple Stakeholders

Students

Teachers

Administrators

Community

⭐ Data Collection Quick Reference Guide

⭐ Step by Step Student Product Data Upload

⭐ Step-by-Step Administering Student Surveys

⭐ Step-By-Step Administering Teacher Surveys

Student Tools

Student Technology Attitudes and Technology Uses Survey
Student Personal Technology Skills Survey
Student Frequency of Learning Activities Survey
Student School Characteristics Survey
Algebra Middle School Test
Algebra High School Test
K-3 Technology Attitudes, Skills, and Uses Survey
Student Survey for Student Performance Product

Teacher Tools

IMSP Teacher Participant Survey
Teacher Demographics and Access Survey
Teacher Technology Professional Development Survey
Teacher Needs Assessment Survey
Teacher Professional Practice Survey
Teacher School and District Characteristics Survey
Student Performance Product Rating
Unit Profile for Student Performance Product Rating

Triangulation – Multiple data sources

Student Tools

Student Technology Attitudes and Technology Uses Survey
Student Personal Technology Skills Survey
Student Frequency of Learning Activities Survey
Student School Characteristics Survey
Algebra Middle School Test
Algebra High School Test
K-3 Technology Attitudes, Skills, and Uses Survey
Student Survey for Student Performance Product

Surveys

Content Tests

Observation

Peer Observation

Performance Assessments

Triangulation – Differentiating Reporting

Illinois Data Driven Instruction Portal

Home | Downloads | Passwords | Data Collection

Reports

Report types

Select the type of report you want to generate.

Custom Reports
Improvement Plan Reports
Raw Data Files

Report Types

APR Reports
Custom Descriptive Reports
Raw Data

For participants & non-participants

Supporting Data Collection:
Peer Observation Example
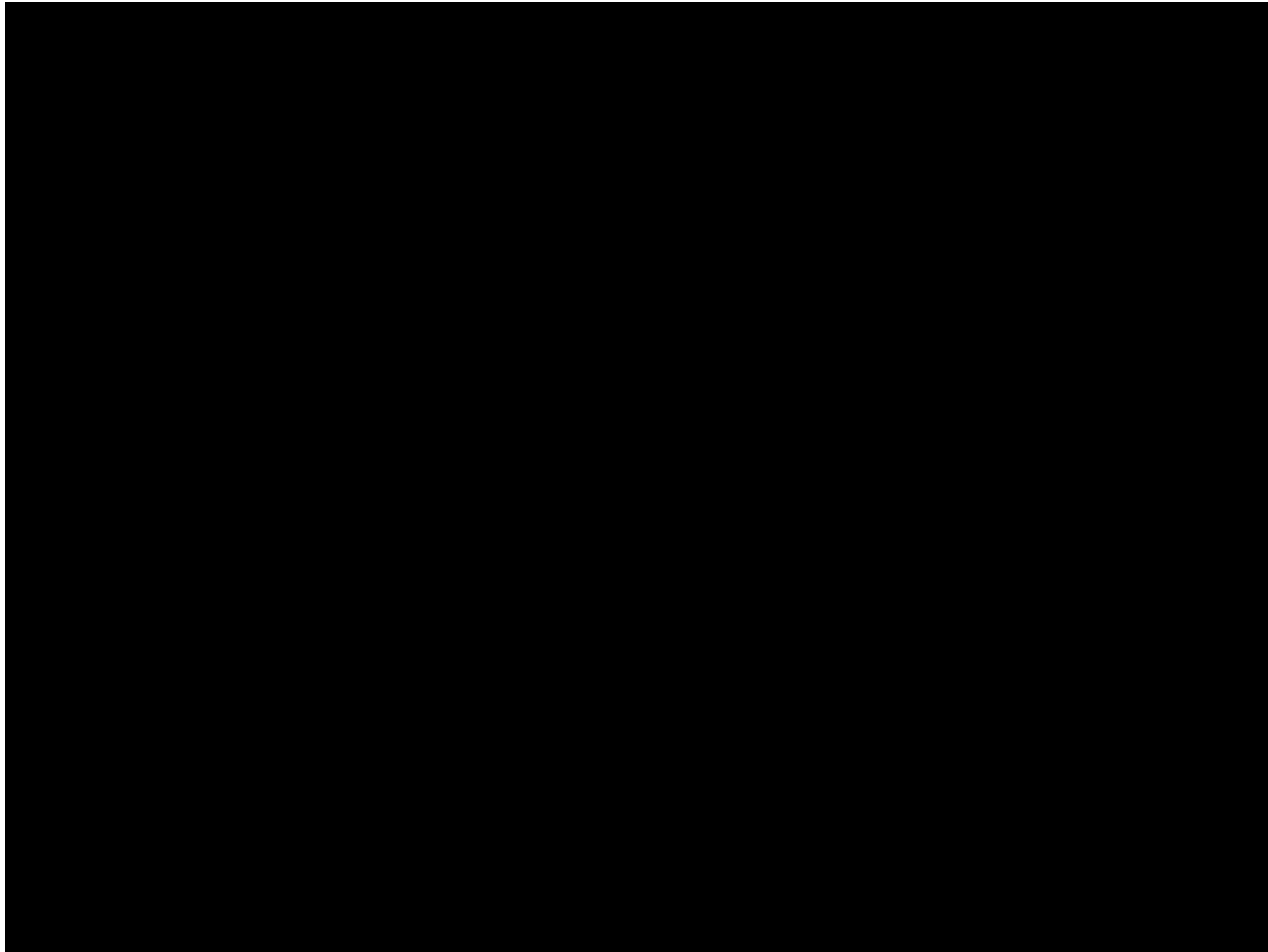
Using Results – Two Purposes

- Results from the Portal are useful locally and at the state level.

- Individual teacher teams can use the peer observation results

- The state evaluation can see trends across grant projects to identify themes in strengths or areas noted for improvement.

File　Home　Insert　Page Layout　Formulas　Data　Review　View　Team

Paste | Calibri ▾ 11 ▾ A⁺ A˅ | ≡ ≡ ≡ ≫▾ | General ▾ | Conditional Formatting ▾　Format as Table ▾　Cell Styles ▾ | Insert ▾　Delete ▾　Format ▾ | Sort & Filter ▾　Find & Select ▾

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C5 | fx | 2013

|	A	B	C	D	E
1	Meru Lehheb - 1/18/2012 10:36 AM - PHYSICS IN ART	Meru Leywarabs	Meru Lehheb		
2	SchoolName	Demo High School	School E1		
3	DistrictName	Demo District	District E		
4	SubmissionDate	Jan 20 2013 8:41 AM	Jan 21 2013 8:34 AM		
5	SchoolYear	2013	2013		
6	Semester	2	2		
7	Trimester	2	2		
8	Quarter	3	3		
9	Teacher interaction with students	Area for discussion or revision	Clear Strength of the lesson		
10	Comments about teacher interaction with students	Comments from observation notes.	Observed teachers comments.		
11	Student interactions with other students	Area for discussion or revision	Clear Strength of the lesson		
12	Comments about student interactions with other students	Comments from observation notes.	Observed teachers comments.		
13	Management of instructional groups	Clear Strength of the lesson	Clear Strength of the lesson		
14	Comments about management of instructional groups	Comments from observation notes.	Observed teachers comments.		
15	Management of transitions	Clear Strength of the lesson	Clear Strength of the lesson		
16	Comments about management of transitions	Comments from observation notes.	Observed teachers comments.		
17	Management of materials and supplies	Clear Strength of the lesson	Clear Strength of the lesson		
18	Comments about management of materials and supplies	Comments from observation notes.	Observed teachers comments.		
19	Management of student behavior	Area for discussion or revision	Area for discussion or revision		
20	Comments about management of student behavior	Comments from observation notes.	Observed teachers comments.		
21	Physical space (e.g,. arrangement of furniture & use of physical resources)Â	Clear Strength of the lesson	Area for discussion or revision		
22	Comments about physical space	Comments from observation notes.	Observed teachers comments.		
23	Communicating expectations for learning	Clear Strength of the lesson	Clear Strength of the lesson		
24	Comments about communicating expectations for learning	Comments from observation notes.	Observed teachers comments.		
25	Communicating directions and procedures	Clear Strength of the lesson	Clear Strength of the lesson		

Use the download of all of the observations to guide your conversation about the lesson.
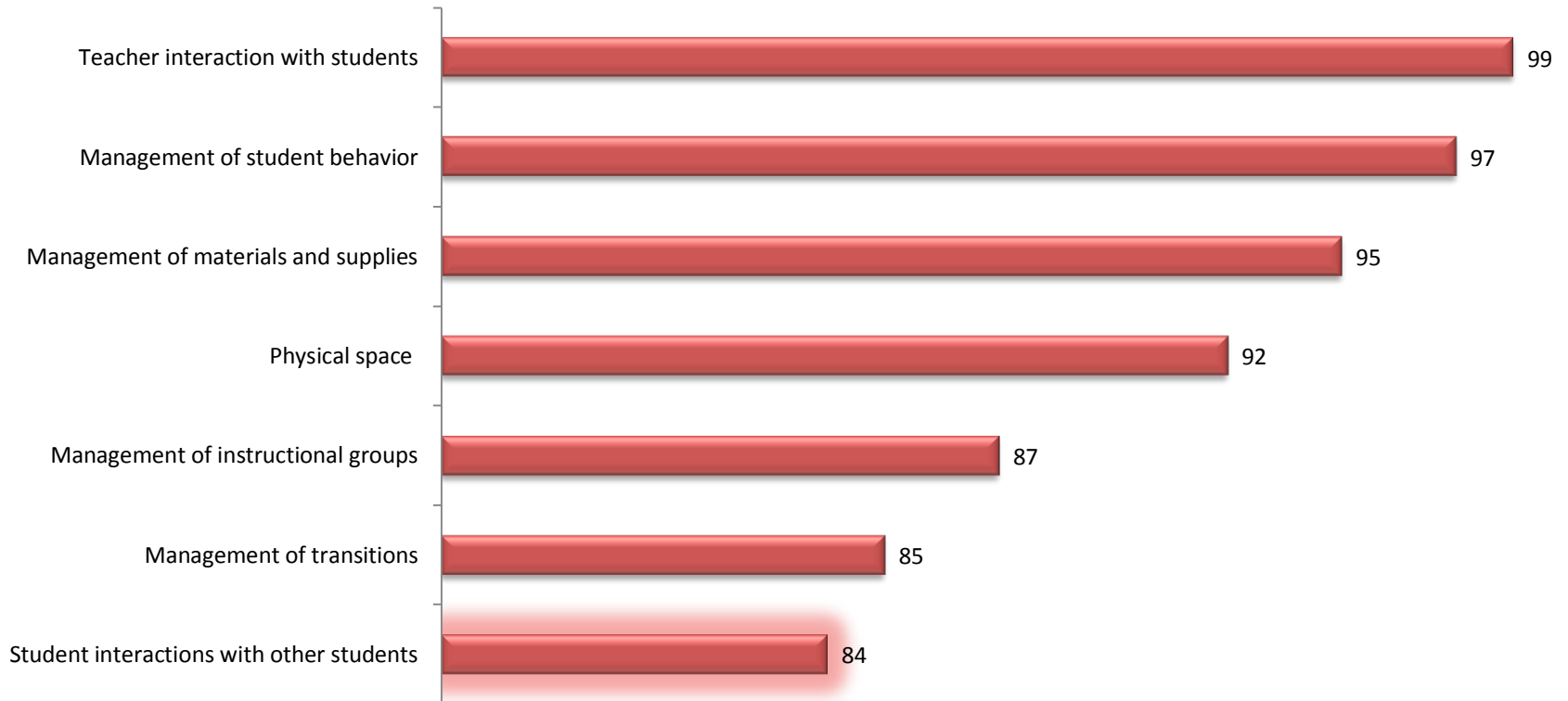
PeerObservationTool

Ready | 100%

State Level

Percent of Indicators Identified as Strengths by Category
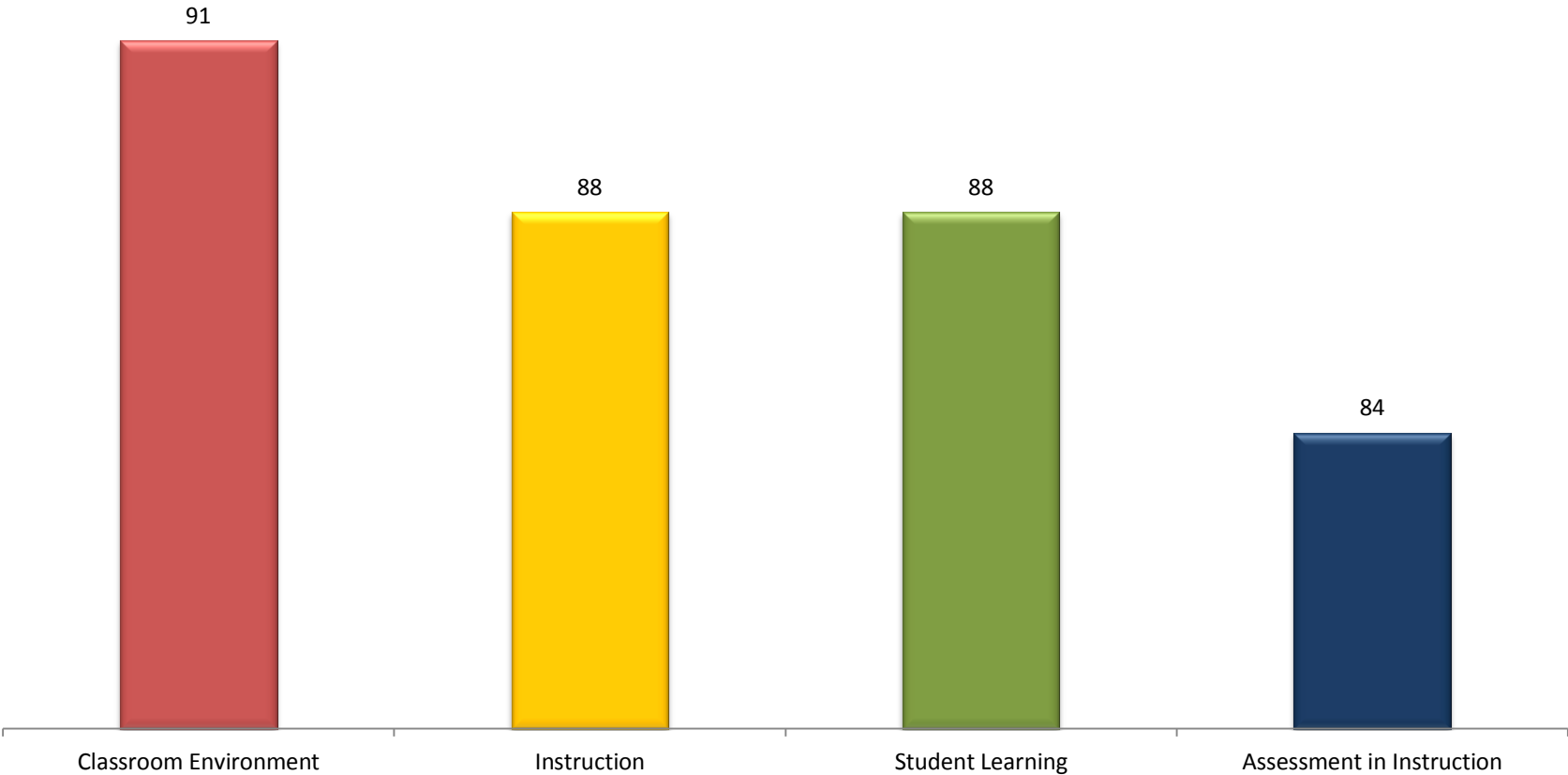
Classroom Environment

Percent of Peers Identifying Classroom Environment Indicators as a Clear Strength

Indicator	Percent
Teacher interaction with students	99
Management of student behavior	97
Management of materials and supplies	95
Physical space	92
Management of instructional groups	87
Management of transitions	85
Student interactions with other students	84

Instruction

Percent of Peers Identifying Instruction Indicators as a Clear Strength

Indicator	Value
Use of instructional materials and resources	95
Communicating expectations for learning	94
Communicating directions and procedures	90
Use of questioning	89
Use of discussion techniques	87
Supporting student collaboration in small groups	81
Structure and pacing	78
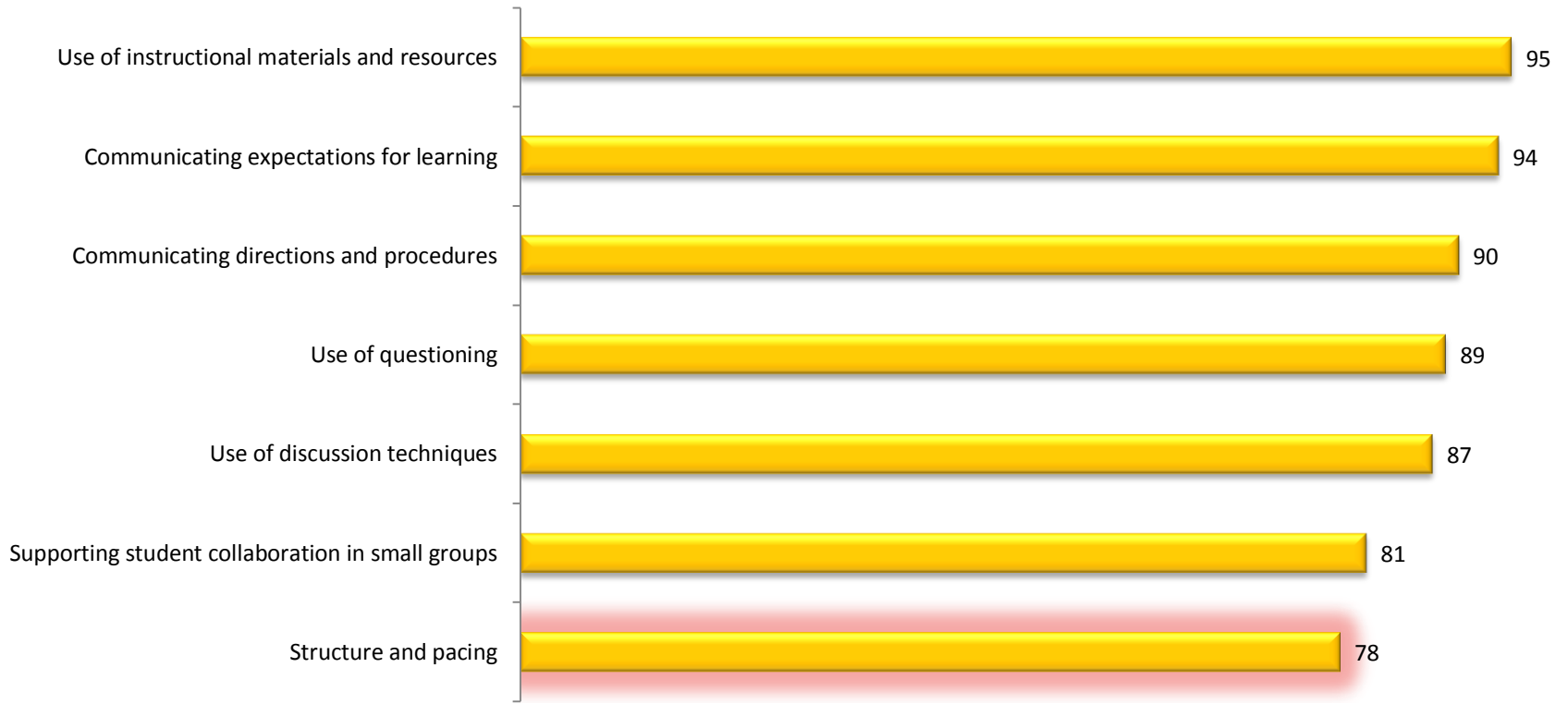
Student Learning

Percent of Peers Identifying Student Learning Indicators as a Clear Strength

Indicator	Value
Activities designed for students to record and represent their knowledge	95
Activities to identify critical information for learning	92
Activities to help students effectively interact with new knowledge	91
Student engagement with activities and assignments	90
Activities to help students generate and test hypotheses about new knowledge	89
Activities to help students practice and deepen their understanding of new knowledge	89
Activities to preview new content	85
Group processing of new information	82
Activities designed for students to elaborate on new information or defend inferences.	81

Assessment in Instruction

Percent of Peers Identifying Assessment Indicators as a Clear Strength
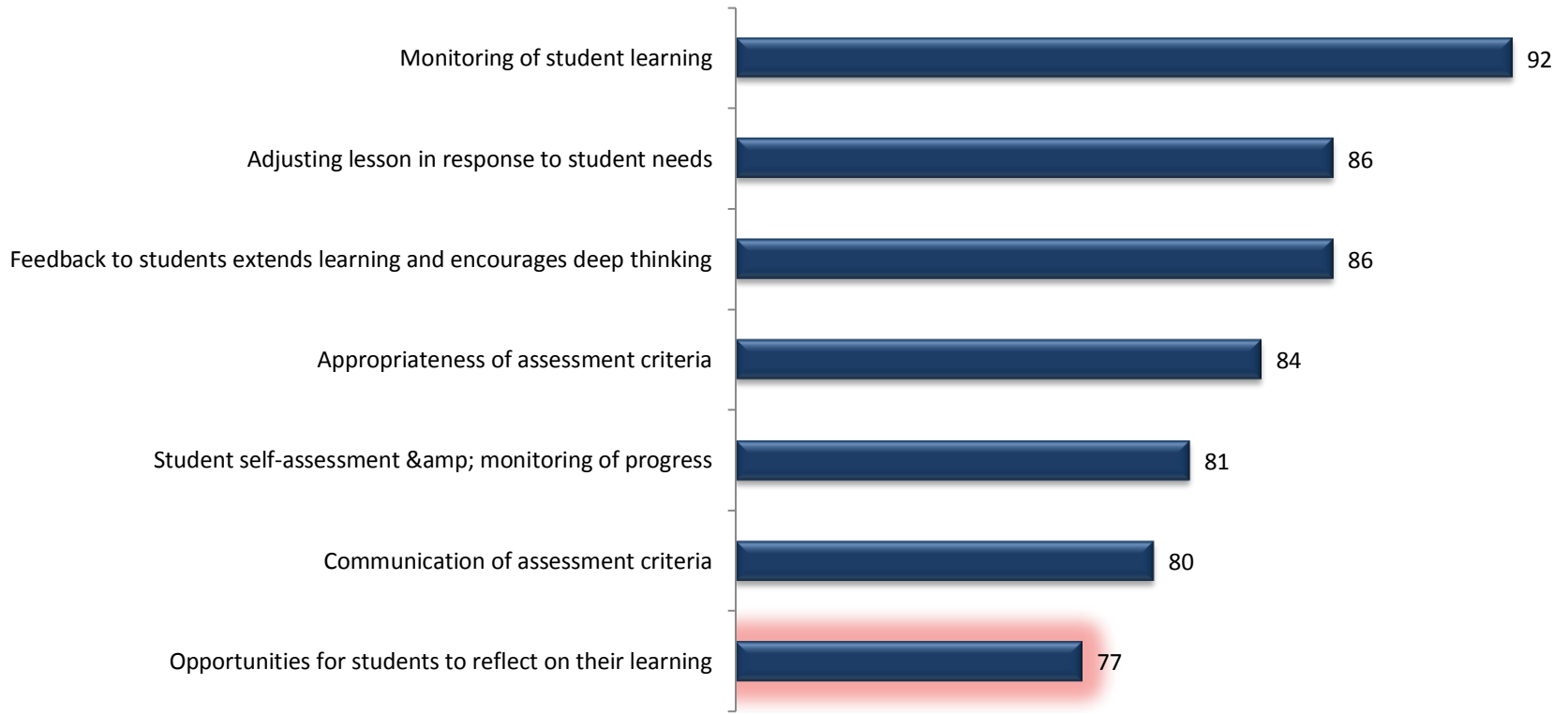
Lessons Learned

- Cost for entry to data collection system
- Online environment is a curse and blessing
- Monitoring data collection is root to quality of results
- Centralized data sources provide less opportunity to learn unexpected outcomes

Contact Information

Elizabeth Oyer

eoyer@evalsolutions.com

317-582-1925