Improving the Selection, Use and Evaluation of Interim Assessments

National Center for the Improvement of Educational Assessment

Reidy Interactive Lecture Series (Introduction)

Portsmouth, NH

September 26-27, 2019
The Reidy Interactive Lecture Series

Named for a famous Kentucky educational leader, Ed Reidy, RILS brings together participants with a range of expertise to wrestle with difficult challenges in search of practical solutions or promising approaches. Participants are encouraged to participate!
Overview

• Quick intro to the Reidy Interactive Lecture Series
• Why Interim Assessments?
• Flyover of the Conference
Agenda, Papers, and Presentations


• Or just go to: [www.nciea.org](http://www.nciea.org)
Who’s Here?

- States leaders and assessment/accountability personnel
- Districts leaders and assessment/accountability personnel
- Assessment Companies
- Teachers and Principal
- Consulting Firms/TA Providers/Advocates
- Universities/Research Institutions
- Center for Assessment Board of Directors
The Center’s Long History With Interim Assessments
Our Board’s Long History As Well
Why Interim Assessments for RILS?

• We’ve seen a massive increase of interim assessments in the past 20 years.
• We and others have raised questions about many aspects of interim assessment technical quality, use and utility.
• Are all these district and school leaders wrong?
• Clearly not, but even our colleagues in the interim assessment business would acknowledge the considerable range in implementation quality and use.
What’s Coming?

• This is truly a hands-on and minds-on conference
• State and district case studies to help ground us in reality
• Deep examination and experience with a set of tools designed to help district/school leaders improve the selection, interpretation, and use of interim assessments
• Collegial and challenging conversations among participants and audience members (this is an interactive conference!)
## What’s Coming: Day 1 Agenda

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:45</td>
<td>Balanced Assessments Systems, Interim Scan, and Goals for RILS</td>
</tr>
<tr>
<td>9:45</td>
<td>Table Discussion – Purpose and Uses of Interim Assessments</td>
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<tr>
<td>10:45</td>
<td>Break</td>
</tr>
<tr>
<td>11:00</td>
<td>Case Study: Wyoming</td>
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<tr>
<td>12:00</td>
<td>Lunch</td>
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<tr>
<td>1:00</td>
<td>Introduction to the Toolkit</td>
</tr>
<tr>
<td>1:15</td>
<td>Case Study: School Administrative Unit #9, New Hampshire</td>
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<tr>
<td>1:45</td>
<td>Phase I of the Toolkit: Identifying Gaps and Needs</td>
</tr>
<tr>
<td>3:00</td>
<td>Break</td>
</tr>
<tr>
<td>3:15</td>
<td>Phase II of the Toolkit: Determining Assessment Features and Characteristics</td>
</tr>
<tr>
<td>4:45</td>
<td>Adjourn</td>
</tr>
</tbody>
</table>
Thanks!

• To all of you for joining us!
• To Juan and Erika for dedicated leadership and endless planning
• To LauraLee, Erin, and Sandi for being organizational ninjas
• To our Board of Trustees for support and wisdom
• To my amazingly brilliant colleagues for being the “Center”
Tonight

• Please join us this evening for cocktails and hors d'oeuvres at 5:15 right in this room
The Role (?) of Interim Assessments in Balanced Systems of Assessment

Scott Marion
National Center for the Improvement of Educational Assessment

Reidy Interactive Lecture Series (Session #1)
Portsmouth, NH

September 26, 2019
Overview

• Introduction to balanced assessment systems
• Components and levels of balanced assessments systems
• The role of interim assessment
A Tricky Balance

• We’ve been thinking and writing about balanced assessment systems for many years
• We’ve partnered with several states and districts to try to improve the balance of their systems
• Some have claimed we might be tilting at windmills
Overview of Balanced Assessment Systems
A Call for Balanced Assessment Systems

Assessments at all levels—from classroom to state—will work together in a system that is comprehensive, coherent, and continuous. In such a system, assessments would provide a variety of evidence to support educational decision making. Assessment at all levels would be linked back to the same underlying model of student learning and would provide indications of student growth over time (NRC, 2001, p. 9).
Balanced Assessment Systems to Serve Multiple Purposes

Assessment systems designed to serve multiple purposes require thoughtful planning about which data will be privileged at each level (Chattergoon & Marion, 2016). For example:

- standardized vs. dynamic/flexible
- uniform vs. variable dates
- independent vs. scaffolded performance
- delayed vs. immediate feedback
- stringent vs. less stringent technical requirements
Properties of Balanced Assessment Systems  (NRC, 2001)

1. Comprehensiveness – “a range of measurement approaches should be used to provide a variety of evidence to support educational decision-making”

2. Coherence – “the conceptual base or models of student learning underlying the various external classroom assessments within a system should be compatible”

3. Continuity – “assessments should measure student progress over time”
Two additional criteria (Chattergoon & Marion, 2016)

4. **Efficiency** means getting the most out of assessment resources and eliminating redundant, unused, and untimely assessments.

5. **Utility** is a key criterion for assessment system quality should be the degree to which the system provides the information necessary to support the intended aims
   - Follows from a well-articulated theory of action that specifies the various intended outcomes for the system and the processes and mechanisms by which these outcomes will be realized.
Coherence

• Vertical **Coherence** – conceptual base or models of student learning underlying the various **external** and **classroom** assessments within a system should be compatible

• Horizontal **Coherence** – alignment among curriculum, instruction, and assessment along a common set of learning goals
Vertical Coherence - Not Just Any Model of Learning

Assessments and assessment systems must be based on research-based models of learning.

Adherence to outdated, naïve, and/or implicit notions of learning are an impediment to assessment literacy and assessment reform.
Horizontal Coherence

• Vertical Coherence – conceptual base or models of student learning underlying the various external and classroom assessments within a system should be compatible.

• Horizontal Coherence – alignment among curriculum, instruction, and assessment along a common set of learning goals.

• When this is done well, it is a considerable benefit to low-performing schools.
A “Simple” Model for a Coherent and Coordinated System of Curriculum, Instruction & Literacy Assessments

From Jim Pellegrino, NCME 2019
Layers and Components of Balanced Assessment Systems
Multiple Layers of Assessment Systems

“Minicosm”: District-Level Assessments

Microcosm: Classroom-Level Assessments

A key locus of control

Macrocosm: State System of Assessments

See: Chattergoon, 2016; Marion, 2018; Shepard, et al., 2018
Components of Balanced Assessment Systems

• Quick small group activity at your table (5 minutes total)

• Very quickly choose to focus on either a state, district, or classroom assessment system (1 minute)

• See if you can come to agreement at your table regarding the critical components of your assessment system, such as:
  
  - State summative
  - State interim
  - Unit-based assessments
  - Weekly quizzes
  - Classroom summative (e.g., grades)
  - District interim
  - Formative assessment (instruction)
  - Projects/exhibitions

• Note: these are only a few possible components
Here’s Lorrie Shepard’s (2019) answer for classrooms...

Classroom Learning Culture

Ambitious Teaching Practices
- Shared understanding of learning goals
- Eliciting student thinking
- Disciplinary discourse practices

Summative Assessments and Grading

Formative Assessment Practices
- Funds of knowledge
- Improvement-focused feedback
- Self & peer assessment

Collaborative Learning, Classroom Discourse

Students’ Prior Experience from Home, Community, School

Learning Progression

Learning Goals for Knowing & Becoming
This well-publicized figure might have led many to believe balanced assessment system designers needed to pick assessments from each of these three levels...That’s not what we meant!
The Role of Interim Assessments?

- We’ve seen a massive proliferation of interim assessments in the past 20 years
- What role, if any, should commercial interim assessments play in balanced assessment systems?
- Can they enhance the quality and balance of assessment systems? How?
- Can they threaten the balance and utility of such systems? How?
Purposes and Uses

• In 2009, we outlined three broad categories of uses for interim assessments:
  • Instructional
  • Evaluative
  • Predictive

• We learned early on these categories were too broad to guide use whether as part of an assessment system or not
  • Brian’s terrific paper for this conference illustrates the importance of specifying what we mean by “instructional”

• The rest of the presentations this morning will dig into this need for specificity to help frame selection, evaluation and use
One Lay of the Land: Preliminary Findings from Two High Level Scans

Nathan Dadey & Calvary Diggs
The National Center for the Improvement of Educational Assessment

September 26th, 2019
Reidy Interactive Lecture Series
Portsmouth, NH
The landscape of interim assessments has changed substantially over the last 20 years due, in part to,

► Policy  ► Technology  ► Scale
The goal of this work is to share **two high level scans** that hopefully help us get a better understand that landscape.
1 State Supported Interim Assessment Options
Summary of interim assessments supported by state department of educations, as reported on department websites.

2 Review of Available Literature on Interim Assessments
A review of published literature dealing with the use of interim assessments.
Summary of State Supported Interims
State Supported Interim Assessments

• Increasingly, states are supporting schools and districts by providing access to or guidance on interim assessments.
  • We think this is reflective of a shift towards systems of assessments. That is, many states are now considering how assessments they can influence can work together.

• Given this, goal of this work is to understand what types of assessments are being supported by examining all 50 state department of education websites.

Note: a previous version of this work was shared at the 2018 NCME Classroom Assessment Conference and the 2018 Reidy Interactive Lecture Series.
25 state websites had information on 34 unique interim assessments.

Notes: The definition of interim is used quite broadly here (e.g., included early literacy screeners). Each lists of approved assessments are counted as a single assessment in the above counts. At least five states had materials that addressed the idea of systems of assessments: LA, MI, RI, VT and WY.
The number of assessments per state ranged from 1 to 4, with a median of 2.
Most states (22) provided assessments directly to districts, often through online platforms.

The remaining 3 states provided lists of approved assessments:

- Early Literacy: CO, MI & SC
- K-12 Math & ELA: SC
Distinguishing further among the assessments involves considering the interaction of **content** and **time**.

I.e., How, if at all, is the content domain divided up and assessed over time?

Note: the paper *Matching Instructional Uses with Interim Assessment Designs* (Gong, 2019) dives deeply into this issue and focuses on the claims. Gong (2010) also explores this issue, as does Dadey & Gong (2017).
Multiple terms are floating around in the literature to address these types of design choices.

- Mini-Interim
- Modular
- Mini-Summative
- Micro-Modular
- Different Blueprint
- Same Blueprint
**Fixed Designs**
A single assessment that measures the entire domain

**Block Designs**
Multiple assessments, each measuring a **chunk** of the domain

**Modular Designs**
Multiple assessments, each measuring a **very small chunk** of the domain
<table>
<thead>
<tr>
<th>Design</th>
<th>States</th>
<th>Assessments</th>
<th>Unique Assessments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixed</td>
<td>19</td>
<td>23</td>
<td>14</td>
</tr>
<tr>
<td>Block</td>
<td>13</td>
<td>15</td>
<td>6</td>
</tr>
<tr>
<td>Modular</td>
<td>8</td>
<td>11</td>
<td>11</td>
</tr>
</tbody>
</table>

Notes: List of approved assessments are excluded in the above counts.
Literature Review of Interim Assessment Use
“School districts across the country have [rapidly] adopted interim and benchmark assessments... Thus, it is especially important that well-conceived, empirical studies of the effects of such programs be carried out.”

(Shepard, 2010)
Our suspicion is that research on the uses of interim assessments has been emerging.

The goal of this project is to provide a review of this body of literature, with an emphasis on how the assessments are used.
Literature Review

4,000 articles eligible for inclusion after cleaning, based on searches of key terms & assessment names within ASP and ERIC (which limits the review).

141 articles eligible for coding, after applying inclusion/exclusion rules, within additional articles included with certainty.

20 articles coded thus far.
Focusing on Use for the Coded Studies

We coded each discrete use within each of the 20 studies as:

1. **Instructional, Evaluative or Predictive**\(^1\) following Perie, Marion, & Gong (2009), and then

2. Created **additional codes with each category**, to better describe the specific ways in which the assessments are use following a grounded approach (following Hook, 2015).

\(^1\)Notes: In cases where predictions are used in a clearly instructional or evaluate manner, we have retained them within the predictive category.
Uses by Study (n=20)

20 Studies contained at least one **instructional** use.

16 Studies contained at least one **evaluative** use.

10 Studies contained at least one **predictive** use.
Number of Coded Discrete Uses by Study

Average Number of discrete uses within study

- Instructional: 8.6
- Evaluative: 4
- Predictive: 1
# Top Five Discrete Instructional Uses

**Five Most Frequent Instructional Uses Evident in the Research on Interim Assessments**

<table>
<thead>
<tr>
<th>Use Description</th>
<th>$k$</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Broad claim to modify or improve instruction</td>
<td>14</td>
<td>A total of 86% of teacher reported modifying instruction based on interim assessment results (Clune &amp; White, 2008).</td>
</tr>
<tr>
<td>2. Identify students to provide additional support</td>
<td>13</td>
<td>Results were used to identify students for supplemental instruction (e.g., software, working with volunteers, afterschool tutoring; Shepard et al [2011]).</td>
</tr>
<tr>
<td>3. Identify what content to reteach</td>
<td>10</td>
<td>The administration hoped teachers would reteach with new strategies (Bulkley et al., 2010).</td>
</tr>
<tr>
<td>4. Improve score on the summative assessment</td>
<td>10</td>
<td>Guide schoolwide improvement efforts to meet AYP (especially in low-performing schools; Bulkley et al., 2010).</td>
</tr>
<tr>
<td>5. Differentiate instruction</td>
<td>9</td>
<td>Identifying students with similar patterns of performance on the assessment and using that to constructs groups to differentiate instruction (Blanc et al., 2010)</td>
</tr>
</tbody>
</table>

*Note.* Table created based on coding a total of 20 studies featuring interim assessments.
Preliminary Conclusions

• Interim assessments are used in a multitude of ways.
• Description of assessment use is widespread, examination of efficacy is not.
• Much of the way in which use is describe is unspecific, meaning evaluation is difficult even when it is conducted as we have little idea about how the interim assessments are used.
Setting the Stage

Erika Landl & Juan D’Brot

The National Center for the Improvement of Educational Assessment

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Goal of RILS

• The purpose of RILS is to engage in discussions around a problem of practice

• Goal of RILS 2019: Leverage the experience of experts and practitioners to address the selection, use and evaluation of interim assessments within the context of a balanced assessment system
  • Engage in activities that revolve around a set of tools to help district leaders engage in a thoughtful process focused on identifying and prioritizing assessment needs and defining the types of assessment necessary to support those needs
Interim Assessments: The Challenge

• Many barriers that impede the appropriate selection and use of interim assessments (Martineau, 2018)
  • Influence of politics, policy and political boundaries (hierarchy) on decisions
  • Influence of commercialization and proliferation of assessments
  • Lack of attention to curriculum and learning in the design of systems
  • Lack of assessment literacy at multiple levels of the system

• This is not unique to interim assessments
A common problem at state and/or district levels is that assessment components are not conceptually coherent.

They often conflict and as a consequence their use doesn’t lead to the desired outcomes of educational improvement.

It is essential to make **EXPLICIT** one’s assumptions and “theory of action” for the system of assessments.

“I think you should be more explicit here in Step Two.”
Interim Assessments: Mitigating Barriers

• Mitigate barriers by having a strong theory of action
• Theory of action must be in part based on how assessment information can support a vision of teaching and learning
• Consider what is needed and how it will provide for the outcomes desired
• Again, this is not unique to interim assessments but there are few requirements or guidelines that drive interim use
Goals of the Toolkit

• To support a thoughtful and systematic approach to the selection and evaluation of an assessment aligned to a clear theory of action
• Promote collaboration among educators and leaders who select and implement interim assessments
• Articulate the factors that influence assessment characteristics and features
• Not to advocate for or condemn any specific type of assessment product or tool
What does it do? Summary of the Toolkit

- **Identifying Gaps and Needs**
  - Articulating an Assessment Vision
  - Identifying Existing Assessments
  - Determining High Priority Needs

- **Evaluating Impact and Utility**
  - Implementation Characteristics
  - Alignment to Intended Use
  - Evidence of Change in Practice

- **Assessment Characteristics**
  - Clarifying Assessment Use
  - Defining Assessment Characteristics
  - Evidence of Technical Quality
Ok...So What are We Trying to Accomplish?

• Desired end product is a multilevel system of assessments
  • Assessment tools are designed to serve an intended purpose, use and user

• The levels are articulated and conceptually coherent
  • They share the same underlying concept of what the targets of learning are at a given grade level and what the evidence of attainment should be.
  • They provide information at a “grain size” and on the “time scale” appropriate for translation into action.
# Defining Interim

<table>
<thead>
<tr>
<th>Purpose/Use</th>
<th>Summative</th>
<th>Interim</th>
<th>Formative</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accountability, Program Evaluation, Promotion/Retention; Grading</td>
<td></td>
<td></td>
<td>Elicit and use evidence of student learning to improve instruction.</td>
</tr>
</tbody>
</table>

## Tier/Type of Assessment

<table>
<thead>
<tr>
<th>Tier/Type of Assessment</th>
<th>Summative</th>
<th>Interim</th>
<th>Formative</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Teacher</strong></td>
<td>• Final exams, projects, and papers</td>
<td>• Graded quizzes and homework</td>
<td>• Strategically planned check-ins</td>
</tr>
<tr>
<td><strong>District</strong></td>
<td>• Common final exams, projects, and papers</td>
<td>• Unit projects, papers, and exams</td>
<td>• Homework used to provide feedback and revision before grading</td>
</tr>
<tr>
<td></td>
<td>• Common assessments for testing out of a course/credit</td>
<td>• Mid-term exams</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Common graduation assessments</td>
<td>• Marking period exams</td>
<td></td>
</tr>
<tr>
<td><strong>State</strong></td>
<td>• Annual state tests</td>
<td>• Common unit exams, mid-terms, and marking period exams</td>
<td>• Not applicable</td>
</tr>
<tr>
<td></td>
<td>• End of course state tests</td>
<td>• Common quarterly assessments</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Not applicable</td>
</tr>
</tbody>
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Recall: Summary of the Toolkit

- **Identifying Gaps and Needs**
  - Articulating an Assessment Vision
  - Identifying Existing Assessments
  - Determining High Priority Needs

- **Evaluating Impact and Utility**
  - Implementation Characteristics
  - Alignment to Intended Use
  - Evidence of Change in Practice

- **Assessment Characteristics**
  - Clarifying Assessment Use
  - Defining Assessment Characteristics
  - Evidence of Technical Quality
Steps to Support Identify, Implement, and Evaluate

1. Specify a vision of teaching and learning, including valuable student knowledge, skills, and dispositions;

2. Articulate how assessment information that can support this vision should be used;

3. Determine how existing assessment information is being used;

4. Identify the gap between use and high priority assessment information needs;

5. Determine key assessment design, administration, and reporting characteristics that align to intended uses; and

6. Engage in an evaluation of the impact and utility of these assessments.
Phase 1: Identifying Gaps and Needs

Phase 1 of the Toolkit Includes 4 Sections

1. Establishing or overall vision for teaching and learning
2. Articulating your vision for assessments
3. Understanding the assessment lay of the land
4. Identifying your highest priority needs based on how assessments are used and how they should be used
Phase 2: Assessment Characteristics and Quality

Phase 2 of the Toolkit Includes 3 Sections

1. Clarifying how you intend to use interim assessments
2. Defining the assessment characteristics that align to intended use
3. Identifying and evaluating evidence of technical quality
Phase 3: Evaluating Impact and Utility

Phase 3 of the Toolkit is not yet Developed, but it should Evaluate whether Assessments

1. Are aligned to your theory of action
2. Are used as intended
3. Lead to changes in behavior as expected
## Applicability: Evaluating Interim Assessments

<table>
<thead>
<tr>
<th>Scenario</th>
<th>State Responsibility</th>
<th>District Role</th>
</tr>
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<tbody>
<tr>
<td>State provides common, voluntary interim with specified windows</td>
<td>Intended purpose and use of interim assessment results; administrative requirements to support intended use at the state level; limitations of information, etc.</td>
<td>Evaluate how interim assessment results supports district goals/vision so information can be used appropriately. Determine need for additional assessments based on perceived gaps.</td>
</tr>
<tr>
<td>State provides modular interim assessments with on-demand administration</td>
<td>Intended purpose and use of interim assessment results. Why the assessment was selected and how it meets state goals, etc. Factors to consider when evaluating when to administer the assessment, and how to use/interpret results.</td>
<td>Evaluate whether/how the interim assessment aligns with the district’s goals/vision. Determine whether the assessment will add value given the district’s data needs or whether a different assessment should be considered (in lieu of or in conjunction with the state test).</td>
</tr>
<tr>
<td>District has been using an interim assessment</td>
<td>Broad characteristic and features that should be considered/prioritized as part of selection process to support coherence with state assessment and vision (e.g., alignment to content standards, etc.).</td>
<td>Evaluate whether the current interim assessment supports district goals/vision, can be used as needed, and is having the intended impact.</td>
</tr>
<tr>
<td>District looking to select an interim assessment</td>
<td></td>
<td>Evaluate the type of interim needed (formal/non-formal); Identify an interim assessment that aligns with the district’s goals/vision and meets its data needs.</td>
</tr>
</tbody>
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Current Constraints

1. Length

2. Complexity of Concepts
   a) Although developed to be user friendly, there are still concerns that many of the concepts are not things that district leaders could address without the support of an assessment expert.

3. Guidance Around the Need for/Appropriateness of Formal Tool
   a) The tool is really focused more on helping districts think about and prepare for the evaluation/selection/development of a formal instrument.
   b) It may be the case that the high priority needs/uses defined at the end of Phase 1 are better served by an informal tool. Currently there is nothing in place to help them independently make that distinction.

4. Guidelines for Evaluating Different Options
   a) This helps identify desired assessment characteristics and highlight high priority evidence in light of a high priority need/use(s), but does not provide guidance for selecting among different options. There is not a scoring sheet that helps districts make a final decision.
   b) It is presumptive for us to think that we could divine all possible contexts for “their best assessment.”
Structure of the Meeting

• We will be hosting discussions that highlight issues to consider when developing or selecting assessment tools

• Panels will provide contextually-based perspectives and how they’ve addressed this problem of practice

• We will be sequentially thinking about
  • Vision and Theory of Action
  • Assessment Characteristics aligned to a Theory of Action
  • Evaluating Impact and Utility
Small Group Discussions
Small Group Discussion

• We will be asking you to engage in small group discussions around three questions focused on
  • Information needs
  • Assessment characteristics
  • Evaluation of impact and utility

• Activity:
  • Please identify a note taker for your table
  • Individually, jot down responses to the questions on the next slide
  • As a group, share your thoughts and identify differences and similarities
  • See if you can come up with any agreed upon recommended practices
  • Be prepared to share (briefly!) the highlight of your discussion
Small Group Discussion - Key Questions

1. **Evaluation of Information Needs:** What procedures are currently place (or should be in place) at a school or district to identify high priority needs for assessment information?

2. **Specification of Assessment Characteristics:** What procedures do you use (or should you use) to identify and select assessments that will meet your needs? How do you evaluate the fidelity and appropriateness of particular assessment design?

3. **Evaluation of Impact and Utility:** What practices do you have (or should you have) in place to evaluate whether current interim assessments are having the impact intended?
Supplemental Slides
Inclusion Criteria

1. English language, conducted in the US, published since 2000
2. Conducted with a population from K-12 settings
3. An assessment was a key component of the study and functioned as an IV
4. The assessment was academic in nature
5. The assessment was administered by school or affiliated staff for school use (i.e., not administered by parents, clinics, outside consultants)
6. The assessment can be described as an “interim assessment”
   i. multiple measurements points or used mid-way through the term
   ii. assessment data were used for a purpose that may be broadly described as evaluative, instructional, or predictive
   iii. assessment data can be (or were) aggregated to represent the entire grade, school, district, or state
   iv. if not aggregated, data would still be relevant to a purpose (evaluative, instructional, predictive) at a higher level (e.g., school, district, state)
7. The interim assessment is/was commercially available or was developed by a school or system(s)
8. The study evaluates an interim assessment using a traditional experimental or quasi-experimental design, observational methods, or recollections.

Exclusion (The inclusion criteria were designed to identify studies and assessments that fall under our current typology of an, “interim assessment.” In the current conceptualization, interim is used to denote assessments that are not clearly used for formative or summative purposes. However, there are various ways that each of these concepts could be defined, which, in turn, would provide a different approach to the inclusion and exclusion process. This study aims to provide a wide, scoping search of the literature. Exclusion criteria for both summative and formative assessments were defined as follows,
Focal assessment is clearly used for formative purposes (i.e., teacher administered, informal, conducted frequently, and data can not be aggregated and meaningfully generalized beyond the individual classroom)
Focal assessment is clearly used for summative purposes (i.e., an end of the year state test)
The following criteria were set to allow studies who used interim assessments for traditionally summative or formative purposes, thereby allowing the study to explore the range of their utility for a variety of applications.
Method

• Literature Review
  • Rapid review (Grant et al., 2009)
  • Four means of identification

• Inclusion Criteria
  • “Interim assessment”
  • Additional Gate

• Coding
  • General characteristics
  • Discrete uses